

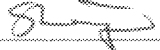

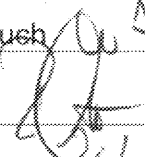
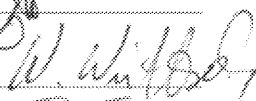
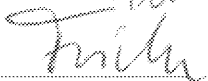
EADS Astrium

EPLM SPIRE SIH EICD PFM

Herschel

Title: **EPLM SPIRE SIH EICD
PFM**

CI-No: 121432

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Issue	Date	Sheet	Description of Change	Release
1.0	04.05.04	All	Release of the document	
1.0 Redlined Version	10.11.04		Redlined Version of issue 1.0 according to SPIRE IIDB issue 3.2	
2.0	11.03.05	All	Update Pin Allocation List SPIRE incl. SVM part Implementation of HP-2-ASED-DC-0017 issue 1.0 HP-2-ASED-DC-0028 issue 1.0	
2.1	03.08.06	All	Implementation of : HP-121432-CASA-NC-0895 - Error in SPIRE CVV Internal Harness definition HP-121432-CASA-NC-0912 - Discrepancy in SPIRE Harness Definition Shielding of GND Wires HP-121432-CASA-NC-0941 - SPIRE SIH Double Pin Allocation Pin 7 Bundle C3 (PFM & EQM) HP-121432-CASA-NC-1146 - Difference between EQM & PFM SVM SPIRE SIH Bundle 11 HP-121432-CASA-NC-2112 - Change Backshell List in SPIRE SVM PFM Harness Update Pin Allocation List according current development status - streamlining and review w.r.t located typos - set NC summary for each connector	

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1 Scope

This Interface Control Document (ICD) describes the electrical interfaces of the HERSCHEL EPLM SPIRE SIH PFM Harness Pin Allocation.

It is also referenced in the overall HERSCHEL EPLM electrical ICD HP-2-ASED-IC-0001 [AD1] as Sub ICD.

Therefore all common information about the used harness and connector types are described in ICD HP-2-ASED-IC-0001 [AD1].

The SPIRE scientific instrument harness (SPIRE-SIH) is designed to interconnect the SPIRE instrument units at the FPU with the SPIRE instrument units at SVM and all other necessary supporting units.

For information management a database (ACCESS based) called CAIE (**C**omputer **A**ided **I**nterface **E**ngineering) will be used. The HEPLM CAIE Data Base contents provides all the necessary information for supporting the automated verification of the electrical interfaces with (IDAS) an **I**ntegrated **D**ata **A**cquisition **S**ystem

This document summarised the Harness Pin Allocation for SPIRE EPLM Scientific Instrument Harness PFM.

2 Documents

2.1 Applicable Documents

- [AD1] Electrical Interface Control Document EPLM PLM,
HP-2-ASED-IC-0001
- [AD2] Herschel/Planck Instrument Interface Document, Part A,
SCI-PT-IIDA-04624
- [AD3] Herschel/Planck Instrument Interface Document, Part B; Instrument "SPIRE",
SCI-PT-IIDB/SPIRE-02124 PART B
- [AD4] Cryo Harness Interconnection diagram - SIH SPIRE,
HP-2-ASED-ID-0091
- [AD5] CRYO-HARNESS BRANCH CHARACTERISTICS,
HP-2-ASED-TN-0085

2.2 Reference Documents

- [RD1] Herschel-Planck EMC Analyses, H-P-1-ASPI-AN-0202
- [RD2] "HERSCHEL PLM Grounding Scheme", HP-2-ASED-DW-0001
- [RD3] Herschel PLM EICD, HP-2-ASPI-ID-062
- [RD4] Cryo Harness Description, HP-2-ASED-TN-0103

3 EPLM SPIRE SIH PFM Pin Allocation List Harness

All changes in pin allocation and the appropriate data are identified in the change log sheet of this document.

The comment column belongs to the source connector shown in the header of the page and respectively the corresponding cable and pin on the left side of the table.

Those comments have to be seen as an additional information source.

The following abbreviations are used in the comment column.

CS-xxxxx Cable Shield (**CS**) for cable xxxxx; where "xxxxx" is normally referenced to the "Ch.ID"

If there is more than one cable per Channel, this reference is especially addressed to the cable code.

All common information about the used harness and connector types are described in ICD HP-2-ASED-IC-0001 [AD1].

The related Data Base is SPIRE_PFM_4_6_20060731_1529.mdb.

Pin Allocation List

(Harness)

Connector: 121220 P009
Item: HSJFS

Function / Bundle: SSW/SLW Bias Prime SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PTC TC Bias A . +ve	S3A.-	-		S009	022BS-38	9				CVVUCR	33	211121 J032	007	1S
020	SPIRE PTC TC Bias A . -ve	S3A.-	-		S009	022BS-38	9				CVVUCR	33	211121 J032	014	
002	SPIRE PTC TC Bias A . SHD09	S3A.-	-		S009	022BS-38	9		CIS-S009		CVVUCR	33	211121 J032	046	1S 1S
CH	SPIRE PTC TC Bias A . COS09	S3A.-	-		S009	022BS-38	9		COS-S009 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
021	SPIRE PTC JFETV Bias A . +ve	S3C.-	-		S010	022BS-38	10				CVVUCR	33	211121 J032	024	1S
003	SPIRE PTC JFETV Bias A . -ve	S3C.-	-		S010	022BS-38	10				CVVUCR	33	211121 J032	035	
002	SPIRE PTC JFETV Bias A . SHD10	S3C.-	-		S010	022BS-38	10		CIS-S010		CVVUCR	33	211121 J032	046	1S 1S
CH	SPIRE PTC JFETV Bias A . COS10	S3C.-	-		S010	022BS-38	10		COS-S010 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
022	SPIRE SLW Bias A1 . +ve	SSD.-	-		S025	022SS-38	25				CVVUCR	33	211121 J032	121	1S 1S
004	SPIRE SLW Bias A1 . -ve	SSD.-	-		S025	022SS-38	25				CVVUCR	33	211121 J032	114	1S
006	SPIRE SLW Bias A1 . SHD25	SSD.-	-		S025	022SS-38	25		CIS-S025		CVVUCR	33	211121 J032	104	1S 1S
CH	SPIRE SLW Bias A1 . COS25	SSD.-	-		S025	022SS-38	25		COS-S025 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
005	SPIRE SLW Bias A2 . +ve	SSD.-	-		S026	022SS-38	26				CVVUCR	33	211121 J032	102	1S 1S
024	SPIRE SLW Bias A2 . -ve	SSD.-	-		S026	022SS-38	26				CVVUCR	33	211121 J032	101	1S
023	SPIRE SLW Bias A2 . SHD26	SSD.-	-		S026	022SS-38	26		CIS-S026		CVVUCR	33	211121 J032	104	1S 1S
CH	SPIRE SLW Bias A2 . COS26	SSD.-	-		S026	022SS-38	26		COS-S026 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
025	SPIRE SLW JFETV A1 . +ve	SSF.-	-		S011	022BS-38	11				CVVUCR	33	211121 J032	092	1S 1S
007	SPIRE SLW JFETV A1 . -ve	SSF.-	-		S011	022BS-38	11				CVVUCR	33	211121 J032	091	1S
006	SPIRE SLW JFETV A1 . SHD11	SSF.-	-		S011	022BS-38	11		CIS-S011		CVVUCR	33	211121 J032	104	1S 1S
CH	SPIRE SLW JFETV A1 . COS11	SSF.-	-		S011	022BS-38	11		COS-S011 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
008	SPIRE SLW JFETV A2 . +ve	SSF.-	-		S012	022BS-38	12				CVVUCR	33	211121 J032	103	1S 1S
027	SPIRE SLW JFETV A2 . -ve	SSF.-	-		S012	022BS-38	12				CVVUCR	33	211121 J032	113	1S
026	SPIRE SLW JFETV A2 . SHD12	SSF.-	-		S012	022BS-38	12		CIS-S012		CVVUCR	33	211121 J032	104	1S 1S
CH	SPIRE SLW JFETV A2 . COS12	SSF.-	-		S012	022BS-38	12		COS-S012 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
028	SPIRE SSW Bias A1 . +ve	SSC.-	-		S029	022SS-38	29				CVVUCR	33	211121 J032	090	1S 1S
010	SPIRE SSW Bias A1 . -ve	SSC.-	-		S029	022SS-38	29				CVVUCR	33	211121 J032	079	1S
009	SPIRE SSW Bias A1 . SHD29	SSC.-	-		S029	022SS-38	29		CIS-S029		CVVUCR	33	211121 J032	093	1S 1S

Pin Allocation List

(Harness)

Connector: 121220 P009
Item: HSJFS

Function / Bundle: SSW/SLW Bias Prime SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	SPIRE SSW Bias A1 . COS29		SSC.-	-	S029	022SS-38	29			COS-S029 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
011	SPIRE SSW JFETV A1 . +ve		SSE.-	-	S016	022BS-38	16				CVVUCR	33	211121 J032	068	1S
030	SPIRE SSW JFETV A1 . -ve		SSE.-	-	S016	022BS-38	16				CVVUCR	33	211121 J032	057	
029	SPIRE SSW JFETV A1 . SHD16		SSE.-	-	S016	022BS-38	16			CIS-S016	CVVUCR	33	211121 J032	093	1S 1S
CH	SPIRE SSW JFETV A1 . COS16		SSE.-	-	S016	022BS-38	16			COS-S016 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
013	SPIRE SSW Bias A2 . +ve		SSC.-	-	S031	022SS-38	31				CVVUCR	33	211121 J032	069	1S 1S
032	SPIRE SSW Bias A2 . -ve		SSC.-	-	S031	022SS-38	31				CVVUCR	33	211121 J032	080	1S
031	SPIRE SSW Bias A2 . SHD31		SSC.-	-	S031	022SS-38	31			CIS-S031	CVVUCR	33	211121 J032	093	1S 1S
CH	SPIRE SSW Bias A2 . COS31		SSC.-	-	S031	022SS-38	31			COS-S031 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
033	SPIRE SSW JFETV A2 . +ve		SSE.-	-	S017	022BS-38	17				CVVUCR	33	211121 J032	070	1S 1S
015	SPIRE SSW JFETV A2 . -ve		SSE.-	-	S017	022BS-38	17				CVVUCR	33	211121 J032	081	1S
014	SPIRE SSW JFETV A2 . SHD17		SSE.-	-	S017	022BS-38	17			CIS-S017	CVVUCR	33	211121 J032	093	1S 1S
CH	SPIRE SSW JFETV A2 . COS17		SSE.-	-	S017	022BS-38	17			COS-S017 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
017	SPIRE SLW JFET Htr A . +ve		SSH.-	-	S033	021BS-38	33				CVVUCR	33	211121 J032	023	1S
036	SPIRE SLW JFET Htr A . -ve		SSH.-	-	S033	021BS-38	33				CVVUCR	33	211121 J032	034	
018	SPIRE SLW JFET Htr A . SHD33		SSH.-	-	S033	021BS-38	33			CS-S033	CVVUCR	33	211121 J032	022	1S 1S
-															
037	SPIRE SSW JFET Htr A . +ve		SSG.-	-	S034	021BS-38	34				CVVUCR	33	211121 J032	033	1S
019	SPIRE SSW JFET Htr A . -ve		SSG.-	-	S034	021BS-38	34				CVVUCR	33	211121 J032	045	
018	SPIRE SSW JFET Htr A . SHD34		SSG.-	-	S034	021BS-38	34			CS-S034	CVVUCR	33	211121 J032	022	1S 1S
-															
-															
016	SPIRE PTC JFET Htr A . +ve		S3B.-	-	S019	021BS-38	19				CVVUCR	33	211121 J032	044	1S
035	SPIRE PTC JFET Htr A . -ve		S3B.-	-	S019	021BS-38	19				CVVUCR	33	211121 J032	056	
NC	SPIRE PTC JFET Htr A . SHD19		S3B.-	-	S019	021BS-38	19			CS-S019	CVVUCR	33	211121 J032	022	1S 1S
-															
012	Interconnection Star Pin									Start Pin for interconnection					1S
009	to be con to pin 012														1S
014	to be con to pin 012														1S
029	to be con to pin 012														1S

Pin Allocation List (Harness)

Connector: 121220 P009
Item: HSJFS

Function / Bundle: SSW/SLW Bias Prime SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	to be con to pin 012														1S
-															1S
006	Interconnection Star Pin									Start Pin for interconnection					1S
023	to be con to pin 006														1S
026	to be con to pin 006														1S
-															1S
-	harness branch to be isolated from s/c structure														1S
-															1S
-	1 pin is NC									The following Pin is NC :					
-										;034					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 11 (of 666)

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Pin Allocation List

(Harness)

Connector: 121220 P010
Item: HSJFS

Function / Bundle: SSW/SLW Bias Red SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PTC TC Bias B . +ve	S3A.-	-		S020	022BS-38	20				CVVUCR	33	211121 J032	001	1S
020	SPIRE PTC TC Bias B . -ve	S3A.-	-		S020	022BS-38	20				CVVUCR	33	211121 J032	008	
002	SPIRE PTC TC Bias B . SHD20	S3A.-	-		S020	022BS-38	20		CIS-S020		CVVUCR	33	211121 J032	004	1S 1S
CH	SPIRE PTC TC Bias B . COS20	S3A.-	-		S020	022BS-38	20		COS-S020 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
021	SPIRE PTC JFETV Bias B . +ve	S3C.-	-		S022	022BS-38	22				CVVUCR	33	211121 J032	003	1S
003	SPIRE PTC JFETV Bias B . -ve	S3C.-	-		S022	022BS-38	22				CVVUCR	33	211121 J032	002	
002	SPIRE PTC JFETV Bias B . SHD22	S3C.-	-		S022	022BS-38	22		CIS-S022		CVVUCR	33	211121 J032	004	1S 1S
CH	SPIRE PTC JFETV Bias B . COS22	S3C.-	-		S022	022BS-38	22		COS-S022 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
022	SPIRE SLW Bias B1 . +ve	SSD.-	-		S038	022SS-38	38				CVVUCR	33	211121 J032	013	1S
004	SPIRE SLW Bias B1 . -ve	SSD.-	-		S038	022SS-38	38				CVVUCR	33	211121 J032	012	
006	SPIRE SLW Bias B1 . SHD38	SSD.-	-		S038	022SS-38	38		CIS-S038		CVVUCR	33	211121 J032	032	1S 1S
CH	SPIRE SLW Bias B1 . COS38	SSD.-	-		S038	022SS-38	38		COS-S038 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
005	SPIRE SLW Bias B2 . +ve	SSD.-	-		S039	022SS-38	39				CVVUCR	33	211121 J032	021	1S
024	SPIRE SLW Bias B2 . -ve	SSD.-	-		S039	022SS-38	39				CVVUCR	33	211121 J032	020	
023	SPIRE SLW Bias B2 . SHD39	SSD.-	-		S039	022SS-38	39		CIS-S039		CVVUCR	33	211121 J032	032	1S 1S
CH	SPIRE SLW Bias B2 . COS39	SSD.-	-		S039	022SS-38	39		COS-S039 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
025	SPIRE SLW JFETV B1 . +ve	SSF.-	-		S028	022BS-38	28				CVVUCR	33	211121 J032	031	1S
007	SPIRE SLW JFETV B1 . -ve	SSF.-	-		S028	022BS-38	28				CVVUCR	33	211121 J032	043	
006	SPIRE SLW JFETV B1 . SHD28	SSF.-	-		S028	022BS-38	28		CIS-S028		CVVUCR	33	211121 J032	032	1S 1S
CH	SPIRE SLW JFETV B1 . COS28	SSF.-	-		S028	022BS-38	28		COS-S028 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
008	SPIRE SLW JFETV B2 . +ve	SSF.-	-		S023	022BS-38	23				CVVUCR	33	211121 J032	042	1S
027	SPIRE SLW JFETV B2 . -ve	SSF.-	-		S023	022BS-38	23				CVVUCR	33	211121 J032	054	
026	SPIRE SLW JFETV B2 . SHD23	SSF.-	-		S023	022BS-38	23		CIS-S023		CVVUCR	33	211121 J032	032	1S 1S
CH	SPIRE SLW JFETV B2 . COS23	SSF.-	-		S023	022BS-38	23		COS-S023 con to CH		CVVUCR	33	211121 J032	FCR	1S 1S
-															
028	SPIRE SSW Bias B1 . +ve	SSC.-	-		S042	022SS-38	42				CVVUCR	33	211121 J032	010	1S
010	SPIRE SSW Bias B1 . -ve	SSC.-	-		S042	022SS-38	42				CVVUCR	33	211121 J032	011	
009	SPIRE SSW Bias B1 . SHD42	SSC.-	-		S042	022SS-38	42		CIS-S042		CVVUCR	33	211121 J032	040	1S 1S

Pin Allocation List

(Harness)

Connector: 121220 P010
Item: HSJFS

Function / Bundle: SSW/SLW Bias Red SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	SPIRE SSW Bias B1 . COS42		SSC.-	-	S042	022SS-38	42			COS-S042 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
011	SPIRE SSW JFETV B1 . +ve		SSE.-	-	S035	022BS-38	35				CVVUCR	33	211121 J032	019	1S
030	SPIRE SSW JFETV B1 . -ve		SSE.-	-	S035	022BS-38	35				CVVUCR	33	211121 J032	029	
029	SPIRE SSW JFETV B1 . SHD35		SSE.-	-	S035	022BS-38	35			CIS-S035	CVVUCR	33	211121 J032	040	1S 1S
CH	SPIRE SSW JFETV B1 . COS35		SSE.-	-	S035	022BS-38	35			COS-S035 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
013	SPIRE SSW Bias B2 . +ve		SSC.-	-	S044	022SS-38	44				CVVUCR	33	211121 J032	041	1S
032	SPIRE SSW Bias B2 . -ve		SSC.-	-	S044	022SS-38	44				CVVUCR	33	211121 J032	030	
031	SPIRE SSW Bias B2 . SHD44		SSC.-	-	S044	022SS-38	44			CIS-S044	CVVUCR	33	211121 J032	040	1S 1S
CH	SPIRE SSW Bias B2 . COS44		SSC.-	-	S044	022SS-38	44			COS-S044 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
033	SPIRE SSW JFETV B2 . +ve		SSE.-	-	S036	022BS-38	36				CVVUCR	33	211121 J032	053	1S
015	SPIRE SSW JFETV B2 . -ve		SSE.-	-	S036	022BS-38	36				CVVUCR	33	211121 J032	052	
014	SPIRE SSW JFETV B2 . SHD36		SSE.-	-	S036	022BS-38	36			CIS-S036	CVVUCR	33	211121 J032	040	1S 1S
CH	SPIRE SSW JFETV B2 . COS36		SSE.-	-	S036	022BS-38	36			COS-S036 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
017	SPIRE SLW JFET Htr B . +ve		SSH.-	-	S046	021BS-38	46				CVVUCR	33	211121 J032	018	1S
036	SPIRE SLW JFET Htr B . -ve		SSH.-	-	S046	021BS-38	46				CVVUCR	33	211121 J032	028	
018	SPIRE SLW JFET Htr B . SHD46		SSH.-	-	S046	021BS-38	46			CS-S046	CVVUCR	33	211121 J032	039	1S 1S
-															
037	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	47				CVVUCR	33	211121 J032	009	1S
019	SPIRE SSW JFET Htr B . -ve		SSG.-	-	S047	021BS-38	47				CVVUCR	33	211121 J032	017	
018	SPIRE SSW JFET Htr B . SHD47		SSG.-	-	S047	021BS-38	47			CS-S047	CVVUCR	33	211121 J032	039	1S 1S
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	40				CVVUCR	33	211121 J032	016	1S
035	SPIRE PTC JFET Htr B . -ve		S3B.-	-	S040	021BS-38	40				CVVUCR	33	211121 J032	027	
NC	SPIRE PTC JFET Htr B . SHD40		S3B.-	-	S040	021BS-38	40			CS-S040	CVVUCR	33	211121 J032	039	1S 1S
-															
006	Interconnection Star Pin									Star Pin for Interconnection					1S
023	to be con to pin 006														1S
026	to be con to pin 006														1S
-															1S
012	Interconnection Star Pin									Star Pin for Interconnection					1S

Pin Allocation List (Harness)

Connector: 121220 P010
Item: HSJFS

Function / Bundle: SSW/SLW Bias Red SIH-XS-01

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
009	to be con to pin 012														1S
014	to be con to pin 012														1S
029	to be con to pin 012														1S
031	to be con to pin 012														1S
-															1S
-	harness branch to be isolated from s/c structure														1S
-															
-	1 pin is NC									The following Pin is NC :					
-										;034					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 121220 P006
Item: HSJFS

Function / Bundle: SLW Bolom. Ch 13-24 HSJFS SIH-XS-01

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SLW Ch13-16 . 13+		SSB.-	-	S004	12AXD-38	1	004-1	1		CVVUCR	33	211121 J032	086	1S	1S
014	SPIRE SLW Ch13-16 . 13-		SSB.-	-	S004	12AXD-38	1	004-1	1		CVVUCR	33	211121 J032	087	1S	1S
013	SPIRE SLW Ch13-16 . 13gnd		SSB.-	-	S004	12AXD-38	1	004-1	1		CVVUCR	33	211121 J032	122	1S	1S
-																
002	SPIRE SLW Ch13-16 . 14+		SSB.-	-	S004	12AXD-38	1	004-2	2		CVVUCR	33	211121 J032	097	1S	1S
015	SPIRE SLW Ch13-16 . 14-		SSB.-	-	S004	12AXD-38	1	004-2	2		CVVUCR	33	211121 J032	098	1S	1S
013	SPIRE SLW Ch13-16 . 14gnd		SSB.-	-	S004	12AXD-38	1	004-2	2		CVVUCR	33	211121 J032	122	1S	1S
-																
003	SPIRE SLW Ch13-16 . 15+		SSB.-	-	S004	12AXD-38	1	004-3	3		CVVUCR	33	211121 J032	108	1S	1S
016	SPIRE SLW Ch13-16 . 15-		SSB.-	-	S004	12AXD-38	1	004-3	3		CVVUCR	33	211121 J032	109	1S	1S
013	SPIRE SLW Ch13-16 . 15gnd		SSB.-	-	S004	12AXD-38	1	004-3	3		CVVUCR	33	211121 J032	122	1S	1S
-																
004	SPIRE SLW Ch13-16 . 16+		SSB.-	-	S004	12AXD-38	1	004-4	4		CVVUCR	33	211121 J032	116	1S	1S
017	SPIRE SLW Ch13-16 . 16-		SSB.-	-	S004	12AXD-38	1	004-4	4		CVVUCR	33	211121 J032	117	1S	1S
013	SPIRE SLW Ch13-16 . 16gnd		SSB.-	-	S004	12AXD-38	1	004-4	4		CVVUCR	33	211121 J032	122	1S	1S
013	SPIRE SLW Ch13-16 . SHD04		SSB.-	-	S004	12AXD-38	1			CIS-S004	CVVUCR	33	211121 J032	122	1S	1S
CH	SPIRE SLW Ch13-16 . COS04		SSB.-	-	S004	12AXD-38				COS-004 con to CH	CVVUCR	33	211121 J032	FCR	1S	1S
-																
005	SPIRE SLW Ch17-20 . 17+		SSB.-	-	S005	12AXD-38	2	006-1	5		CVVUCR	33	211121 J032	055	1S	1S
018	SPIRE SLW Ch17-20 . 17-		SSB.-	-	S005	12AXD-38	2	005-1	5		CVVUCR	33	211121 J032	066	1S	1S
013	SPIRE SLW Ch17-20 . 17gnd		SSB.-	-	S005	12AXD-38	2	005-1	5		CVVUCR	33	211121 J032	122	1S	1S
-																
006	SPIRE SLW Ch17-20 . 18+		SSB.-	-	S005	12AXD-38	2	005-2	6		CVVUCR	33	211121 J032	067	1S	1S
019	SPIRE SLW Ch17-20 . 18-		SSB.-	-	S005	12AXD-38	2	005-2	6		CVVUCR	33	211121 J032	078	1S	1S
013	SPIRE SLW Ch17-20 . 18gnd		SSB.-	-	S005	12AXD-38	2	005-2	6		CVVUCR	33	211121 J032	122	1S	1S
-																
020	SPIRE SLW Ch17-20 . 19+		SSB.-	-	S005	12AXD-38	2	005-3	7		CVVUCR	33	211121 J032	076	1S	1S
007	SPIRE SLW Ch17-20 . 19-		SSB.-	-	S005	12AXD-38	2	005-3	7		CVVUCR	33	211121 J032	077	1S	1S
013	SPIRE SLW Ch17-20 . 19gnd		SSB.-	-	S005	12AXD-38	2	005-3	7		CVVUCR	33	211121 J032	122	1S	1S
-																
021	SPIRE SLW Ch17-20 . 20+		SSB.-	-	S005	12AXD-38	2	005-4	8		CVVUCR	33	211121 J032	088	1S	1S
008	SPIRE SLW Ch17-20 . 20-		SSB.-	-	S005	12AXD-38	2	005-4	8		CVVUCR	33	211121 J032	089	1S	1S
013	SPIRE SLW Ch17-20 . 20gnd		SSB.-	-	S005	12AXD-38	2	005-4	8		CVVUCR	33	211121 J032	122	1S	1S
013	SPIRE SLW Ch17-20 . SHD05		SSB.-	-	S005	12AXD-38	2			CIS-S005	CVVUCR	33	211121 J032	122	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P006
Item: HSJFS

Function / Bundle: SLW Bolom. Ch 13-24 HSJFS SIH-XS-01

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
CH	SPIRE SLW Ch17-20 . COS05		SSB.-	-	S005	12AXD-38	2			COS-S005 con to CH	CVVUCR	33	211121 J032	FCR	1S	1S
-																
022	SPIRE SLW Ch21-24 . 21+		SSB.-	-	S006	12AXD-38	3	006-1	9		CVVUCR	33	211121 J032	099	1S	1S
009	SPIRE SLW Ch21-24 . 21-		SSB.-	-	S006	12AXD-38	3	006-1	9		CVVUCR	33	211121 J032	100	1S	1S
013	SPIRE SLW Ch21-24 . 21gnd		SSB.-	-	S006	12AXD-38	3	006-1	9		CVVUCR	33	211121 J032	122	1S	1S
-																
023	SPIRE SLW Ch21-24 . 22+		SSB.-	-	S006	12AXD-38	3	006-2	A		CVVUCR	33	211121 J032	110	1S	1S
010	SPIRE SLW Ch21-24 . 22-		SSB.-	-	S006	12AXD-38	3	006-2	A		CVVUCR	33	211121 J032	111	1S	1S
013	SPIRE SLW Ch21-24 . 22gnd		SSB.-	-	S006	12AXD-38	3	006-2	A		CVVUCR	33	211121 J032	122	1S	1S
-																
024	SPIRE SLW Ch21-24 . 23+		SSB.-	-	S006	12AXD-38	3	006-3	B		CVVUCR	33	211121 J032	118	1S	1S
011	SPIRE SLW Ch21-24 . 23-		SSB.-	-	S006	12AXD-38	3	006-3	B		CVVUCR	33	211121 J032	119	1S	1S
013	SPIRE SLW Ch21-24 . 23gnd		SSB.-	-	S006	12AXD-38	3	006-3	B		CVVUCR	33	211121 J032	122	1S	1S
-																
025	SPIRE SLW Ch21-24 . 24+		SSB.-	-	S006	12AXD-38	3	006-4	C		CVVUCR	33	211121 J032	112	1S	1S
012	SPIRE SLW Ch21-24 . 24-		SSB.-	-	S006	12AXD-38	3	006-4	C		CVVUCR	33	211121 J032	120	1S	1S
013	SPIRE SLW Ch21-24 . 24gnd		SSB.-	-	S006	12AXD-38	3	006-4	C		CVVUCR	33	211121 J032	122	1S	1S
013	SPIRE SLW Ch21-24 . SHD06		SSB.-	-	S006	12AXD-38	3			CIS-S006	CVVUCR	33	211121 J032	122	1S	1S
CH	SPIRE SLW Ch21-24 . COS06		SSB.-	-	S006	12AXD-38	3			COS-S006 con to CH	CVVUCR	33	211121 J032	FCR	1S	1S
-																
-	harness branch to be isolated from s/c structure															1S

Pin Allocation List (Harness)

Connector: 121220 P005
Item: HSJFS

Function / Bundle: SLW Bolom. Ch 1-12 HSJFS SIH-XS-01

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SLW Ch01-04 . 1+	SSB.-	-		S001	12AXD-38	1	001-1	1		CVVUCR	33	211121 J032	026	1S	1S
014	SPIRE SLW Ch01-04 . 1-	SSB.-	-		S001	12AXD-38	1	001-1	1		CVVUCR	33	211121 J032	037	1S	1S
013	SPIRE SLW Ch01-04 . 1gnd	SSB.-	-		S001	12AXD-38	1	001-1	1		CVVUCR	33	211121 J032	115	1S	1S
-																
002	SPIRE SLW Ch01-04 . 2+	SSB.-	-		S001	12AXD-38	1	001-2	2		CVVUCR	33	211121 J032	038	1S	1S
015	SPIRE SLW Ch01-04 . 2-	SSB.-	-		S001	12AXD-38	1	001-2	2		CVVUCR	33	211121 J032	049	1S	1S
013	SPIRE SLW Ch01-04 . 2gnd	SSB.-	-		S001	12AXD-38	1	001-2	2		CVVUCR	33	211121 J032	115	1S	1S
-																
003	SPIRE SLW Ch01-04 . 3+	SSB.-	-		S001	12AXD-38	1	001-3	3		CVVUCR	33	211121 J032	048	1S	1S
016	SPIRE SLW Ch01-04 . 3-	SSB.-	-		S001	12AXD-38	1	001-3	3		CVVUCR	33	211121 J032	060	1S	1S
013	SPIRE SLW Ch01-04 . 3gnd	SSB.-	-		S001	12AXD-38	1	001-3	3		CVVUCR	33	211121 J032	115	1S	1S
-																
004	SPIRE SLW Ch01-04 . 4+	SSB.-	-		S001	12AXD-38	1	001-4	4		CVVUCR	33	211121 J032	059	1S	1S
017	SPIRE SLW Ch01-04 . 4-	SSB.-	-		S001	12AXD-38	1	001-4	4		CVVUCR	33	211121 J032	071	1S	1S
013	SPIRE SLW Ch01-04 . 4gnd	SSB.-	-		S001	12AXD-38	1	001-4	4		CVVUCR	33	211121 J032	115	1S	1S
-																1S
013	SPIRE SLW Ch01-04 . SHD01	SSB.-	-		S001	12AXD-38	1			CIS-S001	CVVUCR	33	211121 J032	115	1S	1S
CH	SPIRE SLW Ch01-04 . COS01	SSB.-	-		S001	12AXD-38	1			COS-S001 con to CH	CVVUCR	33	211121 J032	FCR	1S	1S
-																
005	SPIRE SLW Ch05-08 . 5+	SSB.-	-		S002	12AXD-38	2	002-1	5		CVVUCR	33	211121 J032	050	1S	1S
018	SPIRE SLW Ch05-08 . 5-	SSB.-	-		S002	12AXD-38	2	002-1	5		CVVUCR	33	211121 J032	061	1S	1S
013	SPIRE SLW Ch05-08 . 5gnd	SSB.-	-		S002	12AXD-38	2	002-1	5		CVVUCR	33	211121 J032	115	1S	1S
-																
006	SPIRE SLW Ch05-08 . 6+	SSB.-	-		S002	12AXD-38	2	002-2	6		CVVUCR	33	211121 J032	062	1S	1S
019	SPIRE SLW Ch05-08 . 6-	SSB.-	-		S002	12AXD-38	2	002-2	6		CVVUCR	33	211121 J032	051	1S	1S
013	SPIRE SLW Ch05-08 . 6gnd	SSB.-	-		S002	12AXD-38	2	002-2	6		CVVUCR	33	211121 J032	115	1S	1S
-																
020	SPIRE SLW Ch05-08 . 7+	SSB.-	-		S002	12AXD-38	2	002-3	7		CVVUCR	33	211121 J032	063	1S	1S
007	SPIRE SLW Ch05-08 . 7-	SSB.-	-		S002	12AXD-38	2	002-3	7		CVVUCR	33	211121 J032	075	1S	1S
013	SPIRE SLW Ch05-08 . 7gnd	SSB.-	-		S002	12AXD-38	2	002-3	7		CVVUCR	33	211121 J032	115	1S	1S
-																
021	SPIRE SLW Ch05-08 . 8+	SSB.-	-		S002	12AXD-38	2	002-4	8		CVVUCR	33	211121 J032	074	1S	1S
008	SPIRE SLW Ch05-08 . 8-	SSB.-	-		S002	12AXD-38	2	002-4	8		CVVUCR	33	211121 J032	073	1S	1S
013	SPIRE SLW Ch05-08 . 8gnd	SSB.-	-		S002	12AXD-38	2	002-4	8		CVVUCR	33	211121 J032	115	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P005
Item: HSJFS

Function / Bundle: SLW Bolom. Ch 1-12 HSJFS SIH-XS-01

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE SLW Ch05-08 . SHD02		SSB.-	-	S002	12AXD-38	2			CIS-S002	CVVUCR	33	211121 J032	115	1S 1S
CH	SPIRE SLW Ch05-08 . COS02		SSB.-	-	S002	12AXD-38	2			COS-S002 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
022	SPIRE SLW Ch09-12 . 9+		SSB.-	-	S003	12AXD-38	3	003-1	9		CVVUCR	33	211121 J032	083	1S 1S
009	SPIRE SLW Ch09-12 . 9-		SSB.-	-	S003	12AXD-38	3	003-1	9		CVVUCR	33	211121 J032	072	1S 1S
013	SPIRE SLW Ch09-12 . 9gnd		SSB.-	-	S003	12AXD-38	3	003-1	9		CVVUCR	33	211121 J032	115	1S 1S
-															
023	SPIRE SLW Ch09-12 . 10+		SSB.-	-	S003	12AXD-38	3	003-2	A		CVVUCR	33	211121 J032	095	1S 1S
010	SPIRE SLW Ch09-12 . 10-		SSB.-	-	S003	12AXD-38	3	003-2	A		CVVUCR	33	211121 J032	084	1S 1S
013	SPIRE SLW Ch09-12 . 10gnd		SSB.-	-	S003	12AXD-38	3	003-2	A		CVVUCR	33	211121 J032	115	1S 1S
-															
024	SPIRE SLW Ch09-12 . 11+		SSB.-	-	S003	12AXD-38	3	003-3	B		CVVUCR	33	211121 J032	096	1S 1S
011	SPIRE SLW Ch09-12 . 11-		SSB.-	-	S003	12AXD-38	3	003-3	B		CVVUCR	33	211121 J032	085	1S 1S
013	SPIRE SLW Ch09-12 . 11gnd		SSB.-	-	S003	12AXD-38	3	003-3	B		CVVUCR	33	211121 J032	115	1S 1S
-															
025	SPIRE SLW Ch09-12 . 12+		SSB.-	-	S003	12AXD-38	3	003-4	C		CVVUCR	33	211121 J032	106	1S 1S
012	SPIRE SLW Ch09-12 . 12-		SSB.-	-	S003	12AXD-38	3	003-4	C		CVVUCR	33	211121 J032	107	1S 1S
013	SPIRE SLW Ch09-12 . 12gnd		SSB.-	-	S003	12AXD-38	3	003-4	C		CVVUCR	33	211121 J032	115	1S 1S
-															1S
013	SPIRE SLW Ch09-12 . SHD03		SSB.-	-	S003	12AXD-38	3			CIS-S003	CVVUCR	33	211121 J032	115	1S 1S
CH	SPIRE SLW Ch09-12 . COS03		SSB.-	-	S003	12AXD-38	3			COS-S003 con to CH	CVVUCR	33	211121 J032	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List

(Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE SLW Ch01-04 . 1+		SSB.-	-	S001	12AXD-38	1	001-1	1		HSJFS	76	121220 P005	001	1S	1S
037	SPIRE SLW Ch01-04 . 1-		SSB.-	-	S001	12AXD-38	1	001-1	1		HSJFS	76	121220 P005	014	1S	1S
115	SPIRE SLW Ch01-04 . 1gnd		SSB.-	-	S001	12AXD-38	1	001-1	1		HSJFS	76	121220 P005	013	1S	1S
-																
038	SPIRE SLW Ch01-04 . 2+		SSB.-	-	S001	12AXD-38	1	001-2	2		HSJFS	76	121220 P005	002	1S	1S
049	SPIRE SLW Ch01-04 . 2-		SSB.-	-	S001	12AXD-38	1	001-2	2		HSJFS	76	121220 P005	015	1S	1S
115	SPIRE SLW Ch01-04 . 2gnd		SSB.-	-	S001	12AXD-38	1	001-2	2		HSJFS	76	121220 P005	013	1S	1S
-																
048	SPIRE SLW Ch01-04 . 3+		SSB.-	-	S001	12AXD-38	1	001-3	3		HSJFS	76	121220 P005	003	1S	1S
060	SPIRE SLW Ch01-04 . 3-		SSB.-	-	S001	12AXD-38	1	001-3	3		HSJFS	76	121220 P005	016	1S	1S
115	SPIRE SLW Ch01-04 . 3gnd		SSB.-	-	S001	12AXD-38	1	001-3	3		HSJFS	76	121220 P005	013	1S	1S
-																
059	SPIRE SLW Ch01-04 . 4+		SSB.-	-	S001	12AXD-38	1	001-4	4		HSJFS	76	121220 P005	004	1S	1S
071	SPIRE SLW Ch01-04 . 4-		SSB.-	-	S001	12AXD-38	1	001-4	4		HSJFS	76	121220 P005	017	1S	1S
115	SPIRE SLW Ch01-04 . 4gnd		SSB.-	-	S001	12AXD-38	1	001-4	4		HSJFS	76	121220 P005	013	1S	1S
-																1S
115	SPIRE SLW Ch01-04 . SHD01		SSB.-	-	S001	12AXD-38	1			CIS-S001	HSJFS	76	121220 P005	013	1S	1S
FCR	SPIRE SLW Ch01-04 . COS01		SSB.-	-	S001	12AXD-38	1			COS-S001 con to FCR	HSJFS	76	121220 P005	CH	1S	1S
-																
050	SPIRE SLW Ch05-08 . 5+		SSB.-	-	S002	12AXD-38	2	002-1	5		HSJFS	76	121220 P005	005	1S	1S
061	SPIRE SLW Ch05-08 . 5-		SSB.-	-	S002	12AXD-38	2	002-1	5		HSJFS	76	121220 P005	018	1S	1S
115	SPIRE SLW Ch05-08 . 5gnd		SSB.-	-	S002	12AXD-38	2	002-1	5		HSJFS	76	121220 P005	013	1S	1S
-																
062	SPIRE SLW Ch05-08 . 6+		SSB.-	-	S002	12AXD-38	2	002-2	6		HSJFS	76	121220 P005	006	1S	1S
051	SPIRE SLW Ch05-08 . 6-		SSB.-	-	S002	12AXD-38	2	002-2	6		HSJFS	76	121220 P005	019	1S	1S
115	SPIRE SLW Ch05-08 . 6gnd		SSB.-	-	S002	12AXD-38	2	002-2	6		HSJFS	76	121220 P005	013	1S	1S
-																
063	SPIRE SLW Ch05-08 . 7+		SSB.-	-	S002	12AXD-38	2	002-3	7		HSJFS	76	121220 P005	020	1S	1S
075	SPIRE SLW Ch05-08 . 7-		SSB.-	-	S002	12AXD-38	2	002-3	7		HSJFS	76	121220 P005	007	1S	1S
115	SPIRE SLW Ch05-08 . 7gnd		SSB.-	-	S002	12AXD-38	2	002-3	7		HSJFS	76	121220 P005	013	1S	1S
-																
074	SPIRE SLW Ch05-08 . 8+		SSB.-	-	S002	12AXD-38	2	002-4	8		HSJFS	76	121220 P005	021	1S	1S
073	SPIRE SLW Ch05-08 . 8-		SSB.-	-	S002	12AXD-38	2	002-4	8		HSJFS	76	121220 P005	008	1S	1S
115	SPIRE SLW Ch05-08 . 8gnd		SSB.-	-	S002	12AXD-38	2	002-4	8		HSJFS	76	121220 P005	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
115	SPIRE SLW Ch05-08 . SHD02		SSB.-	-	S002	12AXD-38	2			CIS-S002	HSJFS	76	121220 P005	013	1S 1S
FCR	SPIRE SLW Ch05-08 . COS02		SSB.-	-	S002	12AXD-38	2			COS-S003 con to FCR	HSJFS	76	121220 P005	CH	1S 1S
-															
083	SPIRE SLW Ch09-12 . 9+		SSB.-	-	S003	12AXD-38	3	003-1	9		HSJFS	76	121220 P005	022	1S 1S
072	SPIRE SLW Ch09-12 . 9-		SSB.-	-	S003	12AXD-38	3	003-1	9		HSJFS	76	121220 P005	009	1S 1S
115	SPIRE SLW Ch09-12 . 9gnd		SSB.-	-	S003	12AXD-38	3	003-1	9		HSJFS	76	121220 P005	013	1S 1S
-															
095	SPIRE SLW Ch09-12 . 10+		SSB.-	-	S003	12AXD-38	3	003-2	A		HSJFS	76	121220 P005	023	1S 1S
084	SPIRE SLW Ch09-12 . 10-		SSB.-	-	S003	12AXD-38	3	003-2	A		HSJFS	76	121220 P005	010	1S 1S
115	SPIRE SLW Ch09-12 . 10gnd		SSB.-	-	S003	12AXD-38	3	003-2	A		HSJFS	76	121220 P005	013	1S 1S
-															
096	SPIRE SLW Ch09-12 . 11+		SSB.-	-	S003	12AXD-38	3	003-3	B		HSJFS	76	121220 P005	024	1S 1S
085	SPIRE SLW Ch09-12 . 11-		SSB.-	-	S003	12AXD-38	3	003-3	B		HSJFS	76	121220 P005	011	1S 1S
115	SPIRE SLW Ch09-12 . 11gnd		SSB.-	-	S003	12AXD-38	3	003-3	B		HSJFS	76	121220 P005	013	1S 1S
-															
106	SPIRE SLW Ch09-12 . 12+		SSB.-	-	S003	12AXD-38	3	003-4	C		HSJFS	76	121220 P005	025	1S 1S
107	SPIRE SLW Ch09-12 . 12-		SSB.-	-	S003	12AXD-38	3	003-4	C		HSJFS	76	121220 P005	012	1S 1S
115	SPIRE SLW Ch09-12 . 12gnd		SSB.-	-	S003	12AXD-38	3	003-4	C		HSJFS	76	121220 P005	013	1S 1S
-															1S
115	SPIRE SLW Ch09-12 . SHD03		SSB.-	-	S003	12AXD-38	3			CIS-S003	HSJFS	76	121220 P005	013	1S 1S
FCR	SPIRE SLW Ch09-12 . COS03		SSB.-	-	S003	12AXD-38	3			COS-S003 con to FCR	HSJFS	76	121220 P005	CH	1S 1S
-															
086	SPIRE SLW Ch13-16 . 13+		SSB.-	-	S004	12AXD-38	4	004-1	D		HSJFS	76	121220 P006	001	1S 1S
087	SPIRE SLW Ch13-16 . 13-		SSB.-	-	S004	12AXD-38	4	004-1	D		HSJFS	76	121220 P006	014	1S 1S
122	SPIRE SLW Ch13-16 . 13gnd		SSB.-	-	S004	12AXD-38	4	004-1	D		HSJFS	76	121220 P006	013	1S 1S
-															
097	SPIRE SLW Ch13-16 . 14+		SSB.-	-	S004	12AXD-38	4	004-2	E		HSJFS	76	121220 P006	002	1S 1S
098	SPIRE SLW Ch13-16 . 14-		SSB.-	-	S004	12AXD-38	4	004-2	E		HSJFS	76	121220 P006	015	1S 1S
122	SPIRE SLW Ch13-16 . 14gnd		SSB.-	-	S004	12AXD-38	4	004-2	E		HSJFS	76	121220 P006	013	1S 1S
-															
108	SPIRE SLW Ch13-16 . 15+		SSB.-	-	S004	12AXD-38	4	004-3	F		HSJFS	76	121220 P006	003	1S 1S
109	SPIRE SLW Ch13-16 . 15-		SSB.-	-	S004	12AXD-38	4	004-3	F		HSJFS	76	121220 P006	016	1S 1S
122	SPIRE SLW Ch13-16 . 15gnd		SSB.-	-	S004	12AXD-38	4	004-3	F		HSJFS	76	121220 P006	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
116	SPIRE SLW Ch13-16 . 16+		SSB.-	-	S004	12AXD-38	4	004-4	G		HSJFS	76	121220 P006	004	1S 1S
117	SPIRE SLW Ch13-16 . 16-		SSB.-	-	S004	12AXD-38	4	004-4	G		HSJFS	76	121220 P006	017	1S 1S
122	SPIRE SLW Ch13-16 . 16gnd		SSB.-	-	S004	12AXD-38	4	004-4	G		HSJFS	76	121220 P006	013	1S 1S
-															1S
122	SPIRE SLW Ch13-16 . SHD04		SSB.-	-	S004	12AXD-38	4			CIS-S004	HSJFS	76	121220 P006	013	1S 1S
FCR	SPIRE SLW Ch13-16 . COS04		SSB.-	-	S004	12AXD-38	4			COS-S004 con to FCR	HSJFS	76	121220 P006	CH	1S 1S
-															
055	SPIRE SLW Ch17-20 . 17+		SSB.-	-	S005	12AXD-38	5	005-1	H		HSJFS	76	121220 P006	005	1S 1S
066	SPIRE SLW Ch17-20 . 17-		SSB.-	-	S005	12AXD-38	5	005-1	H		HSJFS	76	121220 P006	018	1S 1S
122	SPIRE SLW Ch17-20 . 17gnd		SSB.-	-	S005	12AXD-38	5	005-1	H		HSJFS	76	121220 P006	013	1S 1S
-															
067	SPIRE SLW Ch17-20 . 18+		SSB.-	-	S005	12AXD-38	5	005-2	J		HSJFS	76	121220 P006	006	1S 1S
078	SPIRE SLW Ch17-20 . 18-		SSB.-	-	S005	12AXD-38	5	005-2	J		HSJFS	76	121220 P006	019	1S 1S
122	SPIRE SLW Ch17-20 . 18gnd		SSB.-	-	S005	12AXD-38	5	005-2	J		HSJFS	76	121220 P006	013	1S 1S
-															
076	SPIRE SLW Ch17-20 . 19+		SSB.-	-	S005	12AXD-38	5	005-3	K		HSJFS	76	121220 P006	020	1S 1S
077	SPIRE SLW Ch17-20 . 19-		SSB.-	-	S005	12AXD-38	5	005-3	K		HSJFS	76	121220 P006	007	1S 1S
122	SPIRE SLW Ch17-20 . 19gnd		SSB.-	-	S005	12AXD-38	5	005-3	K		HSJFS	76	121220 P006	013	1S 1S
-															
088	SPIRE SLW Ch17-20 . 20+		SSB.-	-	S005	12AXD-38	5	005-4	L		HSJFS	76	121220 P006	021	1S 1S
089	SPIRE SLW Ch17-20 . 20-		SSB.-	-	S005	12AXD-38	5	005-4	L		HSJFS	76	121220 P006	008	1S 1S
122	SPIRE SLW Ch17-20 . 20gnd		SSB.-	-	S005	12AXD-38	5	005-4	L		HSJFS	76	121220 P006	013	1S 1S
-															1S
122	SPIRE SLW Ch17-20 . SHD05		SSB.-	-	S005	12AXD-38	5			CIS-S005	HSJFS	76	121220 P006	013	1S 1S
FCR	SPIRE SLW Ch17-20 . COS05		SSB.-	-	S005	12AXD-38	5			COS-S005 con to FCR	HSJFS	76	121220 P006	CH	1S 1S
-															
099	SPIRE SLW Ch21-24 . 21+		SSB.-	-	S006	12AXD-38	6	006-1	M		HSJFS	76	121220 P006	022	1S 1S
100	SPIRE SLW Ch21-24 . 21-		SSB.-	-	S006	12AXD-38	6	006-1	M		HSJFS	76	121220 P006	009	1S 1S
122	SPIRE SLW Ch21-24 . 21gnd		SSB.-	-	S006	12AXD-38	6	006-1	M		HSJFS	76	121220 P006	013	1S 1S
-															
110	SPIRE SLW Ch21-24 . 22+		SSB.-	-	S006	12AXD-38	6	006-2	N		HSJFS	76	121220 P006	023	1S 1S
111	SPIRE SLW Ch21-24 . 22-		SSB.-	-	S006	12AXD-38	6	006-2	N		HSJFS	76	121220 P006	010	1S 1S
122	SPIRE SLW Ch21-24 . 22gnd		SSB.-	-	S006	12AXD-38	6	006-2	N		HSJFS	76	121220 P006	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
118	SPIRE SLW Ch21-24 . 23+		SSB.-	-	S006	12AXD-38	6	006-3-	P		HSJFS	76	121220 P006	024	1S 1S
119	SPIRE SLW Ch21-24 . 23-		SSB.-	-	S006	12AXD-38	6	006-3	P		HSJFS	76	121220 P006	011	1S 1S
122	SPIRE SLW Ch21-24 . 23gnd		SSB.-	-	S006	12AXD-38	6	006-3	P		HSJFS	76	121220 P006	013	1S 1S
-															
112	SPIRE SLW Ch21-24 . 24+		SSB.-	-	S006	12AXD-38	6	006-4	Q		HSJFS	76	121220 P006	025	1S 1S
120	SPIRE SLW Ch21-24 . 24-		SSB.-	-	S006	12AXD-38	6	006-4	Q		HSJFS	76	121220 P006	012	1S 1S
122	SPIRE SLW Ch21-24 . 24gnd		SSB.-	-	S006	12AXD-38	6	006-4	Q		HSJFS	76	121220 P006	013	1S 1S
122	SPIRE SLW Ch21-24 . SHD06		SSB.-	-	S006	12AXD-38	6			CIS-S006	HSJFS	76	121220 P006	013	1S 1S
FCR	SPIRE SLW Ch21-24 . COS06		SSB.-	-	S006	12AXD-38	6			COS-S006 con to FCR	HSJFS	76	121220 P006	CH	1S 1S
-															
007	SPIRE PTC TC Bias A . +ve		S3A.-	-	S009	022BS-38	9				HSJFS	76	121220 P009	001	1S
014	SPIRE PTC TC Bias A . -ve		S3A.-	-	S009	022BS-38	9				HSJFS	76	121220 P009	020	
046	SPIRE PTC TC Bias A . SHD09		S3A.-	-	S009	022BS-38	9			CIS-S009	HSJFS	76	121220 P009	002	1S 1S
FCR	SPIRE PTC TC Bias A . COS09		S3A.-	-	S009	022BS-38	9			COS-S009 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
024	SPIRE PTC JFETV Bias A . +ve		S3C.-	-	S010	022BS-38	10				HSJFS	76	121220 P009	021	1S
035	SPIRE PTC JFETV Bias A . -ve		S3C.-	-	S010	022BS-38	10				HSJFS	76	121220 P009	003	
046	SPIRE PTC JFETV Bias A . SHD10		S3C.-	-	S010	022BS-38	10			CIS-S010	HSJFS	76	121220 P009	002	1S 1S
FCR	SPIRE PTC JFETV Bias A . COS10		S3C.-	-	S010	022BS-38	10			COS-S010 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
121	SPIRE SLW Bias A1 . +ve		SSD.-	-	S025	022SS-38	25				HSJFS	76	121220 P009	022	1S 1S
114	SPIRE SLW Bias A1 . -ve		SSD.-	-	S025	022SS-38	25				HSJFS	76	121220 P009	004	1S
104	SPIRE SLW Bias A1 . SHD25		SSD.-	-	S025	022SS-38	25			CIS-S025	HSJFS	76	121220 P009	006	1S 1S
FCR	SPIRE SLW Bias A1 . COS25		SSD.-	-	S025	022SS-38	25			COS-S025 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
102	SPIRE SLW Bias A2 . +ve		SSD.-	-	S026	022SS-38	26				HSJFS	76	121220 P009	005	1S 1S
101	SPIRE SLW Bias A2 . -ve		SSD.-	-	S026	022SS-38	26				HSJFS	76	121220 P009	024	1S
104	SPIRE SLW Bias A2 . SHD26		SSD.-	-	S026	022SS-38	26			CIS-S026	HSJFS	76	121220 P009	023	1S 1S
FCR	SPIRE SLW Bias A2 . COS26		SSD.-	-	S026	022SS-38	26			COS-S026 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
092	SPIRE SLW JFETV A1 . +ve		SSF.-	-	S011	022BS-38	11				HSJFS	76	121220 P009	025	1S 1S
091	SPIRE SLW JFETV A1 . -ve		SSF.-	-	S011	022BS-38	11				HSJFS	76	121220 P009	007	1S
104	SPIRE SLW JFETV A1 . SHD11		SSF.-	-	S011	022BS-38	11			CIS-S011	HSJFS	76	121220 P009	006	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
FCR	SPIRE SLW JFETV A1 . COS11		SSF.-	-	S011	022BS-38	11			COS-S011 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
103	SPIRE SLW JFETV A2 . +ve		SSF.-	-	S012	022BS-38	12				HSJFS	76	121220 P009	008	1S 1S
113	SPIRE SLW JFETV A2 . -ve		SSF.-	-	S012	022BS-38	12				HSJFS	76	121220 P009	027	1S
104	SPIRE SLW JFETV A2 . SHD12		SSF.-	-	S012	022BS-38	12			CIS-S012	HSJFS	76	121220 P009	026	1S 1S
FCR	SPIRE SLW JFETV A2 . COS12		SSF.-	-	S012	022BS-38	12			COS-S012 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															1S
090	SPIRE SSW Bias A1 . +ve		SSC.-	-	S029	022SS-38	29				HSJFS	76	121220 P009	028	1S 1S
079	SPIRE SSW Bias A1 . -ve		SSC.-	-	S029	022SS-38	29				HSJFS	76	121220 P009	010	1S
093	SPIRE SSW Bias A1 . SHD29		SSC.-	-	S029	022SS-38	29			CIS-S029	HSJFS	76	121220 P009	009	1S 1S
FCR	SPIRE SSW Bias A1 . COS29		SSC.-	-	S029	022SS-38	29			COS-S029 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
068	SPIRE SSW JFETV A1 . +ve		SSE.-	-	S016	022BS-38	16				HSJFS	76	121220 P009	011	1S
057	SPIRE SSW JFETV A1 . -ve		SSE.-	-	S016	022BS-38	16				HSJFS	76	121220 P009	030	
093	SPIRE SSW JFETV A1 . SHD16		SSE.-	-	S016	022BS-38	16			CIS-S016	HSJFS	76	121220 P009	029	1S 1S
FCR	SPIRE SSW JFETV A1 . COS16		SSE.-	-	S016	022BS-38	16			COS-S016 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
069	SPIRE SSW Bias A2 . +ve		SSC.-	-	S031	022SS-38	31				HSJFS	76	121220 P009	013	1S 1S
080	SPIRE SSW Bias A2 . -ve		SSC.-	-	S031	022SS-38	31				HSJFS	76	121220 P009	032	1S
093	SPIRE SSW Bias A2 . SHD31		SSC.-	-	S031	022SS-38	31			CIS-S031	HSJFS	76	121220 P009	031	1S 1S
FCR	SPIRE SSW Bias A2 . COS31		SSC.-	-	S031	022SS-38	31			COS-S031 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
070	SPIRE SSW JFETV A2 . +ve		SSE.-	-	S017	022BS-38	17				HSJFS	76	121220 P009	033	1S 1S
081	SPIRE SSW JFETV A2 . -ve		SSE.-	-	S017	022BS-38	17				HSJFS	76	121220 P009	015	1S
093	SPIRE SSW JFETV A2 . SHD17		SSE.-	-	S017	022BS-38	17			CIS-S017	HSJFS	76	121220 P009	014	1S 1S
FCR	SPIRE SSW JFETV A2 . COS17		SSE.-	-	S017	022BS-38	17			COS-S017 con to FCR	HSJFS	76	121220 P009	CH	1S 1S
-															
023	SPIRE SLW JFET Htr A . +ve		SSH.-	-	S033	021BS-38	33				HSJFS	76	121220 P009	017	1S
034	SPIRE SLW JFET Htr A . -ve		SSH.-	-	S033	021BS-38	33				HSJFS	76	121220 P009	036	
022	SPIRE SLW JFET Htr A . SHD33		SSH.-	-	S033	021BS-38	33			CS-S033	HSJFS	76	121220 P009	018	1S 1S
-															
033	SPIRE SSW JFET Htr A . +ve		SSG.-	-	S034	021BS-38	34				HSJFS	76	121220 P009	037	1S
045	SPIRE SSW JFET Htr A . -ve		SSG.-	-	S034	021BS-38	34				HSJFS	76	121220 P009	019	
022	SPIRE SSW JFET Htr A . SHD34		SSG.-	-	S034	021BS-38	34			CS-S034	HSJFS	76	121220 P009	018	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
044	SPIRE PTC JFET Htr A . +ve		S3B.-	-	S019	021BS-38	19				HSJFS	76	121220 P009	016	1S
056	SPIRE PTC JFET Htr A . -ve		S3B.-	-	S019	021BS-38	19				HSJFS	76	121220 P009	035	
022	SPIRE PTC JFET Htr A . SHD19		S3B.-	-	S019	021BS-38	19		CS-S019		HSJFS	76	121220 P009	NC	1S 1S
-															
001	SPIRE PTC TC Bias B . +ve		S3A.-	-	S020	022BS-38	20				HSJFS	76	121220 P010	001	1S
008	SPIRE PTC TC Bias B . -ve		S3A.-	-	S020	022BS-38	20				HSJFS	76	121220 P010	020	
004	SPIRE PTC TC Bias B . SHD20		S3A.-	-	S020	022BS-38	20		CIS-S020		HSJFS	76	121220 P010	002	1S 1S
FCR	SPIRE PTC TC Bias B . COS20		S3A.-	-	S020	022BS-38	20		COS-S020 con to FCR		HSJFS	76	121220 P010	CH	1S 1S
-															
003	SPIRE PTC JFETV Bias B . +ve		S3C.-	-	S022	022BS-38	22				HSJFS	76	121220 P010	021	1S
002	SPIRE PTC JFETV Bias B . -ve		S3C.-	-	S022	022BS-38	22				HSJFS	76	121220 P010	003	
004	SPIRE PTC JFETV Bias B . SHD22		S3C.-	-	S022	022BS-38	22		CIS-S022		HSJFS	76	121220 P010	002	1S 1S
FCR	SPIRE PTC JFETV Bias B . COS22		S3C.-	-	S022	022BS-38	22		COS-S022 con to FCR		HSJFS	76	121220 P010	CH	1S 1S
-															
004	SPIRE PTC GND Wire A4		SSX.-	-	S404	010B0-30					HSJFS	76	121220 P010		1S
-															
013	SPIRE SLW Bias B1 . +ve		SSD.-	-	S038	022SS-38	38				HSJFS	76	121220 P010	022	1S
012	SPIRE SLW Bias B1 . -ve		SSD.-	-	S038	022SS-38	38				HSJFS	76	121220 P010	004	
032	SPIRE SLW Bias B1 . SHD38		SSD.-	-	S038	022SS-38	38		CIS-S038		HSJFS	76	121220 P010	006	1S 1S
FCR	SPIRE SLW Bias B1 . COS38		SSD.-	-	S038	022SS-38	38		COS-S038 con to FCR		HSJFS	76	121220 P010	CH	1S 1S
-															
021	SPIRE SLW Bias B2 . +ve		SSD.-	-	S039	022SS-38	39				HSJFS	76	121220 P010	005	1S
020	SPIRE SLW Bias B2 . -ve		SSD.-	-	S039	022SS-38	39				HSJFS	76	121220 P010	024	
032	SPIRE SLW Bias B2 . SHD39		SSD.-	-	S039	022SS-38	39		CIS-S039		HSJFS	76	121220 P010	023	1S 1S
FCR	SPIRE SLW Bias B2 . COS39		SSD.-	-	S039	022SS-38	39		COS-S039 con to FCR		HSJFS	76	121220 P010	CH	1S 1S
-															
031	SPIRE SLW JFETV B1 . +ve		SSF.-	-	S028	022BS-38	28				HSJFS	76	121220 P010	025	1S
043	SPIRE SLW JFETV B1 . -ve		SSF.-	-	S028	022BS-38	28				HSJFS	76	121220 P010	007	
032	SPIRE SLW JFETV B1 . SHD28		SSF.-	-	S028	022BS-38	28		CIS-S028		HSJFS	76	121220 P010	006	1S 1S
FCR	SPIRE SLW JFETV B1 . COS28		SSF.-	-	S028	022BS-38	28		COS-S028 con to FCR		HSJFS	76	121220 P010	CH	1S 1S
-															
042	SPIRE SLW JFETV B2 . +ve		SSF.-	-	S023	022BS-38	23				HSJFS	76	121220 P010	008	1S
054	SPIRE SLW JFETV B2 . -ve		SSF.-	-	S023	022BS-38	23				HSJFS	76	121220 P010	027	

Pin Allocation List

(Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
032	SPIRE SLW JFETV B2 . SHD23		SSF.-	-	S023	022BS-38	23			CIS-S023	HSJFS	76	121220 P010	026	1S 1S
FCR	SPIRE SLW JFETV B2 . COS23		SSF.-	-	S023	022BS-38	23			COS-S023 con to FCR	HSJFS	76	121220 P010	CH	1S 1S
-															1S
010	SPIRE SSW Bias B1 . +ve		SSC.-	-	S042	022SS-38	42				HSJFS	76	121220 P010	028	1S
011	SPIRE SSW Bias B1 . -ve		SSC.-	-	S042	022SS-38	42				HSJFS	76	121220 P010	010	
040	SPIRE SSW Bias B1 . SHD42		SSC.-	-	S042	022SS-38	42			CIS-S042	HSJFS	76	121220 P010	009	1S 1S
FCR	SPIRE SSW Bias B1 . COS42		SSC.-	-	S042	022SS-38	42			COS-S042 con to FCR	HSJFS	76	121220 P010	CH	1S 1S
-															
019	SPIRE SSW JFETV B1 . +ve		SSE.-	-	S035	022BS-38	35				HSJFS	76	121220 P010	011	1S
029	SPIRE SSW JFETV B1 . -ve		SSE.-	-	S035	022BS-38	35				HSJFS	76	121220 P010	030	
040	SPIRE SSW JFETV B1 . SHD35		SSE.-	-	S035	022BS-38	35			CIS-S035	HSJFS	76	121220 P010	029	1S 1S
FCR	SPIRE SSW JFETV B1 . COS35		SSE.-	-	S035	022BS-38	35			COS-S035 con to FCR	HSJFS	76	121220 P010	CH	1S 1S
-															
041	SPIRE SSW Bias B2 . +ve		SSC.-	-	S044	022SS-38	44				HSJFS	76	121220 P010	013	1S
030	SPIRE SSW Bias B2 . -ve		SSC.-	-	S044	022SS-38	44				HSJFS	76	121220 P010	032	
040	SPIRE SSW Bias B2 . SHD44		SSC.-	-	S044	022SS-38	44			CIS-S044	HSJFS	76	121220 P010	031	1S 1S
FCR	SPIRE SSW Bias B2 . COS44		SSC.-	-	S044	022SS-38	44			COS-S044 con to FCR	HSJFS	76	121220 P010	CH	1S 1S
-															
053	SPIRE SSW JFETV B2 . +ve		SSE.-	-	S036	022BS-38	36				HSJFS	76	121220 P010	033	1S
052	SPIRE SSW JFETV B2 . -ve		SSE.-	-	S036	022BS-38	36				HSJFS	76	121220 P010	015	
040	SPIRE SSW JFETV B2 . SHD36		SSE.-	-	S036	022BS-38	36			CIS-S036	HSJFS	76	121220 P010	014	1S 1S
FCR	SPIRE SSW JFETV B2 . COS36		SSE.-	-	S036	022BS-38	36			COS-S036 con to FCR	HSJFS	76	121220 P010	CH	1S 1S
-															1S
040	SPIRE SSW GND Wire C4		SSX.-	-	S408	010B0-30					HSJFS	76	121220 P010		1S
-															
018	SPIRE SLW JFET Htr B . +ve		SSH.-	-	S046	021BS-38	46				HSJFS	76	121220 P010	017	1S
028	SPIRE SLW JFET Htr B . -ve		SSH.-	-	S046	021BS-38	46				HSJFS	76	121220 P010	036	
039	SPIRE SLW JFET Htr B . SHD46		SSH.-	-	S046	021BS-38	46			CS-S046	HSJFS	76	121220 P010	018	1S 1S
-															
009	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	47				HSJFS	76	121220 P010	037	1S
017	SPIRE SSW JFET Htr B . -ve		SSG.-	-	S047	021BS-38	47				HSJFS	76	121220 P010	019	
039	SPIRE SSW JFET Htr B . SHD47		SSG.-	-	S047	021BS-38	47			CS-S047	HSJFS	76	121220 P010	018	1S 1S
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	40				HSJFS	76	121220 P010	016	1S

Pin Allocation List (Harness)

Connector: 211121 J032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
027	SPIRE PTC JFET Htr B . -ve		S3B.-	-	S040	021BS-38	40				HSJFS	76	121220 P010	035	
039	SPIRE PTC JFET Htr B . SHD40	SHD	S3B.-	-	S040	021BS-38	40		CS-S040		HSJFS	76	121220 P010	NC	1S 1S
-															1S
005	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
022	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
036	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
039	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
058	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
128	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
-															
-	CH to be isolated from FCR														1S
-	harness branch to be isolated from s/c structure														
-															1S
-	2 pins are NC								The following Pins are NC :						
-									;064 ;065						

Pin Allocation List (Harness)

Connector: 121220 P004
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SSW Ch25-28 . 25+	SSA.-	-		S059	12AXD-38	59	059-1	1		CVVUCR	33	211121 J031	013	1S	1S
014	SPIRE SSW Ch25-28 . 25-	SSA.-	-		S059	12AXD-38	59	059-1	1		CVVUCR	33	211121 J031	012	1S	1S
013	SPIRE SSW Ch25-28 . 25gnd	SSA.-	-		S059	12AXD-38	59	059-1	1		CVVUCR	33	211121 J031	005	1S	1S
-																
002	SPIRE SSW Ch25-28 . 26+	SSA.-	-		S059	12AXD-38	59	059-2	2		CVVUCR	33	211121 J031	021	1S	1S
015	SPIRE SSW Ch25-28 . 26-	SSA.-	-		S059	12AXD-38	59	059-2	2		CVVUCR	33	211121 J031	020	1S	1S
013	SPIRE SSW Ch25-28 . 26gnd	SSA.-	-		S059	12AXD-38	59	059-2	2		CVVUCR	33	211121 J031	005	1S	1S
-																
003	SPIRE SSW Ch25-28 . 27+	SSA.-	-		S059	12AXD-38	59	059-3	3		CVVUCR	33	211121 J031	031	1S	1S
016	SPIRE SSW Ch25-28 . 27-	SSA.-	-		S059	12AXD-38	59	059-3	3		CVVUCR	33	211121 J031	043	1S	1S
013	SPIRE SSW Ch25-28 . 27gnd	SSA.-	-		S059	12AXD-38	59	059-3	3		CVVUCR	33	211121 J031	005	1S	1S
-																
004	SPIRE SSW Ch25-28 . 28+	SSA.-	-		S059	12AXD-38	59	059-4	4		CVVUCR	33	211121 J031	042	1S	1S
017	SPIRE SSW Ch25-28 . 28-	SSA.-	-		S059	12AXD-38	59	059-4	4		CVVUCR	33	211121 J031	054	1S	1S
013	SPIRE SSW Ch25-28 . 28gnd	SSA.-	-		S059	12AXD-38	59	059-4	4		CVVUCR	33	211121 J031	005	1S	1S
-																1S
013	SPIRE SSW Ch25-28 . SHD59	SSA.-	-		S059	12AXD-38	59			CIS-S059	CVVUCR	33	211121 J031	005	1S	1S
CH	SPIRE SSW Ch25-28 . COS59	SSA.-	-		S059	12AXD-38	59			COS-S059 con to CH	CVVUCR	33	211121 J031	FCR	1S	1S
-																
005	SPIRE SSW Ch29-32 . 29+	SSA.-	-		S060	12AXD-38	60	060-1	5		CVVUCR	33	211121 J031	010	1S	1S
018	SPIRE SSW Ch29-32 . 29-	SSA.-	-		S060	12AXD-38	60	060-1	5		CVVUCR	33	211121 J031	011	1S	1S
013	SPIRE SSW Ch29-32 . 29gnd	SSA.-	-		S060	12AXD-38	60	060-1	5		CVVUCR	33	211121 J031	005	1S	1S
-																
006	SPIRE SSW Ch29-32 . 30+	SSA.-	-		S060	12AXD-38	60	060-2	6		CVVUCR	33	211121 J031	019	1S	1S
019	SPIRE SSW Ch29-32 . 30-	SSA.-	-		S060	12AXD-38	60	060-2	6		CVVUCR	33	211121 J031	029	1S	1S
013	SPIRE SSW Ch29-32 . 30gnd	SSA.-	-		S060	12AXD-38	60	060-2	6		CVVUCR	33	211121 J031	005	1S	1S
-																
020	SPIRE SSW Ch29-32 . 31+	SSA.-	-		S060	12AXD-38	60	060-3	7		CVVUCR	33	211121 J031	041	1S	1S
007	SPIRE SSW Ch29-32 . 31-	SSA.-	-		S060	12AXD-38	60	060-3	7		CVVUCR	33	211121 J031	030	1S	1S
013	SPIRE SSW Ch29-32 . 31gnd	SSA.-	-		S060	12AXD-38	60	060-3	7		CVVUCR	33	211121 J031	005	1S	1S
-																
021	SPIRE SSW Ch29-32 . 32+	SSA.-	-		S060	12AXD-38	60	060-4	8		CVVUCR	33	211121 J031	053	1S	1S
008	SPIRE SSW Ch29-32 . 32-	SSA.-	-		S060	12AXD-38	60	060-4	8		CVVUCR	33	211121 J031	052	1S	1S
013	SPIRE SSW Ch29-32 . 32gnd	SSA.-	-		S060	12AXD-38	60	060-4	8		CVVUCR	33	211121 J031	005	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P004
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE SSW Ch29-32 . SHD60		SSA.-	-	S060	12AXD-38	60			CIS-S060	CVVUCR	33	211121 J031	005	1S 1S
CH	SPIRE SSW Ch29-32 . COS60		SSA.-	-	S060	12AXD-38	60			COS-S060 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
022	SPIRE SSW Ch33-36 . 33+		SSA.-	-	S062	12AXD-38	62	062-1	9		CVVUCR	33	211121 J031	009	1S 1S
009	SPIRE SSW Ch33-36 . 33-		SSA.-	-	S062	12AXD-38	62	062-1	9		CVVUCR	33	211121 J031	017	1S 1S
013	SPIRE SSW Ch33-36 . 33gnd		SSA.-	-	S062	12AXD-38	62	062-1	9		CVVUCR	33	211121 J031	005	1S 1S
-															
023	SPIRE SSW Ch33-36 . 34+		SSA.-	-	S062	12AXD-38	62	062-2	A		CVVUCR	33	211121 J031	018	1S 1S
010	SPIRE SSW Ch33-36 . 34-		SSA.-	-	S062	12AXD-38	62	062-2	A		CVVUCR	33	211121 J031	028	1S 1S
013	SPIRE SSW Ch33-36 . 34gnd		SSA.-	-	S062	12AXD-38	62	062-2	A		CVVUCR	33	211121 J031	005	1S 1S
-															
024	SPIRE SSW Ch33-36 . 35+		SSA.-	-	S062	12AXD-38	62	062-3	B		CVVUCR	33	211121 J031	016	1S 1S
011	SPIRE SSW Ch33-36 . 35-		SSA.-	-	S062	12AXD-38	62	062-3	B		CVVUCR	33	211121 J031	027	1S 1S
013	SPIRE SSW Ch33-36 . 35gnd		SSA.-	-	S062	12AXD-38	62	062-3	B		CVVUCR	33	211121 J031	005	1S 1S
-															
025	SPIRE SSW Ch33-36 . 36+		SSA.-	-	S062	12AXD-38	62	062-4	C		CVVUCR	33	211121 J031	040	1S 1S
012	SPIRE SSW Ch33-36 . 36-		SSA.-	-	S062	12AXD-38	62	062-4	C		CVVUCR	33	211121 J031	039	1S 1S
013	SPIRE SSW Ch33-36 . 36gnd		SSA.-	-	S062	12AXD-38	62	062-4	C		CVVUCR	33	211121 J031	005	1S 1S
-															1S
013	SPIRE SSW Ch33-36 . SHD62		SSA.-	-	S062	12AXD-38	62			CIS-S062	CVVUCR	33	211121 J031	005	1S 1S
CH	SPIRE SSW Ch33-36 . COS62		SSA.-	-	S062	12AXD-38	62			COS-S062 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121220 P003
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW Ch37-40 . 1+	SSA.-	-		S063	12AXD-38	63	063-1	1		CVVUCR	33	211121 J031	063	1S	1S
018	SPIRE SSW Ch37-40 . 1-	SSA.-	-		S063	12AXD-38	63	063-1	1		CVVUCR	33	211121 J031	075	1S	1S
013	SPIRE SSW Ch37-40 . 1gnd	SSA.-	-		S063	12AXD-38	63	063-1	1		CVVUCR	33	211121 J031	036	1S	1S
-																1S
006	SPIRE SSW Ch37-40 . 2+	SSA.-	-		S063	12AXD-38	63	063-2	2		CVVUCR	33	211121 J031	074	1S	1S
019	SPIRE SSW Ch37-40 . 2-	SSA.-	-		S063	12AXD-38	63	063-2	2		CVVUCR	33	211121 J031	073	1S	1S
013	SPIRE SSW Ch37-40 . 2gnd	SSA.-	-		S063	12AXD-38	63	063-2	2		CVVUCR	33	211121 J031	036	1S	1S
-																1S
020	SPIRE SSW Ch37-40 . 37+	SSA.-	-		S063	12AXD-38	63	063-3	3		CVVUCR	33	211121 J031	026	1S	1S
007	SPIRE SSW Ch37-40 . 37-	SSA.-	-		S063	12AXD-38	63	063-3	3		CVVUCR	33	211121 J031	037	1S	1S
013	SPIRE SSW Ch37-40 . 37gnd	SSA.-	-		S063	12AXD-38	63	063-3	3		CVVUCR	33	211121 J031	036	1S	1S
-																1S
021	SPIRE SSW Ch37-40 . 38+	SSA.-	-		S063	12AXD-38	63	063-4	4		CVVUCR	33	211121 J031	038	1S	1S
008	SPIRE SSW Ch37-40 . 38-	SSA.-	-		S063	12AXD-38	63	063-4	4		CVVUCR	33	211121 J031	049	1S	1S
013	SPIRE SSW Ch37-40 . 38gnd	SSA.-	-		S063	12AXD-38	63	063-4	4		CVVUCR	33	211121 J031	036	1S	1S
-																1S
013	SPIRE SSW Ch37-40 . SHD63	SSA.-	-		S063	12AXD-38	63			CIS-S063	CVVUCR	33	211121 J031	036	1S	1S
CH	SPIRE SSW Ch37-40 . COS63	SSA.-	-		S063	12AXD-38	63			COS-S063 con to CH	CVVUCR	33	211121 J031	FCR	1S	1S
-																
022	SPIRE SSW Ch41-42 . 39+	SSA.-	-		S064	12AXD-38	64	064-1	5		CVVUCR	33	211121 J031	048	1S	1S
009	SPIRE SSW Ch41-42 . 39-	SSA.-	-		S064	12AXD-38	64	064-1	5		CVVUCR	33	211121 J031	060	1S	1S
013	SPIRE SSW Ch41-42 . 39gnd	SSA.-	-		S064	12AXD-38	64	064-1	5		CVVUCR	33	211121 J031	036	1S	1S
-																1S
023	SPIRE SSW Ch41-42 . 40+	SSA.-	-		S064	12AXD-38	64	064-2	6		CVVUCR	33	211121 J031	059	1S	1S
010	SPIRE SSW Ch41-42 . 40-	SSA.-	-		S064	12AXD-38	64	064-2	6		CVVUCR	33	211121 J031	071	1S	1S
013	SPIRE SSW Ch41-42 . 40gnd	SSA.-	-		S064	12AXD-38	64	064-2	6		CVVUCR	33	211121 J031	036	1S	1S
-																
024	SPIRE SSW Ch41-42 . 41+	SSA.-	-		S064	12AXD-38	64	064-3	7		CVVUCR	33	211121 J031	050	1S	1S
011	SPIRE SSW Ch41-42 . 41-	SSA.-	-		S064	12AXD-38	64	064-3	7		CVVUCR	33	211121 J031	061	1S	1S
013	SPIRE SSW Ch41-42 . 41gnd	SSA.-	-		S064	12AXD-38	64	064-3	7		CVVUCR	33	211121 J031	036	1S	1S
-																1S
025	SPIRE SSW Ch41-42 . 42+	SSA.-	-		S064	12AXD-38	64	064-4	8		CVVUCR	33	211121 J031	062	1S	1S
012	SPIRE SSW Ch41-42 . 42-	SSA.-	-		S064	12AXD-38	64	064-4	8		CVVUCR	33	211121 J031	051	1S	1S
013	SPIRE SSW Ch41-42 . 42gnd	SSA.-	-		S064	12AXD-38	64	064-4	8		CVVUCR	33	211121 J031	036	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P003
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE SSW Ch41-42 . SHD64		SSA.-	-	S064	12AXD-38	64			CIS-S064	CVVUCR	33	211121 J031	036	1S 1S
CH	SPIRE SSW Ch41-42 . COS64		SSA.-	-	S064	12AXD-38	64			COS-S064 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														
-															
-	8 pins are NC														
-															
-	The following Pins are NC :														
	;001 ;002 ;003 ;004 ;014 ;015														
	;016 ;017														

Pin Allocation List (Harness)

Connector: 121220 P007
Item: HSJFS

Function / Bundle: Bolom.300 mK T.C. SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW PTC Ch's . 1+	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	095	1S	1S
018	SPIRE SSW PTC Ch's . 1-	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	084	1S	1S
013	SPIRE SSW PTC Ch's . 1gnd	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	082	1S	1S
-																
006	SPIRE SSW PTC Ch's . 2+	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	096	1S	1S
019	SPIRE SSW PTC Ch's . 2-	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	085	1S	1S
013	SPIRE SSW PTC Ch's . 2gnd	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	082	1S	1S
-																
020	SPIRE SSW PTC Ch's . 3+	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	106	1S	1S
007	SPIRE SSW PTC Ch's . 3-	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	107	1S	1S
013	SPIRE SSW PTC Ch's . 3gnd	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	082	1S	1S
-																
021	SPIRE SSW PTC Ch's . Res+	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	083	1S	1S
008	SPIRE SSW PTC Ch's . Res-	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	072	1S	1S
013	SPIRE SSW PTC Ch's . Rgnd	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	082	1S	1S
-																1S
013	SPIRE SSW PTC Ch's . SHD53	S3D.-	-		S053	12AXD-38	53			CIS-S053	CVVUCR	33	211121 J031	082	1S	1S
CH	SPIRE SSW PTC Ch's . COS53	S3D.-	-		S053	12AXD-38	53			COS-S053 con to CH	CVVUCR	33	211121 J031	FCR	1S	1S
-																1S
-	harness branch to be isolated from s/c structure															1S
-										No GND Wire at JFS side						1S
-																1S
-	16 pins are NC									The following Pins are NC :						
-										;001 ;002 ;003 ;004 ;009 ;010						
-										;011 ;012 ;014 ;015 ;016 ;017						
-										;022 ;023 ;024 ;025						

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 33 (of 666)

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Pin Allocation List (Harness)

Connector: 121220 P002
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SSW Ch13-16 . 13+	SSA.-	-		S055	12AXD-38	55	055-1	1		CVVUCR	33	211121 J031	086	1S	1S
014	SPIRE SSW Ch13-16 . 13-	SSA.-	-		S055	12AXD-38	55	055-1	1		CVVUCR	33	211121 J031	087	1S	1S
013	SPIRE SSW Ch13-16 . 13gnd	SSA.-	-		S055	12AXD-38	55	055-1	1		CVVUCR	33	211121 J031	128	1S	1S
-																
002	SPIRE SSW Ch13-16 . 14+	SSA.-	-		S055	12AXD-38	55	055-2	2		CVVUCR	33	211121 J031	097	1S	1S
015	SPIRE SSW Ch13-16 . 14-	SSA.-	-		S055	12AXD-38	55	055-2	2		CVVUCR	33	211121 J031	098	1S	1S
013	SPIRE SSW Ch13-16 . 14gnd	SSA.-	-		S055	12AXD-38	55	055-2	2		CVVUCR	33	211121 J031	128	1S	1S
-																
003	SPIRE SSW Ch13-16 . 15+	SSA.-	-		S055	12AXD-38	55	055-3	3		CVVUCR	33	211121 J031	108	1S	1S
016	SPIRE SSW Ch13-16 . 15-	SSA.-	-		S055	12AXD-38	55	055-3	3		CVVUCR	33	211121 J031	109	1S	1S
013	SPIRE SSW Ch13-16 . 15gnd	SSA.-	-		S055	12AXD-38	55	055-3	3		CVVUCR	33	211121 J031	128	1S	1S
-																
004	SPIRE SSW Ch13-16 . 16+	SSA.-	-		S055	12AXD-38	55	055-4	4		CVVUCR	33	211121 J031	116	1S	1S
017	SPIRE SSW Ch13-16 . 16-	SSA.-	-		S055	12AXD-38	55	055-4	4		CVVUCR	33	211121 J031	117	1S	1S
013	SPIRE SSW Ch13-16 . 16gnd	SSA.-	-		S055	12AXD-38	55	055-4	4		CVVUCR	33	211121 J031	128	1S	1S
-																1S
013	SPIRE SSW Ch13-16 . SHD55	SSA.-	-		S055	12AXD-38	55			CIS-S055	CVVUCR	33	211121 J031	128	1S	1S
CH	SPIRE SSW Ch13-16 . COS55	SSA.-	-		S055	12AXD-38	55			COS-S055 con to CH	CVVUCR	33	211121 J031	FCR	1S	1S
-																
005	SPIRE SSW Ch17-20 . 17+	SSA.-	-		S056	12AXD-38	56	056-1	5		CVVUCR	33	211121 J031	055	1S	1S
018	SPIRE SSW Ch17-20 . 17-	SSA.-	-		S056	12AXD-38	56	056-1	5		CVVUCR	33	211121 J031	066	1S	1S
013	SPIRE SSW Ch17-20 . 17gnd	SSA.-	-		S056	12AXD-38	56	056-1	5		CVVUCR	33	211121 J031	128	1S	1S
-																
006	SPIRE SSW Ch17-20 . 18+	SSA.-	-		S056	12AXD-38	56	056-2	6		CVVUCR	33	211121 J031	067	1S	1S
019	SPIRE SSW Ch17-20 . 18-	SSA.-	-		S056	12AXD-38	56	056-2	6		CVVUCR	33	211121 J031	078	1S	1S
013	SPIRE SSW Ch17-20 . 18gnd	SSA.-	-		S056	12AXD-38	56	056-2	6		CVVUCR	33	211121 J031	128	1S	1S
-																
020	SPIRE SSW Ch17-20 . 19+	SSA.-	-		S056	12AXD-38	56	056-3	7		CVVUCR	33	211121 J031	076	1S	1S
007	SPIRE SSW Ch17-20 . 19-	SSA.-	-		S056	12AXD-38	56	056-3	7		CVVUCR	33	211121 J031	077	1S	1S
013	SPIRE SSW Ch17-20 . 19gnd	SSA.-	-		S056	12AXD-38	56	056-3	7		CVVUCR	33	211121 J031	128	1S	1S
-																
021	SPIRE SSW Ch17-20 . 20+	SSA.-	-		S056	12AXD-38	56	056-4	8		CVVUCR	33	211121 J031	088	1S	1S
008	SPIRE SSW Ch17-20 . 20-	SSA.-	-		S056	12AXD-38	56	056-4	8		CVVUCR	33	211121 J031	089	1S	1S
013	SPIRE SSW Ch17-20 . 20gnd	SSA.-	-		S056	12AXD-38	56	056-4	8		CVVUCR	33	211121 J031	128	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P002
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE SSW Ch17-20 . SHD56		SSA.-	-	S056	12AXD-38	56			CIS-S056	CVVUCR	33	211121 J031	128	1S 1S
CH	SPIRE SSW Ch17-20 . COS56		SSA.-	-	S056	12AXD-38	56			COS-S056 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
022	SPIRE SSW Ch21-24 . 21+		SSA.-	-	S058	12AXD-38	58	058-1	9		CVVUCR	33	211121 J031	099	1S 1S
009	SPIRE SSW Ch21-24 . 21-		SSA.-	-	S058	12AXD-38	58	058-1	9		CVVUCR	33	211121 J031	100	1S 1S
013	SPIRE SSW Ch21-24 . 21gnd		SSA.-	-	S058	12AXD-38	58	058-1	9		CVVUCR	33	211121 J031	128	1S 1S
-															
023	SPIRE SSW Ch21-24 . 22+		SSA.-	-	S058	12AXD-38	58	058-2	A		CVVUCR	33	211121 J031	110	1S 1S
010	SPIRE SSW Ch21-24 . 22-		SSA.-	-	S058	12AXD-38	58	058-2	A		CVVUCR	33	211121 J031	111	1S 1S
013	SPIRE SSW Ch21-24 . 22gnd		SSA.-	-	S058	12AXD-38	58	058-2	A		CVVUCR	33	211121 J031	128	1S 1S
-															
024	SPIRE SSW Ch21-24 . 23+		SSA.-	-	S058	12AXD-38	58	058-3	B		CVVUCR	33	211121 J031	118	1S 1S
011	SPIRE SSW Ch21-24 . 23-		SSA.-	-	S058	12AXD-38	58	058-3	B		CVVUCR	33	211121 J031	119	1S 1S
013	SPIRE SSW Ch21-24 . 23gnd		SSA.-	-	S058	12AXD-38	58	058-3	B		CVVUCR	33	211121 J031	128	1S 1S
-															
025	SPIRE SSW Ch21-24 . 24+		SSA.-	-	S058	12AXD-38	58	058-4	C		CVVUCR	33	211121 J031	112	1S 1S
012	SPIRE SSW Ch21-24 . 24-		SSA.-	-	S058	12AXD-38	58	058-4	C		CVVUCR	33	211121 J031	120	1S 1S
013	SPIRE SSW Ch21-24 . 24gnd		SSA.-	-	S058	12AXD-38	58	058-4	C		CVVUCR	33	211121 J031	128	1S 1S
-															1S
013	SPIRE SSW Ch21-24 . SHD58		SSA.-	-	S058	12AXD-38	58			CIS-S058	CVVUCR	33	211121 J031	128	1S 1S
CH	SPIRE SSW Ch21-24 . COS58		SSA.-	-	S058	12AXD-38	58			COS-S058 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List (Harness)

Connector: 121220 P001
Item: HSJFS

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SSW Ch01-04 . 1+	SSA.-	-		S051	12AXD-38	51	051-1	1		CVVUCR	33	211121 J031	090	1S	1S
014	SPIRE SSW Ch01-04 . 1-	SSA.-	-		S051	12AXD-38	51	051-1	1		CVVUCR	33	211121 J031	079	1S	1S
013	SPIRE SSW Ch01-04 . 1gnd	SSA.-	-		S051	12AXD-38	51	051-1	1		CVVUCR	33	211121 J031	047	1S	1S
-																
002	SPIRE SSW Ch01-04 . 2+	SSA.-	-		S051	12AXD-38	51	051-2	2		CVVUCR	33	211121 J031	102	1S	1S
015	SPIRE SSW Ch01-04 . 2-	SSA.-	-		S051	12AXD-38	51	051-2	2		CVVUCR	33	211121 J031	101	1S	1S
013	SPIRE SSW Ch01-04 . 2gnd	SSA.-	-		S051	12AXD-38	51	051-2	2		CVVUCR	33	211121 J031	047	1S	1S
-																
003	SPIRE SSW Ch01-04 . 3+	SSA.-	-		S051	12AXD-38	51	051-3	3		CVVUCR	33	211121 J031	092	1S	1S
016	SPIRE SSW Ch01-04 . 3-	SSA.-	-		S051	12AXD-38	51	051-3	3		CVVUCR	33	211121 J031	091	1S	1S
013	SPIRE SSW Ch01-04 . 3gnd	SSA.-	-		S051	12AXD-38	51	051-3	3		CVVUCR	33	211121 J031	047	1S	1S
-																
004	SPIRE SSW Ch01-04 . 4+	SSA.-	-		S051	12AXD-38	51	051-4	4		CVVUCR	33	211121 J031	103	1S	1S
017	SPIRE SSW Ch01-04 . 4-	SSA.-	-		S051	12AXD-38	51	051-4	4		CVVUCR	33	211121 J031	113	1S	1S
013	SPIRE SSW Ch01-04 . 4gnd	SSA.-	-		S051	12AXD-38	51	051-4	4		CVVUCR	33	211121 J031	047	1S	1S
-																1S
013	SPIRE SSW Ch01-04 . SHD51	SSA.-	-		S051	12AXD-38	51			CIS-S051	CVVUCR	33	211121 J031	047	1S	1S
CH	SPIRE SSW Ch01-04 . COS51	SSA.-	-		S051	12AXD-38	51			COS-S051 con to CH	CVVUCR	33	211121 J031	FCR	1S	1S
-																
005	SPIRE SSW Ch05-08 . 5+	SSA.-	-		S052	12AXD-38	52	052-1	5		CVVUCR	33	211121 J031	058	1S	1S
018	SPIRE SSW Ch05-08 . 5-	SSA.-	-		S052	12AXD-38	52	052-1	5		CVVUCR	33	211121 J031	046	1S	1S
013	SPIRE SSW Ch05-08 . 5gnd	SSA.-	-		S052	12AXD-38	52	052-1	5		CVVUCR	33	211121 J031	047	1S	1S
-																
006	SPIRE SSW Ch05-08 . 6+	SSA.-	-		S052	12AXD-38	52	052-2	6		CVVUCR	33	211121 J031	068	1S	1S
019	SPIRE SSW Ch05-08 . 6-	SSA.-	-		S052	12AXD-38	52	052-2	6		CVVUCR	33	211121 J031	057	1S	1S
013	SPIRE SSW Ch05-08 . 6gnd	SSA.-	-		S052	12AXD-38	52	052-2	6		CVVUCR	33	211121 J031	047	1S	1S
-																
020	SPIRE SSW Ch05-08 . 7+	SSA.-	-		S052	12AXD-38	52	052-3	7		CVVUCR	33	211121 J031	069	1S	1S
007	SPIRE SSW Ch05-08 . 7-	SSA.-	-		S052	12AXD-38	52	052-3	7		CVVUCR	33	211121 J031	080	1S	1S
013	SPIRE SSW Ch05-08 . 7gnd	SSA.-	-		S052	12AXD-38	52	052-3	7		CVVUCR	33	211121 J031	047	1S	1S
-																
021	SPIRE SSW Ch05-08 . 8+	SSA.-	-		S052	12AXD-38	52	052-4	8		CVVUCR	33	211121 J031	070	1S	1S
008	SPIRE SSW Ch05-08 . 8-	SSA.-	-		S052	12AXD-38	52	052-4	8		CVVUCR	33	211121 J031	081	1S	1S
013	SPIRE SSW Ch05-08 . 8gnd	SSA.-	-		S052	12AXD-38	52	052-4	8		CVVUCR	33	211121 J031	047	1S	1S

Pin Allocation List (Harness)

Connector: 121220 P001

Function / Bundle: SSW Bolom. Sign. HSJFS SIH-XS-02

Conn.-Type: MWDM2L-25S-6C3-.630

Item: HSJFS

Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE SSW Ch05-08 . SHD52		SSA.-	-	S052	12AXD-38	52			CIS-S052	CVVUCR	33	211121 J031	047	1S 1S
CH	SPIRE SSW Ch05-08 . COS52		SSA.-	-	S052	12AXD-38	52			COS-S052 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
022	SPIRE SSW Ch09-12 . 9+		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	023	1S 1S
009	SPIRE SSW Ch09-12 . 9-		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	034	1S 1S
013	SPIRE SSW Ch09-12 . 9gnd		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	047	1S 1S
-															
023	SPIRE SSW Ch09-12 . 10+		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	033	1S 1S
010	SPIRE SSW Ch09-12 . 10-		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	045	1S 1S
013	SPIRE SSW Ch09-12 . 10gnd		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	047	1S 1S
-															
024	SPIRE SSW Ch09-12 . 11+		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	044	1S 1S
011	SPIRE SSW Ch09-12 . 11-		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	056	1S 1S
013	SPIRE SSW Ch09-12 . 11gnd		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	047	1S 1S
-															
025	SPIRE SSW Ch09-12 . 12+		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	022	1S 1S
012	SPIRE SSW Ch09-12 . 12-		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	032	1S 1S
013	SPIRE SSW Ch09-12 . 12gnd		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	047	1S 1S
-															1S
013	SPIRE SSW Ch09-12 . SHD54		SSA.-	-	S054	12AXD-38	54			CIS-S054	CVVUCR	33	211121 J031	047	1S 1S
CH	SPIRE SSW Ch09-12 . COS54		SSA.-	-	S054	12AXD-38	54			COS-S054 con to CH	CVVUCR	33	211121 J031	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														
-										No Gnd Wires in P01					

Pin Allocation List

(Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
090	SPIRE SSW Ch01-04 . 1+	SSA.-	-		S051	12AXD-38	51	051-1	1		HSJFS	76	121220 P001	001	1S	1S
079	SPIRE SSW Ch01-04 . 1-	SSA.-	-		S051	12AXD-38	51	051-1	1		HSJFS	76	121220 P001	014	1S	1S
047	SPIRE SSW Ch01-04 . 1gnd	SSA.-	-		S051	12AXD-38	51	051-1	1		HSJFS	76	121220 P001	013	1S	1S
-																1S
102	SPIRE SSW Ch01-04 . 2+	SSA.-	-		S051	12AXD-38	51	051-2	2		HSJFS	76	121220 P001	002	1S	1S
101	SPIRE SSW Ch01-04 . 2-	SSA.-	-		S051	12AXD-38	51	051-2	2		HSJFS	76	121220 P001	015	1S	1S
047	SPIRE SSW Ch01-04 . 2gnd	SSA.-	-		S051	12AXD-38	51	051-2	2		HSJFS	76	121220 P001	013	1S	1S
-																1S
092	SPIRE SSW Ch01-04 . 3+	SSA.-	-		S051	12AXD-38	51	051-3	3		HSJFS	76	121220 P001	003	1S	1S
091	SPIRE SSW Ch01-04 . 3-	SSA.-	-		S051	12AXD-38	51	051-3	3		HSJFS	76	121220 P001	016	1S	1S
047	SPIRE SSW Ch01-04 . 3gnd	SSA.-	-		S051	12AXD-38	51	051-3	3		HSJFS	76	121220 P001	013	1S	1S
-																1S
103	SPIRE SSW Ch01-04 . 4+	SSA.-	-		S051	12AXD-38	51	051-4	4		HSJFS	76	121220 P001	004	1S	1S
113	SPIRE SSW Ch01-04 . 4-	SSA.-	-		S051	12AXD-38	51	051-4	4		HSJFS	76	121220 P001	017	1S	1S
047	SPIRE SSW Ch01-04 . 4gnd	SSA.-	-		S051	12AXD-38	51	051-4	4		HSJFS	76	121220 P001	013	1S	1S
-																1S
047	SPIRE SSW Ch01-04 . SHD51	SSA.-	-		S051	12AXD-38	51			CIS-S051	HSJFS	76	121220 P001	013	1S	1S
FCR	SPIRE SSW Ch01-04 . COS51	SSA.-	-		S051	12AXD-38	51			COS-S051	HSJFS	76	121220 P001	CH	1S	1S
-																1S
058	SPIRE SSW Ch05-08 . 5+	SSA.-	-		S052	12AXD-38	52	052-1	5		HSJFS	76	121220 P001	005	1S	1S
046	SPIRE SSW Ch05-08 . 5-	SSA.-	-		S052	12AXD-38	52	052-1	5		HSJFS	76	121220 P001	018	1S	1S
047	SPIRE SSW Ch05-08 . 5gnd	SSA.-	-		S052	12AXD-38	52	052-1	5		HSJFS	76	121220 P001	013	1S	1S
-																1S
068	SPIRE SSW Ch05-08 . 6+	SSA.-	-		S052	12AXD-38	52	052-2	6		HSJFS	76	121220 P001	006	1S	1S
057	SPIRE SSW Ch05-08 . 6-	SSA.-	-		S052	12AXD-38	52	052-2	6		HSJFS	76	121220 P001	019	1S	1S
047	SPIRE SSW Ch05-08 . 6gnd	SSA.-	-		S052	12AXD-38	52	052-2	6		HSJFS	76	121220 P001	013	1S	1S
-																1S
069	SPIRE SSW Ch05-08 . 7+	SSA.-	-		S052	12AXD-38	52	052-3	7		HSJFS	76	121220 P001	020	1S	1S
080	SPIRE SSW Ch05-08 . 7-	SSA.-	-		S052	12AXD-38	52	052-3	7		HSJFS	76	121220 P001	007	1S	1S
047	SPIRE SSW Ch05-08 . 7gnd	SSA.-	-		S052	12AXD-38	52	052-3	7		HSJFS	76	121220 P001	013	1S	1S
-																1S
070	SPIRE SSW Ch05-08 . 8+	SSA.-	-		S052	12AXD-38	52	052-4	8		HSJFS	76	121220 P001	021	1S	1S
081	SPIRE SSW Ch05-08 . 8-	SSA.-	-		S052	12AXD-38	52	052-4	8		HSJFS	76	121220 P001	008	1S	1S
047	SPIRE SSW Ch05-08 . 8gnd	SSA.-	-		S052	12AXD-38	52	052-4	8		HSJFS	76	121220 P001	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
047	SPIRE SSW Ch05-08 . SHD52		SSA.-	-	S052	12AXD-38	52			CIS-S052	HSJFS	76	121220 P001	013	1S 1S
FCR	SPIRE SSW Ch05-08 . COS52		SSA.-	-	S052	12AXD-38	52			COS-S052	HSJFS	76	121220 P001	CH	1S 1S
-															1S
023	SPIRE SSW Ch09-12 . 9+		SSA.-	-	S054	12AXD-38	54	054-1	9		HSJFS	76	121220 P001	022	1S 1S
034	SPIRE SSW Ch09-12 . 9-		SSA.-	-	S054	12AXD-38	54	054-1	9		HSJFS	76	121220 P001	009	1S 1S
047	SPIRE SSW Ch09-12 . 9gnd		SSA.-	-	S054	12AXD-38	54	054-1	9		HSJFS	76	121220 P001	013	1S 1S
-															1S
033	SPIRE SSW Ch09-12 . 10+		SSA.-	-	S054	12AXD-38	54	054-2	A		HSJFS	76	121220 P001	023	1S 1S
045	SPIRE SSW Ch09-12 . 10-		SSA.-	-	S054	12AXD-38	54	054-2	A		HSJFS	76	121220 P001	010	1S 1S
047	SPIRE SSW Ch09-12 . 10gnd		SSA.-	-	S054	12AXD-38	54	054-2	A		HSJFS	76	121220 P001	013	1S 1S
-															1S
044	SPIRE SSW Ch09-12 . 11+		SSA.-	-	S054	12AXD-38	54	054-3	B		HSJFS	76	121220 P001	024	1S 1S
056	SPIRE SSW Ch09-12 . 11-		SSA.-	-	S054	12AXD-38	54	054-3	B		HSJFS	76	121220 P001	011	1S 1S
047	SPIRE SSW Ch09-12 . 11gnd		SSA.-	-	S054	12AXD-38	54	054-3	B		HSJFS	76	121220 P001	013	1S 1S
-															1S
022	SPIRE SSW Ch09-12 . 12+		SSA.-	-	S054	12AXD-38	54	054-4	C		HSJFS	76	121220 P001	025	1S 1S
032	SPIRE SSW Ch09-12 . 12-		SSA.-	-	S054	12AXD-38	54	054-4	C		HSJFS	76	121220 P001	012	1S 1S
047	SPIRE SSW Ch09-12 . 12gnd		SSA.-	-	S054	12AXD-38	54	054-4	C		HSJFS	76	121220 P001	013	1S 1S
-															1S
047	SPIRE SSW Ch09-12 . SHD54		SSA.-	-	S054	12AXD-38	54			CIS-S054	HSJFS	76	121220 P001	013	1S 1S
FCR	SPIRE SSW Ch09-12 . COS54		SSA.-	-	S054	12AXD-38	54			COS-S054	HSJFS	76	121220 P001	CH	1S 1S
-															1S
-															1S
086	SPIRE SSW Ch13-16 . 13+		SSA.-	-	S055	12AXD-38	55	055-1	D		HSJFS	76	121220 P002	001	1S 1S
087	SPIRE SSW Ch13-16 . 13-		SSA.-	-	S055	12AXD-38	55	055-1	D		HSJFS	76	121220 P002	014	1S 1S
128	SPIRE SSW Ch13-16 . 13gnd		SSA.-	-	S055	12AXD-38	55	055-1	D		HSJFS	76	121220 P002	013	1S 1S
-															1S
097	SPIRE SSW Ch13-16 . 14+		SSA.-	-	S055	12AXD-38	55	055-2	E		HSJFS	76	121220 P002	002	1S 1S
098	SPIRE SSW Ch13-16 . 14-		SSA.-	-	S055	12AXD-38	55	055-2	E		HSJFS	76	121220 P002	015	1S 1S
128	SPIRE SSW Ch13-16 . 14gnd		SSA.-	-	S055	12AXD-38	55	055-2	E		HSJFS	76	121220 P002	013	1S 1S
-															1S
108	SPIRE SSW Ch13-16 . 15+		SSA.-	-	S055	12AXD-38	55	055-3	F		HSJFS	76	121220 P002	003	1S 1S
109	SPIRE SSW Ch13-16 . 15-		SSA.-	-	S055	12AXD-38	55	055-3	F		HSJFS	76	121220 P002	016	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE SSW Ch13-16 . 15gnd		SSA.-	-	S055	12AXD-38	55	055-3	F		HSJFS	76	121220 P002	013	1S	1S
-																1S
116	SPIRE SSW Ch13-16 . 16+		SSA.-	-	S055	12AXD-38	55	055-4	G		HSJFS	76	121220 P002	004	1S	1S
117	SPIRE SSW Ch13-16 . 16-		SSA.-	-	S055	12AXD-38	55	055-4	G		HSJFS	76	121220 P002	017	1S	1S
128	SPIRE SSW Ch13-16 . 16gnd		SSA.-	-	S055	12AXD-38	55	055-4	G		HSJFS	76	121220 P002	013	1S	1S
-																1S
128	SPIRE SSW Ch13-16 . SHD55		SSA.-	-	S055	12AXD-38	55			CIS-S055	HSJFS	76	121220 P002	013	1S	1S
FCR	SPIRE SSW Ch13-16 . COS55		SSA.-	-	S055	12AXD-38	55			COS-S055	HSJFS	76	121220 P002	CH	1S	1S
-																1S
055	SPIRE SSW Ch17-20 . 17+		SSA.-	-	S056	12AXD-38	56	056-1	H		HSJFS	76	121220 P002	005	1S	1S
066	SPIRE SSW Ch17-20 . 17-		SSA.-	-	S056	12AXD-38	56	056-1	H		HSJFS	76	121220 P002	018	1S	1S
128	SPIRE SSW Ch17-20 . 17gnd		SSA.-	-	S056	12AXD-38	56	056-1	H		HSJFS	76	121220 P002	013	1S	1S
-																1S
067	SPIRE SSW Ch17-20 . 18+		SSA.-	-	S056	12AXD-38	56	056-2	J		HSJFS	76	121220 P002	006	1S	1S
078	SPIRE SSW Ch17-20 . 18-		SSA.-	-	S056	12AXD-38	56	056-2	J		HSJFS	76	121220 P002	019	1S	1S
128	SPIRE SSW Ch17-20 . 18gnd		SSA.-	-	S056	12AXD-38	56	056-2	J		HSJFS	76	121220 P002	013	1S	1S
-																1S
076	SPIRE SSW Ch17-20 . 19+		SSA.-	-	S056	12AXD-38	56	056-3	K		HSJFS	76	121220 P002	020	1S	1S
077	SPIRE SSW Ch17-20 . 19-		SSA.-	-	S056	12AXD-38	56	056-3	K		HSJFS	76	121220 P002	007	1S	1S
128	SPIRE SSW Ch17-20 . 19gnd		SSA.-	-	S056	12AXD-38	56	056-3	K		HSJFS	76	121220 P002	013	1S	1S
-																1S
088	SPIRE SSW Ch17-20 . 20+		SSA.-	-	S056	12AXD-38	56	056-4	L		HSJFS	76	121220 P002	021	1S	1S
089	SPIRE SSW Ch17-20 . 20-		SSA.-	-	S056	12AXD-38	56	056-4	L		HSJFS	76	121220 P002	008	1S	1S
128	SPIRE SSW Ch17-20 . 20gnd		SSA.-	-	S056	12AXD-38	56	056-4	L		HSJFS	76	121220 P002	013	1S	1S
-																1S
128	SPIRE SSW Ch17-20 . SHD56		SSA.-	-	S056	12AXD-38	56			CIS-S056	HSJFS	76	121220 P002	013	1S	1S
FCR	SPIRE SSW Ch17-20 . COS56		SSA.-	-	S056	12AXD-38	56			COS-S056	HSJFS	76	121220 P002	CH	1S	1S
-																1S
099	SPIRE SSW Ch21-24 . 21+		SSA.-	-	S058	12AXD-38	56	058-1	M		HSJFS	76	121220 P002	022	1S	1S
100	SPIRE SSW Ch21-24 . 21-		SSA.-	-	S058	12AXD-38	56	058-1	M		HSJFS	76	121220 P002	009	1S	1S
128	SPIRE SSW Ch21-24 . 21gnd		SSA.-	-	S058	12AXD-38	56	058-1	M		HSJFS	76	121220 P002	013	1S	1S
-																1S
110	SPIRE SSW Ch21-24 . 22+		SSA.-	-	S058	12AXD-38	58	058-2	N		HSJFS	76	121220 P002	023	1S	1S
111	SPIRE SSW Ch21-24 . 22-		SSA.-	-	S058	12AXD-38	58	058-2	N		HSJFS	76	121220 P002	010	1S	1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE SSW Ch21-24 . 22gnd		SSA.-	-	S058	12AXD-38	58	058-2	N		HSJFS	76	121220 P002	013	1S	1S
-																1S
118	SPIRE SSW Ch21-24 . 23+		SSA.-	-	S058	12AXD-38	58	058-3	P		HSJFS	76	121220 P002	024	1S	1S
119	SPIRE SSW Ch21-24 . 23-		SSA.-	-	S058	12AXD-38	58	058-3	P		HSJFS	76	121220 P002	011	1S	1S
128	SPIRE SSW Ch21-24 . 23gnd		SSA.-	-	S058	12AXD-38	58	058-3	P		HSJFS	76	121220 P002	013	1S	1S
-																1S
112	SPIRE SSW Ch21-24 . 24+		SSA.-	-	S058	12AXD-38	58	058-4	Q		HSJFS	76	121220 P002	025	1S	1S
120	SPIRE SSW Ch21-24 . 24-		SSA.-	-	S058	12AXD-38	58	058-4	Q		HSJFS	76	121220 P002	012	1S	1S
128	SPIRE SSW Ch21-24 . 24gnd		SSA.-	-	S058	12AXD-38	58	058-4	Q		HSJFS	76	121220 P002	013	1S	1S
-																1S
128	SPIRE SSW Ch21-24 . SHD58		SSA.-	-	S058	12AXD-38	58			CIS-S058	HSJFS	76	121220 P002	013	1S	1S
FCR	SPIRE SSW Ch21-24 . COS58		SSA.-	-	S058	12AXD-38	58			COS-S058	HSJFS	76	121220 P002	CH	1S	1S
-																1S
013	SPIRE SSW Ch25-28 . 25+		SSA.-	-	S059	12AXD-38	59	059-1	R		HSJFS	76	121220 P004	001	1S	1S
012	SPIRE SSW Ch25-28 . 25-		SSA.-	-	S059	12AXD-38	59	059-1	R		HSJFS	76	121220 P004	014	1S	1S
005	SPIRE SSW Ch25-28 . 25gnd		SSA.-	-	S059	12AXD-38	59	059-1	R		HSJFS	76	121220 P004	013	1S	1S
-																1S
021	SPIRE SSW Ch25-28 . 26+		SSA.-	-	S059	12AXD-38	59	059-2	S		HSJFS	76	121220 P004	002	1S	1S
020	SPIRE SSW Ch25-28 . 26-		SSA.-	-	S059	12AXD-38	59	059-2	S		HSJFS	76	121220 P004	015	1S	1S
005	SPIRE SSW Ch25-28 . 26gnd		SSA.-	-	S059	12AXD-38	59	059-2	S		HSJFS	76	121220 P004	013	1S	1S
-																1S
031	SPIRE SSW Ch25-28 . 27+		SSA.-	-	S059	12AXD-38	59	059-3	T		HSJFS	76	121220 P004	003	1S	1S
043	SPIRE SSW Ch25-28 . 27-		SSA.-	-	S059	12AXD-38	59	059-3	T		HSJFS	76	121220 P004	016	1S	1S
005	SPIRE SSW Ch25-28 . 27gnd		SSA.-	-	S059	12AXD-38	59	059-3	T		HSJFS	76	121220 P004	013	1S	1S
-																1S
042	SPIRE SSW Ch25-28 . 28+		SSA.-	-	S059	12AXD-38	59	059-4	U		HSJFS	76	121220 P004	004	1S	1S
054	SPIRE SSW Ch25-28 . 28-		SSA.-	-	S059	12AXD-38	59	059-4	U		HSJFS	76	121220 P004	017	1S	1S
005	SPIRE SSW Ch25-28 . 28gnd		SSA.-	-	S059	12AXD-38	59	059-4	U		HSJFS	76	121220 P004	013	1S	1S
-																1S
005	SPIRE SSW Ch25-28 . SHD59		SSA.-	-	S059	12AXD-38	59			CIS-S059	HSJFS	76	121220 P004	013	1S	1S
FCR	SPIRE SSW Ch25-28 . COS59		SSA.-	-	S059	12AXD-38	59			COS-S059	HSJFS	76	121220 P004	CH	1S	1S
-																1S
010	SPIRE SSW Ch29-32 . 29+		SSA.-	-	S060	12AXD-38	60	060-1	V		HSJFS	76	121220 P004	005	1S	1S
011	SPIRE SSW Ch29-32 . 29-		SSA.-	-	S060	12AXD-38	60	060-1	V		HSJFS	76	121220 P004	018	1S	1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW Ch29-32 . 29gnd		SSA.-	-	S060	12AXD-38	60	060-1	V		HSJFS	76	121220 P004	013	1S	1S
-																1S
019	SPIRE SSW Ch29-32 . 30+		SSA.-	-	S060	12AXD-38	60	060-2	W		HSJFS	76	121220 P004	006	1S	1S
029	SPIRE SSW Ch29-32 . 30-		SSA.-	-	S060	12AXD-38	60	060-2	W		HSJFS	76	121220 P004	019	1S	1S
005	SPIRE SSW Ch29-32 . 30gnd		SSA.-	-	S060	12AXD-38	60	060-2	W		HSJFS	76	121220 P004	013	1S	1S
-																1S
041	SPIRE SSW Ch29-32 . 31+		SSA.-	-	S060	12AXD-38	60	060-3	X		HSJFS	76	121220 P004	020	1S	1S
030	SPIRE SSW Ch29-32 . 31-		SSA.-	-	S060	12AXD-38	60	060-3	X		HSJFS	76	121220 P004	007	1S	1S
005	SPIRE SSW Ch29-32 . 31gnd		SSA.-	-	S060	12AXD-38	60	060-3	X		HSJFS	76	121220 P004	013	1S	1S
-																1S
053	SPIRE SSW Ch29-32 . 32+		SSA.-	-	S060	12AXD-38	60	060-4	Y		HSJFS	76	121220 P004	021	1S	1S
052	SPIRE SSW Ch29-32 . 32-		SSA.-	-	S060	12AXD-38	60	060-4	Y		HSJFS	76	121220 P004	008	1S	1S
005	SPIRE SSW Ch29-32 . 32gnd		SSA.-	-	S060	12AXD-38	60	060-4	Y		HSJFS	76	121220 P004	013	1S	1S
-																1S
005	SPIRE SSW Ch29-32 . SHD60		SSA.-	-	S060	12AXD-38	60			CIS-S060	HSJFS	76	121220 P004	013	1S	1S
FCR	SPIRE SSW Ch29-32 . COS60		SSA.-	-	S060	12AXD-38	60			COS-S060	HSJFS	76	121220 P004	CH	1S	1S
-																1S
009	SPIRE SSW Ch33-36 . 33+		SSA.-	-	S062	12AXD-38	62	062-1	Z		HSJFS	76	121220 P004	022	1S	1S
017	SPIRE SSW Ch33-36 . 33-		SSA.-	-	S062	12AXD-38	62	062-1	Z		HSJFS	76	121220 P004	009	1S	1S
005	SPIRE SSW Ch33-36 . 33gnd		SSA.-	-	S062	12AXD-38	62	062-1	Z		HSJFS	76	121220 P004	013	1S	1S
-																1S
018	SPIRE SSW Ch33-36 . 34+		SSA.-	-	S062	12AXD-38	62	062-2	a		HSJFS	76	121220 P004	023	1S	1S
028	SPIRE SSW Ch33-36 . 34-		SSA.-	-	S062	12AXD-38	62	062-2	a		HSJFS	76	121220 P004	010	1S	1S
005	SPIRE SSW Ch33-36 . 34gnd		SSA.-	-	S062	12AXD-38	62	062-2	a		HSJFS	76	121220 P004	013	1S	1S
-																1S
016	SPIRE SSW Ch33-36 . 35+		SSA.-	-	S062	12AXD-38	62	062-3	b		HSJFS	76	121220 P004	024	1S	1S
027	SPIRE SSW Ch33-36 . 35-		SSA.-	-	S062	12AXD-38	62	062-3	b		HSJFS	76	121220 P004	011	1S	1S
005	SPIRE SSW Ch33-36 . 35gnd		SSA.-	-	S062	12AXD-38	62	062-3	b		HSJFS	76	121220 P004	013	1S	1S
-																1S
040	SPIRE SSW Ch33-36 . 36+		SSA.-	-	S062	12AXD-38	62	062-4	c		HSJFS	76	121220 P004	025	1S	1S
039	SPIRE SSW Ch33-36 . 36-		SSA.-	-	S062	12AXD-38	62	062-4	c		HSJFS	76	121220 P004	012	1S	1S
005	SPIRE SSW Ch33-36 . 36gnd		SSA.-	-	S062	12AXD-38	62	062-4	c		HSJFS	76	121220 P004	013	1S	1S
-																1S
005	SPIRE SSW Ch33-36 . SHD62		SSA.-	-	S062	12AXD-38	62			CIS-S062	HSJFS	76	121220 P004	013	1S	1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
FCR	SPIRE SSW Ch33-36 . COS62		SSA.-	-	S062	12AXD-38	62			COS-S062	HSJFS	76	121220 P004	CH	1S 1S
-															1S
063	SPIRE SSW Ch37-40 . 1+		SSA.-	-	S063	12AXD-38	63	063-1	d		HSJFS	76	121220 P003	005	1S 1S
075	SPIRE SSW Ch37-40 . 1-		SSA.-	-	S063	12AXD-38	63	063-1	d		HSJFS	76	121220 P003	018	1S 1S
036	SPIRE SSW Ch37-40 . 1gnd		SSA.-	-	S063	12AXD-38	63	063-1	d		HSJFS	76	121220 P003	013	1S 1S
-															1S
074	SPIRE SSW Ch37-40 . 2+		SSA.-	-	S063	12AXD-38	63	063-2	e		HSJFS	76	121220 P003	006	1S 1S
073	SPIRE SSW Ch37-40 . 2-		SSA.-	-	S063	12AXD-38	63	063-2	e		HSJFS	76	121220 P003	019	1S 1S
036	SPIRE SSW Ch37-40 . 2gnd		SSA.-	-	S063	12AXD-38	63	063-2	e		HSJFS	76	121220 P003	013	1S 1S
-															1S
026	SPIRE SSW Ch37-40 . 37+		SSA.-	-	S063	12AXD-38	63	063-3	f		HSJFS	76	121220 P003	020	1S 1S
037	SPIRE SSW Ch37-40 . 37-		SSA.-	-	S063	12AXD-38	63	063-3	f		HSJFS	76	121220 P003	007	1S 1S
036	SPIRE SSW Ch37-40 . 37gnd		SSA.-	-	S063	12AXD-38	63	063-3	f		HSJFS	76	121220 P003	013	1S 1S
-															1S
038	SPIRE SSW Ch37-40 . 38+		SSA.-	-	S063	12AXD-38	63	063-4	g		HSJFS	76	121220 P003	021	1S 1S
049	SPIRE SSW Ch37-40 . 38-		SSA.-	-	S063	12AXD-38	63	063-4	g		HSJFS	76	121220 P003	008	1S 1S
036	SPIRE SSW Ch37-40 . 38gnd		SSA.-	-	S063	12AXD-38	63	063-4	g		HSJFS	76	121220 P003	013	1S 1S
-															1S
036	SPIRE SSW Ch37-40 . SHD63		SSA.-	-	S063	12AXD-38	63			CIS-S063	HSJFS	76	121220 P003	013	1S 1S
FCR	SPIRE SSW Ch37-40 . COS63		SSA.-	-	S063	12AXD-38	63			COS-S063	HSJFS	76	121220 P003	CH	1S 1S
-															1S
048	SPIRE SSW Ch41-42 . 39+		SSA.-	-	S064	12AXD-38	64	064-1	h		HSJFS	76	121220 P003	022	1S 1S
060	SPIRE SSW Ch41-42 . 39-		SSA.-	-	S064	12AXD-38	64	0641	h		HSJFS	76	121220 P003	009	1S 1S
036	SPIRE SSW Ch41-42 . 39gnd		SSA.-	-	S064	12AXD-38	64	064-1	h		HSJFS	76	121220 P003	013	1S 1S
-															1S
059	SPIRE SSW Ch41-42 . 40+		SSA.-	-	S064	12AXD-38	64	064-2	j		HSJFS	76	121220 P003	023	1S 1S
071	SPIRE SSW Ch41-42 . 40-		SSA.-	-	S064	12AXD-38	64	064-2	j		HSJFS	76	121220 P003	010	1S 1S
036	SPIRE SSW Ch41-42 . 40gnd		SSA.-	-	S064	12AXD-38	64	064-2	j		HSJFS	76	121220 P003	013	1S 1S
-															1S
050	SPIRE SSW Ch41-42 . 41+		SSA.-	-	S064	12AXD-38	64	064-3	k		HSJFS	76	121220 P003	024	1S 1S
061	SPIRE SSW Ch41-42 . 41-		SSA.-	-	S064	12AXD-38	64	064-3	k		HSJFS	76	121220 P003	011	1S 1S
036	SPIRE SSW Ch41-42 . 41gnd		SSA.-	-	S064	12AXD-38	64	064-3	k		HSJFS	76	121220 P003	013	1S 1S
-															1S
062	SPIRE SSW Ch41-42 . 42+		SSA.-	-	S064	12AXD-38	64	064-4	m		HSJFS	76	121220 P003	025	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
051	SPIRE SSW Ch41-42 . 42-	SSA.-	-		S064	12AXD-38	64	064-4	m		HSJFS	76	121220 P003	012	1S	1S
036	SPIRE SSW Ch41-42 . 42gnd	SSA.-	-		S064	12AXD-38	64	064-4	m		HSJFS	76	121220 P003	013	1S	1S
-																1S
036	SPIRE SSW Ch41-42 . SHD64	SSA.-	-		S064	12AXD-38	64			CIS-S064	HSJFS	76	121220 P003	013	1S	1S
FCR	SPIRE SSW Ch41-42 . COS64	SSA.-	-		S064	12AXD-38	64			COS-S064	HSJFS	76	121220 P003	CH	1S	1S
-																1S
095	SPIRE SSW PTC Ch's . 1+	S3D.-	-		S053	12AXD-38	53	053-1	n		HSJFS	76	121220 P007	005	1S	1S
084	SPIRE SSW PTC Ch's . 1-	S3D.-	-		S053	12AXD-38	53	053-1	n		HSJFS	76	121220 P007	018	1S	1S
082	SPIRE SSW PTC Ch's . 1gnd	S3D.-	-		S053	12AXD-38	53	053-1	n		HSJFS	76	121220 P007	013	1S	1S
-																1S
096	SPIRE SSW PTC Ch's . 2+	S3D.-	-		S053	12AXD-38	53	053-2	p		HSJFS	76	121220 P007	006	1S	1S
085	SPIRE SSW PTC Ch's . 2-	S3D.-	-		S053	12AXD-38	53	053-2	p		HSJFS	76	121220 P007	019	1S	1S
082	SPIRE SSW PTC Ch's . 2gnd	S3D.-	-		S053	12AXD-38	53	053-2	p		HSJFS	76	121220 P007	013	1S	1S
-																1S
106	SPIRE SSW PTC Ch's . 3+	S3D.-	-		S053	12AXD-38	53	053-3	r		HSJFS	76	121220 P007	020	1S	1S
107	SPIRE SSW PTC Ch's . 3-	S3D.-	-		S053	12AXD-38	53	053-3	r		HSJFS	76	121220 P007	007	1S	1S
082	SPIRE SSW PTC Ch's . 3gnd	S3D.-	-		S053	12AXD-38	53	053-3	r		HSJFS	76	121220 P007	013	1S	1S
-																1S
083	SPIRE SSW PTC Ch's . Res+	S3D.-	-		S053	12AXD-38	53	053-4	r		HSJFS	76	121220 P007	021	1S	1S
072	SPIRE SSW PTC Ch's . Res-	S3D.-	-		S053	12AXD-38	53	053-4	r		HSJFS	76	121220 P007	008	1S	1S
082	SPIRE SSW PTC Ch's . Rgnd	S3D.-	-		S053	12AXD-38	53	053-4	r		HSJFS	76	121220 P007	013	1S	1S
-																1S
082	SPIRE SSW PTC Ch's . SHD53	S3D.-	-		S053	12AXD-38	53			CIS-S053	HSJFS	76	121220 P007	013	1S	1S
FCR	SPIRE SSW PTC Ch's . COS53	S3D.-	-		S053	12AXD-38	53			COS-S053	HSJFS	76	121220 P007	CH	1S	1S
-																1S
005	Interconnection Star Pin									Star Pin for Interconnection						1S
036	to be connected to pin 005		-													1S
047	to be connected to pin 005		-													1S
128	to be connected to pin 005		-													1S
-																1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															1S
-	CH to be isolated from FCR														1S
-															1S
-	harness branch to be isolated from s/c structure														1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List (Harness)

Connector: 121210 P025
Item: HSJFP

Function / Bundle: PSW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE PSW_JFETV1_A . A+	SPL.-	-		S176	022BS-38	76				CVVUCR	33	211121 J026	026	1S 1S
002	SPIRE PSW_JFETV1_A . A-	SPL.-	-		S176	022BS-38	76				CVVUCR	33	211121 J026	037	1S 1S
001	SPIRE PSW_JFETV1_A . SHD76	SPL.-	-		S176	022BS-38	76		CIS-S176		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV1_A . COS76	SPL.-	-		S176	022BS-38	76		COS-S176 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
003	SPIRE PSW_JFETV2_A . A+	SPL.-	-		S177	022BS-38	77				CVVUCR	33	211121 J026	038	1S 1S
022	SPIRE PSW_JFETV2_A . A-	SPL.-	-		S177	022BS-38	77				CVVUCR	33	211121 J026	049	1S 1S
021	SPIRE PSW_JFETV2_A . SHD77	SPL.-	-		S177	022BS-38	77		CIS-S177		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV2_A . COS77	SPL.-	-		S177	022BS-38	77		COS-S177 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
023	SPIRE PSW_JFETV3_A . A+	SPL.-	-		S178	022BS-38	78				CVVUCR	33	211121 J026	048	1S 1S
005	SPIRE PSW_JFETV3_A . A-	SPL.-	-		S178	022BS-38	78				CVVUCR	33	211121 J026	060	1S 1S
004	SPIRE PSW_JFETV3_A . SHD78	SPL.-	-		S178	022BS-38	78		CIS-S178		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV3_A . COS78	SPL.-	-		S178	022BS-38	78		COS-S178 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
006	SPIRE PSW_JFETV4_A . A+	SPL.-	-		S179	022BS-38	79				CVVUCR	33	211121 J026	059	1S 1S
025	SPIRE PSW_JFETV4_A . A-	SPL.-	-		S179	022BS-38	79				CVVUCR	33	211121 J026	071	1S 1S
024	SPIRE PSW_JFETV4_A . SHD79	SPL.-	-		S179	022BS-38	79		CIS-S179		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV4_A . COS79	SPL.-	-		S179	022BS-38	79		COS-S179 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
026	SPIRE PSW_JFETV5_A . A+	SPL.-	-		S180	022BS-38	80				CVVUCR	33	211121 J026	050	1S 1S
008	SPIRE PSW_JFETV5_A . A-	SPL.-	-		S180	022BS-38	80				CVVUCR	33	211121 J026	061	1S 1S
007	SPIRE PSW_JFETV5_A . SHD80	SPL.-	-		S180	022BS-38	80		CIS-S180		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV5_A . COS80	SPL.-	-		S180	022BS-38	80		COS-S180 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
009	SPIRE PSW_JFETV6_A . A+	SPL.-	-		S181	022BS-38	81				CVVUCR	33	211121 J026	062	1S 1S
028	SPIRE PSW_JFETV6_A . A-	SPL.-	-		S181	022BS-38	81				CVVUCR	33	211121 J026	051	1S 1S
027	SPIRE PSW_JFETV6_A . SHD81	SPL.-	-		S181	022BS-38	81		CIS-S181		CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_JFETV6_A . COS81	SPL.-	-		S181	022BS-38	81		COS-S181 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
011	SPIRE PSW_Bias1/2_A . A+	SPK.-	-		S183	022BS-38	83				CVVUCR	33	211121 J026	063	1S 1S
029	SPIRE PSW_Bias1/2_A . A-	SPK.-	-		S183	022BS-38	83				CVVUCR	33	211121 J026	075	1S 1S
030	SPIRE PSW_Bias1/2_A . SHD83	SPK.-	-		S183	022BS-38	83		CIS-S183		CVVUCR	33	211121 J026	036	1S 1S

Pin Allocation List (Harness)

Connector: 121210 P025
Item: HSJFP

Function / Bundle: PSW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	SPIRE PSW_Bias1/2_A . COS83		SPK.-	-	S183	022BS-38	83			COS-S183 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
031	SPIRE PSW_Bias3/4_A . A+		SPK.-	-	S184	022BS-38	84				CVVUCR	33	211121 J026	074	1S 1S
012	SPIRE PSW_Bias3/4_A . A-		SPK.-	-	S184	022BS-38	84				CVVUCR	33	211121 J026	073	1S 1S
013	SPIRE PSW_Bias3/4_A . SHD84		SPK.-	-	S184	022BS-38	84			CIS-S184	CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_Bias3/4_A . COS84		SPK.-	-	S184	022BS-38	84			COS-S184 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
014	SPIRE PSW_Bias5/6_A . A+		SPK.-	-	S185	022BS-38	85				CVVUCR	33	211121 J026	083	1S 1S
032	SPIRE PSW_Bias5/6_A . A-		SPK.-	-	S185	022BS-38	85				CVVUCR	33	211121 J026	072	1S 1S
033	SPIRE PSW_Bias5/6_A . SHD85		SPK.-	-	S185	022BS-38	85			CIS-S185	CVVUCR	33	211121 J026	036	1S 1S
CH	SPIRE PSW_Bias5/6_A . COS85		SPK.-	-	S185	022BS-38	85			COS-S185 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
034	SPIRE PSW_Heater_A1 . A1+		SPM.-	-	S186	021SS-38	86				CVVUCR	33	211121 J026	095	1S 1S
015	SPIRE PSW_Heater_A1 . A1-		SPM.-	-	S186	021SS-38	86				CVVUCR	33	211121 J026	084	1S 1S
016	SPIRE PSW_Heater_A1 . SHD86		SPM.-	-	S186	021SS-38	86			CS-S186	CVVUCR	33	211121 J026	105	1S 1S
-															
017	SPIRE PSW_Heater_A2 . A2+		SPM.-	-	S187	021SS-38	87				CVVUCR	33	211121 J026	096	1S 1S
035	SPIRE PSW_Heater_A2 . A2-		SPM.-	-	S187	021SS-38	87				CVVUCR	33	211121 J026	085	1S 1S
036	SPIRE PSW_Heater_A2 . SHD87		SPM.-	-	S187	021SS-38	87			CS-S187	CVVUCR	33	211121 J026	105	1S 1S
-															
037	SPIRE PSW_Heater_A3 . A3+		SPM.-	-	S188	021SS-38	88				CVVUCR	33	211121 J026	106	1S 1S
018	SPIRE PSW_Heater_A3 . A3-		SPM.-	-	S188	021SS-38	88				CVVUCR	33	211121 J026	107	1S 1S
036	SPIRE PSW_Heater_A3 . SHD88		SPM.-	-	S188	021SS-38	88			CS-S188	CVVUCR	33	211121 J026	105	1S 1S
-															1S
010	Interconnection Star Pin									Star Pin for Interconnection					1S
001	to be con to pin 010														1S
004	to be con to pin 010														1S
007	to be con to pin 010														1S
013	to be con to pin 010														1S
021	to be con to pin 010														1S
024	to be con to pin 010														1S
027	to be con to pin 010														1S
030	to be con to pin 010														1S
033	to be con to pin 010														1S

Pin Allocation List (Harness)

Connector: 121210 P025
Item: HSJFP

Function / Bundle: PSW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	Inteerconnection Star Pin									Start pin for Interconnection					1S
016	to be con to pin 036														1S
-															1S
-	1 pin is NC									The following Pin is NC :					
-	-									;019					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 121210 P027
Item: HSJFP

Function / Bundle: PMW/PLW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE PMW_JFETV1_A . A+		SPH.-	-	S190	022BS-38	90				CVVUCR	33	211121 J026	086	1S 1S
002	SPIRE PMW_JFETV1_A . A-		SPH.-	-	S190	022BS-38	90				CVVUCR	33	211121 J026	087	1S 1S
001	SPIRE PMW_JFETV1_A . SHD90		SPH.-	-	S190	022BS-38	90		CIS-S190		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_JFETV1_A . COS90		SPH.-	-	S190	022BS-38	90		COS-S190 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
003	SPIRE PMW_JFETV2_A . A+		SPH.-	-	S191	022BS-38	91				CVVUCR	33	211121 J026	097	1S 1S
022	SPIRE PMW_JFETV2_A . A-		SPH.-	-	S191	022BS-38	91				CVVUCR	33	211121 J026	098	1S 1S
021	SPIRE PMW_JFETV2_A . SHD91		SPH.-	-	S191	022BS-38	91		CIS-S191		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_JFETV2_A . COS91		SPH.-	-	S191	022BS-38	91		COS-S191 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
023	SPIRE PMW_JFETV3_A . A+		SPH.-	-	S192	022BS-38	92				CVVUCR	33	211121 J026	108	1S 1S
005	SPIRE PMW_JFETV3_A . A-		SPH.-	-	S192	022BS-38	92				CVVUCR	33	211121 J026	109	1S 1S
004	SPIRE PMW_JFETV3_A . SHD92		SPH.-	-	S192	022BS-38	92		CIS-S192		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_JFETV3_A . COS92		SPH.-	-	S192	022BS-38	92		COS-S192 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
006	SPIRE PMW_JFETV4_A . A+		SPH.-	-	S193	022BS-38	93				CVVUCR	33	211121 J026	116	1S 1S
025	SPIRE PMW_JFETV4_A . A-		SPH.-	-	S193	022BS-38	93				CVVUCR	33	211121 J026	117	1S 1S
024	SPIRE PMW_JFETV4_A . SHD93		SPH.-	-	S193	022BS-38	93		CIS-S193		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_JFETV4_A . COS93		SPH.-	-	S193	022BS-38	93		COS-S193 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
026	SPIRE PMW_Bias1/2_A . A+		SPG.-	-	S194	022BS-38	94				CVVUCR	33	211121 J026	076	1S 1S
008	SPIRE PMW_Bias1/2_A . A-		SPG.-	-	S194	022BS-38	94				CVVUCR	33	211121 J026	077	1S 1S
007	SPIRE PMW_Bias1/2_A . SHD94		SPG.-	-	S194	022BS-38	94		CIS-S194		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_Bias1/2_A . COS94		SPG.-	-	S194	022BS-38	94		COS-S194 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
027	SPIRE PMW_Bias3/4_A . A+		SPG.-	-	S195	022BS-38	95				CVVUCR	33	211121 J026	088	1S 1S
009	SPIRE PMW_Bias3/4_A . A-		SPG.-	-	S195	022BS-38	95				CVVUCR	33	211121 J026	089	1S 1S
028	SPIRE PMW_Bias3/4_A . SHD95		SPG.-	-	S195	022BS-38	95		CIS-S195		CVVUCR	33	211121 J026	064	1S 1S
CH	SPIRE PMW_Bias3/4_A . COS95		SPG.-	-	S195	022BS-38	95		COS-S195 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
029	SPIRE PMW_Heater_A1 . A1+		SPJ.-	-	S197	021SS-38	97				CVVUCR	33	211121 J026	103	1S 1S
010	SPIRE PMW_Heater_A1 . A1-		SPJ.-	-	S197	021SS-38	97				CVVUCR	33	211121 J026	113	1S 1S
011	SPIRE PMW_Heater_A1 . SHD97		SPJ.-	-	S197	021SS-38	97		CS-S197		CVVUCR	33	211121 J026	114	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 121210 P027
Item: HSJFP

Function / Bundle: PMW/PLW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
012	SPIRE PMW_Heater_A2 . A2+		SPJ.-	-	S198	021SS-38	98				CVVUCR	33	211121 J026	102	1S	1S
030	SPIRE PMW_Heater_A2 . A2-		SPJ.-	-	S198	021SS-38	98				CVVUCR	33	211121 J026	101	1S	1S
011	SPIRE PMW_Heater_A2 . SHD98		SPJ.-	-	S198	021SS-38	98		CS-S198		CVVUCR	33	211121 J026	114	1S	1S
-																
013	SPIRE PLW_Heater_A . A+		SPF.-	-	S199	021SS-38	99				CVVUCR	33	211121 J026	092	1S	1S
031	SPIRE PLW_Heater_A . A-		SPF.-	-	S199	021SS-38	99				CVVUCR	33	211121 J026	104	1S	1S
011	SPIRE PLW_Heater_A . SHD99		SPF.-	-	S199	021SS-38	99		CS-S199		CVVUCR	33	211121 J026	093	1S	1S
-																
014	SPIRE PLW_JFETV1_A . A+		SPE.-	-	S200	022BS-38	33				CVVUCR	33	211121 J026	099	1S	1S
032	SPIRE PLW_JFETV1_A . A-		SPE.-	-	S200	022BS-38	33				CVVUCR	33	211121 J026	100	1S	1S
033	SPIRE PLW_JFETV1_A . SHD33		SPE.-	-	S200	022BS-38	33		CIS-S200		CVVUCR	33	211121 J026	128	1S	1S
CH	SPIRE PLW_JFETV1_A . COS33		SPE.-	-	S200	022BS-38	33		COS-S200 con to CH		CVVUCR	33	211121 J026	FCR	1S	1S
-																
034	SPIRE PLW_JFETV2_A . A+		SPE.-	-	S201	022BS-38	1				CVVUCR	33	211121 J026	110	1S	1S
015	SPIRE PLW_JFETV2_A . A-		SPE.-	-	S201	022BS-38	1				CVVUCR	33	211121 J026	111	1S	1S
016	SPIRE PLW_JFETV2_A . SHD01		SPE.-	-	S201	022BS-38	1		CIS-S201		CVVUCR	33	211121 J026	128	1S	1S
CH	SPIRE PLW_JFETV2_A . COS01		SPE.-	-	S201	022BS-38	1		COS-S201 con to CH		CVVUCR	33	211121 J026	FCR	1S	1S
-																
017	SPIRE PLW_Bias1_A . A+		SPD.-	-	S202	022BS-38	2				CVVUCR	33	211121 J026	118	1S	1S
035	SPIRE PLW_Bias1_A . A-		SPD.-	-	S202	022BS-38	2				CVVUCR	33	211121 J026	119	1S	1S
036	SPIRE PLW_Bias1_A . SHD02		SPD.-	-	S202	022BS-38	2		CIS-S202		CVVUCR	33	211121 J026	128	1S	1S
CH	SPIRE PLW_Bias1_A . COS02		SPD.-	-	S202	022BS-38	2		COS-S202 con to CH		CVVUCR	33	211121 J026	FCR	1S	1S
-																
037	SPIRE PLW_Bias2_A . A+		SPD.-	-	S203	022BS-38	3				CVVUCR	33	211121 J026	112	1S	1S
018	SPIRE PLW_Bias2_A . A-		SPD.-	-	S203	022BS-38	3				CVVUCR	33	211121 J026	120	1S	1S
019	SPIRE PLW_Bias2_A . SHD03		SPD.-	-	S203	022BS-38	3		CIS-S203		CVVUCR	33	211121 J026	128	1S	1S
CH	SPIRE PLW_Bias2_A . COS03		SPD.-	-	S203	022BS-38	3		COS-S203 con to CH		CVVUCR	33	211121 J026	FCR	1S	1S
-																
019	Interconnection Star Pin								Star Pin for Interconnection						1S	
016	to be con to pin 019														1S	
033	to be con to pin 019														1S	
036	to be con to pin 019														1S	
-															1S	
028	Interconnection Star pin								Star pin for Interconnection						1S	

Pin Allocation List (Harness)

Connector: 121210 P027
Item: HSJFP

Function / Bundle: PMW/PLW Bias Prime -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	to be con to pin 028														1S
004	to be con to pin 028														1S
007	to be con to pin 028														1S
021	to be con to pin 028														1S
024	to be con to pin 028														1S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 121210 P026
Item: HSJFP

Function / Bundle: PSW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE PSW_JFETV1_B . B+	SPL.-	-		S205	022BS-38	5				CVVUCR	33	211121 J026	042	1S 1S
002	SPIRE PSW_JFETV1_B . B-	SPL.-	-		S205	022BS-38	5				CVVUCR	33	211121 J026	054	1S 1S
001	SPIRE PSW_JFETV1_B . SHD05	SPL.-	-		S205	022BS-38	5		CIS-S205		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV1_B . COS05	SPL.-	-		S205	022BS-38	5		COS-S205 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
003	SPIRE PSW_JFETV2_B . B+	SPL.-	-		S206	022BS-38	6				CVVUCR	33	211121 J026	053	1S 1S
022	SPIRE PSW_JFETV2_B . B-	SPL.-	-		S206	022BS-38	6				CVVUCR	33	211121 J026	052	1S 1S
021	SPIRE PSW_JFETV2_B . SHD06	SPL.-	-		S206	022BS-38	6		CIS-S206		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV2_B . COS06	SPL.-	-		S206	022BS-38	6		COS-S206 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
023	SPIRE PSW_JFETV3_B . B+	SPL.-	-		S207	022BS-38	7				CVVUCR	33	211121 J026	041	1S 1S
005	SPIRE PSW_JFETV3_B . B-	SPL.-	-		S207	022BS-38	7				CVVUCR	33	211121 J026	030	1S 1S
004	SPIRE PSW_JFETV3_B . SHD07	SPL.-	-		S207	022BS-38	7		CIS-S207		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV3_B . COS07	SPL.-	-		S207	022BS-38	7		COS-S207 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
006	SPIRE PSW_JFETV4_B . B+	SPL.-	-		S208	022BS-38	8				CVVUCR	33	211121 J026	010	1S 1S
025	SPIRE PSW_JFETV4_B . B-	SPL.-	-		S208	022BS-38	8				CVVUCR	33	211121 J026	011	1S 1S
024	SPIRE PSW_JFETV4_B . SHD08	SPL.-	-		S208	022BS-38	8		CIS-S208		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV4_B . COS08	SPL.-	-		S208	022BS-38	8		COS-S208 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
026	SPIRE PSW_JFETV5_B . B+	SPL.-	-		S209	022BS-38	9				CVVUCR	33	211121 J026	019	1S 1S
008	SPIRE PSW_JFETV5_B . B-	SPL.-	-		S209	022BS-38	9				CVVUCR	33	211121 J026	029	1S 1S
007	SPIRE PSW_JFETV5_B . SHD09	SPL.-	-		S209	022BS-38	9		CIS-S209		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV5_B . COS09	SPL.-	-		S209	022BS-38	9		COS-S209 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
009	SPIRE PSW_JFETV6_B . B+	SPL.-	-		S210	022BS-38	10				CVVUCR	33	211121 J026	016	1S 1S
028	SPIRE PSW_JFETV6_B . B-	SPL.-	-		S210	022BS-38	10				CVVUCR	33	211121 J026	027	1S 1S
027	SPIRE PSW_JFETV6_B . SHD10	SPL.-	-		S210	022BS-38	10		CIS-S210		CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_JFETV6_B . COS10	SPL.-	-		S210	022BS-38	10		COS-S210 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
011	SPIRE PSW_Bias1/2_B . B+	SPK.-	-		S212	022BS-38	12				CVVUCR	33	211121 J026	040	1S 1S
029	SPIRE PSW_Bias1/2_B . B-	SPK.-	-		S212	022BS-38	12				CVVUCR	33	211121 J026	039	1S 1S
030	SPIRE PSW_Bias1/2_B . SHD12	SPK.-	-		S212	022BS-38	12		CIS-S212		CVVUCR	33	211121 J026	001	1S 1S

Pin Allocation List

(Harness)

Connector: 121210 P026
Item: HSJFP

Function / Bundle: PSW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	SPIRE PSW_Bias1/2_B . COS12		SPK.-	-	S212	022BS-38	12			COS-S212 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
031	SPIRE PSW_Bias3/4_B . B+		SPK.-	-	S213	022BS-38	13				CVVUCR	33	211121 J026	018	1S 1S
012	SPIRE PSW_Bias3/4_B . B-		SPK.-	-	S213	022BS-38	13				CVVUCR	33	211121 J026	028	1S 1S
013	SPIRE PSW_Bias3/4_B . SHD13		SPK.-	-	S213	022BS-38	13			CIS-S213	CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_Bias3/4_B . COS13		SPK.-	-	S213	022BS-38	13			COS-S213 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
014	SPIRE PSW_Bias5/6_B . B+		SPK.-	-	S214	022BS-38	14				CVVUCR	33	211121 J026	009	1S 1S
032	SPIRE PSW_Bias5/6_B . B-		SPK.-	-	S214	022BS-38	14				CVVUCR	33	211121 J026	017	1S 1S
033	SPIRE PSW_Bias5/6_B . SHD14		SPK.-	-	S214	022BS-38	14			CIS-S214	CVVUCR	33	211121 J026	001	1S 1S
CH	SPIRE PSW_Bias5/6_B . COS14		SPK.-	-	S214	022BS-38	14			COS-S214 con to CH	CVVUCR	33	211121 J026	FCR	1S 1S
-															
034	SPIRE PSW_Heater_B1 . B1+		SPM.-	-	S215	021SS-38	15				CVVUCR	33	211121 J026	013	1S 1S
015	SPIRE PSW_Heater_B1 . B1-		SPM.-	-	S215	021SS-38	15				CVVUCR	33	211121 J026	012	1S 1S
016	SPIRE PSW_Heater_B1 . SHD15		SPM.-	-	S215	021SS-38	15			CS-S215	CVVUCR	33	211121 J026	005	1S 1S
-															
017	SPIRE PSW_Heater_B2 . B2+		SPM.-	-	S216	021SS-38	16				CVVUCR	33	211121 J026	021	1S 1S
035	SPIRE PSW_Heater_B2 . B2-		SPM.-	-	S216	021SS-38	16				CVVUCR	33	211121 J026	020	1S 1S
036	SPIRE PSW_Heater_B2 . SHD16		SPM.-	-	S216	021SS-38	16			SC-S216	CVVUCR	33	211121 J026	005	1S 1S
-															
037	SPIRE PSW_Heater_B3 . B3+		SPM.-	-	S217	021SS-38	17				CVVUCR	33	211121 J026	031	1S 1S
018	SPIRE PSW_Heater_B3 . B3-		SPM.-	-	S217	021SS-38	17				CVVUCR	33	211121 J026	043	1S 1S
036	SPIRE PSW_Heater_B3 . SHD17		SPM.-	-	S217	021SS-38	17			CS-S217	CVVUCR	33	211121 J026	005	1S 1S
-															1S
010	Interconnection Star Pin									Star Pin for Interconnection					1S
001	to be con to pin 010														1S
021	to be con to pin 010														1S
004	to be con to pin 010														1S
024	to be con to pin 010														1S
007	to be con to pin 010														1S
027	to be con to pin 010														1S
030	to be con to pin 010														1S
013	to be con to pin 010														1S
033	to be con to pin 010														1S

Pin Allocation List (Harness)

Connector: 121210 P026
Item: HSJFP

Function / Bundle: PSW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	Inteerconnetion Star Pin									Star Pin for Interconnection					1S
016	to be con to pin 036														1S
-															1S
-	1 pin is NC									The following Pin is NC :					
-	-									;019					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List

(Harness)

Connector: 121210 P028
Item: HSJFP

Function / Bundle: PMW/PLW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE PMW_JFETV1_B . B+		SPH.-	-	S219	022BS-38	19				CVVUCR	33	211121 J026	007	1S 1S
002	SPIRE PMW_JFETV1_B . B-		SPH.-	-	S219	022BS-38	19				CVVUCR	33	211121 J026	014	1S 1S
001	SPIRE PMW_JFETV1_B . SHD19		SPH.-	-	S219	022BS-38	19		CIS-S219		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_JFETV1_B . COS19		SPH.-	-	S219	022BS-38	19		COS-S219 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
003	SPIRE PMW_JFETV2_B . B+		SPH.-	-	S220	022BS-38	20				CVVUCR	33	211121 J026	024	1S 1S
022	SPIRE PMW_JFETV2_B . B-		SPH.-	-	S220	022BS-38	20				CVVUCR	33	211121 J026	035	1S 1S
021	SPIRE PMW_JFETV2_B . SHD20		SPH.-	-	S220	022BS-38	20		CIS-S220		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_JFETV2_B . COS20		SPH.-	-	S220	022BS-38	20		COS-S220 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
023	SPIRE PMW_JFETV3_B . B+		SPH.-	-	S221	022BS-38	21				CVVUCR	33	211121 J026	023	1S 1S
005	SPIRE PMW_JFETV3_B . B-		SPH.-	-	S221	022BS-38	21				CVVUCR	33	211121 J026	034	1S 1S
004	SPIRE PMW_JFETV3_B . SHD21		SPH.-	-	S221	022BS-38	21		CIS-S221		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_JFETV3_B . COS21		SPH.-	-	S221	022BS-38	21		COS-S221 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
006	SPIRE PMW_JFETV4_B . B+		SPH.-	-	S222	022BS-38	22				CVVUCR	33	211121 J026	033	1S 1S
025	SPIRE PMW_JFETV4_B . B-		SPH.-	-	S222	022BS-38	22				CVVUCR	33	211121 J026	045	1S 1S
024	SPIRE PMW_JFETV4_B . SHD22		SPH.-	-	S222	022BS-38	22		CIS-S222		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_JFETV4_B . COS22		SPH.-	-	S222	022BS-38	22		COS-S222 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
026	SPIRE PMW_Bias1/2_B . B+		SPG.-	-	S223	022BS-38	23				CVVUCR	33	211121 J026	044	1S 1S
008	SPIRE PMW_Bias1/2_B . B-		SPG.-	-	S223	022BS-38	23				CVVUCR	33	211121 J026	056	1S 1S
007	SPIRE PMW_Bias1/2_B . SHD23		SPG.-	-	S223	022BS-38	23		CIS-S223		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_Bias1/2_B . COS23		SPG.-	-	S223	022BS-38	23		COS-S223 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
027	SPIRE PMW_Bias3/4_B . B+		SPG.-	-	S224	022BS-38	24				CVVUCR	33	211121 J026	022	1S 1S
009	SPIRE PMW_Bias3/4_B . B-		SPG.-	-	S224	022BS-38	24				CVVUCR	33	211121 J026	032	1S 1S
028	SPIRE PMW_Bias3/4_B . SHD24		SPG.-	-	S224	022BS-38	24		CIS-S224		CVVUCR	33	211121 J026	006	1S 1S
CH	SPIRE PMW_Bias3/4_B . COS24		SPG.-	-	S224	022BS-38	24		COS-S224 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
029	SPIRE PMW_Heater_B1 . B1+		SPJ.-	-	S226	021SS-38	26				CVVUCR	33	211121 J026	055	1S 1S
010	SPIRE PMW_Heater_B1 . B1-		SPJ.-	-	S226	021SS-38	26				CVVUCR	33	211121 J026	066	1S 1S
011	SPIRE PMW_Heater_B1 . SHD26		SPJ.-	-	S226	021SS-38	26		CS-S226		CVVUCR	33	211121 J026	065	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 121210 P028
Item: HSJFP

Function / Bundle: PMW/PLW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
012	SPIRE PMW_Heater_B2 . B2+		SPJ.-	-	S227	021SS-38	27				CVVUCR	33	211121 J026	067	1S 1S
030	SPIRE PMW_Heater_B2 . B2-		SPJ.-	-	S227	021SS-38	27				CVVUCR	33	211121 J026	078	1S 1S
011	SPIRE PMW_Heater_B2 . SHD27		SPJ.-	-	S227	021SS-38	27		CSS-S227		CVVUCR	33	211121 J026	065	1S 1S
-															
013	SPIRE PLW_Heater_B . B+		SPF.-	-	S228	021SS-38	28				CVVUCR	33	211121 J026	090	1S 1S
031	SPIRE PLW_Heater_B . B-		SPF.-	-	S228	021SS-38	28				CVVUCR	33	211121 J026	079	1S 1S
011	SPIRE PLW_Heater_B . SHD28		SPF.-	-	S228	021SS-38	28		CS-S228		CVVUCR	33	211121 J026	065	1S 1S
-															
014	SPIRE PLW_JFETV1_B . B+		SPE.-	-	S229	022BS-38	29				CVVUCR	33	211121 J026	070	1S 1S
032	SPIRE PLW_JFETV1_B . B-		SPE.-	-	S229	022BS-38	29				CVVUCR	33	211121 J026	081	1S 1S
033	SPIRE PLW_JFETV1_B . SHD29		SPE.-	-	S229	022BS-38	29		CIS-S229		CVVUCR	33	211121 J026	091	1S 1S
CH	SPIRE PLW_JFETV1_B . COS29		SPE.-	-	S229	022BS-38	29		CIS-S229 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
034	SPIRE PLW_JFETV2_B . B+		SPE.-	-	S230	022BS-38	30				CVVUCR	33	211121 J026	069	1S 1S
015	SPIRE PLW_JFETV2_B . B-		SPE.-	-	S230	022BS-38	30				CVVUCR	33	211121 J026	080	1S 1S
016	SPIRE PLW_JFETV2_B . SHD30		SPE.-	-	S230	022BS-38	30		CIS-S230		CVVUCR	33	211121 J026	091	1S 1S
CH	SPIRE PLW_JFETV2_B . COS30		SPE.-	-	S230	022BS-38	30		COS-S230 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
017	SPIRE PLW_Bias1_B . B+		SPD.-	-	S231	022BS-38	31				CVVUCR	33	211121 J026	068	1S 1S
035	SPIRE PLW_Bias1_B . B-		SPD.-	-	S231	022BS-38	31				CVVUCR	33	211121 J026	057	1S 1S
036	SPIRE PLW_Bias1_B . SHD31		SPD.-	-	S231	022BS-38	31		CIS-S231		CVVUCR	33	211121 J026	091	1S 1S
CH	SPIRE PLW_Bias1_B . COS31		SPD.-	-	S231	022BS-38	31		COS-S231 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
037	SPIRE PLW_Bias2_B . B+		SPD.-	-	S232	022BS-38	32				CVVUCR	33	211121 J026	058	1S 1S
018	SPIRE PLW_Bias2_B . B-		SPD.-	-	S232	022BS-38	32				CVVUCR	33	211121 J026	046	1S 1S
019	SPIRE PLW_Bias2_B . SHD32		SPD.-	-	S232	022BS-38	32		CIS-S232		CVVUCR	33	211121 J026	091	1S 1S
CH	SPIRE PLW_Bias2_B . COS32		SPD.-	-	S232	022BS-38	32		COS-S232 con to CH		CVVUCR	33	211121 J026	FCR	1S 1S
-															
028	Interconnection Star Pin								Star Pin for Interconnection						1S
001	to be con to pin 028														1S
004	to be con to pin 028														1S
021	to be con to pin 028														1S
024	to be con to pin 028														1S
007	to be con to pin 028														1S

Pin Allocation List (Harness)

Connector: 121210 P028
Item: HSJFP

Function / Bundle: PMW/PLW Bias Red -DCU SIH-XS-03

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
019	Interconnection Star Pin									Star Pin for Interconnection					1S
016	to be con to pin 019														1S
033	to be con to pin 019														1S
036	to be con to pin 019														1S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List

(Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW_JFETV1_A . A+	SPL.-	-		S176	022BS-38	76			HSJFP	75	121210 P025	020	1S	1S
037	SPIRE PSW_JFETV1_A . A-	SPL.-	-		S176	022BS-38	76			HSJFP	75	121210 P025	002	1S	1S
036	SPIRE PSW_JFETV1_A . SHD76	SPL.-	-		S176	022BS-38	76		CIS-S176	HSJFP	75	121210 P025	001	1S	1S
FCR	SPIRE PSW_JFETV1_A . COS76	SPL.-	-		S176	022BS-38	76		COS-S176 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
038	SPIRE PSW_JFETV2_A . A+	SPL.-	-		S177	022BS-38	77			HSJFP	75	121210 P025	003	1S	1S
049	SPIRE PSW_JFETV2_A . A-	SPL.-	-		S177	022BS-38	77			HSJFP	75	121210 P025	022	1S	1S
036	SPIRE PSW_JFETV2_A . SHD77	SPL.-	-		S177	022BS-38	77		CIS-S177	HSJFP	75	121210 P025	021	1S	1S
FCR	SPIRE PSW_JFETV2_A . COS77	SPL.-	-		S177	022BS-38	77		COS-S177 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
048	SPIRE PSW_JFETV3_A . A+	SPL.-	-		S178	022BS-38	78			HSJFP	75	121210 P025	023	1S	1S
060	SPIRE PSW_JFETV3_A . A-	SPL.-	-		S178	022BS-38	78			HSJFP	75	121210 P025	005	1S	1S
036	SPIRE PSW_JFETV3_A . SHD78	SPL.-	-		S178	022BS-38	78		CIS-S178	HSJFP	75	121210 P025	004	1S	1S
FCR	SPIRE PSW_JFETV3_A . COS78	SPL.-	-		S178	022BS-38	78		COS-S178 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
059	SPIRE PSW_JFETV4_A . A+	SPL.-	-		S179	022BS-38	79			HSJFP	75	121210 P025	006	1S	1S
071	SPIRE PSW_JFETV4_A . A-	SPL.-	-		S179	022BS-38	79			HSJFP	75	121210 P025	025	1S	1S
036	SPIRE PSW_JFETV4_A . SHD79	SPL.-	-		S179	022BS-38	79		CIS-S179	HSJFP	75	121210 P025	024	1S	1S
FCR	SPIRE PSW_JFETV4_A . COS79	SPL.-	-		S179	022BS-38	79		COS-S179 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
050	SPIRE PSW_JFETV5_A . A+	SPL.-	-		S180	022BS-38	80			HSJFP	75	121210 P025	026	1S	1S
061	SPIRE PSW_JFETV5_A . A-	SPL.-	-		S180	022BS-38	80			HSJFP	75	121210 P025	008	1S	1S
036	SPIRE PSW_JFETV5_A . SHD80	SPL.-	-		S180	022BS-38	80		CIS-S180	HSJFP	75	121210 P025	007	1S	1S
FCR	SPIRE PSW_JFETV5_A . COS80	SPL.-	-		S180	022BS-38	80		COS-S180 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
062	SPIRE PSW_JFETV6_A . A+	SPL.-	-		S181	022BS-38	81			HSJFP	75	121210 P025	009	1S	1S
051	SPIRE PSW_JFETV6_A . A-	SPL.-	-		S181	022BS-38	81			HSJFP	75	121210 P025	028	1S	1S
036	SPIRE PSW_JFETV6_A . SHD81	SPL.-	-		S181	022BS-38	81		CIS-S1811	HSJFP	75	121210 P025	027	1S	1S
FCR	SPIRE PSW_JFETV6_A . COS81	SPL.-	-		S181	022BS-38	81		COS-S181 con to FCR	HSJFP	75	121210 P025	CH	1S	1S
-															
063	SPIRE PSW_Bias1/2_A . A+	SPK.-	-		S183	022BS-38	83			HSJFP	75	121210 P025	011	1S	1S
075	SPIRE PSW_Bias1/2_A . A-	SPK.-	-		S183	022BS-38	83			HSJFP	75	121210 P025	029	1S	1S
036	SPIRE PSW_Bias1/2_A . SHD83	SPK.-	-		S183	022BS-38	83		CIS-S183	HSJFP	75	121210 P025	030	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
FCR	SPIRE PSW_Bias1/2_A . COS83		SPK.-	-	S183	022BS-38	83			COS-S183 con to FCR	HSJFP	75	121210 P025	CH	1S 1S
-															
074	SPIRE PSW_Bias3/4_A . A+		SPK.-	-	S184	022BS-38	84				HSJFP	75	121210 P025	031	1S 1S
073	SPIRE PSW_Bias3/4_A . A-		SPK.-	-	S184	022BS-38	84				HSJFP	75	121210 P025	012	1S 1S
036	SPIRE PSW_Bias3/4_A . SHD84		SPK.-	-	S184	022BS-38	84			CIS-S184	HSJFP	75	121210 P025	013	1S 1S
FCR	SPIRE PSW_Bias3/4_A . COS84		SPK.-	-	S184	022BS-38	84			COS-S184 con to FCR	HSJFP	75	121210 P025	CH	1S 1S
-															
083	SPIRE PSW_Bias5/6_A . A+		SPK.-	-	S185	022BS-38	85				HSJFP	75	121210 P025	014	1S 1S
072	SPIRE PSW_Bias5/6_A . A-		SPK.-	-	S185	022BS-38	85				HSJFP	75	121210 P025	032	1S 1S
036	SPIRE PSW_Bias5/6_A . SHD85		SPK.-	-	S185	022BS-38	85			CIS-S185	HSJFP	75	121210 P025	033	1S 1S
FCR	SPIRE PSW_Bias5/6_A . COS85		SPK.-	-	S185	022BS-38	85			COS-S185 con to FCR	HSJFP	75	121210 P025	CH	1S 1S
-															
095	SPIRE PSW_Heater_A1 . A1+		SPM.-	-	S186	021SS-38	86				HSJFP	75	121210 P025	034	1S 1S
084	SPIRE PSW_Heater_A1 . A1-		SPM.-	-	S186	021SS-38	86				HSJFP	75	121210 P025	015	1S 1S
105	SPIRE PSW_Heater_A1 . SHD86		SPM.-	-	S186	021SS-38	86			CS-S186	HSJFP	75	121210 P025	016	1S 1S
-															
096	SPIRE PSW_Heater_A2 . A2+		SPM.-	-	S187	021SS-38	87				HSJFP	75	121210 P025	017	1S 1S
085	SPIRE PSW_Heater_A2 . A2-		SPM.-	-	S187	021SS-38	87				HSJFP	75	121210 P025	035	1S 1S
105	SPIRE PSW_Heater_A2 . SHD87		SPM.-	-	S187	021SS-38	87			CS-S187	HSJFP	75	121210 P025	036	1S 1S
-															
106	SPIRE PSW_Heater_A3 . A3+		SPM.-	-	S188	021SS-38	88				HSJFP	75	121210 P025	037	1S 1S
107	SPIRE PSW_Heater_A3 . A3-		SPM.-	-	S188	021SS-38	88				HSJFP	75	121210 P025	018	1S 1S
105	SPIRE PSW_Heater_A3 . SHD88		SPM.-	-	S188	021SS-38	88			CS-S188	HSJFP	75	121210 P025	036	1S 1S
-															
086	SPIRE PMW_JFETV1_A . A+		SPH.-	-	S190	022BS-38	90				HSJFP	75	121210 P027	020	1S 1S
087	SPIRE PMW_JFETV1_A . A-		SPH.-	-	S190	022BS-38	90				HSJFP	75	121210 P027	002	1S 1S
064	SPIRE PMW_JFETV1_A . SHD90		SPH.-	-	S190	022BS-38	90			CIS-S190	HSJFP	75	121210 P027	001	1S 1S
FCR	SPIRE PMW_JFETV1_A . COS90		SPH.-	-	S190	022BS-38	90			COS-S190 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															
097	SPIRE PMW_JFETV2_A . A+		SPH.-	-	S191	022BS-38	91				HSJFP	75	121210 P027	003	1S 1S
098	SPIRE PMW_JFETV2_A . A-		SPH.-	-	S191	022BS-38	91				HSJFP	75	121210 P027	022	1S 1S
064	SPIRE PMW_JFETV2_A . SHD91		SPH.-	-	S191	022BS-38	91			CIS-S191	HSJFP	75	121210 P027	021	1S 1S
FCR	SPIRE PMW_JFETV2_A . COS91		SPH.-	-	S191	022BS-38	91			COS-S191 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
108	SPIRE PMW_JFETV3_A . A+		SPH.-	-	S192	022BS-38	92				HSJFP	75	121210 P027	023	1S 1S
109	SPIRE PMW_JFETV3_A . A-		SPH.-	-	S192	022BS-38	92				HSJFP	75	121210 P027	005	1S 1S
064	SPIRE PMW_JFETV3_A . SHD92		SPH.-	-	S192	022BS-38	92		CIS-S192		HSJFP	75	121210 P027	004	1S 1S
FCR	SPIRE PMW_JFETV3_A . COS92		SPH.-	-	S192	022BS-38	92		COS-S192 con to FCR		HSJFP	75	121210 P027	CH	1S 1S
-															
116	SPIRE PMW_JFETV4_A . A+		SPH.-	-	S193	022BS-38	93				HSJFP	75	121210 P027	006	1S 1S
117	SPIRE PMW_JFETV4_A . A-		SPH.-	-	S193	022BS-38	93				HSJFP	75	121210 P027	025	1S 1S
064	SPIRE PMW_JFETV4_A . SHD93		SPH.-	-	S193	022BS-38	93		CIS-S193		HSJFP	75	121210 P027	024	1S 1S
FCR	SPIRE PMW_JFETV4_A . COS93		SPH.-	-	S193	022BS-38	93		COS-S193 con to FCR		HSJFP	75	121210 P027	CH	1S 1S
-															
076	SPIRE PMW_Bias1/2_A . A+		SPG.-	-	S194	022BS-38	94				HSJFP	75	121210 P027	026	1S 1S
077	SPIRE PMW_Bias1/2_A . A-		SPG.-	-	S194	022BS-38	94				HSJFP	75	121210 P027	008	1S 1S
064	SPIRE PMW_Bias1/2_A . SHD94		SPG.-	-	S194	022BS-38	94		CIS-S194		HSJFP	75	121210 P027	007	1S 1S
FCR	SPIRE PMW_Bias1/2_A . COS94		SPG.-	-	S194	022BS-38	94		COS-S194 con to FCR		HSJFP	75	121210 P027	CH	1S 1S
-															
088	SPIRE PMW_Bias3/4_A . A+		SPG.-	-	S195	022BS-38	95				HSJFP	75	121210 P027	027	1S 1S
089	SPIRE PMW_Bias3/4_A . A-		SPG.-	-	S195	022BS-38	95				HSJFP	75	121210 P027	009	1S 1S
064	SPIRE PMW_Bias3/4_A . SHD95		SPG.-	-	S195	022BS-38	95		CIS-S195		HSJFP	75	121210 P027	028	1S 1S
FCR	SPIRE PMW_Bias3/4_A . COS95		SPG.-	-	S195	022BS-38	95		COS-S195 con to FCR		HSJFP	75	121210 P027	CH	1S 1S
-															
103	SPIRE PMW_Heater_A1 . A1+		SPJ.-	-	S197	021SS-38	97				HSJFP	75	121210 P027	029	1S 1S
113	SPIRE PMW_Heater_A1 . A1-		SPJ.-	-	S197	021SS-38	97				HSJFP	75	121210 P027	010	1S 1S
114	SPIRE PMW_Heater_A1 . SHD97		SPJ.-	-	S197	021SS-38	97		CS-S197		HSJFP	75	121210 P027	011	1S 1S
-															
102	SPIRE PMW_Heater_A2 . A2+		SPJ.-	-	S198	021SS-38	98				HSJFP	75	121210 P027	012	1S 1S
101	SPIRE PMW_Heater_A2 . A2-		SPJ.-	-	S198	021SS-38	98				HSJFP	75	121210 P027	030	1S 1S
114	SPIRE PMW_Heater_A2 . SHD98		SPJ.-	-	S198	021SS-38	98		CS-S198		HSJFP	75	121210 P027	011	1S 1S
-															
092	SPIRE PLW_Heater_A . A+		SPF.-	-	S199	021SS-38	99				HSJFP	75	121210 P027	013	1S 1S
104	SPIRE PLW_Heater_A . A-		SPF.-	-	S199	021SS-38	99				HSJFP	75	121210 P027	031	1S 1S
093	SPIRE PLW_Heater_A . SHD99		SPF.-	-	S199	021SS-38	99		CS-S199		HSJFP	75	121210 P027	011	1S 1S
-															
099	SPIRE PLW_JFETV1_A . A+		SPE.-	-	S200	022BS-38	33				HSJFP	75	121210 P027	014	1S 1S
100	SPIRE PLW_JFETV1_A . A-		SPE.-	-	S200	022BS-38	33				HSJFP	75	121210 P027	032	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PLW_JFETV1_A . SHD33		SPE.-	-	S200	022BS-38	33			CIS-S200	HSJFP	75	121210 P027	033	1S 1S
FCR	SPIRE PLW_JFETV1_A . COS33		SPE.-	-	S200	022BS-38	33			COS-S200 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															
110	SPIRE PLW_JFETV2_A . A+		SPE.-	-	S201	022BS-38	1				HSJFP	75	121210 P027	034	1S 1S
111	SPIRE PLW_JFETV2_A . A-		SPE.-	-	S201	022BS-38	1				HSJFP	75	121210 P027	015	1S 1S
128	SPIRE PLW_JFETV2_A . SHD01		SPE.-	-	S201	022BS-38	1			CIS-S201	HSJFP	75	121210 P027	016	1S 1S
FCR	SPIRE PLW_JFETV2_A . COS01		SPE.-	-	S201	022BS-38	1			CIS-S201 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															
118	SPIRE PLW_Bias1_A . A+		SPD.-	-	S202	022BS-38	2				HSJFP	75	121210 P027	017	1S 1S
119	SPIRE PLW_Bias1_A . A-		SPD.-	-	S202	022BS-38	2				HSJFP	75	121210 P027	035	1S 1S
128	SPIRE PLW_Bias1_A . SHD02		SPD.-	-	S202	022BS-38	2			CIS-S202	HSJFP	75	121210 P027	036	1S 1S
FCR	SPIRE PLW_Bias1_A . COS02		SPD.-	-	S202	022BS-38	2			COS-S202 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															
112	SPIRE PLW_Bias2_A . A+		SPD.-	-	S203	022BS-38	3				HSJFP	75	121210 P027	037	1S 1S
120	SPIRE PLW_Bias2_A . A-		SPD.-	-	S203	022BS-38	3				HSJFP	75	121210 P027	018	1S 1S
128	SPIRE PLW_Bias2_A . SHD03		SPD.-	-	S203	022BS-38	3			CIS-S203	HSJFP	75	121210 P027	019	1S 1S
FCR	SPIRE PLW_Bias2_A . COS03		SPD.-	-	S203	022BS-38	3			COS-S203 con to FCR	HSJFP	75	121210 P027	CH	1S 1S
-															
042	SPIRE PSW_JFETV1_B . B+		SPL.-	-	S205	022BS-38	5				HSJFP	75	121210 P026	020	1S 1S
054	SPIRE PSW_JFETV1_B . B-		SPL.-	-	S205	022BS-38	5				HSJFP	75	121210 P026	002	1S 1S
001	SPIRE PSW_JFETV1_B . SHD05		SPL.-	-	S205	022BS-38	5			CIS-S205	HSJFP	75	121210 P026	001	1S 1S
FCR	SPIRE PSW_JFETV1_B . COS05		SPL.-	-	S205	022BS-38	5			COS-S205 con to FCR	HSJFP	75	121210 P026	CH	1S 1S
-															
053	SPIRE PSW_JFETV2_B . B+		SPL.-	-	S206	022BS-38	6				HSJFP	75	121210 P026	003	1S 1S
052	SPIRE PSW_JFETV2_B . B-		SPL.-	-	S206	022BS-38	6				HSJFP	75	121210 P026	022	1S 1S
001	SPIRE PSW_JFETV2_B . SHD06		SPL.-	-	S206	022BS-38	6			CIS-S206	HSJFP	75	121210 P026	021	1S 1S
FCR	SPIRE PSW_JFETV2_B . COS06		SPL.-	-	S206	022BS-38	6			COS-S206 con to FCR	HSJFP	75	121210 P026	CH	1S 1S
-															
041	SPIRE PSW_JFETV3_B . B+		SPL.-	-	S207	022BS-38	7				HSJFP	75	121210 P026	023	1S 1S
030	SPIRE PSW_JFETV3_B . B-		SPL.-	-	S207	022BS-38	7				HSJFP	75	121210 P026	005	1S 1S
001	SPIRE PSW_JFETV3_B . SHD07		SPL.-	-	S207	022BS-38	7			CIS-S207	HSJFP	75	121210 P026	004	1S 1S
FCR	SPIRE PSW_JFETV3_B . COS07		SPL.-	-	S207	022BS-38				COS-S207 con to FCR	HSJFP	75	121210 P026	CH	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
010	SPIRE PSW_JFETV4_B . B+	SPL.-	-		S208	022BS-38	8			HSJFP	75	121210 P026	006	1S	1S
011	SPIRE PSW_JFETV4_B . B-	SPL.-	-		S208	022BS-38	8			HSJFP	75	121210 P026	025	1S	1S
001	SPIRE PSW_JFETV4_B . SHD08	SPL.-	-		S208	022BS-38	8		CIS-S208	HSJFP	75	121210 P026	024	1S	1S
FCR	SPIRE PSW_JFETV4_B . COS08	SPL.-	-		S208	022BS-38	8		COS-S208 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
019	SPIRE PSW_JFETV5_B . B+	SPL.-	-		S209	022BS-38	9			HSJFP	75	121210 P026	026	1S	1S
029	SPIRE PSW_JFETV5_B . B-	SPL.-	-		S209	022BS-38	9			HSJFP	75	121210 P026	008	1S	1S
001	SPIRE PSW_JFETV5_B . SHD09	SPL.-	-		S209	022BS-38	9		CIS-S209	HSJFP	75	121210 P026	007	1S	1S
FCR	SPIRE PSW_JFETV5_B . COS09	SPL.-	-		S209	022BS-38	9		COS-S209 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
016	SPIRE PSW_JFETV6_B . B+	SPL.-	-		S210	022BS-38	10			HSJFP	75	121210 P026	009	1S	1S
027	SPIRE PSW_JFETV6_B . B-	SPL.-	-		S210	022BS-38	10			HSJFP	75	121210 P026	028	1S	1S
001	SPIRE PSW_JFETV6_B . SHD10	SPL.-	-		S210	022BS-38	10		CIS-S210	HSJFP	75	121210 P026	027	1S	1S
FCR	SPIRE PSW_JFETV6_B . COS10	SPL.-	-		S210	022BS-38	10		COS-S210 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
040	SPIRE PSW_Bias1/2_B . B+	SPK.-	-		S212	022BS-38	12			HSJFP	75	121210 P026	011	1S	1S
039	SPIRE PSW_Bias1/2_B . B-	SPK.-	-		S212	022BS-38	12			HSJFP	75	121210 P026	029	1S	1S
001	SPIRE PSW_Bias1/2_B . SHD12	SPK.-	-		S212	022BS-38	12		CIS-S212	HSJFP	75	121210 P026	030	1S	1S
FCR	SPIRE PSW_Bias1/2_B . COS12	SPK.-	-		S212	022BS-38	12		COS-S212 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
018	SPIRE PSW_Bias3/4_B . B+	SPK.-	-		S213	022BS-38	13			HSJFP	75	121210 P026	031	1S	1S
028	SPIRE PSW_Bias3/4_B . B-	SPK.-	-		S213	022BS-38	13			HSJFP	75	121210 P026	012	1S	1S
001	SPIRE PSW_Bias3/4_B . SHD13	SPK.-	-		S213	022BS-38	13		CIS-S213	HSJFP	75	121210 P026	013	1S	1S
FCR	SPIRE PSW_Bias3/4_B . COS13	SPK.-	-		S213	022BS-38	13		COS-S213 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
009	SPIRE PSW_Bias5/6_B . B+	SPK.-	-		S214	022BS-38	14			HSJFP	75	121210 P026	014	1S	1S
017	SPIRE PSW_Bias5/6_B . B-	SPK.-	-		S214	022BS-38	14			HSJFP	75	121210 P026	032	1S	1S
001	SPIRE PSW_Bias5/6_B . SHD14	SPK.-	-		S214	022BS-38	14		CIS-S214	HSJFP	75	121210 P026	033	1S	1S
FCR	SPIRE PSW_Bias5/6_B . COS14	SPK.-	-		S214	022BS-38	14		COS-S214 con to FCR	HSJFP	75	121210 P026	CH	1S	1S
-															
013	SPIRE PSW_Heater_B1 . B1+	SPM.-	-		S215	021SS-38	15			HSJFP	75	121210 P026	034	1S	1S
012	SPIRE PSW_Heater_B1 . B1-	SPM.-	-		S215	021SS-38	15			HSJFP	75	121210 P026	015	1S	1S
005	SPIRE PSW_Heater_B1 . SHD15	SPM.-	-		S215	021SS-38	15		CS-S215	HSJFP	75	121210 P026	016	1S	1S
-															

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
021	SPIRE PSW_Heater_B2 . B2+		SPM.-	-	S216	021SS-38	16				HSJFP	75	121210 P026	017	1S 1S
020	SPIRE PSW_Heater_B2 . B2-		SPM.-	-	S216	021SS-38	16				HSJFP	75	121210 P026	035	1S 1S
005	SPIRE PSW_Heater_B2 . SHD16		SPM.-	-	S216	021SS-38	16		CS-S216		HSJFP	75	121210 P026	036	1S 1S
-															
031	SPIRE PSW_Heater_B3 . B3+		SPM.-	-	S217	021SS-38	17				HSJFP	75	121210 P026	037	1S 1S
043	SPIRE PSW_Heater_B3 . B3-		SPM.-	-	S217	021SS-38	17				HSJFP	75	121210 P026	018	1S 1S
005	SPIRE PSW_Heater_B3 . SHD17		SPM.-	-	S217	021SS-38	17		CS-S217		HSJFP	75	121210 P026	036	1S 1S
-															
007	SPIRE PMW_JFETV1_B . B+		SPH.-	-	S219	022BS-38	19				HSJFP	75	121210 P028	020	1S 1S
014	SPIRE PMW_JFETV1_B . B-		SPH.-	-	S219	022BS-38	19				HSJFP	75	121210 P028	002	1S 1S
006	SPIRE PMW_JFETV1_B . SHD19		SPH.-	-	S219	022BS-38	19		CIS-S219		HSJFP	75	121210 P028	001	1S 1S
FCR	SPIRE PMW_JFETV1_B . COS19		SPH.-	-	S219	022BS-38	19		COS-S219		HSJFP	75	121210 P028	CH	1S 1S
-															
024	SPIRE PMW_JFETV2_B . B+		SPH.-	-	S220	022BS-38	20				HSJFP	75	121210 P028	003	1S 1S
035	SPIRE PMW_JFETV2_B . B-		SPH.-	-	S220	022BS-38	20				HSJFP	75	121210 P028	022	1S 1S
006	SPIRE PMW_JFETV2_B . SHD20		SPH.-	-	S220	022BS-38	20		CIS-S220		HSJFP	75	121210 P028	021	1S 1S
FCR	SPIRE PMW_JFETV2_B . COS20		SPH.-	-	S220	022BS-38	20		COS-S220 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
023	SPIRE PMW_JFETV3_B . B+		SPH.-	-	S221	022BS-38	21				HSJFP	75	121210 P028	023	1S 1S
034	SPIRE PMW_JFETV3_B . B-		SPH.-	-	S221	022BS-38	21				HSJFP	75	121210 P028	005	1S 1S
006	SPIRE PMW_JFETV3_B . SHD21		SPH.-	-	S221	022BS-38	21		CIS-S221		HSJFP	75	121210 P028	004	1S 1S
FCR	SPIRE PMW_JFETV3_B . COS21		SPH.-	-	S221	022BS-38	21		COS-S221 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
033	SPIRE PMW_JFETV4_B . B+		SPH.-	-	S222	022BS-38	22				HSJFP	75	121210 P028	006	1S 1S
045	SPIRE PMW_JFETV4_B . B-		SPH.-	-	S222	022BS-38	22				HSJFP	75	121210 P028	025	1S 1S
006	SPIRE PMW_JFETV4_B . SHD22		SPH.-	-	S222	022BS-38	22		CIS-S222		HSJFP	75	121210 P028	024	1S 1S
FCR	SPIRE PMW_JFETV4_B . COS22		SPH.-	-	S222	022BS-38	22		COS-S222 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
044	SPIRE PMW_Bias1/2_B . B+		SPG.-	-	S223	022BS-38	23				HSJFP	75	121210 P028	026	1S 1S
056	SPIRE PMW_Bias1/2_B . B-		SPG.-	-	S223	022BS-38	23				HSJFP	75	121210 P028	008	1S 1S
006	SPIRE PMW_Bias1/2_B . SHD23		SPG.-	-	S223	022BS-38	23		CIS-S223		HSJFP	75	121210 P028	007	1S 1S
FCR	SPIRE PMW_Bias1/2_B . COS23		SPG.-	-	S223	022BS-38	23		COS-S223 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
022	SPIRE PMW_Bias3/4_B . B+		SPG.-	-	S224	022BS-38	24				HSJFP	75	121210 P028	027	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
032	SPIRE PMW_Bias3/4_B . B-		SPG.-	-	S224	022BS-38	24				HSJFP	75	121210 P028	009	1S 1S
006	SPIRE PMW_Bias3/4_B . SHD24		SPG.-	-	S224	022BS-38	24		CIS-S224		HSJFP	75	121210 P028	028	1S 1S
FCR	SPIRE PMW_Bias3/4_B . COS24		SPG.-	-	S224	022BS-38	24		COS-S224 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
055	SPIRE PMW_Heater_B1 . B1+		SPJ.-	-	S226	021SS-38	26				HSJFP	75	121210 P028	029	1S 1S
066	SPIRE PMW_Heater_B1 . B1-		SPJ.-	-	S226	021SS-38	26				HSJFP	75	121210 P028	010	1S 1S
065	SPIRE PMW_Heater_B1 . SHD26		SPJ.-	-	S226	021SS-38	26		CS-S226		HSJFP	75	121210 P028	011	1S 1S
-															
067	SPIRE PMW_Heater_B2 . B2+		SPJ.-	-	S227	021SS-38	27				HSJFP	75	121210 P028	012	1S 1S
078	SPIRE PMW_Heater_B2 . B2-		SPJ.-	-	S227	021SS-38	27				HSJFP	75	121210 P028	030	1S 1S
065	SPIRE PMW_Heater_B2 . SHD27		SPJ.-	-	S227	021SS-38	27		CS-S227		HSJFP	75	121210 P028	011	1S 1S
-															
090	SPIRE PLW_Heater_B . B+		SPF.-	-	S228	021SS-38	28				HSJFP	75	121210 P028	013	1S 1S
079	SPIRE PLW_Heater_B . B-		SPF.-	-	S228	021SS-38	28				HSJFP	75	121210 P028	031	1S 1S
065	SPIRE PLW_Heater_B . SHD28		SPF.-	-	S228	021SS-38	28		CS-S228		HSJFP	75	121210 P028	011	1S 1S
-															
070	SPIRE PLW_JFETV1_B . B+		SPE.-	-	S229	022BS-38	29				HSJFP	75	121210 P028	014	1S 1S
081	SPIRE PLW_JFETV1_B . B-		SPE.-	-	S229	022BS-38	29				HSJFP	75	121210 P028	032	1S 1S
091	SPIRE PLW_JFETV1_B . SHD29		SPE.-	-	S229	022BS-38	29		CIS-S229		HSJFP	75	121210 P028	033	1S 1S
FCR	SPIRE PLW_JFETV1_B . COS29		SPE.-	-	S229	022BS-38	29		COS-S229 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
069	SPIRE PLW_JFETV2_B . B+		SPE.-	-	S230	022BS-38	30				HSJFP	75	121210 P028	034	1S 1S
080	SPIRE PLW_JFETV2_B . B-		SPE.-	-	S230	022BS-38	30				HSJFP	75	121210 P028	015	1S 1S
091	SPIRE PLW_JFETV2_B . SHD30		SPE.-	-	S230	022BS-38	30		CIS-S230		HSJFP	75	121210 P028	016	1S 1S
FCR	SPIRE PLW_JFETV2_B . COS30		SPE.-	-	S230	022BS-38	30		COS-S230		HSJFP	75	121210 P028	CH	1S 1S
-															
068	SPIRE PLW_Bias1_B . B+		SPD.-	-	S231	022BS-38	31				HSJFP	75	121210 P028	017	1S 1S
057	SPIRE PLW_Bias1_B . B-		SPD.-	-	S231	022BS-38	31				HSJFP	75	121210 P028	035	1S 1S
091	SPIRE PLW_Bias1_B . SHD31		SPD.-	-	S231	022BS-38	31		CIS-S231		HSJFP	75	121210 P028	036	1S 1S
FCR	SPIRE PLW_Bias1_B . COS31		SPD.-	-	S231	022BS-38	31		COS-S231 con to FCR		HSJFP	75	121210 P028	CH	1S 1S
-															
058	SPIRE PLW_Bias2_B . B+		SPD.-	-	S232	022BS-38	32				HSJFP	75	121210 P028	037	1S 1S
046	SPIRE PLW_Bias2_B . B-		SPD.-	-	S232	022BS-38	32				HSJFP	75	121210 P028	018	1S 1S
091	SPIRE PLW_Bias2_B . SHD32		SPD.-	-	S232	022BS-38	32		CIS-S232		HSJFP	75	121210 P028	019	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
FCR	SPIRE PLW_Bias2_B . COS32		SPD.-	-	S232	022BS-38			32	COS-S232 con to FCR	HSJFP	75	121210 P028	CH	1S	1S
-																
002	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
065	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
-																
-	harness branch to be isolated from s/c structure															
-	CH to be isolated from FCR															1S
-																1S

Pin Allocation List (Harness)

Connector: 121210 P024
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP12 / SIH-XS-04

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch01 to 04 . 1+		SPB.-	-	S067	12AXD-38	67	067-1	1		CVVUCR	33	211121 J022	026	1S	1S
014	SPIRE PMW Ch01 to 04 . 1-		SPB.-	-	S067	12AXD-38	67	067-1	1		CVVUCR	33	211121 J022	037	1S	1S
013	SPIRE PMW Ch01 to 04 . 1gnd		SPB.-	-	S067	12AXD-38	67	067-1	1		CVVUCR	33	211121 J022	036	1S	1S
-																
002	SPIRE PMW Ch01 to 04 . 2+		SPB.-	-	S067	12AXD-38	67	067-2	2		CVVUCR	33	211121 J022	038	1S	1S
015	SPIRE PMW Ch01 to 04 . 2-		SPB.-	-	S067	12AXD-38	67	067-2	2		CVVUCR	33	211121 J022	049	1S	1S
013	SPIRE PMW Ch01 to 04 . 2gnd		SPB.-	-	S067	12AXD-38	67	067-2	2		CVVUCR	33	211121 J022	036	1S	1S
-																
003	SPIRE PMW Ch01 to 04 . 3+		SPB.-	-	S067	12AXD-38	67	067-3	3		CVVUCR	33	211121 J022	048	1S	1S
016	SPIRE PMW Ch01 to 04 . 3-		SPB.-	-	S067	12AXD-38	67	067-3	3		CVVUCR	33	211121 J022	060	1S	1S
013	SPIRE PMW Ch01 to 04 . 3gnd		SPB.-	-	S067	12AXD-38	67	067-3	3		CVVUCR	33	211121 J022	036	1S	1S
-																
004	SPIRE PMW Ch01 to 04 . 4+		SPB.-	-	S067	12AXD-38	67	067-4	4		CVVUCR	33	211121 J022	059	1S	1S
017	SPIRE PMW Ch01 to 04 . 4-		SPB.-	-	S067	12AXD-38	67	067-4	4		CVVUCR	33	211121 J022	071	1S	1S
013	SPIRE PMW Ch01 to 04 . 4gnd		SPB.-	-	S067	12AXD-38	67	067-4	4		CVVUCR	33	211121 J022	036	1S	1S
-																1S
013	SPIRE PMW Ch01 to 04 . SHD67		SPB.-	-	S067	12AXD-38	67			CIS-S067	CVVUCR	33	211121 J022	036	1S	1S
CH	SPIRE PMW Ch01 to 04 . COS67		SPB.-	-	S067	12AXD-38	67			COS-S067 con to CH	CVVUCR	33	211121 J022	FCR	1S	1S
-																
005	SPIRE PMW Ch05 to 08 . 5+		SPB.-	-	S068	12AXD-38	68	068-1	5		CVVUCR	33	211121 J022	050	1S	1S
018	SPIRE PMW Ch05 to 08 . 5-		SPB.-	-	S068	12AXD-38	68	068-1	5		CVVUCR	33	211121 J022	061	1S	1S
013	SPIRE PMW Ch05 to 08 . 5gnd		SPB.-	-	S068	12AXD-38	68	068-1	5		CVVUCR	33	211121 J022	036	1S	1S
-																
006	SPIRE PMW Ch05 to 08 . 6+		SPB.-	-	S068	12AXD-38	68	068-2	6		CVVUCR	33	211121 J022	062	1S	1S
019	SPIRE PMW Ch05 to 08 . 6-		SPB.-	-	S068	12AXD-38	68	068-2	6		CVVUCR	33	211121 J022	051	1S	1S
013	SPIRE PMW Ch05 to 08 . 6gnd		SPB.-	-	S068	12AXD-38	68	068-2	6		CVVUCR	33	211121 J022	036	1S	1S
-																
020	SPIRE PMW Ch05 to 08 . 7+		SPB.-	-	S068	12AXD-38	68	068-3	7		CVVUCR	33	211121 J022	063	1S	1S
007	SPIRE PMW Ch05 to 08 . 7-		SPB.-	-	S068	12AXD-38	68	068-3	7		CVVUCR	33	211121 J022	075	1S	1S
013	SPIRE PMW Ch05 to 08 . 7gnd		SPB.-	-	S068	12AXD-38	68	068-3	7		CVVUCR	33	211121 J022	036	1S	1S
-																
021	SPIRE PMW Ch05 to 08 . 8+		SPB.-	-	S068	12AXD-38	68	068-4	8		CVVUCR	33	211121 J022	074	1S	1S
008	SPIRE PMW Ch05 to 08 . 8-		SPB.-	-	S068	12AXD-38	68	068-4	8		CVVUCR	33	211121 J022	073	1S	1S
013	SPIRE PMW Ch05 to 08 . 8gnd		SPB.-	-	S068	12AXD-38	68	068-4	8		CVVUCR	33	211121 J022	036	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P024**Function / Bundle:** SPIRE Bol. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch05 to 08 . SHD68		SPB.-	-	S068	12AXD-38	68			CIS-S068	CVVUCR	33	211121 J022	036	1S 1S
CH	SPIRE PMW Ch05 to 08 . COS68		SPB.-	-	S068	12AXD-38	68			COS-S068 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
022	SPIRE PMW Ch09 to 12 . 9+		SPB.-	-	S069	12AXD-38	69	069-1	9		CVVUCR	33	211121 J022	083	1S 1S
009	SPIRE PMW Ch09 to 12 . 9-		SPB.-	-	S069	12AXD-38	69	069-1	9		CVVUCR	33	211121 J022	072	1S 1S
013	SPIRE PMW Ch09 to 12 . 9gnd		SPB.-	-	S069	12AXD-38	69	069-1	9		CVVUCR	33	211121 J022	036	1S 1S
-															
023	SPIRE PMW Ch09 to 12 . 10+		SPB.-	-	S069	12AXD-38	69	069-2	A		CVVUCR	33	211121 J022	095	1S 1S
010	SPIRE PMW Ch09 to 12 . 10-		SPB.-	-	S069	12AXD-38	69	069-2	A		CVVUCR	33	211121 J022	084	1S 1S
013	SPIRE PMW Ch09 to 12 . 10gnd		SPB.-	-	S069	12AXD-38	69	069-2	A		CVVUCR	33	211121 J022	036	1S 1S
-															
024	SPIRE PMW Ch09 to 12 . 11+		SPB.-	-	S069	12AXD-38	69	069-3	B		CVVUCR	33	211121 J022	096	1S 1S
011	SPIRE PMW Ch09 to 12 . 11-		SPB.-	-	S069	12AXD-38	69	069-3	B		CVVUCR	33	211121 J022	085	1S 1S
013	SPIRE PMW Ch09 to 12 . 11gnd		SPB.-	-	S069	12AXD-38	69	069-3	B		CVVUCR	33	211121 J022	036	1S 1S
-															
025	SPIRE PMW Ch09 to 12 . 12+		SPB.-	-	S069	12AXD-38	69	069-4	C		CVVUCR	33	211121 J022	106	1S 1S
012	SPIRE PMW Ch09 to 12 . 12-		SPB.-	-	S069	12AXD-38	69	069-4	C		CVVUCR	33	211121 J022	107	1S 1S
013	SPIRE PMW Ch09 to 12 . 12gnd		SPB.-	-	S069	12AXD-38	69	069-4	C		CVVUCR	33	211121 J022	036	1S 1S
-															1S
013	SPIRE PMW Ch09 to 12 . SHD69		SPB.-	-	S069	12AXD-38	69			CIS-S069 con to CH	CVVUCR	33	211121 J022	036	1S 1S
CH	SPIRE PMW Ch09 to 12 . COS69		SPB.-	-	S069	12AXD-38	69			COS-S069 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List

(Harness)

Connector: 121210 P023
Item: HSJFP

Function / Bundle: SPIRE Bo. Sig. from HSJFP12 / SIH-XS-04

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch 13 to 16 . 13+		SPB.-	-	S072	12AXD-38	72	072-1	1		CVVUCR	33	211121 J022	086	1S	1S
014	SPIRE PMW Ch 13 to 16 . 13-		SPB.-	-	S072	12AXD-38	72	072-1	1		CVVUCR	33	211121 J022	087	1S	1S
013	SPIRE PMW Ch 13 to 16 . 13gnd		SPB.-	-	S072	12AXD-38	72	072-1	1		CVVUCR	33	211121 J022	128	1S	1S
-																
002	SPIRE PMW Ch 13 to 16 . 14+		SPB.-	-	S072	12AXD-38	72	072-2	2		CVVUCR	33	211121 J022	097	1S	1S
015	SPIRE PMW Ch 13 to 16 . 14-		SPB.-	-	S072	12AXD-38	72	072-2	2		CVVUCR	33	211121 J022	098	1S	1S
013	SPIRE PMW Ch 13 to 16 . 14gnd		SPB.-	-	S072	12AXD-38	72	072-2	2		CVVUCR	33	211121 J022	128	1S	1S
-																
003	SPIRE PMW Ch 13 to 16 . 15+		SPB.-	-	S072	12AXD-38	72	072-3	3		CVVUCR	33	211121 J022	108	1S	1S
016	SPIRE PMW Ch 13 to 16 . 15-		SPB.-	-	S072	12AXD-38	72	072-3	3		CVVUCR	33	211121 J022	109	1S	1S
013	SPIRE PMW Ch 13 to 16 . 15gnd		SPB.-	-	S072	12AXD-38	72	072-3	3		CVVUCR	33	211121 J022	128	1S	1S
-																
004	SPIRE PMW Ch 13 to 16 . 16+		SPB.-	-	S072	12AXD-38	72	072-4	4		CVVUCR	33	211121 J022	116	1S	1S
017	SPIRE PMW Ch 13 to 16 . 16-		SPB.-	-	S072	12AXD-38	72	072-4	4		CVVUCR	33	211121 J022	117	1S	1S
013	SPIRE PMW Ch 13 to 16 . 16gnd		SPB.-	-	S072	12AXD-38	72	072-4	4		CVVUCR	33	211121 J022	128	1S	1S
-																1S
013	SPIRE PMW Ch 13 to 16 . SHD72		SPB.-	-	S072	12AXD-38	72			CIS-S072	CVVUCR	33	211121 J022	128	1S	1S
CH	SPIRE PMW Ch 13 to 16 . COS72		SPB.-	-	S072	12AXD-38	72			COS-S072 con to CH	CVVUCR	33	211121 J022	FCR	1S	1S
-																
005	SPIRE PMW Ch17 to 19 . 17+		SPB.-	-	S073	12AXD-38	73	073-1	5		CVVUCR	33	211121 J022	055	1S	1S
018	SPIRE PMW Ch17 to 19 . 17-		SPB.-	-	S073	12AXD-38	73	073-1	5		CVVUCR	33	211121 J022	066	1S	1S
013	SPIRE PMW Ch17 to 19 . 17gnd		SPB.-	-	S073	12AXD-38	73	073-1	5		CVVUCR	33	211121 J022	128	1S	1S
-																
006	SPIRE PMW Ch17 to 19 . 18+		SPB.-	-	S073	12AXD-38	73	073-2	6		CVVUCR	33	211121 J022	067	1S	1S
019	SPIRE PMW Ch17 to 19 . 18-		SPB.-	-	S073	12AXD-38	73	073-2	6		CVVUCR	33	211121 J022	078	1S	1S
013	SPIRE PMW Ch17 to 19 . 18gnd		SPB.-	-	S073	12AXD-38	73	073-2	6		CVVUCR	33	211121 J022	128	1S	1S
-																
020	SPIRE PMW Ch17 to 19 . 19+		SPB.-	-	S073	12AXD-38	73	073-3	7		CVVUCR	33	211121 J022	076	1S	1S
007	SPIRE PMW Ch17 to 19 . 19-		SPB.-	-	S073	12AXD-38	73	073-3	7		CVVUCR	33	211121 J022	077	1S	1S
013	SPIRE PMW Ch17 to 19 . 19gnd		SPB.-	-	S073	12AXD-38	73	073-3	7		CVVUCR	33	211121 J022	128	1S	1S
-																
021	SPIRE PMW Ch 20 . 20+		SPB.-	-	S73A	12AXD-38	73	073-4	8		CVVUCR	33	211121 J022	088	1S	1S
008	SPIRE PMW Ch 20 . 20-		SPB.-	-	S73A	12AXD-38	73	073-4	8		CVVUCR	33	211121 J022	089	1S	1S
013	SPIRE PMW Ch 20 . 20gnd		SPB.-	-	S73A	12AXD-38	73	073-4	8		CVVUCR	33	211121 J022	128	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P023**Function / Bundle:** SPIRE Bo. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch17 to 19 . SHD73		SPB.-	-	S073	12AXD-38	73			CIS-S073/S73A	CVVUCR	33	211121 J022	128	1S 1S
CH	SPIRE PMW Ch17 to 19 . COS73		SPB.-	-	S073	12AXD-38	73			COS-S073/S73A con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
022	SPIRE PMW Ch21 to 24 . 21+		SPB.-	-	S074	12AXD-38	74	074-1	9		CVVUCR	33	211121 J022	099	1S 1S
009	SPIRE PMW Ch21 to 24 . 21-		SPB.-	-	S074	12AXD-38	74	074-1	9		CVVUCR	33	211121 J022	100	1S 1S
013	SPIRE PMW Ch21 to 24 . 21gnd		SPB.-	-	S074	12AXD-38	74	074-1	9		CVVUCR	33	211121 J022	128	1S 1S
-															
023	SPIRE PMW Ch21 to 24 . 22+		SPB.-	-	S074	12AXD-38	74	074-2	A		CVVUCR	33	211121 J022	110	1S 1S
010	SPIRE PMW Ch21 to 24 . 22-		SPB.-	-	S074	12AXD-38	74	074-2	A		CVVUCR	33	211121 J022	111	1S 1S
013	SPIRE PMW Ch21 to 24 . 22gnd		SPB.-	-	S074	12AXD-38	74	074-2	A		CVVUCR	33	211121 J022	128	1S 1S
-															
024	SPIRE PMW Ch21 to 24 . 23+		SPB.-	-	S074	12AXD-38	74	074-2	B		CVVUCR	33	211121 J022	118	1S 1S
011	SPIRE PMW Ch21 to 24 . 23-		SPB.-	-	S074	12AXD-38	74	074-2	B		CVVUCR	33	211121 J022	119	1S 1S
013	SPIRE PMW Ch21 to 24 . 23gnd		SPB.-	-	S074	12AXD-38	74	074-2	B		CVVUCR	33	211121 J022	128	1S 1S
-															
025	SPIRE PMW Ch21 to 24 . 24+		SPB.-	-	S074	12AXD-38	74	074-3	C		CVVUCR	33	211121 J022	112	1S 1S
012	SPIRE PMW Ch21 to 24 . 24-		SPB.-	-	S074	12AXD-38	74	074-3	C		CVVUCR	33	211121 J022	120	1S 1S
013	SPIRE PMW Ch21 to 24 . 24gnd		SPB.-	-	S074	12AXD-38	74	074-3	C		CVVUCR	33	211121 J022	128	1S 1S
-															1S
013	SPIRE PMW Ch21 to 24 . SHD74		SPB.-	-	S074	12AXD-38	74			CIS-S074	CVVUCR	33	211121 J022	128	1S 1S
CH	SPIRE PMW Ch21 to 24 . COS74		SPB.-	-	S074	12AXD-38	74			COS-S074 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List

(Harness)

Connector: 121210 P022
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch25 to 28 . 25+		SPB.-	-	S076	12AXD-38	76	076-1	1		CVVUCR	33	211121 J022	090	1S	1S
014	SPIRE PMW Ch25 to 28 . 25-		SPB.-	-	S076	12AXD-38	76	076-1	1		CVVUCR	33	211121 J022	079	1S	1S
013	SPIRE PMW Ch25 to 28 . 25gnd		SPB.-	-	S076	12AXD-38	76	076-1	1		CVVUCR	33	211121 J022	047	1S	1S
-																
002	SPIRE PMW Ch25 to 28 . 26+		SPB.-	-	S076	12AXD-38	76	076-2	2		CVVUCR	33	211121 J022	102	1S	1S
015	SPIRE PMW Ch25 to 28 . 26-		SPB.-	-	S076	12AXD-38	76	076-2	2		CVVUCR	33	211121 J022	101	1S	1S
013	SPIRE PMW Ch25 to 28 . 26gnd		SPB.-	-	S076	12AXD-38	76	076-2	2		CVVUCR	33	211121 J022	047	1S	1S
-																
003	SPIRE PMW Ch25 to 28 . 27+		SPB.-	-	S076	12AXD-38	76	076-3	3		CVVUCR	33	211121 J022	092	1S	1S
016	SPIRE PMW Ch25 to 28 . 27-		SPB.-	-	S076	12AXD-38	76	076-3	3		CVVUCR	33	211121 J022	091	1S	1S
013	SPIRE PMW Ch25 to 28 . 27gnd		SPB.-	-	S076	12AXD-38	76	076-3	3		CVVUCR	33	211121 J022	047	1S	1S
-																
004	SPIRE PMW Ch25 to 28 . 28+		SPB.-	-	S076	12AXD-38	76	076-4	4		CVVUCR	33	211121 J022	103	1S	1S
017	SPIRE PMW Ch25 to 28 . 28-		SPB.-	-	S076	12AXD-38	76	076-4	4		CVVUCR	33	211121 J022	113	1S	1S
013	SPIRE PMW Ch25 to 28 . 28gnd		SPB.-	-	S076	12AXD-38	76	076-4	4		CVVUCR	33	211121 J022	047	1S	1S
-																1S
013	SPIRE PMW Ch25 to 28 . SHD76		SPB.-	-	S076	12AXD-38	76			CIS-S076	CVVUCR	33	211121 J022	047	1S	1S
CH	SPIRE PMW Ch25 to 28 . COS76		SPB.-	-	S076	12AXD-38	76			COS-S076 con to CH	CVVUCR	33	211121 J022	FCR	1S	1S
-																
005	SPIRE PMW Ch29 to 32 . 29+		SPB.-	-	S077	12AXD-38	77	077-1	5		CVVUCR	33	211121 J022	058	1S	1S
018	SPIRE PMW Ch29 to 32 . 29-		SPB.-	-	S077	12AXD-38	77	077-1	5		CVVUCR	33	211121 J022	046	1S	1S
013	SPIRE PMW Ch29 to 32 . 29gnd		SPB.-	-	S077	12AXD-38	77	077-1	5		CVVUCR	33	211121 J022	047	1S	1S
-																
006	SPIRE PMW Ch29 to 32 . 30+		SPB.-	-	S077	12AXD-38	77	077-2	6		CVVUCR	33	211121 J022	068	1S	1S
019	SPIRE PMW Ch29 to 32 . 30-		SPB.-	-	S077	12AXD-38	77	077-2	6		CVVUCR	33	211121 J022	057	1S	1S
013	SPIRE PMW Ch29 to 32 . 30gnd		SPB.-	-	S077	12AXD-38	77	077-2	6		CVVUCR	33	211121 J022	047	1S	1S
-																
020	SPIRE PMW Ch29 to 32 . 31+		SPB.-	-	S077	12AXD-38	77	077-3	7		CVVUCR	33	211121 J022	069	1S	1S
007	SPIRE PMW Ch29 to 32 . 31-		SPB.-	-	S077	12AXD-38	77	077-3	7		CVVUCR	33	211121 J022	080	1S	1S
013	SPIRE PMW Ch29 to 32 . 31gnd		SPB.-	-	S077	12AXD-38	77	077-3	7		CVVUCR	33	211121 J022	047	1S	1S
-																
021	SPIRE PMW Ch29 to 32 . 32+		SPB.-	-	S077	12AXD-38	77	077-4	8		CVVUCR	33	211121 J022	070	1S	1S
008	SPIRE PMW Ch29 to 32 . 32-		SPB.-	-	S077	12AXD-38	77	077-4	8		CVVUCR	33	211121 J022	081	1S	1S
013	SPIRE PMW Ch29 to 32 . 32gnd		SPB.-	-	S077	12AXD-38	77	077-4	8		CVVUCR	33	211121 J022	047	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P022
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch29 to 32 . SHD77		SPB.-	-	S077	12AXD-38	77			CIS-S077	CVVUCR	33	211121 J022	047	1S 1S
CH	SPIRE PMW Ch29 to 32 . COS77		SPB.-	-	S077	12AXD-38	77			COS-S077 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
022	SPIRE PMW Ch33 to 35 . 33+		SPB.-	-	S078	12AXD-38	78	078-1	9		CVVUCR	33	211121 J022	023	1S 1S
009	SPIRE PMW Ch33 to 35 . 33-		SPB.-	-	S078	12AXD-38	78	078-1	9		CVVUCR	33	211121 J022	034	1S 1S
013	SPIRE PMW Ch33 to 35 . 33gnd		SPB.-	-	S078	12AXD-38	78	078-1	9		CVVUCR	33	211121 J022	047	1S 1S
-															
023	SPIRE PMW Ch33 to 35 . 34+		SPB.-	-	S078	12AXD-38	78	078-2	A		CVVUCR	33	211121 J022	033	1S 1S
010	SPIRE PMW Ch33 to 35 . 34-		SPB.-	-	S078	12AXD-38	78	078-2	A		CVVUCR	33	211121 J022	045	1S 1S
013	SPIRE PMW Ch33 to 35 . 34gnd		SPB.-	-	S078	12AXD-38	78	078-2	A		CVVUCR	33	211121 J022	047	1S 1S
-															
024	SPIRE PMW Ch33 to 35 . 35+		SPB.-	-	S078	12AXD-38	78	078-3	B		CVVUCR	33	211121 J022	044	1S 1S
011	SPIRE PMW Ch33 to 35 . 35-		SPB.-	-	S078	12AXD-38	78	078-3	B		CVVUCR	33	211121 J022	056	1S 1S
013	SPIRE PMW Ch33 to 35 . 35gnd		SPB.-	-	S078	12AXD-38	78	078-3	B		CVVUCR	33	211121 J022	047	1S 1S
-															
025	SPIRE PMW Ch36 . 36+		SPB.-	-	S78A	12AXD-38	78	078-4	C		CVVUCR	33	211121 J022	022	1S 1S
012	SPIRE PMW Ch36 . 36-		SPB.-	-	S78A	12AXD-38	78	078-4	C		CVVUCR	33	211121 J022	032	1S 1S
013	SPIRE PMW Ch36 . 36gnd		SPB.-	-	S78A	12AXD-38	78	078-4	C		CVVUCR	33	211121 J022	047	1S 1S
-															1S
013	SPIRE PMW Ch33 to 35 . SHD78		SPB.-	-	S078	12AXD-38	78			CIS-S078/S78A	CVVUCR	33	211121 J022	047	1S 1S
CH	SPIRE PMW Ch33 to 35 . COS78		SPB.-	-	S078	12AXD-38	78			COS-S78/S78A con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List (Harness)

Connector: 121210 P021
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch37 to 40 . 37+		SPB.-	-	S083	12AXD-38	83	083-1	1		CVVUCR	33	211121 J022	013	1S	1S
014	SPIRE PMW Ch37 to 40 . 37-		SPB.-	-	S083	12AXD-38	83	083-1	1		CVVUCR	33	211121 J022	012	1S	1S
013	SPIRE PMW Ch37 to 40 . 37gnd		SPB.-	-	S083	12AXD-38	83	083-1	1		CVVUCR	33	211121 J022	004	1S	1S
-																
002	SPIRE PMW Ch37 to 40 . 38+		SPB.-	-	S083	12AXD-38	83	083-2	2		CVVUCR	33	211121 J022	021	1S	1S
015	SPIRE PMW Ch37 to 40 . 38-		SPB.-	-	S083	12AXD-38	83	083-2	2		CVVUCR	33	211121 J022	020	1S	1S
013	SPIRE PMW Ch37 to 40 . 38gnd		SPB.-	-	S083	12AXD-38	83	083-2	2		CVVUCR	33	211121 J022	004	1S	1S
-																
003	SPIRE PMW Ch37 to 40 . 39+		SPB.-	-	S083	12AXD-38	83	083-3	3		CVVUCR	33	211121 J022	031	1S	1S
016	SPIRE PMW Ch37 to 40 . 39-		SPB.-	-	S083	12AXD-38	83	083-3	3		CVVUCR	33	211121 J022	043	1S	1S
013	SPIRE PMW Ch37 to 40 . 39gnd		SPB.-	-	S083	12AXD-38	83	083-3	3		CVVUCR	33	211121 J022	004	1S	1S
-																
004	SPIRE PMW Ch37 to 40 . 40+		SPB.-	-	S083	12AXD-38	83	083-4	4		CVVUCR	33	211121 J022	042	1S	1S
017	SPIRE PMW Ch37 to 40 . 40-		SPB.-	-	S083	12AXD-38	83	083-4	4		CVVUCR	33	211121 J022	054	1S	1S
013	SPIRE PMW Ch37 to 40 . 40gnd		SPB.-	-	S083	12AXD-38	83	083-4	4		CVVUCR	33	211121 J022	004	1S	1S
-																1S
013	SPIRE PMW Ch37 to 40 . SHD83		SPB.-	-	S083	12AXD-38	83			CIS-S083	CVVUCR	33	211121 J022	004	1S	1S
CH	SPIRE PMW Ch37 to 40 . COS83		SPB.-	-	S083	12AXD-38	83			COS-S083 con to CH	CVVUCR	33	211121 J022	FCR	1S	1S
-																
005	SPIRE PMW Ch41 to 44 . 41+		SPB.-	-	S081	12AXD-38	81	081-1	5		CVVUCR	33	211121 J022	010	1S	1S
018	SPIRE PMW Ch41 to 44 . 41-		SPB.-	-	S081	12AXD-38	81	081-1	5		CVVUCR	33	211121 J022	011	1S	1S
013	SPIRE PMW Ch41 to 44 . 41gnd		SPB.-	-	S081	12AXD-38	81	081-1	5		CVVUCR	33	211121 J022	004	1S	1S
-																
006	SPIRE PMW Ch41 to 44 . 42+		SPB.-	-	S081	12AXD-38	81	081-2	6		CVVUCR	33	211121 J022	019	1S	1S
019	SPIRE PMW Ch41 to 44 . 42-		SPB.-	-	S081	12AXD-38	81	081-2	6		CVVUCR	33	211121 J022	029	1S	1S
013	SPIRE PMW Ch41 to 44 . 42gnd		SPB.-	-	S081	12AXD-38	81	081-2	6		CVVUCR	33	211121 J022	004	1S	1S
-																
020	SPIRE PMW Ch41 to 44 . 43+		SPB.-	-	S081	12AXD-38	81	081-3	7		CVVUCR	33	211121 J022	041	1S	1S
007	SPIRE PMW Ch41 to 44 . 43-		SPB.-	-	S081	12AXD-38	81	081-3	7		CVVUCR	33	211121 J022	030	1S	1S
013	SPIRE PMW Ch41 to 44 . 43gnd		SPB.-	-	S081	12AXD-38	81	081-3	7		CVVUCR	33	211121 J022	004	1S	1S
-																
021	SPIRE PMW Ch41 to 44 . 44+		SPB.-	-	S081	12AXD-38	81	081-4	8		CVVUCR	33	211121 J022	053	1S	1S
008	SPIRE PMW Ch41 to 44 . 44-		SPB.-	-	S081	12AXD-38	81	081-4	8		CVVUCR	33	211121 J022	052	1S	1S
013	SPIRE PMW Ch41 to 44 . 44gnd		SPB.-	-	S081	12AXD-38	81	081-4	8		CVVUCR	33	211121 J022	004	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P021**Function / Bundle:** SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch41 to 44 . SHD81		SPB.-	-	S081	12AXD-38	81			CIS-S081	CVVUCR	33	211121 J022	004	1S 1S
CH	SPIRE PMW Ch41 to 44 . COS81		SPB.-	-	S081	12AXD-38	81			COS-S081 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
022	SPIRE PMW Ch45 to 48 . 45+		SPB.-	-	S082	12AXD-38	82	082-1	9		CVVUCR	33	211121 J022	009	1S 1S
009	SPIRE PMW Ch45 to 48 . 45-		SPB.-	-	S082	12AXD-38	82	082-1	9		CVVUCR	33	211121 J022	017	1S 1S
013	SPIRE PMW Ch45 to 48 . 45gnd		SPB.-	-	S082	12AXD-38	82	082-1	9		CVVUCR	33	211121 J022	004	1S 1S
-															
023	SPIRE PMW Ch45 to 48 . 46+		SPB.-	-	S082	12AXD-38	82	082-2	A		CVVUCR	33	211121 J022	018	1S 1S
010	SPIRE PMW Ch45 to 48 . 46-		SPB.-	-	S082	12AXD-38	82	082-2	A		CVVUCR	33	211121 J022	028	1S 1S
013	SPIRE PMW Ch45 to 48 . 46gnd		SPB.-	-	S082	12AXD-38	82	082-2	A		CVVUCR	33	211121 J022	004	1S 1S
-															
024	SPIRE PMW Ch45 to 48 . 47+		SPB.-	-	S082	12AXD-38	82	082-3	B		CVVUCR	33	211121 J022	016	1S 1S
011	SPIRE PMW Ch45 to 48 . 47-		SPB.-	-	S082	12AXD-38	82	082-3	B		CVVUCR	33	211121 J022	027	1S 1S
013	SPIRE PMW Ch45 to 48 . 47gnd		SPB.-	-	S082	12AXD-38	82	082-3	B		CVVUCR	33	211121 J022	004	1S 1S
-															
025	SPIRE PMW Ch45 to 48 . 48+		SPB.-	-	S082	12AXD-38	82	082-4	C		CVVUCR	33	211121 J022	040	1S 1S
012	SPIRE PMW Ch45 to 48 . 48-		SPB.-	-	S082	12AXD-38	82	082-4	C		CVVUCR	33	211121 J022	039	1S 1S
013	SPIRE PMW Ch45 to 48 . 48gnd		SPB.-	-	S082	12AXD-38	82	082-4	C		CVVUCR	33	211121 J022	004	1S 1S
-															1S
013	SPIRE PMW Ch45 to 48 . SHD82		SPB.-	-	S082	12AXD-38	82			CIS-S082	CVVUCR	33	211121 J022	004	1S 1S
CH	SPIRE PMW Ch45 to 48 . COS82		SPB.-	-	S082	12AXD-38	82			COS-S082 con to CH	CVVUCR	33	211121 J022	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List

(Harness)

Connector: 211121 J022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PMW Ch01 to 04 . 1+		SPB.-	-	S067	12AXD-38	67	067-1	1		HSJFP	75	121210 P024	001	1S	1S
037	SPIRE PMW Ch01 to 04 . 1-		SPB.-	-	S067	12AXD-38	67	067-1	1		HSJFP	75	121210 P024	014	1S	1S
036	SPIRE PMW Ch01 to 04 . 1gnd		SPB.-	-	S067	12AXD-38	67	067-1	1		HSJFP	75	121210 P024	013	1S	1S
-																
038	SPIRE PMW Ch01 to 04 . 2+		SPB.-	-	S067	12AXD-38	67	067-2	2		HSJFP	75	121210 P024	002	1S	1S
049	SPIRE PMW Ch01 to 04 . 2-		SPB.-	-	S067	12AXD-38	67	067-2	2		HSJFP	75	121210 P024	015	1S	1S
036	SPIRE PMW Ch01 to 04 . 2gnd		SPB.-	-	S067	12AXD-38	67	067-2	2		HSJFP	75	121210 P024	013	1S	1S
-																
048	SPIRE PMW Ch01 to 04 . 3+		SPB.-	-	S067	12AXD-38	67	067-3	3		HSJFP	75	121210 P024	003	1S	1S
060	SPIRE PMW Ch01 to 04 . 3-		SPB.-	-	S067	12AXD-38	67	067-3	3		HSJFP	75	121210 P024	016	1S	1S
036	SPIRE PMW Ch01 to 04 . 3gnd		SPB.-	-	S067	12AXD-38	67	067-3	3		HSJFP	75	121210 P024	013	1S	1S
-																
059	SPIRE PMW Ch01 to 04 . 4+		SPB.-	-	S067	12AXD-38	67	067-4	4		HSJFP	75	121210 P024	004	1S	1S
071	SPIRE PMW Ch01 to 04 . 4-		SPB.-	-	S067	12AXD-38	67	067-4	4		HSJFP	75	121210 P024	017	1S	1S
036	SPIRE PMW Ch01 to 04 . 4gnd		SPB.-	-	S067	12AXD-38	67	067-4	4		HSJFP	75	121210 P024	013	1S	1S
-																1S
036	SPIRE PMW Ch01 to 04 . SHD67		SPB.-	-	S067	12AXD-38	67			CIS-S067	HSJFP	75	121210 P024	013	1S	1S
FCR	SPIRE PMW Ch01 to 04 . COS67		SPB.-	-	S067	12AXD-38	67			COS-S067 con to FCR	HSJFP	75	121210 P024	CH	1S	1S
-																
050	SPIRE PMW Ch05 to 08 . 5+		SPB.-	-	S068	12AXD-38	68	068-1	5		HSJFP	75	121210 P024	005	1S	1S
061	SPIRE PMW Ch05 to 08 . 5-		SPB.-	-	S068	12AXD-38	68	068-1	5		HSJFP	75	121210 P024	018	1S	1S
036	SPIRE PMW Ch05 to 08 . 5gnd		SPB.-	-	S068	12AXD-38	68	068-1	5		HSJFP	75	121210 P024	013	1S	1S
-																
062	SPIRE PMW Ch05 to 08 . 6+		SPB.-	-	S068	12AXD-38	68	068-2	6		HSJFP	75	121210 P024	006	1S	1S
051	SPIRE PMW Ch05 to 08 . 6-		SPB.-	-	S068	12AXD-38	68	068-2	6		HSJFP	75	121210 P024	019	1S	1S
036	SPIRE PMW Ch05 to 08 . 6gnd		SPB.-	-	S068	12AXD-38	68	068-2	6		HSJFP	75	121210 P024	013	1S	1S
-																
063	SPIRE PMW Ch05 to 08 . 7+		SPB.-	-	S068	12AXD-38	68	068-3	7		HSJFP	75	121210 P024	020	1S	1S
075	SPIRE PMW Ch05 to 08 . 7-		SPB.-	-	S068	12AXD-38	68	068-3	7		HSJFP	75	121210 P024	007	1S	1S
036	SPIRE PMW Ch05 to 08 . 7gnd		SPB.-	-	S068	12AXD-38	68	068-3	7		HSJFP	75	121210 P024	013	1S	1S
-																
074	SPIRE PMW Ch05 to 08 . 8+		SPB.-	-	S068	12AXD-38	68	068-4	8		HSJFP	75	121210 P024	021	1S	1S
073	SPIRE PMW Ch05 to 08 . 8-		SPB.-	-	S068	12AXD-38	68	068-4	8		HSJFP	75	121210 P024	008	1S	1S
036	SPIRE PMW Ch05 to 08 . 8gnd		SPB.-	-	S068	12AXD-38	68	068-4	8		HSJFP	75	121210 P024	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PMW Ch05 to 08 . SHD68		SPB.-	-	S068	12AXD-38	68			CIS-S068	HSJFP	75	121210 P024	013	1S 1S
FCR	SPIRE PMW Ch05 to 08 . COS68		SPB.-	-	S068	12AXD-38	68			COS-S068 con to FCR	HSJFP	75	121210 P024	CH	1S 1S
-															
083	SPIRE PMW Ch09 to 12 . 9+		SPB.-	-	S069	12AXD-38	69	069-1	9		HSJFP	75	121210 P024	022	1S 1S
072	SPIRE PMW Ch09 to 12 . 9-		SPB.-	-	S069	12AXD-38	69	069-1	9		HSJFP	75	121210 P024	009	1S 1S
036	SPIRE PMW Ch09 to 12 . 9gnd		SPB.-	-	S069	12AXD-38	69	069-1	9		HSJFP	75	121210 P024	013	1S 1S
-															
095	SPIRE PMW Ch09 to 12 . 10+		SPB.-	-	S069	12AXD-38	69	069-2	A		HSJFP	75	121210 P024	023	1S 1S
084	SPIRE PMW Ch09 to 12 . 10-		SPB.-	-	S069	12AXD-38	69	069-2	A		HSJFP	75	121210 P024	010	1S 1S
036	SPIRE PMW Ch09 to 12 . 10gnd		SPB.-	-	S069	12AXD-38	69	069-2	A		HSJFP	75	121210 P024	013	1S 1S
-															
096	SPIRE PMW Ch09 to 12 . 11+		SPB.-	-	S069	12AXD-38	69	069-3	B		HSJFP	75	121210 P024	024	1S 1S
085	SPIRE PMW Ch09 to 12 . 11-		SPB.-	-	S069	12AXD-38	69	069-3	B		HSJFP	75	121210 P024	011	1S 1S
036	SPIRE PMW Ch09 to 12 . 11gnd		SPB.-	-	S069	12AXD-38	69	069-3	B		HSJFP	75	121210 P024	013	1S 1S
-															
106	SPIRE PMW Ch09 to 12 . 12+		SPB.-	-	S069	12AXD-38	69	069-4	C		HSJFP	75	121210 P024	025	1S 1S
107	SPIRE PMW Ch09 to 12 . 12-		SPB.-	-	S069	12AXD-38	69	069-4	C		HSJFP	75	121210 P024	012	1S 1S
036	SPIRE PMW Ch09 to 12 . 12gnd		SPB.-	-	S069	12AXD-38	69	069-4	C		HSJFP	75	121210 P024	013	1S 1S
-															1S
036	SPIRE PMW Ch09 to 12 . SHD69		SPB.-	-	S069	12AXD-38	69			CIS-S069	HSJFP	75	121210 P024	013	1S 1S
FCR	SPIRE PMW Ch09 to 12 . COS69		SPB.-	-	S069	12AXD-38	69			COS-S069 con to FCR	HSJFP	75	121210 P024	CH	1S 1S
-															
086	SPIRE PMW Ch 13 to 16 . 13+		SPB.-	-	S072	12AXD-38	72	072-1	D		HSJFP	75	121210 P023	001	1S 1S
087	SPIRE PMW Ch 13 to 16 . 13-		SPB.-	-	S072	12AXD-38	72	072-1	D		HSJFP	75	121210 P023	014	1S 1S
128	SPIRE PMW Ch 13 to 16 . 13gnd		SPB.-	-	S072	12AXD-38	72	072-1	D		HSJFP	75	121210 P023	013	1S 1S
-															
097	SPIRE PMW Ch 13 to 16 . 14+		SPB.-	-	S072	12AXD-38	72	072-2	E		HSJFP	75	121210 P023	002	1S 1S
098	SPIRE PMW Ch 13 to 16 . 14-		SPB.-	-	S072	12AXD-38	72	072-2	E		HSJFP	75	121210 P023	015	1S 1S
128	SPIRE PMW Ch 13 to 16 . 14gnd		SPB.-	-	S072	12AXD-38	72	072-2	E		HSJFP	75	121210 P023	013	1S 1S
-															
108	SPIRE PMW Ch 13 to 16 . 15+		SPB.-	-	S072	12AXD-38	72	072-3	F		HSJFP	75	121210 P023	003	1S 1S
109	SPIRE PMW Ch 13 to 16 . 15-		SPB.-	-	S072	12AXD-38	72	072-3	F		HSJFP	75	121210 P023	016	1S 1S
128	SPIRE PMW Ch 13 to 16 . 15gnd		SPB.-	-	S072	12AXD-38	72	072-3	F		HSJFP	75	121210 P023	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
-																
116	SPIRE PMW Ch 13 to 16 . 16+		SPB.-	-	S072	12AXD-38	72	072-4	G		HSJFP	75	121210 P023	004	1S	1S
117	SPIRE PMW Ch 13 to 16 . 16-		SPB.-	-	S072	12AXD-38	72	072-4	G		HSJFP	75	121210 P023	017	1S	1S
128	SPIRE PMW Ch 13 to 16 . 16gnd		SPB.-	-	S072	12AXD-38	72	072-4	G		HSJFP	75	121210 P023	013	1S	1S
-																1S
128	SPIRE PMW Ch 13 to 16 . SHD72		SPB.-	-	S072	12AXD-38	72			CIS-S072	HSJFP	75	121210 P023	013	1S	1S
FCR	SPIRE PMW Ch 13 to 16 . COS72		SPB.-	-	S072	12AXD-38	72			COS-S072 con to FCR	HSJFP	75	121210 P023	CH	1S	1S
-																
055	SPIRE PMW Ch17 to 19 . 17+		SPB.-	-	S073	12AXD-38	73	073-1	H		HSJFP	75	121210 P023	005	1S	1S
066	SPIRE PMW Ch17 to 19 . 17-		SPB.-	-	S073	12AXD-38	73	073-1	H		HSJFP	75	121210 P023	018	1S	1S
128	SPIRE PMW Ch17 to 19 . 17gnd		SPB.-	-	S073	12AXD-38	73	073-1	H		HSJFP	75	121210 P023	013	1S	1S
-																
067	SPIRE PMW Ch17 to 19 . 18+		SPB.-	-	S073	12AXD-38	73	073-2	J		HSJFP	75	121210 P023	006	1S	1S
078	SPIRE PMW Ch17 to 19 . 18-		SPB.-	-	S073	12AXD-38	73	073-2	J		HSJFP	75	121210 P023	019	1S	1S
128	SPIRE PMW Ch17 to 19 . 18gnd		SPB.-	-	S073	12AXD-38	73	073-2	J		HSJFP	75	121210 P023	013	1S	1S
-																
076	SPIRE PMW Ch17 to 19 . 19+		SPB.-	-	S073	12AXD-38	73	073-3	K		HSJFP	75	121210 P023	020	1S	1S
077	SPIRE PMW Ch17 to 19 . 19-		SPB.-	-	S073	12AXD-38	73	073-3	K		HSJFP	75	121210 P023	007	1S	1S
128	SPIRE PMW Ch17 to 19 . 19gnd		SPB.-	-	S073	12AXD-38	73	073-3	K		HSJFP	75	121210 P023	013	1S	1S
-																
088	SPIRE PMW Ch 20 . 20+		SPB.-	-	S73A	12AXD-38	73	073-4	L		HSJFP	75	121210 P023	021	1S	1S
089	SPIRE PMW Ch 20 . 20-		SPB.-	-	S73A	12AXD-38	73	073-4	L		HSJFP	75	121210 P023	008	1S	1S
128	SPIRE PMW Ch 20 . 20gnd		SPB.-	-	S73A	12AXD-38	73	073-4	L		HSJFP	75	121210 P023	013	1S	1S
-																1S
128	SPIRE PMW Ch17 to 19 . SHD73		SPB.-	-	S073	12AXD-38	73			CIS-S073/S73A	HSJFP	75	121210 P023	013	1S	1S
FCR	SPIRE PMW Ch17 to 19 . COS73		SPB.-	-	S073	12AXD-38	73			COS-S073/S73A con to FCR	HSJFP	75	121210 P023	CH	1S	1S
-																
099	SPIRE PMW Ch21 to 24 . 21+		SPB.-	-	S074	12AXD-38	74	074-1	M		HSJFP	75	121210 P023	022	1S	1S
100	SPIRE PMW Ch21 to 24 . 21-		SPB.-	-	S074	12AXD-38	74	074-1	M		HSJFP	75	121210 P023	009	1S	1S
128	SPIRE PMW Ch21 to 24 . 21gnd		SPB.-	-	S074	12AXD-38	74	074-1	M		HSJFP	75	121210 P023	013	1S	1S
-																
110	SPIRE PMW Ch21 to 24 . 22+		SPB.-	-	S074	12AXD-38	74	074-2	N		HSJFP	75	121210 P023	023	1S	1S
111	SPIRE PMW Ch21 to 24 . 22-		SPB.-	-	S074	12AXD-38	74	074-2	N		HSJFP	75	121210 P023	010	1S	1S
128	SPIRE PMW Ch21 to 24 . 22gnd		SPB.-	-	S074	12AXD-38	74	074-2	N		HSJFP	75	121210 P023	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
118	SPIRE PMW Ch21 to 24 . 23+		SPB.-	-	S074	12AXD-38	74	074-3	P		HSJFP	75	121210 P023	024	1S 1S
119	SPIRE PMW Ch21 to 24 . 23-		SPB.-	-	S074	12AXD-38	74	074-3	P		HSJFP	75	121210 P023	011	1S 1S
128	SPIRE PMW Ch21 to 24 . 23gnd		SPB.-	-	S074	12AXD-38	74	074-3	P		HSJFP	75	121210 P023	013	1S 1S
-															
112	SPIRE PMW Ch21 to 24 . 24+		SPB.-	-	S074	12AXD-38	74	074-4	Q		HSJFP	75	121210 P023	025	1S 1S
120	SPIRE PMW Ch21 to 24 . 24-		SPB.-	-	S074	12AXD-38	74	074-4	Q		HSJFP	75	121210 P023	012	1S 1S
128	SPIRE PMW Ch21 to 24 . 24gnd		SPB.-	-	S074	12AXD-38	74	074-4	Q		HSJFP	75	121210 P023	013	1S 1S
-															1S
128	SPIRE PMW Ch21 to 24 . SHD74		SPB.-	-	S074	12AXD-38	74			CIS-S074	HSJFP	75	121210 P023	013	1S 1S
FCR	SPIRE PMW Ch21 to 24 . COS74		SPB.-	-	S074	12AXD-38	74			COS-S074 con to FCR	HSJFP	75	121210 P023	CH	1S 1S
-															
090	SPIRE PMW Ch25 to 28 . 25+		SPB.-	-	S076	12AXD-38	76	076-1	R		HSJFP	75	121210 P022	001	1S 1S
079	SPIRE PMW Ch25 to 28 . 25-		SPB.-	-	S076	12AXD-38	76	076-1	R		HSJFP	75	121210 P022	014	1S 1S
047	SPIRE PMW Ch25 to 28 . 25gnd		SPB.-	-	S076	12AXD-38	76	076-1	R		HSJFP	75	121210 P022	013	1S 1S
-															
102	SPIRE PMW Ch25 to 28 . 26+		SPB.-	-	S076	12AXD-38	76	076-2	S		HSJFP	75	121210 P022	002	1S 1S
101	SPIRE PMW Ch25 to 28 . 26-		SPB.-	-	S076	12AXD-38	76	076-2	S		HSJFP	75	121210 P022	015	1S 1S
047	SPIRE PMW Ch25 to 28 . 26gnd		SPB.-	-	S076	12AXD-38	76	076-2	S		HSJFP	75	121210 P022	013	1S 1S
-															
092	SPIRE PMW Ch25 to 28 . 27+		SPB.-	-	S076	12AXD-38	76	076-3	T		HSJFP	75	121210 P022	003	1S 1S
091	SPIRE PMW Ch25 to 28 . 27-		SPB.-	-	S076	12AXD-38	76	076-3	T		HSJFP	75	121210 P022	016	1S 1S
047	SPIRE PMW Ch25 to 28 . 27gnd		SPB.-	-	S076	12AXD-38	76	076-3	T		HSJFP	75	121210 P022	013	1S 1S
-															
103	SPIRE PMW Ch25 to 28 . 28+		SPB.-	-	S076	12AXD-38	76	076-4	U		HSJFP	75	121210 P022	004	1S 1S
113	SPIRE PMW Ch25 to 28 . 28-		SPB.-	-	S076	12AXD-38	76	076-4	U		HSJFP	75	121210 P022	017	1S 1S
047	SPIRE PMW Ch25 to 28 . 28gnd		SPB.-	-	S076	12AXD-38	76	076-4	U		HSJFP	75	121210 P022	013	1S 1S
-															1S
047	SPIRE PMW Ch25 to 28 . SHD76		SPB.-	-	S076	12AXD-38	76			CIS-S076	HSJFP	75	121210 P022	013	1S 1S
FCR	SPIRE PMW Ch25 to 28 . COS76		SPB.-	-	S076	12AXD-38	76			COS-S076 con to FCR	HSJFP	75	121210 P022	CH	1S 1S
-															
058	SPIRE PMW Ch29 to 32 . 29+		SPB.-	-	S077	12AXD-38	77	077-1	V		HSJFP	75	121210 P022	005	1S 1S
046	SPIRE PMW Ch29 to 32 . 29-		SPB.-	-	S077	12AXD-38	77	077-1	V		HSJFP	75	121210 P022	018	1S 1S
047	SPIRE PMW Ch29 to 32 . 29gnd		SPB.-	-	S077	12AXD-38	77	077-1	V		HSJFP	75	121210 P022	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
068	SPIRE PMW Ch29 to 32 . 30+		SPB.-	-	S077	12AXD-38	77	077-2	W		HSJFP	75	121210 P022	006	1S 1S
057	SPIRE PMW Ch29 to 32 . 30-		SPB.-	-	S077	12AXD-38	77	077-2	W		HSJFP	75	121210 P022	019	1S 1S
047	SPIRE PMW Ch29 to 32 . 30gnd		SPB.-	-	S077	12AXD-38	77	077-2	W		HSJFP	75	121210 P022	013	1S 1S
-															
069	SPIRE PMW Ch29 to 32 . 31+		SPB.-	-	S077	12AXD-38	77	077-3	X		HSJFP	75	121210 P022	020	1S 1S
080	SPIRE PMW Ch29 to 32 . 31-		SPB.-	-	S077	12AXD-38	77	077-3	X		HSJFP	75	121210 P022	007	1S 1S
047	SPIRE PMW Ch29 to 32 . 31gnd		SPB.-	-	S077	12AXD-38	77	077-3	X		HSJFP	75	121210 P022	013	1S 1S
-															
070	SPIRE PMW Ch29 to 32 . 32+		SPB.-	-	S077	12AXD-38	77	077-4	Y		HSJFP	75	121210 P022	021	1S 1S
081	SPIRE PMW Ch29 to 32 . 32-		SPB.-	-	S077	12AXD-38	77	077-4	Y		HSJFP	75	121210 P022	008	1S 1S
047	SPIRE PMW Ch29 to 32 . 32gnd		SPB.-	-	S077	12AXD-38	77	077-4	Y		HSJFP	75	121210 P022	013	1S 1S
-															1S
047	SPIRE PMW Ch29 to 32 . SHD77		SPB.-	-	S077	12AXD-38	77			CIS-S077	HSJFP	75	121210 P022	013	1S 1S
FCR	SPIRE PMW Ch29 to 32 . COS77		SPB.-	-	S077	12AXD-38	77			COS-S077 con to FCR	HSJFP	75	121210 P022	CH	1S 1S
-															
023	SPIRE PMW Ch33 to 35 . 33+		SPB.-	-	S078	12AXD-38	78	078-1	Z		HSJFP	75	121210 P022	022	1S 1S
034	SPIRE PMW Ch33 to 35 . 33-		SPB.-	-	S078	12AXD-38	78	078-1	Z		HSJFP	75	121210 P022	009	1S 1S
047	SPIRE PMW Ch33 to 35 . 33gnd		SPB.-	-	S078	12AXD-38	78	078-1	Z		HSJFP	75	121210 P022	013	1S 1S
-															
033	SPIRE PMW Ch33 to 35 . 34+		SPB.-	-	S078	12AXD-38	78	078-2	a		HSJFP	75	121210 P022	023	1S 1S
045	SPIRE PMW Ch33 to 35 . 34-		SPB.-	-	S078	12AXD-38	78	078-2	a		HSJFP	75	121210 P022	010	1S 1S
047	SPIRE PMW Ch33 to 35 . 34gnd		SPB.-	-	S078	12AXD-38	78	078-2	a		HSJFP	75	121210 P022	013	1S 1S
-															
044	SPIRE PMW Ch33 to 35 . 35+		SPB.-	-	S078	12AXD-38	78	078-3	b		HSJFP	75	121210 P022	024	1S 1S
056	SPIRE PMW Ch33 to 35 . 35-		SPB.-	-	S078	12AXD-38	78	078-3	b		HSJFP	75	121210 P022	011	1S 1S
047	SPIRE PMW Ch33 to 35 . 35gnd		SPB.-	-	S078	12AXD-38	78	078-3	b		HSJFP	75	121210 P022	013	1S 1S
-															
022	SPIRE PMW Ch36 . 36+		SPB.-	-	S78A	12AXD-38	78	078-4	c		HSJFP	75	121210 P022	025	1S 1S
032	SPIRE PMW Ch36 . 36-		SPB.-	-	S78A	12AXD-38	78	078-4	c		HSJFP	75	121210 P022	012	1S 1S
047	SPIRE PMW Ch36 . 36gnd		SPB.-	-	S78A	12AXD-38	78	078-4	c		HSJFP	75	121210 P022	013	1S 1S
-															1S
047	SPIRE PMW Ch33 to 35 . SHD78		SPB.-	-	S078	12AXD-38	78			CIS-S078/S78A	HSJFP	75	121210 P022	013	1S 1S
FCR	SPIRE PMW Ch33 to 35 . COS78		SPB.-	-	S078	12AXD-38	78			COS-S078/S78A con to FCR	HSJFP	75	121210 P022	CH	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J022**Function / Bundle:** UFThr 193.0° / SIH-XS-04**Conn.-Type:** 197-011P24-35PN (Junct.)**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
-																
013	SPIRE PMW Ch37 to 40 . 37+		SPB.-	-	S083	12AXD-38	83	083-1	d		HSJFP	75	121210 P021	001	1S	1S
012	SPIRE PMW Ch37 to 40 . 37-		SPB.-	-	S083	12AXD-38	83	083-1	d		HSJFP	75	121210 P021	014	1S	1S
004	SPIRE PMW Ch37 to 40 . 37gnd		SPB.-	-	S083	12AXD-38	83	083-1	d		HSJFP	75	121210 P021	013	1S	1S
-																
021	SPIRE PMW Ch37 to 40 . 38+		SPB.-	-	S083	12AXD-38	83	083-2	e		HSJFP	75	121210 P021	002	1S	1S
020	SPIRE PMW Ch37 to 40 . 38-		SPB.-	-	S083	12AXD-38	83	083-2	e		HSJFP	75	121210 P021	015	1S	1S
004	SPIRE PMW Ch37 to 40 . 38gnd		SPB.-	-	S083	12AXD-38	83	083-2	e		HSJFP	75	121210 P021	013	1S	1S
-																
031	SPIRE PMW Ch37 to 40 . 39+		SPB.-	-	S083	12AXD-38	83	083-3	f		HSJFP	75	121210 P021	003	1S	1S
043	SPIRE PMW Ch37 to 40 . 39-		SPB.-	-	S083	12AXD-38	83	083-3	f		HSJFP	75	121210 P021	016	1S	1S
004	SPIRE PMW Ch37 to 40 . 39gnd		SPB.-	-	S083	12AXD-38	83	083-3	f		HSJFP	75	121210 P021	013	1S	1S
-																
042	SPIRE PMW Ch37 to 40 . 40+		SPB.-	-	S083	12AXD-38	83	083-4	g		HSJFP	75	121210 P021	004	1S	1S
054	SPIRE PMW Ch37 to 40 . 40-		SPB.-	-	S083	12AXD-38	83	083-4	g		HSJFP	75	121210 P021	017	1S	1S
004	SPIRE PMW Ch37 to 40 . 40gnd		SPB.-	-	S083	12AXD-38	83	083-4	g		HSJFP	75	121210 P021	013	1S	1S
-																1S
004	SPIRE PMW Ch37 to 40 . SHD83		SPB.-	-	S083	12AXD-38	83			CIS-S083	HSJFP	75	121210 P021	013	1S	1S
FCR	SPIRE PMW Ch37 to 40 . COS83		SPB.-	-	S083	12AXD-38	83			COS-S083 con to FCR	HSJFP	75	121210 P021	CH	1S	1S
-																
010	SPIRE PMW Ch41 to 44 . 41+		SPB.-	-	S081	12AXD-38	81	081-1	h		HSJFP	75	121210 P021	005	1S	1S
011	SPIRE PMW Ch41 to 44 . 41-		SPB.-	-	S081	12AXD-38	81	081-1	h		HSJFP	75	121210 P021	018	1S	1S
004	SPIRE PMW Ch41 to 44 . 41gnd		SPB.-	-	S081	12AXD-38	81	081-1	h		HSJFP	75	121210 P021	013	1S	1S
-																
019	SPIRE PMW Ch41 to 44 . 42+		SPB.-	-	S081	12AXD-38	81	081-2	j		HSJFP	75	121210 P021	006	1S	1S
029	SPIRE PMW Ch41 to 44 . 42-		SPB.-	-	S081	12AXD-38	81	081-2	j		HSJFP	75	121210 P021	019	1S	1S
004	SPIRE PMW Ch41 to 44 . 42gnd		SPB.-	-	S081	12AXD-38	81	081-2	j		HSJFP	75	121210 P021	013	1S	1S
-																
041	SPIRE PMW Ch41 to 44 . 43+		SPB.-	-	S081	12AXD-38	81	081-3	k		HSJFP	75	121210 P021	020	1S	1S
030	SPIRE PMW Ch41 to 44 . 43-		SPB.-	-	S081	12AXD-38	81	081-3	k		HSJFP	75	121210 P021	007	1S	1S
004	SPIRE PMW Ch41 to 44 . 43gnd		SPB.-	-	S081	12AXD-38	81	081-3	k		HSJFP	75	121210 P021	013	1S	1S
-																
053	SPIRE PMW Ch41 to 44 . 44+		SPB.-	-	S081	12AXD-38	81	081-4	m		HSJFP	75	121210 P021	021	1S	1S
052	SPIRE PMW Ch41 to 44 . 44-		SPB.-	-	S081	12AXD-38	81	081-4	m		HSJFP	75	121210 P021	008	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PMW Ch41 to 44 . 44gnd		SPB.-	-	S081	12AXD-38	81	081-4	m		HSJFP	75	121210 P021	013	1S	1S
-																1S
004	SPIRE PMW Ch41 to 44 . SHD81		SPB.-	-	S081	12AXD-38	81			CIS-S081	HSJFP	75	121210 P021	013	1S	1S
FCR	SPIRE PMW Ch41 to 44 . COS81		SPB.-	-	S081	12AXD-38	81			COS-S081 con to FCR	HSJFP	75	121210 P021	CH	1S	1S
-																
009	SPIRE PMW Ch45 to 48 . 45+		SPB.-	-	S082	12AXD-38	82	082-1	n		HSJFP	75	121210 P021	022	1S	1S
017	SPIRE PMW Ch45 to 48 . 45-		SPB.-	-	S082	12AXD-38	82	082-1	n		HSJFP	75	121210 P021	009	1S	1S
004	SPIRE PMW Ch45 to 48 . 45gnd		SPB.-	-	S082	12AXD-38	82	082-1	n		HSJFP	75	121210 P021	013	1S	1S
-																
018	SPIRE PMW Ch45 to 48 . 46+		SPB.-	-	S082	12AXD-38	82	082-2	p		HSJFP	75	121210 P021	023	1S	1S
028	SPIRE PMW Ch45 to 48 . 46-		SPB.-	-	S082	12AXD-38	82	082-2	p		HSJFP	75	121210 P021	010	1S	1S
004	SPIRE PMW Ch45 to 48 . 46gnd		SPB.-	-	S082	12AXD-38	82	082-2	p		HSJFP	75	121210 P021	013	1S	1S
-																
016	SPIRE PMW Ch45 to 48 . 47+		SPB.-	-	S082	12AXD-38	82	082-3	r		HSJFP	75	121210 P021	024	1S	1S
027	SPIRE PMW Ch45 to 48 . 47-		SPB.-	-	S082	12AXD-38	83	082-3	r		HSJFP	75	121210 P021	011	1S	1S
004	SPIRE PMW Ch45 to 48 . 47gnd		SPB.-	-	S082	12AXD-38	83	082-3	r		HSJFP	75	121210 P021	013	1S	1S
-																
040	SPIRE PMW Ch45 to 48 . 48+		SPB.-	-	S082	12AXD-38	82	082-4	s		HSJFP	75	121210 P021	025	1S	1S
039	SPIRE PMW Ch45 to 48 . 48-		SPB.-	-	S082	12AXD-38	82	082-4	s		HSJFP	75	121210 P021	012	1S	1S
004	SPIRE PMW Ch45 to 48 . 48gnd		SPB.-	-	S082	12AXD-38	82	082-4	s		HSJFP	75	121210 P021	013	1S	1S
-																1S
004	SPIRE PMW Ch45 to 48 . SHD82		SPB.-	-	S082	12AXD-38	82			CIS-S082	HSJFP	75	121210 P021	013	1S	1S
FCR	SPIRE PMW Ch45 to 48 . COS82		SPB.-	-	S082	12AXD-38	82			COS-S082 con to FCR	HSJFP	75	121210 P021	CH	1S	1S
-																
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
024	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
035	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
104	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
-															
-	CH to be isolated from FCR														1S
-	harness branch to be isolated from s/c structure														1S
-															1S
-	2 pins are NC								The following Pins are NC :						
-									;064 ;065						

Pin Allocation List

(Harness)

Connector: 121210 P020
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch37-40 . 37+		SPB.-	-	S099	12AXD-38	99	099-1	1		CVVUCR	33	211121 J023	013	1S	1S
014	SPIRE PMW Ch37-40 . 37-		SPB.-	-	S099	12AXD-38	99	099-1	1		CVVUCR	33	211121 J023	012	1S	1S
013	SPIRE PMW Ch37-40 . 37gnd		SPB.-	-	S099	12AXD-38	99	099-1	1		CVVUCR	33	211121 J023	004	1S	1S
-																
002	SPIRE PMW Ch37-40 . 38+		SPB.-	-	S099	12AXD-38	99	099-2	2		CVVUCR	33	211121 J023	021	1S	1S
015	SPIRE PMW Ch37-40 . 38-		SPB.-	-	S099	12AXD-38	99	099-2	2		CVVUCR	33	211121 J023	020	1S	1S
013	SPIRE PMW Ch37-40 . 38gnd		SPB.-	-	S099	12AXD-38	99	099-2	2		CVVUCR	33	211121 J023	004	1S	1S
-																
003	SPIRE PMW Ch37-40 . 39+		SPB.-	-	S099	12AXD-38	99	099-3	3		CVVUCR	33	211121 J023	031	1S	1S
016	SPIRE PMW Ch37-40 . 39-		SPB.-	-	S099	12AXD-38	99	099-3	3		CVVUCR	33	211121 J023	043	1S	1S
013	SPIRE PMW Ch37-40 . 39gnd		SPB.-	-	S099	12AXD-38	99	099-3	3		CVVUCR	33	211121 J023	004	1S	1S
-																
004	SPIRE PMW Ch37-40 . 40+		SPB.-	-	S099	12AXD-38	99	099-4	4		CVVUCR	33	211121 J023	042	1S	1S
017	SPIRE PMW Ch37-40 . 40-		SPB.-	-	S099	12AXD-38	99	099-4	4		CVVUCR	33	211121 J023	054	1S	1S
013	SPIRE PMW Ch37-40 . 40gnd		SPB.-	-	S099	12AXD-38	99	099-4	4		CVVUCR	33	211121 J023	004	1S	1S
-																1S
013	SPIRE PMW Ch37-40 . SHD99		SPB.-	-	S099	12AXD-38	99			CIS-S099	CVVUCR	33	211121 J023	004	1S	1S
CH	SPIRE PMW Ch37-40 . COS99		SPB.-	-	S099	12AXD-38	99			COS-S099 con to CH	CVVUCR	33	211121 J023	FCR	1S	1S
-																
005	SPIRE PMW Ch41-44 . 41+		SPB.-	-	S100	12AXD-38	64	100-1	5		CVVUCR	33	211121 J023	010	1S	1S
018	SPIRE PMW Ch41-44 . 41-		SPB.-	-	S100	12AXD-38	64	100-1	5		CVVUCR	33	211121 J023	011	1S	1S
013	SPIRE PMW Ch41-44 . 41gnd		SPB.-	-	S100	12AXD-38	64	100-1	5		CVVUCR	33	211121 J023	004	1S	1S
-																
006	SPIRE PMW Ch41-44 . 42+		SPB.-	-	S100	12AXD-38	64	100-2	6		CVVUCR	33	211121 J023	019	1S	1S
019	SPIRE PMW Ch41-44 . 42-		SPB.-	-	S100	12AXD-38	64	100-2	6		CVVUCR	33	211121 J023	029	1S	1S
013	SPIRE PMW Ch41-44 . 42gnd		SPB.-	-	S100	12AXD-38	64	100-2	6		CVVUCR	33	211121 J023	004	1S	1S
-																
020	SPIRE PMW Ch41-44 . 43+		SPB.-	-	S100	12AXD-38	64	100-3	7		CVVUCR	33	211121 J023	041	1S	1S
007	SPIRE PMW Ch41-44 . 43-		SPB.-	-	S100	12AXD-38	64	100-3	7		CVVUCR	33	211121 J023	030	1S	1S
013	SPIRE PMW Ch41-44 . 43gnd		SPB.-	-	S100	12AXD-38	64	100-3	7		CVVUCR	33	211121 J023	004	1S	1S
-																
021	SPIRE PMW Ch41-44 . 44+		SPB.-	-	S100	12AXD-38	64	100-4	8		CVVUCR	33	211121 J023	053	1S	1S
008	SPIRE PMW Ch41-44 . 44-		SPB.-	-	S100	12AXD-38	64	100-4	8		CVVUCR	33	211121 J023	052	1S	1S
013	SPIRE PMW Ch41-44 . 44gnd		SPB.-	-	S100	12AXD-38	64	100-4	8		CVVUCR	33	211121 J023	004	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P020
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch41-44 . SHD64		SPB.-	-	S100	12AXD-38	64			CIS-S100	CVVUCR	33	211121 J023	004	1S 1S
CH	SPIRE PMW Ch41-44 . COS64		SPB.-	-	S100	12AXD-38	64			COS-S100 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
022	SPIRE PMW Ch45-48 . 45+		SPB.-	-	S101	12AXD-38	1	101-1	9		CVVUCR	33	211121 J023	009	1S 1S
009	SPIRE PMW Ch45-48 . 45-		SPB.-	-	S101	12AXD-38	1	101-1	9		CVVUCR	33	211121 J023	017	1S 1S
013	SPIRE PMW Ch45-48 . 45gnd		SPB.-	-	S101	12AXD-38	1	101-1	9		CVVUCR	33	211121 J023	004	1S 1S
-															
023	SPIRE PMW Ch45-48 . 46+		SPB.-	-	S101	12AXD-38	1	101-2	A		CVVUCR	33	211121 J023	018	1S 1S
010	SPIRE PMW Ch45-48 . 46-		SPB.-	-	S101	12AXD-38	1	101-2	A		CVVUCR	33	211121 J023	028	1S 1S
013	SPIRE PMW Ch45-48 . 46gnd		SPB.-	-	S101	12AXD-38	1	101-2	A		CVVUCR	33	211121 J023	004	1S 1S
-															
024	SPIRE PMW Ch45-48 . 47+		SPB.-	-	S101	12AXD-38	1	101-3	B		CVVUCR	33	211121 J023	016	1S 1S
011	SPIRE PMW Ch45-48 . 47-		SPB.-	-	S101	12AXD-38	1	101-3	B		CVVUCR	33	211121 J023	027	1S 1S
013	SPIRE PMW Ch45-48 . 47gnd		SPB.-	-	S101	12AXD-38	1	101-3	B		CVVUCR	33	211121 J023	004	1S 1S
-															
025	SPIRE PMW Ch45-48 . 48+		SPB.-	-	S101	12AXD-38	1	101-4	C		CVVUCR	33	211121 J023	040	1S 1S
012	SPIRE PMW Ch45-48 . 48-		SPB.-	-	S101	12AXD-38	1	101-4	C		CVVUCR	33	211121 J023	039	1S 1S
013	SPIRE PMW Ch45-48 . 48gnd		SPB.-	-	S101	12AXD-38	1	101-4	C		CVVUCR	33	211121 J023	004	1S 1S
-															1S
013	SPIRE PMW Ch45-48 . SHD01		SPB.-	-	S101	12AXD-38	1			CIS-S101	CVVUCR	33	211121 J023	004	1S 1S
CH	SPIRE PMW Ch45-48 . COS01		SPB.-	-	S101	12AXD-38	1			COS-S101 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List (Harness)

Connector: 121210 P019
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch25-28 . 25+		SPB.-	-	S094	12AXD-38	94	094-1	1		CVVUCR	33	211121 J023	090	1S	1S
014	SPIRE PMW Ch25-28 . 25-		SPB.-	-	S094	12AXD-38	94	094-1	1		CVVUCR	33	211121 J023	079	1S	1S
013	SPIRE PMW Ch25-28 . 25gnd		SPB.-	-	S094	12AXD-38	94	094-1	1		CVVUCR	33	211121 J023	047	1S	1S
-																
002	SPIRE PMW Ch25-28 . 26+		SPB.-	-	S094	12AXD-38	94	094-2	2		CVVUCR	33	211121 J023	102	1S	1S
015	SPIRE PMW Ch25-28 . 26-		SPB.-	-	S094	12AXD-38	94	094-2	2		CVVUCR	33	211121 J023	101	1S	1S
013	SPIRE PMW Ch25-28 . 26gnd		SPB.-	-	S094	12AXD-38	94	094-2	2		CVVUCR	33	211121 J023	047	1S	1S
-																
003	SPIRE PMW Ch25-28 . 27+		SPB.-	-	S094	12AXD-38	94	094-3	3		CVVUCR	33	211121 J023	092	1S	1S
016	SPIRE PMW Ch25-28 . 27-		SPB.-	-	S094	12AXD-38	94	094-3	3		CVVUCR	33	211121 J023	091	1S	1S
013	SPIRE PMW Ch25-28 . 27gnd		SPB.-	-	S094	12AXD-38	94	094-3	3		CVVUCR	33	211121 J023	047	1S	1S
-																
004	SPIRE PMW Ch25-28 . 28+		SPB.-	-	S094	12AXD-38	94	094-4	4		CVVUCR	33	211121 J023	103	1S	1S
017	SPIRE PMW Ch25-28 . 28-		SPB.-	-	S094	12AXD-38	94	094-4	4		CVVUCR	33	211121 J023	113	1S	1S
013	SPIRE PMW Ch25-28 . 28gnd		SPB.-	-	S094	12AXD-38	94	094-4	4		CVVUCR	33	211121 J023	047	1S	1S
-																1S
013	SPIRE PMW Ch25-28 . SHD94		SPB.-	-	S094	12AXD-38	94			CIS-S094	CVVUCR	33	211121 J023	047	1S	1S
CH	SPIRE PMW Ch25-28 . COS94		SPB.-	-	S094	12AXD-38	94			COS-S094 con to CH	CVVUCR	33	211121 J023	FCR	1S	1S
-																
005	SPIRE PMW Ch29-32 . 29+		SPB.-	-	S095	12AXD-38	95	095-1	5		CVVUCR	33	211121 J023	058	1S	1S
018	SPIRE PMW Ch29-32 . 29-		SPB.-	-	S095	12AXD-38	95	095-1	5		CVVUCR	33	211121 J023	046	1S	1S
013	SPIRE PMW Ch29-32 . 29gnd		SPB.-	-	S095	12AXD-38	95	095-1	5		CVVUCR	33	211121 J023	047	1S	1S
-																
006	SPIRE PMW Ch29-32 . 30+		SPB.-	-	S095	12AXD-38	95	095-2	6		CVVUCR	33	211121 J023	068	1S	1S
019	SPIRE PMW Ch29-32 . 30-		SPB.-	-	S095	12AXD-38	95	095-2	6		CVVUCR	33	211121 J023	057	1S	1S
013	SPIRE PMW Ch29-32 . 30gnd		SPB.-	-	S095	12AXD-38	95	095-2	6		CVVUCR	33	211121 J023	047	1S	1S
-																
020	SPIRE PMW Ch29-32 . 31+		SPB.-	-	S095	12AXD-38	95	095-3	7		CVVUCR	33	211121 J023	069	1S	1S
007	SPIRE PMW Ch29-32 . 31-		SPB.-	-	S095	12AXD-38	95	095-3	7		CVVUCR	33	211121 J023	080	1S	1S
013	SPIRE PMW Ch29-32 . 31gnd		SPB.-	-	S095	12AXD-38	95	095-3	7		CVVUCR	33	211121 J023	047	1S	1S
-																
021	SPIRE PMW Ch29-32 . 32+		SPB.-	-	S095	12AXD-38	95	095-4	8		CVVUCR	33	211121 J023	070	1S	1S
008	SPIRE PMW Ch29-32 . 32-		SPB.-	-	S095	12AXD-38	95	095-4	8		CVVUCR	33	211121 J023	081	1S	1S
013	SPIRE PMW Ch29-32 . 32gnd		SPB.-	-	S095	12AXD-38	95	095-4	8		CVVUCR	33	211121 J023	047	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P019
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch29-32 . SHD95		SPB.-	-	S095	12AXD-38	95			CIS-S095	CVVUCR	33	211121 J023	047	1S 1S
CH	SPIRE PMW Ch29-32 . COS95		SPB.-	-	S095	12AXD-38	95			COS-S095 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
022	SPIRE PMW Ch33-36 . 33+		SPB.-	-	S096	12AXD-38	96	096-1	9		CVVUCR	33	211121 J023	023	1S 1S
009	SPIRE PMW Ch33-36 . 33-		SPB.-	-	S096	12AXD-38	96	096-1	9		CVVUCR	33	211121 J023	034	1S 1S
013	SPIRE PMW Ch33-36 . 33gnd		SPB.-	-	S096	12AXD-38	96	096-1	9		CVVUCR	33	211121 J023	047	1S 1S
-															
023	SPIRE PMW Ch33-36 . 34+		SPB.-	-	S096	12AXD-38	96	096-2	A		CVVUCR	33	211121 J023	033	1S 1S
010	SPIRE PMW Ch33-36 . 34-		SPB.-	-	S096	12AXD-38	96	096-2	A		CVVUCR	33	211121 J023	045	1S 1S
013	SPIRE PMW Ch33-36 . 34gnd		SPB.-	-	S096	12AXD-38	96	096-2	A		CVVUCR	33	211121 J023	047	1S 1S
-															
024	SPIRE PMW Ch33-36 . 35+		SPB.-	-	S096	12AXD-38	96	096-3	B		CVVUCR	33	211121 J023	044	1S 1S
011	SPIRE PMW Ch33-36 . 35-		SPB.-	-	S096	12AXD-38	96	096-3	B		CVVUCR	33	211121 J023	056	1S 1S
013	SPIRE PMW Ch33-36 . 35gnd		SPB.-	-	S096	12AXD-38	96	096-3	B		CVVUCR	33	211121 J023	047	1S 1S
-															
025	SPIRE PMW Ch33-36 . 36+		SPB.-	-	S096	12AXD-38	96	096-4	C		CVVUCR	33	211121 J023	022	1S 1S
012	SPIRE PMW Ch33-36 . 36-		SPB.-	-	S096	12AXD-38	96	096-4	C		CVVUCR	33	211121 J023	032	1S 1S
013	SPIRE PMW Ch33-36 . 36gnd		SPB.-	-	S096	12AXD-38	96	096-4	C		CVVUCR	33	211121 J023	047	1S 1S
-															1S
013	SPIRE PMW Ch33-36 . SHD96		SPB.-	-	S096	12AXD-38	96			CIS-S096	CVVUCR	33	211121 J023	047	1S 1S
CH	SPIRE PMW Ch33-36 . COS96		SPB.-	-	S096	12AXD-38	96			COS-S096 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 121210 P018
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch13-16 . 13+		SPB.-	-	S090	12AXD-38	90	090-1	1		CVVUCR	33	211121 J023	086	1S	1S
014	SPIRE PMW Ch13-16 . 13-		SPB.-	-	S090	12AXD-38	90	090-1	1		CVVUCR	33	211121 J023	087	1S	1S
013	SPIRE PMW Ch13-16 . 13gnd		SPB.-	-	S090	12AXD-38	90	090-1	1		CVVUCR	33	211121 J023	128	1S	1S
-																
002	SPIRE PMW Ch13-16 . 14+		SPB.-	-	S090	12AXD-38	90	090-2	2		CVVUCR	33	211121 J023	097	1S	1S
015	SPIRE PMW Ch13-16 . 14-		SPB.-	-	S090	12AXD-38	90	090-2	2		CVVUCR	33	211121 J023	098	1S	1S
013	SPIRE PMW Ch13-16 . 14gnd		SPB.-	-	S090	12AXD-38	90	090-2	2		CVVUCR	33	211121 J023	128	1S	1S
-																
003	SPIRE PMW Ch13-16 . 15+		SPB.-	-	S090	12AXD-38	90	090-3	3		CVVUCR	33	211121 J023	108	1S	1S
016	SPIRE PMW Ch13-16 . 15-		SPB.-	-	S090	12AXD-38	90	090-3	3		CVVUCR	33	211121 J023	109	1S	1S
013	SPIRE PMW Ch13-16 . 15gnd		SPB.-	-	S090	12AXD-38	90	090-3	3		CVVUCR	33	211121 J023	128	1S	1S
-																
004	SPIRE PMW Ch13-16 . 16+		SPB.-	-	S090	12AXD-38	90	090-4	4		CVVUCR	33	211121 J023	116	1S	1S
017	SPIRE PMW Ch13-16 . 16-		SPB.-	-	S090	12AXD-38	90	090-4	4		CVVUCR	33	211121 J023	117	1S	1S
013	SPIRE PMW Ch13-16 . 16gnd		SPB.-	-	S090	12AXD-38	90	090-4	4		CVVUCR	33	211121 J023	128	1S	1S
-																1S
013	SPIRE PMW Ch13-16 . SHD90		SPB.-	-	S090	12AXD-38	90			CIS-S090	CVVUCR	33	211121 J023	128	1S	1S
CH	SPIRE PMW Ch13-16 . COS90		SPB.-	-	S090	12AXD-38	90			COS-S090 con to CH	CVVUCR	33	211121 J023	FCR	1S	1S
-																
005	SPIRE PMW Ch17-20 . 17+		SPB.-	-	S091	12AXD-38	91	091-1	5		CVVUCR	33	211121 J023	055	1S	1S
018	SPIRE PMW Ch17-20 . 17-		SPB.-	-	S091	12AXD-38	91	091-1	5		CVVUCR	33	211121 J023	066	1S	1S
013	SPIRE PMW Ch17-20 . 17gnd		SPB.-	-	S091	12AXD-38	91	091-1	5		CVVUCR	33	211121 J023	128	1S	1S
-																
006	SPIRE PMW Ch17-20 . 18+		SPB.-	-	S091	12AXD-38	91	091-2	6		CVVUCR	33	211121 J023	067	1S	1S
019	SPIRE PMW Ch17-20 . 18-		SPB.-	-	S091	12AXD-38	91	091-2	6		CVVUCR	33	211121 J023	078	1S	1S
013	SPIRE PMW Ch17-20 . 18gnd		SPB.-	-	S091	12AXD-38	91	091-2	6		CVVUCR	33	211121 J023	128	1S	1S
-																
020	SPIRE PMW Ch17-20 . 19+		SPB.-	-	S091	12AXD-38	91	091-3	7		CVVUCR	33	211121 J023	076	1S	1S
007	SPIRE PMW Ch17-20 . 19-		SPB.-	-	S091	12AXD-38	91	091-3	7		CVVUCR	33	211121 J023	077	1S	1S
013	SPIRE PMW Ch17-20 . 19gnd		SPB.-	-	S091	12AXD-38	91	091-3	7		CVVUCR	33	211121 J023	128	1S	1S
-																
021	SPIRE PMW Ch17-20 . 20+		SPB.-	-	S091	12AXD-38	91	091-4	8		CVVUCR	33	211121 J023	088	1S	1S
008	SPIRE PMW Ch17-20 . 20-		SPB.-	-	S091	12AXD-38	91	091-4	8		CVVUCR	33	211121 J023	089	1S	1S
013	SPIRE PMW Ch17-20 . 20gnd		SPB.-	-	S091	12AXD-38	91	091-4	8		CVVUCR	33	211121 J023	128	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P018
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch17-20 . SHD91		SPB.-	-	S091	12AXD-38	91			CIS-S091	CVVUCR	33	211121 J023	128	1S 1S
CH	SPIRE PMW Ch17-20 . COS91		SPB.-	-	S091	12AXD-38	91			COS-S091 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
022	SPIRE PMW Ch21-24 . 21+		SPB.-	-	S092	12AXD-38	92	092-1	9		CVVUCR	33	211121 J023	099	1S 1S
009	SPIRE PMW Ch21-24 . 21-		SPB.-	-	S092	12AXD-38	92	092-1	9		CVVUCR	33	211121 J023	100	1S 1S
013	SPIRE PMW Ch21-24 . 21gnd		SPB.-	-	S092	12AXD-38	92	092-1	9		CVVUCR	33	211121 J023	128	1S 1S
-															
023	SPIRE PMW Ch21-24 . 22+		SPB.-	-	S092	12AXD-38	92	092-2	A		CVVUCR	33	211121 J023	110	1S 1S
010	SPIRE PMW Ch21-24 . 22-		SPB.-	-	S092	12AXD-38	92	092-2	A		CVVUCR	33	211121 J023	111	1S 1S
013	SPIRE PMW Ch21-24 . 22gnd		SPB.-	-	S092	12AXD-38	92	092-2	A		CVVUCR	33	211121 J023	128	1S 1S
-															
024	SPIRE PMW Ch21-24 . 23+		SPB.-	-	S092	12AXD-38	92	092-3	B		CVVUCR	33	211121 J023	118	1S 1S
011	SPIRE PMW Ch21-24 . 23-		SPB.-	-	S092	12AXD-38	92	092-3	B		CVVUCR	33	211121 J023	119	1S 1S
013	SPIRE PMW Ch21-24 . 23gnd		SPB.-	-	S092	12AXD-38	92	092-3	B		CVVUCR	33	211121 J023	128	1S 1S
-															
025	SPIRE PMW Ch21-24 . 24+		SPB.-	-	S092	12AXD-38	92	092-4	C		CVVUCR	33	211121 J023	112	1S 1S
012	SPIRE PMW Ch21-24 . 24-		SPB.-	-	S092	12AXD-38	92	092-4	C		CVVUCR	33	211121 J023	120	1S 1S
013	SPIRE PMW Ch21-24 . 24gnd		SPB.-	-	S092	12AXD-38	92	092-4	C		CVVUCR	33	211121 J023	128	1S 1S
-															1S
013	SPIRE PMW Ch21-24 . SHD92		SPB.-	-	S092	12AXD-38	92			CIS-S092	CVVUCR	33	211121 J023	128	1S 1S
CH	SPIRE PMW Ch21-24 . COS92		SPB.-	-	S092	12AXD-38	92			COS-S092 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P017
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PMW Ch01-04 . 1+		SPB.-	-	S085	12AXD-38	85	085-1	1		CVVUCR	33	211121 J023	026	1S	1S
014	SPIRE PMW Ch01-04 . 1-		SPB.-	-	S085	12AXD-38	85	085-1	1		CVVUCR	33	211121 J023	037	1S	1S
013	SPIRE PMW Ch01-04 . 1gnd		SPB.-	-	S085	12AXD-38	85	085-1	1		CVVUCR	33	211121 J023	036	1S	1S
-																
002	SPIRE PMW Ch01-04 . 2+		SPB.-	-	S085	12AXD-38	85	085-2	2		CVVUCR	33	211121 J023	038	1S	1S
015	SPIRE PMW Ch01-04 . 2-		SPB.-	-	S085	12AXD-38	85	085-2	2		CVVUCR	33	211121 J023	049	1S	1S
013	SPIRE PMW Ch01-04 . 2gnd		SPB.-	-	S085	12AXD-38	85	085-2	2		CVVUCR	33	211121 J023	036	1S	1S
-																
003	SPIRE PMW Ch01-04 . 3+		SPB.-	-	S085	12AXD-38	85	085-3	3		CVVUCR	33	211121 J023	048	1S	1S
016	SPIRE PMW Ch01-04 . 3-		SPB.-	-	S085	12AXD-38	85	085-3	3		CVVUCR	33	211121 J023	060	1S	1S
013	SPIRE PMW Ch01-04 . 3gnd		SPB.-	-	S085	12AXD-38	85	085-3	3		CVVUCR	33	211121 J023	036	1S	1S
-																
004	SPIRE PMW Ch01-04 . 4+		SPB.-	-	S085	12AXD-38	85	085-4	4		CVVUCR	33	211121 J023	059	1S	1S
017	SPIRE PMW Ch01-04 . 4-		SPB.-	-	S085	12AXD-38	85	085-4	4		CVVUCR	33	211121 J023	071	1S	1S
013	SPIRE PMW Ch01-04 . 4gnd		SPB.-	-	S085	12AXD-38	85	085-4	4		CVVUCR	33	211121 J023	036	1S	1S
-																1S
013	SPIRE PMW Ch01-04 . SHD85		SPB.-	-	S085	12AXD-38	85			CIS-S085	CVVUCR	33	211121 J023	036	1S	1S
CH	SPIRE PMW Ch01-04 . COS85		SPB.-	-	S085	12AXD-38	85			COS-S085 con to CH	CVVUCR	33	211121 J023	FCR	1S	1S
-																
005	SPIRE PMW Ch05-08 . 5+		SPB.-	-	S086	12AXD-38	86	086-1	5		CVVUCR	33	211121 J023	050	1S	1S
018	SPIRE PMW Ch05-08 . 5-		SPB.-	-	S086	12AXD-38	86	086-1	5		CVVUCR	33	211121 J023	061	1S	1S
013	SPIRE PMW Ch05-08 . 5gnd		SPB.-	-	S086	12AXD-38	86	086-1	5		CVVUCR	33	211121 J023	036	1S	1S
-																
006	SPIRE PMW Ch05-08 . 6+		SPB.-	-	S086	12AXD-38	86	086-2	6		CVVUCR	33	211121 J023	062	1S	1S
019	SPIRE PMW Ch05-08 . 6-		SPB.-	-	S086	12AXD-38	86	086-2	6		CVVUCR	33	211121 J023	051	1S	1S
013	SPIRE PMW Ch05-08 . 6gnd		SPB.-	-	S086	12AXD-38	86	086-2	6		CVVUCR	33	211121 J023	036	1S	1S
-																
020	SPIRE PMW Ch05-08 . 7+		SPB.-	-	S086	12AXD-38	86	086-3	7		CVVUCR	33	211121 J023	063	1S	1S
007	SPIRE PMW Ch05-08 . 7-		SPB.-	-	S086	12AXD-38	86	086-3	7		CVVUCR	33	211121 J023	075	1S	1S
013	SPIRE PMW Ch05-08 . 7gnd		SPB.-	-	S086	12AXD-38	86	086-3	7		CVVUCR	33	211121 J023	036	1S	1S
-																
021	SPIRE PMW Ch05-08 . 8+		SPB.-	-	S086	12AXD-38	86	086-4	8		CVVUCR	33	211121 J023	074	1S	1S
008	SPIRE PMW Ch05-08 . 8-		SPB.-	-	S086	12AXD-38	86	086-4	8		CVVUCR	33	211121 J023	073	1S	1S
013	SPIRE PMW Ch05-08 . 8gnd		SPB.-	-	S086	12AXD-38	86	086-4	8		CVVUCR	33	211121 J023	036	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P017
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PMW Ch05-08 . SHD86		SPB.-	-	S086	12AXD-38	86			CIS-S086	CVVUCR	33	211121 J023	036	1S 1S
CH	SPIRE PMW Ch05-08 . COS86		SPB.-	-	S086	12AXD-38	86			COS-S086 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
022	SPIRE PMW Ch09-12 . 9+		SPB.-	-	S087	12AXD-38	87	087-1	9		CVVUCR	33	211121 J023	083	1S 1S
009	SPIRE PMW Ch09-12 . 9-		SPB.-	-	S087	12AXD-38	87	087-1	9		CVVUCR	33	211121 J023	072	1S 1S
013	SPIRE PMW Ch09-12 . 9gnd		SPB.-	-	S087	12AXD-38	87	087-1	9		CVVUCR	33	211121 J023	036	1S 1S
-															
023	SPIRE PMW Ch09-12 . 10+		SPB.-	-	S087	12AXD-38	87	087-2	A		CVVUCR	33	211121 J023	095	1S 1S
010	SPIRE PMW Ch09-12 . 10-		SPB.-	-	S087	12AXD-38	87	087-2	A		CVVUCR	33	211121 J023	084	1S 1S
013	SPIRE PMW Ch09-12 . 10gnd		SPB.-	-	S087	12AXD-38	87	087-2	A		CVVUCR	33	211121 J023	036	1S 1S
-															
024	SPIRE PMW Ch09-12 . 11+		SPB.-	-	S087	12AXD-38	87	087-3	B		CVVUCR	33	211121 J023	096	1S 1S
011	SPIRE PMW Ch09-12 . 11-		SPB.-	-	S087	12AXD-38	87	087-3	B		CVVUCR	33	211121 J023	085	1S 1S
013	SPIRE PMW Ch09-12 . 11gnd		SPB.-	-	S087	12AXD-38	87	087-3	B		CVVUCR	33	211121 J023	036	1S 1S
-															
025	SPIRE PMW Ch09-12 . 12+		SPB.-	-	S087	12AXD-38	87	087-4	C		CVVUCR	33	211121 J023	106	1S 1S
012	SPIRE PMW Ch09-12 . 12-		SPB.-	-	S087	12AXD-38	87	087-4	C		CVVUCR	33	211121 J023	107	1S 1S
013	SPIRE PMW Ch09-12 . 12gnd		SPB.-	-	S087	12AXD-38	87	087-4	C		CVVUCR	33	211121 J023	036	1S 1S
-															1S
013	SPIRE PMW Ch09-12 . SHD87		SPB.-	-	S087	12AXD-38	87			CIS-S087	CVVUCR	33	211121 J023	036	1S 1S
CH	SPIRE PMW Ch09-12 . COS87		SPB.-	-	S087	12AXD-38	87			COS-S087 con to CH	CVVUCR	33	211121 J023	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PMW Ch01-04 . 1+		SPB.-	-	S085	12AXD-38	85	085-1	1		HSJFP	75	121210 P017	001	1S	1S
037	SPIRE PMW Ch01-04 . 1-		SPB.-	-	S085	12AXD-38	85	085-1	1		HSJFP	75	121210 P017	014	1S	1S
036	SPIRE PMW Ch01-04 . 1gnd		SPB.-	-	S085	12AXD-38	85	085-1	1		HSJFP	75	121210 P017	013	1S	1S
-																
038	SPIRE PMW Ch01-04 . 2+		SPB.-	-	S085	12AXD-38	85	085-2	2		HSJFP	75	121210 P017	002	1S	1S
049	SPIRE PMW Ch01-04 . 2-		SPB.-	-	S085	12AXD-38	85	085-2	2		HSJFP	75	121210 P017	015	1S	1S
036	SPIRE PMW Ch01-04 . 2gnd		SPB.-	-	S085	12AXD-38	85	085-2	2		HSJFP	75	121210 P017	013	1S	1S
-																
048	SPIRE PMW Ch01-04 . 3+		SPB.-	-	S085	12AXD-38	85	085-3	3		HSJFP	75	121210 P017	003	1S	1S
060	SPIRE PMW Ch01-04 . 3-		SPB.-	-	S085	12AXD-38	85	085-3	3		HSJFP	75	121210 P017	016	1S	1S
036	SPIRE PMW Ch01-04 . 3gnd		SPB.-	-	S085	12AXD-38	85	085-3	3		HSJFP	75	121210 P017	013	1S	1S
-																
059	SPIRE PMW Ch01-04 . 4+		SPB.-	-	S085	12AXD-38	85	085-4	4		HSJFP	75	121210 P017	004	1S	1S
071	SPIRE PMW Ch01-04 . 4-		SPB.-	-	S085	12AXD-38	85	085-4	4		HSJFP	75	121210 P017	017	1S	1S
036	SPIRE PMW Ch01-04 . 4gnd		SPB.-	-	S085	12AXD-38	85	085-4	4		HSJFP	75	121210 P017	013	1S	1S
-																1S
036	SPIRE PMW Ch01-04 . SHD85		SPB.-	-	S085	12AXD-38	85			CIS-S085	HSJFP	75	121210 P017	013	1S	1S
FCR	SPIRE PMW Ch01-04 . COS85		SPB.-	-	S085	12AXD-38	85			COS-S085 con to FCR	HSJFP	75	121210 P017	CH	1S	1S
-																
050	SPIRE PMW Ch05-08 . 5+		SPB.-	-	S086	12AXD-38	86	086-1	5		HSJFP	75	121210 P017	005	1S	1S
061	SPIRE PMW Ch05-08 . 5-		SPB.-	-	S086	12AXD-38	86	086-1	5		HSJFP	75	121210 P017	018	1S	1S
036	SPIRE PMW Ch05-08 . 5gnd		SPB.-	-	S086	12AXD-38	86	086-1	5		HSJFP	75	121210 P017	013	1S	1S
-																
062	SPIRE PMW Ch05-08 . 6+		SPB.-	-	S086	12AXD-38	86	086-2	6		HSJFP	75	121210 P017	006	1S	1S
051	SPIRE PMW Ch05-08 . 6-		SPB.-	-	S086	12AXD-38	86	086-2	6		HSJFP	75	121210 P017	019	1S	1S
036	SPIRE PMW Ch05-08 . 6gnd		SPB.-	-	S086	12AXD-38	86	086-2	6		HSJFP	75	121210 P017	013	1S	1S
-																
063	SPIRE PMW Ch05-08 . 7+		SPB.-	-	S086	12AXD-38	86	086-3	7		HSJFP	75	121210 P017	020	1S	1S
075	SPIRE PMW Ch05-08 . 7-		SPB.-	-	S086	12AXD-38	86	086-3	7		HSJFP	75	121210 P017	007	1S	1S
036	SPIRE PMW Ch05-08 . 7gnd		SPB.-	-	S086	12AXD-38	86	086-3	7		HSJFP	75	121210 P017	013	1S	1S
-																
074	SPIRE PMW Ch05-08 . 8+		SPB.-	-	S086	12AXD-38	86	086-4	8		HSJFP	75	121210 P017	021	1S	1S
073	SPIRE PMW Ch05-08 . 8-		SPB.-	-	S086	12AXD-38	86	086-4	8		HSJFP	75	121210 P017	008	1S	1S
036	SPIRE PMW Ch05-08 . 8gnd		SPB.-	-	S086	12AXD-38	86	086-4	8		HSJFP	75	121210 P017	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PMW Ch05-08 . SHD86		SPB.-	-	S086	12AXD-38	86			CIS-S086	HSJFP	75	121210 P017	013	1S 1S
FCR	SPIRE PMW Ch05-08 . COS86		SPB.-	-	S086	12AXD-38	86			COS-S086 con to FCR	HSJFP	75	121210 P017	CH	1S 1S
-															
083	SPIRE PMW Ch09-12 . 9+		SPB.-	-	S087	12AXD-38	87	087-1	9		HSJFP	75	121210 P017	022	1S 1S
072	SPIRE PMW Ch09-12 . 9-		SPB.-	-	S087	12AXD-38	87	087-1	9		HSJFP	75	121210 P017	009	1S 1S
036	SPIRE PMW Ch09-12 . 9gnd		SPB.-	-	S087	12AXD-38	87	087-1	9		HSJFP	75	121210 P017	013	1S 1S
-															
095	SPIRE PMW Ch09-12 . 10+		SPB.-	-	S087	12AXD-38	87	087-2	A		HSJFP	75	121210 P017	023	1S 1S
084	SPIRE PMW Ch09-12 . 10-		SPB.-	-	S087	12AXD-38	87	087-2	A		HSJFP	75	121210 P017	010	1S 1S
036	SPIRE PMW Ch09-12 . 10gnd		SPB.-	-	S087	12AXD-38	87	087-2	A		HSJFP	75	121210 P017	013	1S 1S
-															
096	SPIRE PMW Ch09-12 . 11+		SPB.-	-	S087	12AXD-38	87	087-3	B		HSJFP	75	121210 P017	024	1S 1S
085	SPIRE PMW Ch09-12 . 11-		SPB.-	-	S087	12AXD-38	87	087-3	B		HSJFP	75	121210 P017	011	1S 1S
036	SPIRE PMW Ch09-12 . 11gnd		SPB.-	-	S087	12AXD-38	87	087-3	B		HSJFP	75	121210 P017	013	1S 1S
-															
106	SPIRE PMW Ch09-12 . 12+		SPB.-	-	S087	12AXD-38	87	087-4	C		HSJFP	75	121210 P017	025	1S 1S
107	SPIRE PMW Ch09-12 . 12-		SPB.-	-	S087	12AXD-38	87	087-4	C		HSJFP	75	121210 P017	012	1S 1S
036	SPIRE PMW Ch09-12 . 12gnd		SPB.-	-	S087	12AXD-38	87	087-4	C		HSJFP	75	121210 P017	013	1S 1S
-															1S
036	SPIRE PMW Ch09-12 . SHD87		SPB.-	-	S087	12AXD-38	87			CIS-S087	HSJFP	75	121210 P017	013	1S 1S
FCR	SPIRE PMW Ch09-12 . COS87		SPB.-	-	S087	12AXD-38	87			COS-S087 con to FCR	HSJFP	75	121210 P017	CH	1S 1S
-															
086	SPIRE PMW Ch13-16 . 13+		SPB.-	-	S090	12AXD-38	90	090-1	D		HSJFP	75	121210 P018	001	1S 1S
087	SPIRE PMW Ch13-16 . 13-		SPB.-	-	S090	12AXD-38	90	090-1	D		HSJFP	75	121210 P018	014	1S 1S
128	SPIRE PMW Ch13-16 . 13gnd		SPB.-	-	S090	12AXD-38	90	090-1	D		HSJFP	75	121210 P018	013	1S 1S
-															
097	SPIRE PMW Ch13-16 . 14+		SPB.-	-	S090	12AXD-38	90	090-2	E		HSJFP	75	121210 P018	002	1S 1S
098	SPIRE PMW Ch13-16 . 14-		SPB.-	-	S090	12AXD-38	90	090-2	E		HSJFP	75	121210 P018	015	1S 1S
128	SPIRE PMW Ch13-16 . 14gnd		SPB.-	-	S090	12AXD-38	90	090-2	E		HSJFP	75	121210 P018	013	1S 1S
-															
108	SPIRE PMW Ch13-16 . 15+		SPB.-	-	S090	12AXD-38	90	090-3	F		HSJFP	75	121210 P018	003	1S 1S
109	SPIRE PMW Ch13-16 . 15-		SPB.-	-	S090	12AXD-38	90	090-3	F		HSJFP	75	121210 P018	016	1S 1S
128	SPIRE PMW Ch13-16 . 15gnd		SPB.-	-	S090	12AXD-38	90	090-3	F		HSJFP	75	121210 P018	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
116	SPIRE PMW Ch13-16 . 16+		SPB.-	-	S090	12AXD-38	90	090-4	G		HSJFP	75	121210 P018	004	1S 1S
117	SPIRE PMW Ch13-16 . 16-		SPB.-	-	S090	12AXD-38	90	090-4	G		HSJFP	75	121210 P018	017	1S 1S
128	SPIRE PMW Ch13-16 . 16gnd		SPB.-	-	S090	12AXD-38	90	090-4	G		HSJFP	75	121210 P018	013	1S 1S
-															1S
128	SPIRE PMW Ch13-16 . SHD90		SPB.-	-	S090	12AXD-38	90			CIS-S090	HSJFP	75	121210 P018	013	1S 1S
FCR	SPIRE PMW Ch13-16 . COS90		SPB.-	-	S090	12AXD-38	90			COS-S090 con to FCR	HSJFP	75	121210 P018	CH	1S 1S
-															
055	SPIRE PMW Ch17-20 . 17+		SPB.-	-	S091	12AXD-38	91	091-1	H		HSJFP	75	121210 P018	005	1S 1S
066	SPIRE PMW Ch17-20 . 17-		SPB.-	-	S091	12AXD-38	91	091-1	H		HSJFP	75	121210 P018	018	1S 1S
128	SPIRE PMW Ch17-20 . 17gnd		SPB.-	-	S091	12AXD-38	91	091-1	H		HSJFP	75	121210 P018	013	1S 1S
-															
067	SPIRE PMW Ch17-20 . 18+		SPB.-	-	S091	12AXD-38	91	091-2	J		HSJFP	75	121210 P018	006	1S 1S
078	SPIRE PMW Ch17-20 . 18-		SPB.-	-	S091	12AXD-38	91	091-2	J		HSJFP	75	121210 P018	019	1S 1S
128	SPIRE PMW Ch17-20 . 18gnd		SPB.-	-	S091	12AXD-38	91	091-2	J		HSJFP	75	121210 P018	013	1S 1S
-															
076	SPIRE PMW Ch17-20 . 19+		SPB.-	-	S091	12AXD-38	91	091-3	K		HSJFP	75	121210 P018	020	1S 1S
077	SPIRE PMW Ch17-20 . 19-		SPB.-	-	S091	12AXD-38	91	091-3	K		HSJFP	75	121210 P018	007	1S 1S
128	SPIRE PMW Ch17-20 . 19gnd		SPB.-	-	S091	12AXD-38	91	091-3	K		HSJFP	75	121210 P018	013	1S 1S
-															
088	SPIRE PMW Ch17-20 . 20+		SPB.-	-	S091	12AXD-38	91	091-4	L		HSJFP	75	121210 P018	021	1S 1S
089	SPIRE PMW Ch17-20 . 20-		SPB.-	-	S091	12AXD-38	91	091-4	L		HSJFP	75	121210 P018	008	1S 1S
128	SPIRE PMW Ch17-20 . 20gnd		SPB.-	-	S091	12AXD-38	91	091-4	L		HSJFP	75	121210 P018	013	1S 1S
-															1S
128	SPIRE PMW Ch17-20 . SHD91		SPB.-	-	S091	12AXD-38	91			CIS-S091	HSJFP	75	121210 P018	013	1S 1S
FCR	SPIRE PMW Ch17-20 . COS91		SPB.-	-	S091	12AXD-38	91			COS-S091 con to FCR	HSJFP	75	121210 P018	CH	1S 1S
-															
099	SPIRE PMW Ch21-24 . 21+		SPB.-	-	S092	12AXD-38	92	092-1	M		HSJFP	75	121210 P018	022	1S 1S
100	SPIRE PMW Ch21-24 . 21-		SPB.-	-	S092	12AXD-38	92	092-1	M		HSJFP	75	121210 P018	009	1S 1S
128	SPIRE PMW Ch21-24 . 21gnd		SPB.-	-	S092	12AXD-38	92	092-1	M		HSJFP	75	121210 P018	013	1S 1S
-															
110	SPIRE PMW Ch21-24 . 22+		SPB.-	-	S092	12AXD-38	92	092-2	N		HSJFP	75	121210 P018	023	1S 1S
111	SPIRE PMW Ch21-24 . 22-		SPB.-	-	S092	12AXD-38	92	092-2	N		HSJFP	75	121210 P018	010	1S 1S
128	SPIRE PMW Ch21-24 . 22gnd		SPB.-	-	S092	12AXD-38	92	092-2	N		HSJFP	75	121210 P018	013	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
118	SPIRE PMW Ch21-24 . 23+		SPB.-	-	S092	12AXD-38	92	092-3	P		HSJFP	75	121210 P018	024	1S 1S
119	SPIRE PMW Ch21-24 . 23-		SPB.-	-	S092	12AXD-38	92	092-3	P		HSJFP	75	121210 P018	011	1S 1S
128	SPIRE PMW Ch21-24 . 23gnd		SPB.-	-	S092	12AXD-38	92	092-3	P		HSJFP	75	121210 P018	013	1S 1S
-															
112	SPIRE PMW Ch21-24 . 24+		SPB.-	-	S092	12AXD-38	92	092-4	Q		HSJFP	75	121210 P018	025	1S 1S
120	SPIRE PMW Ch21-24 . 24-		SPB.-	-	S092	12AXD-38	92	092-4	Q		HSJFP	75	121210 P018	012	1S 1S
128	SPIRE PMW Ch21-24 . 24gnd		SPB.-	-	S092	12AXD-38	92	092-4	Q		HSJFP	75	121210 P018	013	1S 1S
-															1S
128	SPIRE PMW Ch21-24 . SHD92		SPB.-	-	S092	12AXD-38	92			CIS-S092	HSJFP	75	121210 P018	013	1S 1S
FCR	SPIRE PMW Ch21-24 . COS92		SPB.-	-	S092	12AXD-38	92			COS-S092 con to FCR	HSJFP	75	121210 P018	CH	1S 1S
-															
090	SPIRE PMW Ch25-28 . 25+		SPB.-	-	S094	12AXD-38	94	094-1	R		HSJFP	75	121210 P019	001	1S 1S
079	SPIRE PMW Ch25-28 . 25-		SPB.-	-	S094	12AXD-38	94	094-1	R		HSJFP	75	121210 P019	014	1S 1S
047	SPIRE PMW Ch25-28 . 25gnd		SPB.-	-	S094	12AXD-38	94	094-1	R		HSJFP	75	121210 P019	013	1S 1S
-															
102	SPIRE PMW Ch25-28 . 26+		SPB.-	-	S094	12AXD-38	94	094-2	S		HSJFP	75	121210 P019	002	1S 1S
101	SPIRE PMW Ch25-28 . 26-		SPB.-	-	S094	12AXD-38	94	094-2	S		HSJFP	75	121210 P019	015	1S 1S
047	SPIRE PMW Ch25-28 . 26gnd		SPB.-	-	S094	12AXD-38	94	094-2	S		HSJFP	75	121210 P019	013	1S 1S
-															
092	SPIRE PMW Ch25-28 . 27+		SPB.-	-	S094	12AXD-38	94	094-3	T		HSJFP	75	121210 P019	003	1S 1S
091	SPIRE PMW Ch25-28 . 27-		SPB.-	-	S094	12AXD-38	94	094-3	T		HSJFP	75	121210 P019	016	1S 1S
047	SPIRE PMW Ch25-28 . 27gnd		SPB.-	-	S094	12AXD-38	94	094-3	T		HSJFP	75	121210 P019	013	1S 1S
-															
103	SPIRE PMW Ch25-28 . 28+		SPB.-	-	S094	12AXD-38	94	094-4	U		HSJFP	75	121210 P019	004	1S 1S
113	SPIRE PMW Ch25-28 . 28-		SPB.-	-	S094	12AXD-38	94	094-4	U		HSJFP	75	121210 P019	017	1S 1S
047	SPIRE PMW Ch25-28 . 28gnd		SPB.-	-	S094	12AXD-38	94	094-4	U		HSJFP	75	121210 P019	013	1S 1S
-															1S
047	SPIRE PMW Ch25-28 . SHD94		SPB.-	-	S094	12AXD-38	94			CIS-S094	HSJFP	75	121210 P019	013	1S 1S
FCR	SPIRE PMW Ch25-28 . COS94		SPB.-	-	S094	12AXD-38	94			COS-S094 con to FCR	HSJFP	75	121210 P019	CH	1S 1S
-															
058	SPIRE PMW Ch29-32 . 29+		SPB.-	-	S095	12AXD-38	95	095-1	V		HSJFP	75	121210 P019	005	1S 1S
046	SPIRE PMW Ch29-32 . 29-		SPB.-	-	S095	12AXD-38	95	095-1	V		HSJFP	75	121210 P019	018	1S 1S
047	SPIRE PMW Ch29-32 . 29gnd		SPB.-	-	S095	12AXD-38	95	095-1	V		HSJFP	75	121210 P019	013	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
068	SPIRE PMW Ch29-32 . 30+		SPB.-	-	S095	12AXD-38	95	095-2	W		HSJFP	75	121210 P019	006	1S 1S
057	SPIRE PMW Ch29-32 . 30-		SPB.-	-	S095	12AXD-38	95	095-2	W		HSJFP	75	121210 P019	019	1S 1S
047	SPIRE PMW Ch29-32 . 30gnd		SPB.-	-	S095	12AXD-38	95	095-2	W		HSJFP	75	121210 P019	013	1S 1S
-															
069	SPIRE PMW Ch29-32 . 31+		SPB.-	-	S095	12AXD-38	95	095-3	X		HSJFP	75	121210 P019	020	1S 1S
080	SPIRE PMW Ch29-32 . 31-		SPB.-	-	S095	12AXD-38	95	095-3	X		HSJFP	75	121210 P019	007	1S 1S
047	SPIRE PMW Ch29-32 . 31gnd		SPB.-	-	S095	12AXD-38	95	095-3	X		HSJFP	75	121210 P019	013	1S 1S
-															
070	SPIRE PMW Ch29-32 . 32+		SPB.-	-	S095	12AXD-38	95	095-4	Y		HSJFP	75	121210 P019	021	1S 1S
081	SPIRE PMW Ch29-32 . 32-		SPB.-	-	S095	12AXD-38	95	095-4	Y		HSJFP	75	121210 P019	008	1S 1S
047	SPIRE PMW Ch29-32 . 32gnd		SPB.-	-	S095	12AXD-38	95	095-4	Y		HSJFP	75	121210 P019	013	1S 1S
-															1S
047	SPIRE PMW Ch29-32 . SHD95		SPB.-	-	S095	12AXD-38	95			CIS-S095	HSJFP	75	121210 P019	013	1S 1S
FCR	SPIRE PMW Ch29-32 . COS95		SPB.-	-	S095	12AXD-38	95			COS-S095 con to FCR	HSJFP	75	121210 P019	CH	1S 1S
-															
023	SPIRE PMW Ch33-36 . 33+		SPB.-	-	S096	12AXD-38	96	096-1	Z		HSJFP	75	121210 P019	022	1S 1S
034	SPIRE PMW Ch33-36 . 33-		SPB.-	-	S096	12AXD-38	96	096-1	Z		HSJFP	75	121210 P019	009	1S 1S
047	SPIRE PMW Ch33-36 . 33gnd		SPB.-	-	S096	12AXD-38	96	096-1	Z		HSJFP	75	121210 P019	013	1S 1S
-															
033	SPIRE PMW Ch33-36 . 34+		SPB.-	-	S096	12AXD-38	96	096-2	a		HSJFP	75	121210 P019	023	1S 1S
045	SPIRE PMW Ch33-36 . 34-		SPB.-	-	S096	12AXD-38	96	096-2	a		HSJFP	75	121210 P019	010	1S 1S
047	SPIRE PMW Ch33-36 . 34gnd		SPB.-	-	S096	12AXD-38	96	096-2	a		HSJFP	75	121210 P019	013	1S 1S
-															
044	SPIRE PMW Ch33-36 . 35+		SPB.-	-	S096	12AXD-38	96	096-3	b		HSJFP	75	121210 P019	024	1S 1S
056	SPIRE PMW Ch33-36 . 35-		SPB.-	-	S096	12AXD-38	96	096-3	b		HSJFP	75	121210 P019	011	1S 1S
047	SPIRE PMW Ch33-36 . 35gnd		SPB.-	-	S096	12AXD-38	96	096-3	b		HSJFP	75	121210 P019	013	1S 1S
-															
022	SPIRE PMW Ch33-36 . 36+		SPB.-	-	S096	12AXD-38	96	096-4	c		HSJFP	75	121210 P019	025	1S 1S
032	SPIRE PMW Ch33-36 . 36-		SPB.-	-	S096	12AXD-38	96	096-4	c		HSJFP	75	121210 P019	012	1S 1S
047	SPIRE PMW Ch33-36 . 36gnd		SPB.-	-	S096	12AXD-38	96	096-4	c		HSJFP	75	121210 P019	013	1S 1S
-															1S
047	SPIRE PMW Ch33-36 . SHD96		SPB.-	-	S096	12AXD-38	96			CIS-S096	HSJFP	75	121210 P019	013	1S 1S
FCR	SPIRE PMW Ch33-36 . COS96		SPB.-	-	S096	12AXD-38	96			CIS-S096 con to FCR	HSJFP	75	121210 P019	CH	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
013	SPIRE PMW Ch37-40 . 37+		SPB.-	-	S099	12AXD-38	99	099-1	d		HSJFP	75	121210 P020	001	1S 1S
012	SPIRE PMW Ch37-40 . 37-		SPB.-	-	S099	12AXD-38	99	099-1	d		HSJFP	75	121210 P020	014	1S 1S
004	SPIRE PMW Ch37-40 . 37gnd		SPB.-	-	S099	12AXD-38	99	099-1	d		HSJFP	75	121210 P020	013	1S 1S
-															
021	SPIRE PMW Ch37-40 . 38+		SPB.-	-	S099	12AXD-38	99	099-2	e		HSJFP	75	121210 P020	002	1S 1S
020	SPIRE PMW Ch37-40 . 38-		SPB.-	-	S099	12AXD-38	99	099-2	e		HSJFP	75	121210 P020	015	1S 1S
004	SPIRE PMW Ch37-40 . 38gnd		SPB.-	-	S099	12AXD-38	99	099-2	e		HSJFP	75	121210 P020	013	1S 1S
-															
031	SPIRE PMW Ch37-40 . 39+		SPB.-	-	S099	12AXD-38	99	099-3	f		HSJFP	75	121210 P020	003	1S 1S
043	SPIRE PMW Ch37-40 . 39-		SPB.-	-	S099	12AXD-38	99	099-3	f		HSJFP	75	121210 P020	016	1S 1S
004	SPIRE PMW Ch37-40 . 39gnd		SPB.-	-	S099	12AXD-38	99	099-3	f		HSJFP	75	121210 P020	013	1S 1S
-															
042	SPIRE PMW Ch37-40 . 40+		SPB.-	-	S099	12AXD-38	99	099-4	g		HSJFP	75	121210 P020	004	1S 1S
054	SPIRE PMW Ch37-40 . 40-		SPB.-	-	S099	12AXD-38	99	099-4	g		HSJFP	75	121210 P020	017	1S 1S
004	SPIRE PMW Ch37-40 . 40gnd		SPB.-	-	S099	12AXD-38	99	099-4	g		HSJFP	75	121210 P020	013	1S 1S
-															1S
004	SPIRE PMW Ch37-40 . SHD99		SPB.-	-	S099	12AXD-38	99			CIS-S099	HSJFP	75	121210 P020	013	1S 1S
FCR	SPIRE PMW Ch37-40 . COS99		SPB.-	-	S099	12AXD-38	99			COS-S099 con to FCR	HSJFP	75	121210 P020	CH	1S 1S
-															
010	SPIRE PMW Ch41-44 . 41+		SPB.-	-	S100	12AXD-38	64	100-1	h		HSJFP	75	121210 P020	005	1S 1S
011	SPIRE PMW Ch41-44 . 41-		SPB.-	-	S100	12AXD-38	64	100-1	h		HSJFP	75	121210 P020	018	1S 1S
004	SPIRE PMW Ch41-44 . 41gnd		SPB.-	-	S100	12AXD-38	64	100-1	h		HSJFP	75	121210 P020	013	1S 1S
-															
019	SPIRE PMW Ch41-44 . 42+		SPB.-	-	S100	12AXD-38	64	100-2	j		HSJFP	75	121210 P020	006	1S 1S
029	SPIRE PMW Ch41-44 . 42-		SPB.-	-	S100	12AXD-38	64	100-2	j		HSJFP	75	121210 P020	019	1S 1S
004	SPIRE PMW Ch41-44 . 42gnd		SPB.-	-	S100	12AXD-38	64	100-2	j		HSJFP	75	121210 P020	013	1S 1S
-															
041	SPIRE PMW Ch41-44 . 43+		SPB.-	-	S100	12AXD-38	64	100-3	k		HSJFP	75	121210 P020	020	1S 1S
030	SPIRE PMW Ch41-44 . 43-		SPB.-	-	S100	12AXD-38	64	100-3	k		HSJFP	75	121210 P020	007	1S 1S
004	SPIRE PMW Ch41-44 . 43gnd		SPB.-	-	S100	12AXD-38	64	100-3	k		HSJFP	75	121210 P020	013	1S 1S
-															
053	SPIRE PMW Ch41-44 . 44+		SPB.-	-	S100	12AXD-38	64	100-4	m		HSJFP	75	121210 P020	021	1S 1S
052	SPIRE PMW Ch41-44 . 44-		SPB.-	-	S100	12AXD-38	64	100-4	m		HSJFP	75	121210 P020	008	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J023**Function / Bundle:** UFThr 199.2° / SIH-XS-05**Conn.-Type:** 197-011P24-35PN (Junct.)**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PMW Ch41-44 . 44gnd		SPB.-	-	S100	12AXD-38	64	100-4	m		HSJFP	75	121210 P020	013	1S	1S
-																1S
004	SPIRE PMW Ch41-44 . SHD64		SPB.-	-	S100	12AXD-38	64			CIS-S100	HSJFP	75	121210 P020	013	1S	1S
FCR	SPIRE PMW Ch41-44 . COS64		SPB.-	-	S100	12AXD-38	64			COS-S100 con to FCR	HSJFP	75	121210 P020	CH	1S	1S
-																
009	SPIRE PMW Ch45-48 . 45+		SPB.-	-	S101	12AXD-38	1	101-1	n		HSJFP	75	121210 P020	022	1S	1S
017	SPIRE PMW Ch45-48 . 45-		SPB.-	-	S101	12AXD-38	1	101-1	n		HSJFP	75	121210 P020	009	1S	1S
004	SPIRE PMW Ch45-48 . 45gnd		SPB.-	-	S101	12AXD-38	1	101-1	n		HSJFP	75	121210 P020	013	1S	1S
-																
018	SPIRE PMW Ch45-48 . 46+		SPB.-	-	S101	12AXD-38	1	101-2	p		HSJFP	75	121210 P020	023	1S	1S
028	SPIRE PMW Ch45-48 . 46-		SPB.-	-	S101	12AXD-38	1	101-2			HSJFP	75	121210 P020	010	1S	1S
004	SPIRE PMW Ch45-48 . 46gnd		SPB.-	-	S101	12AXD-38	1	101-2	p		HSJFP	75	121210 P020	013	1S	1S
-																
016	SPIRE PMW Ch45-48 . 47+		SPB.-	-	S101	12AXD-38	1	101-3	r		HSJFP	75	121210 P020	024	1S	1S
027	SPIRE PMW Ch45-48 . 47-		SPB.-	-	S101	12AXD-38	1	101-3	r		HSJFP	75	121210 P020	011	1S	1S
004	SPIRE PMW Ch45-48 . 47gnd		SPB.-	-	S101	12AXD-38	1	101-3	r		HSJFP	75	121210 P020	013	1S	1S
-																
040	SPIRE PMW Ch45-48 . 48+		SPB.-	-	S101	12AXD-38	1	101-4	s		HSJFP	75	121210 P020	025	1S	1S
039	SPIRE PMW Ch45-48 . 48-		SPB.-	-	S101	12AXD-38	1	101-4	s		HSJFP	75	121210 P020	012	1S	1S
004	SPIRE PMW Ch45-48 . 48gnd		SPB.-	-	S101	12AXD-38	1	101-4	s		HSJFP	75	121210 P020	013	1S	1S
-																1S
004	SPIRE PMW Ch45-48 . SHD01		SPB.-	-	S101	12AXD-38	1			CIS-S101	HSJFP	75	121210 P020	013	1S	1S
FCR	SPIRE PMW Ch45-48 . COS01		SPB.-	-	S101	12AXD-38	1			COS-S101 con to FCR	HSJFP	75	121210 P020	CH	1S	1S
-																
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
-	harness branch to be isolated from s/c structure														1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List

(Harness)

Connector: 121210 P016
Item: HSJFP

Function / Bundle: SPIRE Bol Sig from HSJFP8 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PLW Ch37-40 . 37+		SPA.-	-	S118	12AXD-38	18	118-1	1		CVVUCR	33	211121 J024	013	1S	1S
014	SPIRE PLW Ch37-40 . 37-		SPA.-	-	S118	12AXD-38	18	118-1	1		CVVUCR	33	211121 J024	012	1S	1S
013	SPIRE PLW Ch37-40 . 37gnd		SPA.-	-	S118	12AXD-38	18	118-1	1		CVVUCR	33	211121 J024	004	1S	1S
-																
002	SPIRE PLW Ch37-40 . 38+		SPA.-	-	S118	12AXD-38	18	118-2	2		CVVUCR	33	211121 J024	021	1S	1S
015	SPIRE PLW Ch37-40 . 38-		SPA.-	-	S118	12AXD-38	18	118-2	2		CVVUCR	33	211121 J024	020	1S	1S
013	SPIRE PLW Ch37-40 . 38gnd		SPA.-	-	S118	12AXD-38	18	118-2	2		CVVUCR	33	211121 J024	004	1S	1S
-																
003	SPIRE PLW Ch37-40 . 39+		SPA.-	-	S118	12AXD-38	18	118-3	3		CVVUCR	33	211121 J024	031	1S	1S
016	SPIRE PLW Ch37-40 . 39-		SPA.-	-	S118	12AXD-38	18	118-3	3		CVVUCR	33	211121 J024	043	1S	1S
013	SPIRE PLW Ch37-40 . 39gnd		SPA.-	-	S118	12AXD-38	18	118-3	3		CVVUCR	33	211121 J024	004	1S	1S
-																
004	SPIRE PLW Ch37-40 . 40+		SPA.-	-	S118	12AXD-38	18	118-4	4		CVVUCR	33	211121 J024	042	1S	1S
017	SPIRE PLW Ch37-40 . 40-		SPA.-	-	S118	12AXD-38	18	118-4	4		CVVUCR	33	211121 J024	054	1S	1S
013	SPIRE PLW Ch37-40 . 40gnd		SPA.-	-	S118	12AXD-38	18	118-4	4		CVVUCR	33	211121 J024	004	1S	1S
-																1S
013	SPIRE PLW Ch37-40 . SHD18		SPA.-	-	S118	12AXD-38	18			CIS-S118	CVVUCR	33	211121 J024	004	1S	1S
CH	SPIRE PLW Ch37-40 . COS18		SPA.-	-	S118	12AXD-38	18			COS-S118 con to CH	CVVUCR	33	211121 J024	FCR	1S	1S
-																
005	SPIRE PLW Ch41-44 . 41+		SPA.-	-	S119	12AXD-38	19	119-1	5		CVVUCR	33	211121 J024	010	1S	1S
018	SPIRE PLW Ch41-44 . 41-		SPA.-	-	S119	12AXD-38	19	119-1	5		CVVUCR	33	211121 J024	011	1S	1S
013	SPIRE PLW Ch41-44 . 41gnd		SPA.-	-	S119	12AXD-38	19	119-1	5		CVVUCR	33	211121 J024	004	1S	1S
-																
006	SPIRE PLW Ch41-44 . 42+		SPA.-	-	S119	12AXD-38	19	119-2	6		CVVUCR	33	211121 J024	019	1S	1S
019	SPIRE PLW Ch41-44 . 42-		SPA.-	-	S119	12AXD-38	19	119-2	6		CVVUCR	33	211121 J024	029	1S	1S
013	SPIRE PLW Ch41-44 . 42gnd		SPA.-	-	S119	12AXD-38	19	119-2	6		CVVUCR	33	211121 J024	004	1S	1S
-																
020	SPIRE PLW Ch41-44 . 43+		SPA.-	-	S119	12AXD-38	19	119-3	7		CVVUCR	33	211121 J024	041	1S	1S
007	SPIRE PLW Ch41-44 . 43-		SPA.-	-	S119	12AXD-38	19	119-3	7		CVVUCR	33	211121 J024	030	1S	1S
013	SPIRE PLW Ch41-44 . 43gnd		SPA.-	-	S119	12AXD-38	19	119-3	7		CVVUCR	33	211121 J024	004	1S	1S
-																
021	SPIRE PLW Ch41-44 . 44+		SPA.-	-	S119	12AXD-38	19	119-4	8		CVVUCR	33	211121 J024	053	1S	1S
008	SPIRE PLW Ch41-44 . 44-		SPA.-	-	S119	12AXD-38	19	119-4	8		CVVUCR	33	211121 J024	052	1S	1S
013	SPIRE PLW Ch41-44 . 44gnd		SPA.-	-	S119	12AXD-38	19	119-4	8		CVVUCR	33	211121 J024	004	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P016
Item: HSJFP

Function / Bundle: SPIRE Bol Sig from HSJFP8 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PLW Ch41-44 . SHD19		SPA.-	-	S119	12AXD-38	19			CIS-S119	CVVUCR	33	211121 J024	004	1S 1S
CH	SPIRE PLW Ch41-44 . COS19		SPA.-	-	S119	12AXD-38	19			COS-S119 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
022	SPIRE PLW Ch45-48 . 45+		SPA.-	-	S120	12AXD-38	20	120-1	9		CVVUCR	33	211121 J024	009	1S 1S
009	SPIRE PLW Ch45-48 . 45-		SPA.-	-	S120	12AXD-38	20	120-1	9		CVVUCR	33	211121 J024	017	1S 1S
013	SPIRE PLW Ch45-48 . 45gnd		SPA.-	-	S120	12AXD-38	20	120-1	9		CVVUCR	33	211121 J024	004	1S 1S
-															
023	SPIRE PLW Ch45-48 . 46+		SPA.-	-	S120	12AXD-38	20	120-2	A		CVVUCR	33	211121 J024	018	1S 1S
010	SPIRE PLW Ch45-48 . 46-		SPA.-	-	S120	12AXD-38	20	120-2	A		CVVUCR	33	211121 J024	028	1S 1S
013	SPIRE PLW Ch45-48 . 46gnd		SPA.-	-	S120	12AXD-38	20	120-2	A		CVVUCR	33	211121 J024	004	1S 1S
-															
024	SPIRE PLW Ch45-48 . 47+		SPA.-	-	S120	12AXD-38	20	120-3	B		CVVUCR	33	211121 J024	016	1S 1S
011	SPIRE PLW Ch45-48 . 47-		SPA.-	-	S120	12AXD-38	20	120-3	B		CVVUCR	33	211121 J024	027	1S 1S
013	SPIRE PLW Ch45-48 . 47gnd		SPA.-	-	S120	12AXD-38	20	120-3	B		CVVUCR	33	211121 J024	004	1S 1S
-															
025	SPIRE PLW Ch45-48 . 48+		SPA.-	-	S120	12AXD-38	20	120-4	C		CVVUCR	33	211121 J024	040	1S 1S
012	SPIRE PLW Ch45-48 . 48-		SPA.-	-	S120	12AXD-38	20	120-4	C		CVVUCR	33	211121 J024	039	1S 1S
013	SPIRE PLW Ch45-48 . 48gnd		SPA.-	-	S120	12AXD-38	20	120-4	C		CVVUCR	33	211121 J024	004	1S 1S
013	SPIRE PLW Ch45-48 . SHD20		SPA.-	-	S120	12AXD-38	20			CIS-S120	CVVUCR	33	211121 J024	004	1S 1S
CH	SPIRE PLW Ch45-48 . COS20		SPA.-	-	S120	12AXD-38	20			COS-S120 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P015
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP8 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PLW Ch25-28 . 25+		SPA.-	-	S113	12AXD-38	13	113-1	1		CVVUCR	33	211121 J024	090	1S	1S
014	SPIRE PLW Ch25-28 . 25-		SPA.-	-	S113	12AXD-38	13	113-1	1		CVVUCR	33	211121 J024	079	1S	1S
013	SPIRE PLW Ch25-28 . 25gnd		SPA.-	-	S113	12AXD-38	13	113-1	1		CVVUCR	33	211121 J024	047	1S	1S
-																
002	SPIRE PLW Ch25-28 . 26+		SPA.-	-	S113	12AXD-38	13	113-2	2		CVVUCR	33	211121 J024	102	1S	1S
015	SPIRE PLW Ch25-28 . 26-		SPA.-	-	S113	12AXD-38	13	113-2	2		CVVUCR	33	211121 J024	101	1S	1S
013	SPIRE PLW Ch25-28 . 26gnd		SPA.-	-	S113	12AXD-38	13	113-2	2		CVVUCR	33	211121 J024	047	1S	1S
-																
003	SPIRE PLW Ch25-28 . 27+		SPA.-	-	S113	12AXD-38	13	113-3	3		CVVUCR	33	211121 J024	092	1S	1S
016	SPIRE PLW Ch25-28 . 27-		SPA.-	-	S113	12AXD-38	13	113-3	3		CVVUCR	33	211121 J024	091	1S	1S
013	SPIRE PLW Ch25-28 . 27gnd		SPA.-	-	S113	12AXD-38	13	113-3	3		CVVUCR	33	211121 J024	047	1S	1S
-																
004	SPIRE PLW Ch25-28 . 28+		SPA.-	-	S113	12AXD-38	13	113-4	4		CVVUCR	33	211121 J024	103	1S	1S
017	SPIRE PLW Ch25-28 . 28-		SPA.-	-	S113	12AXD-38	13	113-4	4		CVVUCR	33	211121 J024	113	1S	1S
013	SPIRE PLW Ch25-28 . 28gnd		SPA.-	-	S113	12AXD-38	13	113-4	4		CVVUCR	33	211121 J024	047	1S	1S
-																1S
013	SPIRE PLW Ch25-28 . SHD13		SPA.-	-	S113	12AXD-38	13			CIS-S113	CVVUCR	33	211121 J024	047	1S	1S
CH	SPIRE PLW Ch25-28 . COS13		SPA.-	-	S113	12AXD-38	13			COS-S113 con to CH	CVVUCR	33	211121 J024	FCR	1S	1S
-																
005	SPIRE PLW Ch29-32 . 29+		SPA.-	-	S114	12AXD-38	14	114-1	5		CVVUCR	33	211121 J024	058	1S	1S
018	SPIRE PLW Ch29-32 . 29-		SPA.-	-	S114	12AXD-38	14	114-1	5		CVVUCR	33	211121 J024	046	1S	1S
013	SPIRE PLW Ch29-32 . 29gnd		SPA.-	-	S114	12AXD-38	14	114-1	5		CVVUCR	33	211121 J024	047	1S	1S
-																
006	SPIRE PLW Ch29-32 . 30+		SPA.-	-	S114	12AXD-38	14	114-2	6		CVVUCR	33	211121 J024	068	1S	1S
019	SPIRE PLW Ch29-32 . 30-		SPA.-	-	S114	12AXD-38	14	114-2	6		CVVUCR	33	211121 J024	057	1S	1S
013	SPIRE PLW Ch29-32 . 30gnd		SPA.-	-	S114	12AXD-38	14	114-2	6		CVVUCR	33	211121 J024	047	1S	1S
-																
020	SPIRE PLW Ch29-32 . 31+		SPA.-	-	S114	12AXD-38	14	114-3	7		CVVUCR	33	211121 J024	069	1S	1S
007	SPIRE PLW Ch29-32 . 31-		SPA.-	-	S114	12AXD-38	14	114-3	7		CVVUCR	33	211121 J024	080	1S	1S
013	SPIRE PLW Ch29-32 . 31gnd		SPA.-	-	S114	12AXD-38	14	114-3	7		CVVUCR	33	211121 J024	047	1S	1S
-																
021	SPIRE PLW Ch29-32 . 32+		SPA.-	-	S114	12AXD-38	14	114-4	8		CVVUCR	33	211121 J024	070	1S	1S
008	SPIRE PLW Ch29-32 . 32-		SPA.-	-	S114	12AXD-38	14	114-4	8		CVVUCR	33	211121 J024	081	1S	1S
013	SPIRE PLW Ch29-32 . 32gnd		SPA.-	-	S114	12AXD-38	14	114-4	8		CVVUCR	33	211121 J024	047	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P015
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP8 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PLW Ch29-32 . SHD14		SPA.-	-	S114	12AXD-38	14			CIS-S114	CVVUCR	33	211121 J024	047	1S 1S
CH	SPIRE PLW Ch29-32 . COS14		SPA.-	-	S114	12AXD-38	14			COS-S114 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
022	SPIRE PLW Ch33-36 . 33+		SPA.-	-	S115	12AXD-38	15	115-1	9		CVVUCR	33	211121 J024	023	1S 1S
009	SPIRE PLW Ch33-36 . 33-		SPA.-	-	S115	12AXD-38	15	115-1	9		CVVUCR	33	211121 J024	034	1S 1S
013	SPIRE PLW Ch33-36 . 33gnd		SPA.-	-	S115	12AXD-38	15	115-1	9		CVVUCR	33	211121 J024	047	1S 1S
-															
023	SPIRE PLW Ch33-36 . 34+		SPA.-	-	S115	12AXD-38	15	115-2	A		CVVUCR	33	211121 J024	033	1S 1S
010	SPIRE PLW Ch33-36 . 34-		SPA.-	-	S115	12AXD-38	15	115-2	A		CVVUCR	33	211121 J024	045	1S 1S
013	SPIRE PLW Ch33-36 . 34gnd		SPA.-	-	S115	12AXD-38	15	115-2	A		CVVUCR	33	211121 J024	047	1S 1S
-															
024	SPIRE PLW Ch33-36 . 35+		SPA.-	-	S115	12AXD-38	15	115-3	B		CVVUCR	33	211121 J024	044	1S 1S
011	SPIRE PLW Ch33-36 . 35-		SPA.-	-	S115	12AXD-38	15	115-3	B		CVVUCR	33	211121 J024	056	1S 1S
013	SPIRE PLW Ch33-36 . 35gnd		SPA.-	-	S115	12AXD-38	15	115-3	B		CVVUCR	33	211121 J024	047	1S 1S
-															
025	SPIRE PLW Ch33-36 . 36+		SPA.-	-	S115	12AXD-38	15	115-4	C		CVVUCR	33	211121 J024	022	1S 1S
012	SPIRE PLW Ch33-36 . 36-		SPA.-	-	S115	12AXD-38	15	115-4	C		CVVUCR	33	211121 J024	032	1S 1S
013	SPIRE PLW Ch33-36 . 36gnd		SPA.-	-	S115	12AXD-38	15	115-4	C		CVVUCR	33	211121 J024	047	1S 1S
-															1S
013	SPIRE PLW Ch33-36 . SHD15		SPA.-	-	S115	12AXD-38	15			CIS-S115	CVVUCR	33	211121 J024	047	1S 1S
CH	SPIRE PLW Ch33-36 . COS15		SPA.-	-	S115	12AXD-38	15			COS-S115 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 121210 P014
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PLW Ch13-16 . 13+		SPA.-	-	S109	12AXD-38	9	109-1	1		CVVUCR	33	211121 J024	086	1S	1S
014	SPIRE PLW Ch13-16 . 13-		SPA.-	-	S109	12AXD-38	9	109-1	1		CVVUCR	33	211121 J024	087	1S	1S
013	SPIRE PLW Ch13-16 . 13gnd		SPA.-	-	S109	12AXD-38	9	109-1	1		CVVUCR	33	211121 J024	128	1S	1S
-																
002	SPIRE PLW Ch13-16 . 14+		SPA.-	-	S109	12AXD-38	9	109-2	2		CVVUCR	33	211121 J024	097	1S	1S
015	SPIRE PLW Ch13-16 . 14-		SPA.-	-	S109	12AXD-38	9	109-2	2		CVVUCR	33	211121 J024	098	1S	1S
013	SPIRE PLW Ch13-16 . 14gnd		SPA.-	-	S109	12AXD-38	9	109-2	2		CVVUCR	33	211121 J024	128	1S	1S
-																
003	SPIRE PLW Ch13-16 . 15+		SPA.-	-	S109	12AXD-38	9	109-3	3		CVVUCR	33	211121 J024	108	1S	1S
016	SPIRE PLW Ch13-16 . 15-		SPA.-	-	S109	12AXD-38	9	109-3	3		CVVUCR	33	211121 J024	109	1S	1S
013	SPIRE PLW Ch13-16 . 15gnd		SPA.-	-	S109	12AXD-38	9	109-3	3		CVVUCR	33	211121 J024	128	1S	1S
-																
004	SPIRE PLW Ch13-16 . 16+		SPA.-	-	S109	12AXD-38	9	109-4	4		CVVUCR	33	211121 J024	116	1S	1S
017	SPIRE PLW Ch13-16 . 16-		SPA.-	-	S109	12AXD-38	9	109-4	4		CVVUCR	33	211121 J024	117	1S	1S
013	SPIRE PLW Ch13-16 . 16gnd		SPA.-	-	S109	12AXD-38	9	109-4	4		CVVUCR	33	211121 J024	128	1S	1S
-																1S
013	SPIRE PLW Ch13-16 . SHD09		SPA.-	-	S109	12AXD-38	9			CIS-S109	CVVUCR	33	211121 J024	128	1S	1S
CH	SPIRE PLW Ch13-16 . COS09		SPA.-	-	S109	12AXD-38	9			COS-S109 con to CH	CVVUCR	33	211121 J024	FCR	1S	1S
-																
005	SPIRE PLW Ch17-20 . 17+		SPA.-	-	S110	12AXD-38	10	110-1	5		CVVUCR	33	211121 J024	055	1S	1S
018	SPIRE PLW Ch17-20 . 17-		SPA.-	-	S110	12AXD-38	10	110-1	5		CVVUCR	33	211121 J024	066	1S	1S
013	SPIRE PLW Ch17-20 . 17gnd		SPA.-	-	S110	12AXD-38	10	110-1	5		CVVUCR	33	211121 J024	128	1S	1S
-																
006	SPIRE PLW Ch17-20 . 18+		SPA.-	-	S110	12AXD-38	10	110-2	6		CVVUCR	33	211121 J024	067	1S	1S
019	SPIRE PLW Ch17-20 . 18-		SPA.-	-	S110	12AXD-38	10	110-2	6		CVVUCR	33	211121 J024	078	1S	1S
013	SPIRE PLW Ch17-20 . 18gnd		SPA.-	-	S110	12AXD-38	10	110-2	6		CVVUCR	33	211121 J024	128	1S	1S
-																
020	SPIRE PLW Ch17-20 . 19+		SPA.-	-	S110	12AXD-38	10	110-3	7		CVVUCR	33	211121 J024	076	1S	1S
007	SPIRE PLW Ch17-20 . 19-		SPA.-	-	S110	12AXD-38	10	110-3	7		CVVUCR	33	211121 J024	077	1S	1S
013	SPIRE PLW Ch17-20 . 19gnd		SPA.-	-	S110	12AXD-38	10	110-3	7		CVVUCR	33	211121 J024	128	1S	1S
-																
021	SPIRE PLW Ch17-20 . 20+		SPA.-	-	S110	12AXD-38	10	110-4	8		CVVUCR	33	211121 J024	088	1S	1S
008	SPIRE PLW Ch17-20 . 20-		SPA.-	-	S110	12AXD-38	10	110-4	8		CVVUCR	33	211121 J024	089	1S	1S
013	SPIRE PLW Ch17-20 . 20gnd		SPA.-	-	S110	12AXD-38	10	110-4	8		CVVUCR	33	211121 J024	128	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P014
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PLW Ch17-20 . SHD10		SPA.-	-	S110	12AXD-38	10			CIS-S110	CVVUCR	33	211121 J024	128	1S 1S
CH	SPIRE PLW Ch17-20 . COS10		SPA.-	-	S110	12AXD-38	10			COS-S110 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
022	SPIRE PLW Ch21-24 . 21+		SPA.-	-	S111	12AXD-38	11	111-1	9		CVVUCR	33	211121 J024	099	1S 1S
009	SPIRE PLW Ch21-24 . 21-		SPA.-	-	S111	12AXD-38	11	111-1	9		CVVUCR	33	211121 J024	100	1S 1S
013	SPIRE PLW Ch21-24 . 21gnd		SPA.-	-	S111	12AXD-38	11	111-1	9		CVVUCR	33	211121 J024	128	1S 1S
-															
023	SPIRE PLW Ch21-24 . 22+		SPA.-	-	S111	12AXD-38	11	111-2	A		CVVUCR	33	211121 J024	110	1S 1S
010	SPIRE PLW Ch21-24 . 22-		SPA.-	-	S111	12AXD-38	11	111-2	A		CVVUCR	33	211121 J024	111	1S 1S
013	SPIRE PLW Ch21-24 . 22gnd		SPA.-	-	S111	12AXD-38	11	111-2	A		CVVUCR	33	211121 J024	128	1S 1S
-															
024	SPIRE PLW Ch21-24 . 23+		SPA.-	-	S111	12AXD-38	11	111-3	B		CVVUCR	33	211121 J024	118	1S 1S
011	SPIRE PLW Ch21-24 . 23-		SPA.-	-	S111	12AXD-38	11	111-3	B		CVVUCR	33	211121 J024	119	1S 1S
013	SPIRE PLW Ch21-24 . 23gnd		SPA.-	-	S111	12AXD-38	11	111-3	B		CVVUCR	33	211121 J024	128	1S 1S
-															
025	SPIRE PLW Ch21-24 . 24+		SPA.-	-	S111	12AXD-38	11	111-4	C		CVVUCR	33	211121 J024	112	1S 1S
012	SPIRE PLW Ch21-24 . 24-		SPA.-	-	S111	12AXD-38	11	111-4	C		CVVUCR	33	211121 J024	120	1S 1S
013	SPIRE PLW Ch21-24 . 24gnd		SPA.-	-	S111	12AXD-38	11	111-4	C		CVVUCR	33	211121 J024	128	1S 1S
-															1S
013	SPIRE PLW Ch21-24 . SHD11		SPA.-	-	S111	12AXD-38	11			CIS-S111	CVVUCR	33	211121 J024	128	1S 1S
CH	SPIRE PLW Ch21-24 . COS11		SPA.-	-	S111	12AXD-38	11			COS-S111 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P013
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PLW Ch01-04 . 1+		SPA.-	-	S104	12AXD-38	4	104-1	1		CVVUCR	33	211121 J024	026	1S	1S
014	SPIRE PLW Ch01-04 . 1-		SPA.-	-	S104	12AXD-38	4	104-1	1		CVVUCR	33	211121 J024	037	1S	1S
013	SPIRE PLW Ch01-04 . 1gnd		SPA.-	-	S104	12AXD-38	4	104-1	1		CVVUCR	33	211121 J024	036	1S	1S
-																
002	SPIRE PLW Ch01-04 . 2+		SPA.-	-	S104	12AXD-38	4	104-2	2		CVVUCR	33	211121 J024	038	1S	1S
015	SPIRE PLW Ch01-04 . 2-		SPA.-	-	S104	12AXD-38	4	104-2	2		CVVUCR	33	211121 J024	049	1S	1S
013	SPIRE PLW Ch01-04 . 2gnd		SPA.-	-	S104	12AXD-38	4	104-2	2		CVVUCR	33	211121 J024	036	1S	1S
-																
003	SPIRE PLW Ch01-04 . 3+		SPA.-	-	S104	12AXD-38	4	104-3	3		CVVUCR	33	211121 J024	048	1S	1S
016	SPIRE PLW Ch01-04 . 3-		SPA.-	-	S104	12AXD-38	4	104-3	3		CVVUCR	33	211121 J024	060	1S	1S
013	SPIRE PLW Ch01-04 . 3gnd		SPA.-	-	S104	12AXD-38	4	104-3	3		CVVUCR	33	211121 J024	036	1S	1S
-																
004	SPIRE PLW Ch01-04 . 4+		SPA.-	-	S104	12AXD-38	4	104-4	4		CVVUCR	33	211121 J024	059	1S	1S
017	SPIRE PLW Ch01-04 . 4-		SPA.-	-	S104	12AXD-38	4	104-4	4		CVVUCR	33	211121 J024	071	1S	1S
013	SPIRE PLW Ch01-04 . 4gnd		SPA.-	-	S104	12AXD-38	4	104-4	4		CVVUCR	33	211121 J024	036	1S	1S
-																1S
013	SPIRE PLW Ch01-04 . SHD04		SPA.-	-	S104	12AXD-38	4			CIS-S104	CVVUCR	33	211121 J024	036	1S	1S
CH	SPIRE PLW Ch01-04 . COS04		SPA.-	-	S104	12AXD-38	4			COS-S104 con to CH	CVVUCR	33	211121 J024	FCR	1S	1S
-																
005	SPIRE PLW Ch05-08 . 5+		SPA.-	-	S105	12AXD-38	5	105-1	5		CVVUCR	33	211121 J024	050	1S	1S
018	SPIRE PLW Ch05-08 . 5-		SPA.-	-	S105	12AXD-38	5	105-1	5		CVVUCR	33	211121 J024	061	1S	1S
013	SPIRE PLW Ch05-08 . 5gnd		SPA.-	-	S105	12AXD-38	5	105-1	5		CVVUCR	33	211121 J024	036	1S	1S
-																
006	SPIRE PLW Ch05-08 . 6+		SPA.-	-	S105	12AXD-38	5	105-2	6		CVVUCR	33	211121 J024	062	1S	1S
019	SPIRE PLW Ch05-08 . 6-		SPA.-	-	S105	12AXD-38	5	105-2	6		CVVUCR	33	211121 J024	051	1S	1S
013	SPIRE PLW Ch05-08 . 6gnd		SPA.-	-	S105	12AXD-38	5	105-2	6		CVVUCR	33	211121 J024	036	1S	1S
-																
020	SPIRE PLW Ch05-08 . 7+		SPA.-	-	S105	12AXD-38	5	105-3	7		CVVUCR	33	211121 J024	063	1S	1S
007	SPIRE PLW Ch05-08 . 7-		SPA.-	-	S105	12AXD-38	5	105-3	7		CVVUCR	33	211121 J024	075	1S	1S
013	SPIRE PLW Ch05-08 . 7gnd		SPA.-	-	S105	12AXD-38	5	105-3	7		CVVUCR	33	211121 J024	036	1S	1S
-																
021	SPIRE PLW Ch05-08 . 8+		SPA.-	-	S105	12AXD-38	5	105-4	8		CVVUCR	33	211121 J024	074	1S	1S
008	SPIRE PLW Ch05-08 . 8-		SPA.-	-	S105	12AXD-38	5	105-4	8		CVVUCR	33	211121 J024	073	1S	1S
013	SPIRE PLW Ch05-08 . 8gnd		SPA.-	-	S105	12AXD-38	5	105-4	8		CVVUCR	33	211121 J024	036	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P013
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PLW Ch05-08 . SHD05		SPA.-	-	S105	12AXD-38	5			CIS-S105	CVVUCR	33	211121 J024	036	1S 1S
CH	SPIRE PLW Ch05-08 . COS05		SPA.-	-	S105	12AXD-38	5			COS-S105 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
022	SPIRE PLW Ch09-12 . 9+		SPA.-	-	S106	12AXD-38	6	106-1	9		CVVUCR	33	211121 J024	083	1S 1S
009	SPIRE PLW Ch09-12 . 9-		SPA.-	-	S106	12AXD-38	6	106-1	9		CVVUCR	33	211121 J024	072	1S 1S
013	SPIRE PLW Ch09-12 . 9gnd		SPA.-	-	S106	12AXD-38	6	106-1	9		CVVUCR	33	211121 J024	036	1S 1S
-															
023	SPIRE PLW Ch09-12 . 10+		SPA.-	-	S106	12AXD-38	6	106-2	A		CVVUCR	33	211121 J024	095	1S 1S
010	SPIRE PLW Ch09-12 . 10-		SPA.-	-	S106	12AXD-38	6	106-2	A		CVVUCR	33	211121 J024	084	1S 1S
013	SPIRE PLW Ch09-12 . 10gnd		SPA.-	-	S106	12AXD-38	6	106-2	A		CVVUCR	33	211121 J024	036	1S 1S
-															
024	SPIRE PLW Ch09-12 . 11+		SPA.-	-	S106	12AXD-38	6	106-3	B		CVVUCR	33	211121 J024	096	1S 1S
011	SPIRE PLW Ch09-12 . 11-		SPA.-	-	S106	12AXD-38	6	106-3	B		CVVUCR	33	211121 J024	085	1S 1S
013	SPIRE PLW Ch09-12 . 11gnd		SPA.-	-	S106	12AXD-38	6	106-3	B		CVVUCR	33	211121 J024	036	1S 1S
-															
025	SPIRE PLW Ch09-12 . 12+		SPA.-	-	S106	12AXD-38	6	106-4	C		CVVUCR	33	211121 J024	106	1S 1S
012	SPIRE PLW Ch09-12 . 12-		SPA.-	-	S106	12AXD-38	6	106-4	C		CVVUCR	33	211121 J024	107	1S 1S
013	SPIRE PLW Ch09-12 . 12gnd		SPA.-	-	S106	12AXD-38	6	106-4	C		CVVUCR	33	211121 J024	036	1S 1S
-															1S
013	SPIRE PLW Ch09-12 . SHD06		SPA.-	-	S106	12AXD-38	6			CIS-S106	CVVUCR	33	211121 J024	036	1S 1S
CH	SPIRE PLW Ch09-12 . COS06		SPA.-	-	S106	12AXD-38	6			COS-S106 con to CH	CVVUCR	33	211121 J024	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PLW Ch01-04 . 1+		SPA.-	-	S104	12AXD-38	4	104-1	1		HSJFP	75	121210 P013	001	1S	1S
037	SPIRE PLW Ch01-04 . 1-		SPA.-	-	S104	12AXD-38	4	104-1	1		HSJFP	75	121210 P013	014	1S	1S
036	SPIRE PLW Ch01-04 . 1gnd		SPA.-	-	S104	12AXD-38	4	104-1	1		HSJFP	75	121210 P013	013	1S	1S
-																
038	SPIRE PLW Ch01-04 . 2+		SPA.-	-	S104	12AXD-38	4	104-2	2		HSJFP	75	121210 P013	002	1S	1S
049	SPIRE PLW Ch01-04 . 2-		SPA.-	-	S104	12AXD-38	4	104-2	2		HSJFP	75	121210 P013	015	1S	1S
036	SPIRE PLW Ch01-04 . 2gnd		SPA.-	-	S104	12AXD-38	4	104-2	2		HSJFP	75	121210 P013	013	1S	1S
-																
048	SPIRE PLW Ch01-04 . 3+		SPA.-	-	S104	12AXD-38	4	104-3	3		HSJFP	75	121210 P013	003	1S	1S
060	SPIRE PLW Ch01-04 . 3-		SPA.-	-	S104	12AXD-38	4	104-3	3		HSJFP	75	121210 P013	016	1S	1S
036	SPIRE PLW Ch01-04 . 3gnd		SPA.-	-	S104	12AXD-38	4	104-3	3		HSJFP	75	121210 P013	013	1S	1S
-																
059	SPIRE PLW Ch01-04 . 4+		SPA.-	-	S104	12AXD-38	4	104-4	4		HSJFP	75	121210 P013	004	1S	1S
071	SPIRE PLW Ch01-04 . 4-		SPA.-	-	S104	12AXD-38	4	104-4	4		HSJFP	75	121210 P013	017	1S	1S
036	SPIRE PLW Ch01-04 . 4gnd		SPA.-	-	S104	12AXD-38	4	104-4	4		HSJFP	75	121210 P013	013	1S	1S
-																1S
036	SPIRE PLW Ch01-04 . SHD04		SPA.-	-	S104	12AXD-38	4			CIS-S104	HSJFP	75	121210 P013	013	1S	1S
FCR	SPIRE PLW Ch01-04 . COS04		SPA.-	-	S104	12AXD-38	4			COS-S104 con to FCR	HSJFP	75	121210 P013	CH	1S	1S
-																
050	SPIRE PLW Ch05-08 . 5+		SPA.-	-	S105	12AXD-38	5	105-1	5		HSJFP	75	121210 P013	005	1S	1S
061	SPIRE PLW Ch05-08 . 5-		SPA.-	-	S105	12AXD-38	5	105-1	5		HSJFP	75	121210 P013	018	1S	1S
036	SPIRE PLW Ch05-08 . 5gnd		SPA.-	-	S105	12AXD-38	5	105-1	5		HSJFP	75	121210 P013	013	1S	1S
-																
062	SPIRE PLW Ch05-08 . 6+		SPA.-	-	S105	12AXD-38	5	105-2	6		HSJFP	75	121210 P013	006	1S	1S
051	SPIRE PLW Ch05-08 . 6-		SPA.-	-	S105	12AXD-38	5	105-2	6		HSJFP	75	121210 P013	019	1S	1S
036	SPIRE PLW Ch05-08 . 6gnd		SPA.-	-	S105	12AXD-38	5	105-2	6		HSJFP	75	121210 P013	013	1S	1S
-																
063	SPIRE PLW Ch05-08 . 7+		SPA.-	-	S105	12AXD-38	5	105-3	7		HSJFP	75	121210 P013	020	1S	1S
075	SPIRE PLW Ch05-08 . 7-		SPA.-	-	S105	12AXD-38	5	105-3	7		HSJFP	75	121210 P013	007	1S	1S
036	SPIRE PLW Ch05-08 . 7gnd		SPA.-	-	S105	12AXD-38	5	105-3	7		HSJFP	75	121210 P013	013	1S	1S
-																
074	SPIRE PLW Ch05-08 . 8+		SPA.-	-	S105	12AXD-38	5	105-4	8		HSJFP	75	121210 P013	021	1S	1S
073	SPIRE PLW Ch05-08 . 8-		SPA.-	-	S105	12AXD-38	5	105-4	8		HSJFP	75	121210 P013	008	1S	1S
036	SPIRE PLW Ch05-08 . 8gnd		SPA.-	-	S105	12AXD-38	5	105-4	8		HSJFP	75	121210 P013	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J024

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PLW Ch05-08 . SHD05		SPA.-	-	S105	12AXD-38	5			CIS-S105	HSJFP	75	121210 P013	013	1S 1S
FCR	SPIRE PLW Ch05-08 . COS05		SPA.-	-	S105	12AXD-38	5			COS-S105 con to FCR	HSJFP	75	121210 P013	CH	1S 1S
-															
083	SPIRE PLW Ch09-12 . 9+		SPA.-	-	S106	12AXD-38	6	106-1	9		HSJFP	75	121210 P013	022	1S 1S
072	SPIRE PLW Ch09-12 . 9-		SPA.-	-	S106	12AXD-38	6	106-1	9		HSJFP	75	121210 P013	009	1S 1S
036	SPIRE PLW Ch09-12 . 9gnd		SPA.-	-	S106	12AXD-38	6	106-1	9		HSJFP	75	121210 P013	013	1S 1S
-															
095	SPIRE PLW Ch09-12 . 10+		SPA.-	-	S106	12AXD-38	6	106-2	A		HSJFP	75	121210 P013	023	1S 1S
084	SPIRE PLW Ch09-12 . 10-		SPA.-	-	S106	12AXD-38	6	106-2	A		HSJFP	75	121210 P013	010	1S 1S
036	SPIRE PLW Ch09-12 . 10gnd		SPA.-	-	S106	12AXD-38	6	106-2	A		HSJFP	75	121210 P013	013	1S 1S
-															
096	SPIRE PLW Ch09-12 . 11+		SPA.-	-	S106	12AXD-38	6	106-3	B		HSJFP	75	121210 P013	024	1S 1S
085	SPIRE PLW Ch09-12 . 11-		SPA.-	-	S106	12AXD-38	6	106-3	B		HSJFP	75	121210 P013	011	1S 1S
036	SPIRE PLW Ch09-12 . 11gnd		SPA.-	-	S106	12AXD-38	6	106-3	B		HSJFP	75	121210 P013	013	1S 1S
-															
106	SPIRE PLW Ch09-12 . 12+		SPA.-	-	S106	12AXD-38	6	106-4	C		HSJFP	75	121210 P013	025	1S 1S
107	SPIRE PLW Ch09-12 . 12-		SPA.-	-	S106	12AXD-38	6	106-4	C		HSJFP	75	121210 P013	012	1S 1S
036	SPIRE PLW Ch09-12 . 12gnd		SPA.-	-	S106	12AXD-38	6	106-4	C		HSJFP	75	121210 P013	013	1S 1S
-															1S
036	SPIRE PLW Ch09-12 . SHD06		SPA.-	-	S106	12AXD-38	6			CIS-S106	HSJFP	75	121210 P013	013	1S 1S
FCR	SPIRE PLW Ch09-12 . COS06		SPA.-	-	S106	12AXD-38	6			COS-S106 con to FCR	HSJFP	75	121210 P013	CH	1S 1S
-															
086	SPIRE PLW Ch13-16 . 13+		SPA.-	-	S109	12AXD-38	9	109-1	D		HSJFP	75	121210 P014	001	1S 1S
087	SPIRE PLW Ch13-16 . 13-		SPA.-	-	S109	12AXD-38	9	109-1	D		HSJFP	75	121210 P014	014	1S 1S
128	SPIRE PLW Ch13-16 . 13gnd		SPA.-	-	S109	12AXD-38	9	109-1	D		HSJFP	75	121210 P014	013	1S 1S
-															
097	SPIRE PLW Ch13-16 . 14+		SPA.-	-	S109	12AXD-38	9	109-2	E		HSJFP	75	121210 P014	002	1S 1S
098	SPIRE PLW Ch13-16 . 14-		SPA.-	-	S109	12AXD-38	9	109-2	E		HSJFP	75	121210 P014	015	1S 1S
128	SPIRE PLW Ch13-16 . 14gnd		SPA.-	-	S109	12AXD-38	9	109-2	E		HSJFP	75	121210 P014	013	1S 1S
-															
108	SPIRE PLW Ch13-16 . 15+		SPA.-	-	S109	12AXD-38	9	109-3	F		HSJFP	75	121210 P014	003	1S 1S
109	SPIRE PLW Ch13-16 . 15-		SPA.-	-	S109	12AXD-38	9	109-3	F		HSJFP	75	121210 P014	016	1S 1S
128	SPIRE PLW Ch13-16 . 15gnd		SPA.-	-	S109	12AXD-38	9	109-3	F		HSJFP	75	121210 P014	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
116	SPIRE PLW Ch13-16 . 16+		SPA.-	-	S109	12AXD-38	9	109-4	G		HSJFP	75	121210 P014	004	1S 1S
117	SPIRE PLW Ch13-16 . 16-		SPA.-	-	S109	12AXD-38	9	109-4	G		HSJFP	75	121210 P014	017	1S 1S
128	SPIRE PLW Ch13-16 . 16gnd		SPA.-	-	S109	12AXD-38	9	109-4	G		HSJFP	75	121210 P014	013	1S 1S
-															1S
128	SPIRE PLW Ch13-16 . SHD09		SPA.-	-	S109	12AXD-38	9			CIS-S109	HSJFP	75	121210 P014	013	1S 1S
FCR	SPIRE PLW Ch13-16 . COS09		SPA.-	-	S109	12AXD-38	9			COS-S109 con to FCR	HSJFP	75	121210 P014	CH	1S 1S
-															
055	SPIRE PLW Ch17-20 . 17+		SPA.-	-	S110	12AXD-38	10	110-1	H		HSJFP	75	121210 P014	005	1S 1S
066	SPIRE PLW Ch17-20 . 17-		SPA.-	-	S110	12AXD-38	10	110-1	H		HSJFP	75	121210 P014	018	1S 1S
128	SPIRE PLW Ch17-20 . 17gnd		SPA.-	-	S110	12AXD-38	10	110-1	H		HSJFP	75	121210 P014	013	1S 1S
-															
067	SPIRE PLW Ch17-20 . 18+		SPA.-	-	S110	12AXD-38	10	110-2	J		HSJFP	75	121210 P014	006	1S 1S
078	SPIRE PLW Ch17-20 . 18-		SPA.-	-	S110	12AXD-38	10	110-2	J		HSJFP	75	121210 P014	019	1S 1S
128	SPIRE PLW Ch17-20 . 18gnd		SPA.-	-	S110	12AXD-38	10	110-2	J		HSJFP	75	121210 P014	013	1S 1S
-															
076	SPIRE PLW Ch17-20 . 19+		SPA.-	-	S110	12AXD-38	10	110-3	K		HSJFP	75	121210 P014	020	1S 1S
077	SPIRE PLW Ch17-20 . 19-		SPA.-	-	S110	12AXD-38	10	110-3	K		HSJFP	75	121210 P014	007	1S 1S
128	SPIRE PLW Ch17-20 . 19gnd		SPA.-	-	S110	12AXD-38	10	110-3	K		HSJFP	75	121210 P014	013	1S 1S
-															
088	SPIRE PLW Ch17-20 . 20+		SPA.-	-	S110	12AXD-38	10	110-4	L		HSJFP	75	121210 P014	021	1S 1S
089	SPIRE PLW Ch17-20 . 20-		SPA.-	-	S110	12AXD-38	10	110-4	L		HSJFP	75	121210 P014	008	1S 1S
128	SPIRE PLW Ch17-20 . 20gnd		SPA.-	-	S110	12AXD-38	10	110-4	L		HSJFP	75	121210 P014	013	1S 1S
-															1S
128	SPIRE PLW Ch17-20 . SHD10		SPA.-	-	S110	12AXD-38	10			CIS-S110	HSJFP	75	121210 P014	013	1S 1S
FCR	SPIRE PLW Ch17-20 . COS10		SPA.-	-	S110	12AXD-38	10			COS-S110 con to FCR	HSJFP	75	121210 P014	CH	1S 1S
-															
099	SPIRE PLW Ch21-24 . 21+		SPA.-	-	S111	12AXD-38	11	111-1	M		HSJFP	75	121210 P014	022	1S 1S
100	SPIRE PLW Ch21-24 . 21-		SPA.-	-	S111	12AXD-38	11	111-1	M		HSJFP	75	121210 P014	009	1S 1S
128	SPIRE PLW Ch21-24 . 21gnd		SPA.-	-	S111	12AXD-38	11	111-1	M		HSJFP	75	121210 P014	013	1S 1S
-															
110	SPIRE PLW Ch21-24 . 22+		SPA.-	-	S111	12AXD-38	11	111-2	N		HSJFP	75	121210 P014	023	1S 1S
111	SPIRE PLW Ch21-24 . 22-		SPA.-	-	S111	12AXD-38	11	111-2	N		HSJFP	75	121210 P014	010	1S 1S
128	SPIRE PLW Ch21-24 . 22gnd		SPA.-	-	S111	12AXD-38	11	111-2	N		HSJFP	75	121210 P014	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
118	SPIRE PLW Ch21-24 . 23+		SPA.-	-	S111	12AXD-38	11	111-3	P		HSJFP	75	121210 P014	024	1S 1S
119	SPIRE PLW Ch21-24 . 23-		SPA.-	-	S111	12AXD-38	11	111-3	P		HSJFP	75	121210 P014	011	1S 1S
128	SPIRE PLW Ch21-24 . 23gnd		SPA.-	-	S111	12AXD-38	11	111-3	P		HSJFP	75	121210 P014	013	1S 1S
-															
112	SPIRE PLW Ch21-24 . 24+		SPA.-	-	S111	12AXD-38	11	111-4	Q		HSJFP	75	121210 P014	025	1S 1S
120	SPIRE PLW Ch21-24 . 24-		SPA.-	-	S111	12AXD-38	11	111-4	Q		HSJFP	75	121210 P014	012	1S 1S
128	SPIRE PLW Ch21-24 . 24gnd		SPA.-	-	S111	12AXD-38	11	111-4	Q		HSJFP	75	121210 P014	013	1S 1S
-															1S
128	SPIRE PLW Ch21-24 . SHD11		SPA.-	-	S111	12AXD-38	11			CIS-S111	HSJFP	75	121210 P014	013	1S 1S
FCR	SPIRE PLW Ch21-24 . COS11		SPA.-	-	S111	12AXD-38	11			COS-S111 con to FCR	HSJFP	75	121210 P014	CH	1S 1S
-															
090	SPIRE PLW Ch25-28 . 25+		SPA.-	-	S113	12AXD-38	13	113-1	R		HSJFP	75	121210 P015	001	1S 1S
079	SPIRE PLW Ch25-28 . 25-		SPA.-	-	S113	12AXD-38	13	113-1	R		HSJFP	75	121210 P015	014	1S 1S
047	SPIRE PLW Ch25-28 . 25gnd		SPA.-	-	S113	12AXD-38	13	113-1	R		HSJFP	75	121210 P015	013	1S 1S
-															
102	SPIRE PLW Ch25-28 . 26+		SPA.-	-	S113	12AXD-38	13	113-2	S		HSJFP	75	121210 P015	002	1S 1S
101	SPIRE PLW Ch25-28 . 26-		SPA.-	-	S113	12AXD-38	13	113-2	S		HSJFP	75	121210 P015	015	1S 1S
047	SPIRE PLW Ch25-28 . 26gnd		SPA.-	-	S113	12AXD-38	13	113-2	S		HSJFP	75	121210 P015	013	1S 1S
-															
092	SPIRE PLW Ch25-28 . 27+		SPA.-	-	S113	12AXD-38	13	113-3	T		HSJFP	75	121210 P015	003	1S 1S
091	SPIRE PLW Ch25-28 . 27-		SPA.-	-	S113	12AXD-38	13	113-3	T		HSJFP	75	121210 P015	016	1S 1S
047	SPIRE PLW Ch25-28 . 27gnd		SPA.-	-	S113	12AXD-38	13	113-3	T		HSJFP	75	121210 P015	013	1S 1S
-															
103	SPIRE PLW Ch25-28 . 28+		SPA.-	-	S113	12AXD-38	13	113-4	U		HSJFP	75	121210 P015	004	1S 1S
113	SPIRE PLW Ch25-28 . 28-		SPA.-	-	S113	12AXD-38	13	113-4	U		HSJFP	75	121210 P015	017	1S 1S
047	SPIRE PLW Ch25-28 . 28gnd		SPA.-	-	S113	12AXD-38	13	113-4	U		HSJFP	75	121210 P015	013	1S 1S
-															1S
047	SPIRE PLW Ch25-28 . SHD13		SPA.-	-	S113	12AXD-38	13			CIS-S113	HSJFP	75	121210 P015	013	1S 1S
FCR	SPIRE PLW Ch25-28 . COS13		SPA.-	-	S113	12AXD-38	13			COS-S113 con to FCR	HSJFP	75	121210 P015	CH	1S 1S
-															
058	SPIRE PLW Ch29-32 . 29+		SPA.-	-	S114	12AXD-38	14	114-1	V		HSJFP	75	121210 P015	005	1S 1S
046	SPIRE PLW Ch29-32 . 29-		SPA.-	-	S114	12AXD-38	14	114-1	V		HSJFP	75	121210 P015	018	1S 1S
047	SPIRE PLW Ch29-32 . 29gnd		SPA.-	-	S114	12AXD-38	14	114-1	V		HSJFP	75	121210 P015	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
068	SPIRE PLW Ch29-32 . 30+		SPA.-	-	S114	12AXD-38	14	114-2	W		HSJFP	75	121210 P015	006	1S 1S
057	SPIRE PLW Ch29-32 . 30-		SPA.-	-	S114	12AXD-38	14	114-2	W		HSJFP	75	121210 P015	019	1S 1S
047	SPIRE PLW Ch29-32 . 30gnd		SPA.-	-	S114	12AXD-38	14	114-2	W		HSJFP	75	121210 P015	013	1S 1S
-															
069	SPIRE PLW Ch29-32 . 31+		SPA.-	-	S114	12AXD-38	14	114-3	X		HSJFP	75	121210 P015	020	1S 1S
080	SPIRE PLW Ch29-32 . 31-		SPA.-	-	S114	12AXD-38	14	114-3	X		HSJFP	75	121210 P015	007	1S 1S
047	SPIRE PLW Ch29-32 . 31gnd		SPA.-	-	S114	12AXD-38	14	114-3	X		HSJFP	75	121210 P015	013	1S 1S
-															
070	SPIRE PLW Ch29-32 . 32+		SPA.-	-	S114	12AXD-38	14	114-4	Y		HSJFP	75	121210 P015	021	1S 1S
081	SPIRE PLW Ch29-32 . 32-		SPA.-	-	S114	12AXD-38	14	114-4	Y		HSJFP	75	121210 P015	008	1S 1S
047	SPIRE PLW Ch29-32 . 32gnd		SPA.-	-	S114	12AXD-38	14	114-4	Y		HSJFP	75	121210 P015	013	1S 1S
-															1S
047	SPIRE PLW Ch29-32 . SHD14		SPA.-	-	S114	12AXD-38	14			CIS-S114	HSJFP	75	121210 P015	013	1S 1S
FCR	SPIRE PLW Ch29-32 . COS14		SPA.-	-	S114	12AXD-38	14			COS-S114 con to FCR	HSJFP	75	121210 P015	CH	1S 1S
-															
023	SPIRE PLW Ch33-36 . 33+		SPA.-	-	S115	12AXD-38	15	115-1	Z		HSJFP	75	121210 P015	022	1S 1S
034	SPIRE PLW Ch33-36 . 33-		SPA.-	-	S115	12AXD-38	15	115-1	Z		HSJFP	75	121210 P015	009	1S 1S
047	SPIRE PLW Ch33-36 . 33gnd		SPA.-	-	S115	12AXD-38	15	115-1	Z		HSJFP	75	121210 P015	013	1S 1S
-															
033	SPIRE PLW Ch33-36 . 34+		SPA.-	-	S115	12AXD-38	15	115-2	a		HSJFP	75	121210 P015	023	1S 1S
045	SPIRE PLW Ch33-36 . 34-		SPA.-	-	S115	12AXD-38	15	115-2	a		HSJFP	75	121210 P015	010	1S 1S
047	SPIRE PLW Ch33-36 . 34gnd		SPA.-	-	S115	12AXD-38	15	115-2	a		HSJFP	75	121210 P015	013	1S 1S
-															
044	SPIRE PLW Ch33-36 . 35+		SPA.-	-	S115	12AXD-38	15	115-3	b		HSJFP	75	121210 P015	024	1S 1S
056	SPIRE PLW Ch33-36 . 35-		SPA.-	-	S115	12AXD-38	15	115-3	b		HSJFP	75	121210 P015	011	1S 1S
047	SPIRE PLW Ch33-36 . 35gnd		SPA.-	-	S115	12AXD-38	15	115-3	b		HSJFP	75	121210 P015	013	1S 1S
-															
022	SPIRE PLW Ch33-36 . 36+		SPA.-	-	S115	12AXD-38	15	115-4	c		HSJFP	75	121210 P015	025	1S 1S
032	SPIRE PLW Ch33-36 . 36-		SPA.-	-	S115	12AXD-38	15	115-4	c		HSJFP	75	121210 P015	012	1S 1S
047	SPIRE PLW Ch33-36 . 36gnd		SPA.-	-	S115	12AXD-38	15	115-4	c		HSJFP	75	121210 P015	013	1S 1S
-															1S
047	SPIRE PLW Ch33-36 . SHD15		SPA.-	-	S115	12AXD-38	15			CIS-S115	HSJFP	75	121210 P015	013	1S 1S
FCR	SPIRE PLW Ch33-36 . COS15		SPA.-	-	S115	12AXD-38	15			COS-S115 con to FCR	HSJFP	75	121210 P015	CH	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
013	SPIRE PLW Ch37-40 . 37+		SPA.-	-	S118	12AXD-38	18	118-1	d		HSJFP	75	121210 P016	001	1S 1S
012	SPIRE PLW Ch37-40 . 37-		SPA.-	-	S118	12AXD-38	18	118-1	d		HSJFP	75	121210 P016	014	1S 1S
004	SPIRE PLW Ch37-40 . 37gnd		SPA.-	-	S118	12AXD-38	18	118-1	d		HSJFP	75	121210 P016	013	1S 1S
-															
021	SPIRE PLW Ch37-40 . 38+		SPA.-	-	S118	12AXD-38	18	118-2	e		HSJFP	75	121210 P016	002	1S 1S
020	SPIRE PLW Ch37-40 . 38-		SPA.-	-	S118	12AXD-38	18	118-2	e		HSJFP	75	121210 P016	015	1S 1S
004	SPIRE PLW Ch37-40 . 38gnd		SPA.-	-	S118	12AXD-38	18	118-2	e		HSJFP	75	121210 P016	013	1S 1S
-															
031	SPIRE PLW Ch37-40 . 39+		SPA.-	-	S118	12AXD-38	18	118-3	f		HSJFP	75	121210 P016	003	1S 1S
043	SPIRE PLW Ch37-40 . 39-		SPA.-	-	S118	12AXD-38	18	118-3	f		HSJFP	75	121210 P016	016	1S 1S
004	SPIRE PLW Ch37-40 . 39gnd		SPA.-	-	S118	12AXD-38	18	118-3	f		HSJFP	75	121210 P016	013	1S 1S
-															
042	SPIRE PLW Ch37-40 . 40+		SPA.-	-	S118	12AXD-38	18	118-4	g		HSJFP	75	121210 P016	004	1S 1S
054	SPIRE PLW Ch37-40 . 40-		SPA.-	-	S118	12AXD-38	18	118-4	g		HSJFP	75	121210 P016	017	1S 1S
004	SPIRE PLW Ch37-40 . 40gnd		SPA.-	-	S118	12AXD-38	18	118-4	g		HSJFP	75	121210 P016	013	1S 1S
-															1S
004	SPIRE PLW Ch37-40 . SHD18		SPA.-	-	S118	12AXD-38	18			CIS-S118	HSJFP	75	121210 P016	013	1S 1S
FCR	SPIRE PLW Ch37-40 . COS18		SPA.-	-	S118	12AXD-38	18			COS-S118 con to FCR	HSJFP	75	121210 P016	CH	1S 1S
-															
010	SPIRE PLW Ch41-44 . 41+		SPA.-	-	S119	12AXD-38	19	119-1	h		HSJFP	75	121210 P016	005	1S 1S
011	SPIRE PLW Ch41-44 . 41-		SPA.-	-	S119	12AXD-38	19	119-1	h		HSJFP	75	121210 P016	018	1S 1S
004	SPIRE PLW Ch41-44 . 41gnd		SPA.-	-	S119	12AXD-38	19	119-1	h		HSJFP	75	121210 P016	013	1S 1S
-															
019	SPIRE PLW Ch41-44 . 42+		SPA.-	-	S119	12AXD-38	19	119-2	k		HSJFP	75	121210 P016	006	1S 1S
029	SPIRE PLW Ch41-44 . 42-		SPA.-	-	S119	12AXD-38	19	119-2	k		HSJFP	75	121210 P016	019	1S 1S
004	SPIRE PLW Ch41-44 . 42gnd		SPA.-	-	S119	12AXD-38	19	119-2	k		HSJFP	75	121210 P016	013	1S 1S
-															
041	SPIRE PLW Ch41-44 . 43+		SPA.-	-	S119	12AXD-38	19	119-3	m		HSJFP	75	121210 P016	020	1S 1S
030	SPIRE PLW Ch41-44 . 43-		SPA.-	-	S119	12AXD-38	19	119-3	m		HSJFP	75	121210 P016	007	1S 1S
004	SPIRE PLW Ch41-44 . 43gnd		SPA.-	-	S119	12AXD-38	19	119-3	m		HSJFP	75	121210 P016	013	1S 1S
-															
053	SPIRE PLW Ch41-44 . 44+		SPA.-	-	S119	12AXD-38	19	119-4	n		HSJFP	75	121210 P016	021	1S 1S
052	SPIRE PLW Ch41-44 . 44-		SPA.-	-	S119	12AXD-38	19	119-4	n		HSJFP	75	121210 P016	008	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PLW Ch41-44 . 44gnd		SPA.-	-	S119	12AXD-38	19	119-4	n		HSJFP	75	121210 P016	013	1S	1S
-																1S
004	SPIRE PLW Ch41-44 . SHD19		SPA.-	-	S119	12AXD-38	19			CIS-S119	HSJFP	75	121210 P016	013	1S	1S
FCR	SPIRE PLW Ch41-44 . COS19		SPA.-	-	S119	12AXD-38	19			COS-S119 con to FCR	HSJFP	75	121210 P016	CH	1S	1S
-																
009	SPIRE PLW Ch45-48 . 45+		SPA.-	-	S120	12AXD-38	20	120-1	p		HSJFP	75	121210 P016	022	1S	1S
017	SPIRE PLW Ch45-48 . 45-		SPA.-	-	S120	12AXD-38	20	120-1	p		HSJFP	75	121210 P016	009	1S	1S
004	SPIRE PLW Ch45-48 . 45gnd		SPA.-	-	S120	12AXD-38	20	120-1	p		HSJFP	75	121210 P016	013	1S	1S
-																
018	SPIRE PLW Ch45-48 . 46+		SPA.-	-	S120	12AXD-38	20	120-2	r		HSJFP	75	121210 P016	023	1S	1S
028	SPIRE PLW Ch45-48 . 46-		SPA.-	-	S120	12AXD-38	20	120-2	r		HSJFP	75	121210 P016	010	1S	1S
004	SPIRE PLW Ch45-48 . 46gnd		SPA.-	-	S120	12AXD-38	20	120-2	r		HSJFP	75	121210 P016	013	1S	1S
-																
016	SPIRE PLW Ch45-48 . 47+		SPA.-	-	S120	12AXD-38	20	120-3	s		HSJFP	75	121210 P016	024	1S	1S
027	SPIRE PLW Ch45-48 . 47-		SPA.-	-	S120	12AXD-38	20	120-3	s		HSJFP	75	121210 P016	011	1S	1S
004	SPIRE PLW Ch45-48 . 47gnd		SPA.-	-	S120	12AXD-38	20	120-3	s		HSJFP	75	121210 P016	013	1S	1S
-																
040	SPIRE PLW Ch45-48 . 48+		SPA.-	-	S120	12AXD-38	20	120-4	t		HSJFP	75	121210 P016	025	1S	1S
039	SPIRE PLW Ch45-48 . 48-		SPA.-	-	S120	12AXD-38	20	120-4	t		HSJFP	75	121210 P016	012	1S	1S
004	SPIRE PLW Ch45-48 . 48gnd		SPA.-	-	S120	12AXD-38	20	120-4	t		HSJFP	75	121210 P016	013	1S	1S
-																1S
004	SPIRE PLW Ch45-48 . SHD20		SPA.-	-	S120	12AXD-38	20			CIS-S120	HSJFP	75	121210 P016	013	1S	1S
FCR	SPIRE PLW Ch45-48 . COS20		SPA.-	-	S120	12AXD-38	20			COS-S120 con to FCR	HSJFP	75	121210 P016	CH	1S	1S
-																1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
-	CH to be isolated from FCR														1S
-	harness branch to be isolated from s/c structure														1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List (Harness)

Connector: 121210 P012
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (6) Ch37-40 . 37+	SPC.-	-		S172	12AXD-38	72	172-1	1		CVVUCR	33	211121 J025	013	1S	1S
014	SPIRE PSW (6) Ch37-40 . 37-	SPC.-	-		S172	12AXD-38	72	172-1	1		CVVUCR	33	211121 J025	012	1S	1S
013	SPIRE PSW (6) Ch37-40 . 37gnd	SPC.-	-		S172	12AXD-38	72	172-1	1		CVVUCR	33	211121 J025	004	1S	1S
-																
002	SPIRE PSW (6) Ch37-40 . 38+	SPC.-	-		S172	12AXD-38	72	172-2	2		CVVUCR	33	211121 J025	021	1S	1S
015	SPIRE PSW (6) Ch37-40 . 38-	SPC.-	-		S172	12AXD-38	72	172-2	2		CVVUCR	33	211121 J025	020	1S	1S
013	SPIRE PSW (6) Ch37-40 . 38gnd	SPC.-	-		S172	12AXD-38	72	172-2	2		CVVUCR	33	211121 J025	004	1S	1S
-																
003	SPIRE PSW (6) Ch37-40 . 39+	SPC.-	-		S172	12AXD-38	72	172-3	3		CVVUCR	33	211121 J025	031	1S	1S
016	SPIRE PSW (6) Ch37-40 . 39-	SPC.-	-		S172	12AXD-38	72	172-3	3		CVVUCR	33	211121 J025	043	1S	1S
013	SPIRE PSW (6) Ch37-40 . 39gnd	SPC.-	-		S172	12AXD-38	72	172-3	3		CVVUCR	33	211121 J025	004	1S	1S
-																
004	SPIRE PSW (6) Ch37-40 . 40+	SPC.-	-		S172	12AXD-38	72	172-4	4		CVVUCR	33	211121 J025	042	1S	1S
017	SPIRE PSW (6) Ch37-40 . 40-	SPC.-	-		S172	12AXD-38	72	172-4	4		CVVUCR	33	211121 J025	054	1S	1S
013	SPIRE PSW (6) Ch37-40 . 40gnd	SPC.-	-		S172	12AXD-38	72	172-4	4		CVVUCR	33	211121 J025	004	1S	1S
-																1S
013	SPIRE PSW (6) Ch37-40 . SHD72	SPC.-	-		S172	12AXD-38	72			CIS-S172	CVVUCR	33	211121 J025	004	1S	1S
CH	SPIRE PSW (6) Ch37-40 . COS72	SPC.-	-		S172	12AXD-38	72			COS-S172 con to CH	CVVUCR	33	211121 J025	FCR	1S	1S
-																
005	SPIRE PSW (6) Ch41-44 . 41+	SPC.-	-		S173	12AXD-38	73	173-1	5		CVVUCR	33	211121 J025	010	1S	1S
018	SPIRE PSW (6) Ch41-44 . 41-	SPC.-	-		S173	12AXD-38	73	173-1	5		CVVUCR	33	211121 J025	011	1S	1S
013	SPIRE PSW (6) Ch41-44 . 41gnd	SPC.-	-		S173	12AXD-38	73	173-1	5		CVVUCR	33	211121 J025	004	1S	1S
-																
006	SPIRE PSW (6) Ch41-44 . 42+	SPC.-	-		S173	12AXD-38	73	173-2	6		CVVUCR	33	211121 J025	019	1S	1S
019	SPIRE PSW (6) Ch41-44 . 42-	SPC.-	-		S173	12AXD-38	73	173-2	6		CVVUCR	33	211121 J025	029	1S	1S
013	SPIRE PSW (6) Ch41-44 . 42gnd	SPC.-	-		S173	12AXD-38	73	173-2	6		CVVUCR	33	211121 J025	004	1S	1S
-																
020	SPIRE PSW (6) Ch41-44 . 43+	SPC.-	-		S173	12AXD-38	73	173-3	7		CVVUCR	33	211121 J025	041	1S	1S
007	SPIRE PSW (6) Ch41-44 . 43-	SPC.-	-		S173	12AXD-38	73	173-3	7		CVVUCR	33	211121 J025	030	1S	1S
013	SPIRE PSW (6) Ch41-44 . 43gnd	SPC.-	-		S173	12AXD-38	73	173-3	7		CVVUCR	33	211121 J025	004	1S	1S
-																
021	SPIRE PSW (6) Ch41-44 . 44+	SPC.-	-		S173	12AXD-38	73	173-4	8		CVVUCR	33	211121 J025	053	1S	1S
008	SPIRE PSW (6) Ch41-44 . 44-	SPC.-	-		S173	12AXD-38	73	173-4	8		CVVUCR	33	211121 J025	052	1S	1S
013	SPIRE PSW (6) Ch41-44 . 44gnd	SPC.-	-		S173	12AXD-38	73	173-4	8		CVVUCR	33	211121 J025	004	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P012**Function / Bundle:** SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (6) Ch41-44 . SHD73		SPC.-	-	S173	12AXD-38	73			CIS-S173	CVVUCR	33	211121 J025	004	1S 1S
CH	SPIRE PSW (6) Ch41-44 . COS73		SPC.-	-	S173	12AXD-38	73			COS-S173 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
022	SPIRE PSW (6) Ch45-48 . 45+		SPC.-	-	S174	12AXD-38	74	174-1	9		CVVUCR	33	211121 J025	009	1S 1S
009	SPIRE PSW (6) Ch45-48 . 45-		SPC.-	-	S174	12AXD-38	74	174-1	9		CVVUCR	33	211121 J025	017	1S 1S
013	SPIRE PSW (6) Ch45-48 . 45gnd		SPC.-	-	S174	12AXD-38	74	174-1	9		CVVUCR	33	211121 J025	004	1S 1S
-															
023	SPIRE PSW (6) Ch45-48 . 46+		SPC.-	-	S174	12AXD-38	74	174-2	A		CVVUCR	33	211121 J025	018	1S 1S
010	SPIRE PSW (6) Ch45-48 . 46-		SPC.-	-	S174	12AXD-38	74	174-2	A		CVVUCR	33	211121 J025	028	1S 1S
013	SPIRE PSW (6) Ch45-48 . 46gnd		SPC.-	-	S174	12AXD-38	74	174-2	A		CVVUCR	33	211121 J025	004	1S 1S
-															
024	SPIRE PSW (6) Ch45-48 . 47+		SPC.-	-	S174	12AXD-38	74	174-3	B		CVVUCR	33	211121 J025	016	1S 1S
011	SPIRE PSW (6) Ch45-48 . 47-		SPC.-	-	S174	12AXD-38	74	174-3	B		CVVUCR	33	211121 J025	027	1S 1S
013	SPIRE PSW (6) Ch45-48 . 47gnd		SPC.-	-	S174	12AXD-38	74	174-3	B		CVVUCR	33	211121 J025	004	1S 1S
-															
025	SPIRE PSW (6) Ch45-48 . 48+		SPC.-	-	S174	12AXD-38	74	174-4	C		CVVUCR	33	211121 J025	040	1S 1S
012	SPIRE PSW (6) Ch45-48 . 48-		SPC.-	-	S174	12AXD-38	74	174-4	C		CVVUCR	33	211121 J025	039	1S 1S
013	SPIRE PSW (6) Ch45-48 . 48gnd		SPC.-	-	S174	12AXD-38	74	174-4	C		CVVUCR	33	211121 J025	004	1S 1S
-															1S
013	SPIRE PSW (6) Ch45-48 . SHD74		SPC.-	-	S174	12AXD-38	74			CIS-S174	CVVUCR	33	211121 J025	004	1S 1S
CH	SPIRE PSW (6) Ch45-48 . COS74		SPC.-	-	S174	12AXD-38	74			COS-S174 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P011
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (6) Ch25-28 . 25+	SPC.-	-	-	S167	12AXD-38	67	167-1	1		CVVUCR	33	211121 J025	090	1S	1S
014	SPIRE PSW (6) Ch25-28 . 25-	SPC.-	-	-	S167	12AXD-38	67	167-1	1		CVVUCR	33	211121 J025	079	1S	1S
013	SPIRE PSW (6) Ch25-28 . 25gnd	SPC.-	-	-	S167	12AXD-38	67	167-1	1		CVVUCR	33	211121 J025	047	1S	1S
-																
002	SPIRE PSW (6) Ch25-28 . 26+	SPC.-	-	-	S167	12AXD-38	67	167-2	2		CVVUCR	33	211121 J025	102	1S	1S
015	SPIRE PSW (6) Ch25-28 . 26-	SPC.-	-	-	S167	12AXD-38	67	167-2	2		CVVUCR	33	211121 J025	101	1S	1S
013	SPIRE PSW (6) Ch25-28 . 26gnd	SPC.-	-	-	S167	12AXD-38	67	167-2	2		CVVUCR	33	211121 J025	047	1S	1S
-																
003	SPIRE PSW (6) Ch25-28 . 27+	SPC.-	-	-	S167	12AXD-38	67	167-3	3		CVVUCR	33	211121 J025	092	1S	1S
016	SPIRE PSW (6) Ch25-28 . 27-	SPC.-	-	-	S167	12AXD-38	67	167-3	3		CVVUCR	33	211121 J025	091	1S	1S
013	SPIRE PSW (6) Ch25-28 . 27gnd	SPC.-	-	-	S167	12AXD-38	67	167-3	3		CVVUCR	33	211121 J025	047	1S	1S
-																
004	SPIRE PSW (6) Ch25-28 . 28+	SPC.-	-	-	S167	12AXD-38	67	167-4	4		CVVUCR	33	211121 J025	103	1S	1S
017	SPIRE PSW (6) Ch25-28 . 28-	SPC.-	-	-	S167	12AXD-38	67	167-4	4		CVVUCR	33	211121 J025	113	1S	1S
013	SPIRE PSW (6) Ch25-28 . 28gnd	SPC.-	-	-	S167	12AXD-38	67	167-4	4		CVVUCR	33	211121 J025	047	1S	1S
-																1S
013	SPIRE PSW (6) Ch25-28 . SHD67	SPC.-	-	-	S167	12AXD-38	67			CIS-S167	CVVUCR	33	211121 J025	047	1S	1S
CH	SPIRE PSW (6) Ch25-28 . COS67	SPC.-	-	-	S167	12AXD-38	67			COS-S167 con to CH	CVVUCR	33	211121 J025	FCR	1S	1S
-																
005	SPIRE PSW (6) Ch29-32 . 29+	SPC.-	-	-	S168	12AXD-38	68	168-1	5		CVVUCR	33	211121 J025	058	1S	1S
018	SPIRE PSW (6) Ch29-32 . 29-	SPC.-	-	-	S168	12AXD-38	68	168-1	5		CVVUCR	33	211121 J025	046	1S	1S
013	SPIRE PSW (6) Ch29-32 . 29gnd	SPC.-	-	-	S168	12AXD-38	68	168-1	5		CVVUCR	33	211121 J025	047	1S	1S
-																
006	SPIRE PSW (6) Ch29-32 . 30+	SPC.-	-	-	S168	12AXD-38	68	168-2	6		CVVUCR	33	211121 J025	068	1S	1S
019	SPIRE PSW (6) Ch29-32 . 30-	SPC.-	-	-	S168	12AXD-38	68	168-2	6		CVVUCR	33	211121 J025	057	1S	1S
013	SPIRE PSW (6) Ch29-32 . 30gnd	SPC.-	-	-	S168	12AXD-38	68	168-2	6		CVVUCR	33	211121 J025	047	1S	1S
-																
020	SPIRE PSW (6) Ch29-32 . 31+	SPC.-	-	-	S168	12AXD-38	68	168-3	7		CVVUCR	33	211121 J025	069	1S	1S
007	SPIRE PSW (6) Ch29-32 . 31-	SPC.-	-	-	S168	12AXD-38	68	168-3	7		CVVUCR	33	211121 J025	080	1S	1S
013	SPIRE PSW (6) Ch29-32 . 31gnd	SPC.-	-	-	S168	12AXD-38	68	168-3	7		CVVUCR	33	211121 J025	047	1S	1S
-																
021	SPIRE PSW (6) Ch29-32 . 32+	SPC.-	-	-	S168	12AXD-38	68	168-4	8		CVVUCR	33	211121 J025	070	1S	1S
008	SPIRE PSW (6) Ch29-32 . 32-	SPC.-	-	-	S168	12AXD-38	68	168-4	8		CVVUCR	33	211121 J025	081	1S	1S
013	SPIRE PSW (6) Ch29-32 . 32gnd	SPC.-	-	-	S168	12AXD-38	68	168-4	8		CVVUCR	33	211121 J025	047	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P011
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (6) Ch29-32 . SHD68		SPC.-	-	S168	12AXD-38	68			CIS-S168	CVVUCR	33	211121 J025	047	1S 1S
CH	SPIRE PSW (6) Ch29-32 . COS68		SPC.-	-	S168	12AXD-38	68			COS-S168 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
022	SPIRE PSW (6) Ch33-36 . 33+		SPC.-	-	S169	12AXD-38	69	169-1	9		CVVUCR	33	211121 J025	023	1S 1S
009	SPIRE PSW (6) Ch33-36 . 33-		SPC.-	-	S169	12AXD-38	69	169-1	9		CVVUCR	33	211121 J025	034	1S 1S
013	SPIRE PSW (6) Ch33-36 . 33gnd		SPC.-	-	S169	12AXD-38	69	169-1	9		CVVUCR	33	211121 J025	047	1S 1S
-															
023	SPIRE PSW (6) Ch33-36 . 34+		SPC.-	-	S169	12AXD-38	69	169-2	A		CVVUCR	33	211121 J025	033	1S 1S
010	SPIRE PSW (6) Ch33-36 . 34-		SPC.-	-	S169	12AXD-38	69	169-2	A		CVVUCR	33	211121 J025	045	1S 1S
013	SPIRE PSW (6) Ch33-36 . 34gnd		SPC.-	-	S169	12AXD-38	69	169-2	A		CVVUCR	33	211121 J025	047	1S 1S
-															
024	SPIRE PSW (6) Ch33-36 . 35+		SPC.-	-	S169	12AXD-38	69	169-3	B		CVVUCR	33	211121 J025	044	1S 1S
011	SPIRE PSW (6) Ch33-36 . 35-		SPC.-	-	S169	12AXD-38	69	169-3	B		CVVUCR	33	211121 J025	056	1S 1S
013	SPIRE PSW (6) Ch33-36 . 35gnd		SPC.-	-	S169	12AXD-38	69	169-3	B		CVVUCR	33	211121 J025	047	1S 1S
-															
025	SPIRE PSW (6) Ch33-36 . 36+		SPC.-	-	S169	12AXD-38	69	169-4	C		CVVUCR	33	211121 J025	022	1S 1S
012	SPIRE PSW (6) Ch33-36 . 36-		SPC.-	-	S169	12AXD-38	69	169-4	C		CVVUCR	33	211121 J025	032	1S 1S
013	SPIRE PSW (6) Ch33-36 . 36gnd		SPC.-	-	S169	12AXD-38	69	169-4	C		CVVUCR	33	211121 J025	047	1S 1S
-															1S
013	SPIRE PSW (6) Ch33-36 . SHD69		SPC.-	-	S169	12AXD-38	69			CIS-S169	CVVUCR	33	211121 J025	047	1S 1S
CH	SPIRE PSW (6) Ch33-36 . COS69		SPC.-	-	S169	12AXD-38	69			COS-S169 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 121210 P010**Function / Bundle:** SPIRE Bol. Sig. from HSJFP5 / SIH-XS-07**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (5) Ch13-16 . 13+		SPC.-	-	S163	12AXD-38	63	163-1	1		CVVUCR	33	211121 J025	086	1S	1S
014	SPIRE PSW (5) Ch13-16 . 13-		SPC.-	-	S163	12AXD-38	63	163-1	1		CVVUCR	33	211121 J025	087	1S	1S
013	SPIRE PSW (5) Ch13-16 . 13gnd		SPC.-	-	S163	12AXD-38	63	163-1	1		CVVUCR	33	211121 J025	128	1S	1S
-																
002	SPIRE PSW (5) Ch13-16 . 14+		SPC.-	-	S163	12AXD-38	63	163-2	2		CVVUCR	33	211121 J025	097	1S	1S
015	SPIRE PSW (5) Ch13-16 . 14-		SPC.-	-	S163	12AXD-38	63	163-2	2		CVVUCR	33	211121 J025	098	1S	1S
013	SPIRE PSW (5) Ch13-16 . 14gnd		SPC.-	-	S163	12AXD-38	63	163-2	2		CVVUCR	33	211121 J025	128	1S	1S
-																
003	SPIRE PSW (5) Ch13-16 . 15+		SPC.-	-	S163	12AXD-38	63	163-3	3		CVVUCR	33	211121 J025	108	1S	1S
016	SPIRE PSW (5) Ch13-16 . 15-		SPC.-	-	S163	12AXD-38	63	163-3	3		CVVUCR	33	211121 J025	109	1S	1S
013	SPIRE PSW (5) Ch13-16 . 15gnd		SPC.-	-	S163	12AXD-38	63	163-3	3		CVVUCR	33	211121 J025	128	1S	1S
-																
004	SPIRE PSW (5) Ch13-16 . 16+		SPC.-	-	S163	12AXD-38	63	163-4	4		CVVUCR	33	211121 J025	116	1S	1S
017	SPIRE PSW (5) Ch13-16 . 16-		SPC.-	-	S163	12AXD-38	63	163-4	4		CVVUCR	33	211121 J025	117	1S	1S
013	SPIRE PSW (5) Ch13-16 . 16gnd		SPC.-	-	S163	12AXD-38	63	163-4	4		CVVUCR	33	211121 J025	128	1S	1S
-																1S
013	SPIRE PSW (5) Ch13-16 . SHD63		SPC.-	-	S163	12AXD-38	63			CIS-S163	CVVUCR	33	211121 J025	128	1S	1S
CH	SPIRE PSW (5) Ch13-16 . COS63		SPC.-	-	S163	12AXD-38	63			COS-S163 con to CH	CVVUCR	33	211121 J025	FCR	1S	1S
-																
005	SPIRE PSW (5) Ch17-20 . 17+		SPC.-	-	S164	12AXD-38	64	164-1	5		CVVUCR	33	211121 J025	055	1S	1S
018	SPIRE PSW (5) Ch17-20 . 17-		SPC.-	-	S164	12AXD-38	64	164-1	5		CVVUCR	33	211121 J025	066	1S	1S
013	SPIRE PSW (5) Ch17-20 . 17gnd		SPC.-	-	S164	12AXD-38	64	164-1	5		CVVUCR	33	211121 J025	128	1S	1S
-																
006	SPIRE PSW (5) Ch17-20 . 18+		SPC.-	-	S164	12AXD-38	64	164-2	6		CVVUCR	33	211121 J025	067	1S	1S
019	SPIRE PSW (5) Ch17-20 . 18-		SPC.-	-	S164	12AXD-38	64	164-2	6		CVVUCR	33	211121 J025	078	1S	1S
013	SPIRE PSW (5) Ch17-20 . 18gnd		SPC.-	-	S164	12AXD-38	64	164-2	6		CVVUCR	33	211121 J025	128	1S	1S
-																
020	SPIRE PSW (5) Ch17-20 . 19+		SPC.-	-	S164	12AXD-38	64	164-3	7		CVVUCR	33	211121 J025	076	1S	1S
007	SPIRE PSW (5) Ch17-20 . 19-		SPC.-	-	S164	12AXD-38	64	164-3	7		CVVUCR	33	211121 J025	077	1S	1S
013	SPIRE PSW (5) Ch17-20 . 19gnd		SPC.-	-	S164	12AXD-38	64	164-3	7		CVVUCR	33	211121 J025	128	1S	1S
-																
021	SPIRE PSW (5) Ch17-20 . 20+		SPC.-	-	S164	12AXD-38	64	164-4	8		CVVUCR	33	211121 J025	088	1S	1S
008	SPIRE PSW (5) Ch17-20 . 20-		SPC.-	-	S164	12AXD-38	64	164-4	8		CVVUCR	33	211121 J025	089	1S	1S
013	SPIRE PSW (5) Ch17-20 . 20gnd		SPC.-	-	S164	12AXD-38	64	164-4	8		CVVUCR	33	211121 J025	128	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P010**Function / Bundle:** SPIRE Bol. Sig. from HSJFP5 / SIH-XS-07**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (5) Ch17-20 . SHD64		SPC.-	-	S164	12AXD-38	64			CIS-S164	CVVUCR	33	211121 J025	128	1S 1S
CH	SPIRE PSW (5) Ch17-20 . COS64		SPC.-	-	S164	12AXD-38	64			COS-S164 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
022	SPIRE PSW (5) Ch21-24 . 21+		SPC.-	-	S165	12AXD-38	65	165-1	9		CVVUCR	33	211121 J025	099	1S 1S
009	SPIRE PSW (5) Ch21-24 . 21-		SPC.-	-	S165	12AXD-38	65	165-1	9		CVVUCR	33	211121 J025	100	1S 1S
013	SPIRE PSW (5) Ch21-24 . 21gnd		SPC.-	-	S165	12AXD-38	65	165-1	9		CVVUCR	33	211121 J025	128	1S 1S
-															
023	SPIRE PSW (5) Ch21-24 . 22+		SPC.-	-	S165	12AXD-38	65	165-2	A		CVVUCR	33	211121 J025	110	1S 1S
010	SPIRE PSW (5) Ch21-24 . 22-		SPC.-	-	S165	12AXD-38	65	165-2	A		CVVUCR	33	211121 J025	111	1S 1S
013	SPIRE PSW (5) Ch21-24 . 22gnd		SPC.-	-	S165	12AXD-38	65	165-2	A		CVVUCR	33	211121 J025	128	1S 1S
-															
024	SPIRE PSW (5) Ch21-24 . 23+		SPC.-	-	S165	12AXD-38	65	165-3	B		CVVUCR	33	211121 J025	118	1S 1S
011	SPIRE PSW (5) Ch21-24 . 23-		SPC.-	-	S165	12AXD-38	65	165-3	B		CVVUCR	33	211121 J025	119	1S 1S
013	SPIRE PSW (5) Ch21-24 . 23gnd		SPC.-	-	S165	12AXD-38	65	165-3	B		CVVUCR	33	211121 J025	128	1S 1S
-															
025	SPIRE PSW (5) Ch21-24 . 24+		SPC.-	-	S165	12AXD-38	65	165-4	C		CVVUCR	33	211121 J025	112	1S 1S
012	SPIRE PSW (5) Ch21-24 . 24-		SPC.-	-	S165	12AXD-38	65	165-4	C		CVVUCR	33	211121 J025	120	1S 1S
013	SPIRE PSW (5) Ch21-24 . 24gnd		SPC.-	-	S165	12AXD-38	65	165-4	C		CVVUCR	33	211121 J025	128	1S 1S
-															1S
013	SPIRE PSW (5) Ch21-24 . SHD65		SPC.-	-	S165	12AXD-38	65			CIS-S165	CVVUCR	33	211121 J025	128	1S 1S
CH	SPIRE PSW (5) Ch21-24 . COS65		SPC.-	-	S165	12AXD-38	65			COS-S165 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 121210 P009
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HDJFP5 / SIH-XS-07

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (5) Ch01-04 . 1+	SPC.-	-		S158	12AXD-38	58	158-1	1		CVVUCR	33	211121 J025	026	1S	1S
014	SPIRE PSW (5) Ch01-04 . 1-	SPC.-	-		S158	12AXD-38	58	158-1	1		CVVUCR	33	211121 J025	037	1S	1S
013	SPIRE PSW (5) Ch01-04 . 1gnd	SPC.-	-		S158	12AXD-38	58	158-1	1		CVVUCR	33	211121 J025	036	1S	1S
-																
002	SPIRE PSW (5) Ch01-04 . 2+	SPC.-	-		S158	12AXD-38	58	158-2	2		CVVUCR	33	211121 J025	038	1S	1S
015	SPIRE PSW (5) Ch01-04 . 2-	SPC.-	-		S158	12AXD-38	58	158-2	2		CVVUCR	33	211121 J025	049	1S	1S
013	SPIRE PSW (5) Ch01-04 . 2gnd	SPC.-	-		S158	12AXD-38	58	158-2	2		CVVUCR	33	211121 J025	036	1S	1S
-																
003	SPIRE PSW (5) Ch01-04 . 3+	SPC.-	-		S158	12AXD-38	58	158-3	3		CVVUCR	33	211121 J025	048	1S	1S
016	SPIRE PSW (5) Ch01-04 . 3-	SPC.-	-		S158	12AXD-38	58	158-3	3		CVVUCR	33	211121 J025	060	1S	1S
013	SPIRE PSW (5) Ch01-04 . 3gnd	SPC.-	-		S158	12AXD-38	58	158-3	3		CVVUCR	33	211121 J025	036	1S	1S
-																
004	SPIRE PSW (5) Ch01-04 . 4+	SPC.-	-		S158	12AXD-38	58	158-4	4		CVVUCR	33	211121 J025	059	1S	1S
017	SPIRE PSW (5) Ch01-04 . 4-	SPC.-	-		S158	12AXD-38	58	158-4	4		CVVUCR	33	211121 J025	071	1S	1S
013	SPIRE PSW (5) Ch01-04 . 4gnd	SPC.-	-		S158	12AXD-38	58	158-4	4		CVVUCR	33	211121 J025	036	1S	1S
-																1S
013	SPIRE PSW (5) Ch01-04 . SHD58	SPC.-	-		S158	12AXD-38	58			CIS-S158	CVVUCR	33	211121 J025	036	1S	1S
CH	SPIRE PSW (5) Ch01-04 . COS58	SPC.-	-		S158	12AXD-38	58			COS-S158 con to CH	CVVUCR	33	211121 J025	FCR	1S	1S
-																
005	SPIRE PSW (5) Ch05-08 . 5+	SPC.-	-		S159	12AXD-38	59	159-1	5		CVVUCR	33	211121 J025	050	1S	1S
018	SPIRE PSW (5) Ch05-08 . 5-	SPC.-	-		S159	12AXD-38	59	159-1	5		CVVUCR	33	211121 J025	061	1S	1S
013	SPIRE PSW (5) Ch05-08 . 5gnd	SPC.-	-		S159	12AXD-38	59	159-1	5		CVVUCR	33	211121 J025	036	1S	1S
-																
006	SPIRE PSW (5) Ch05-08 . 6+	SPC.-	-		S159	12AXD-38	59	159-2	6		CVVUCR	33	211121 J025	062	1S	1S
019	SPIRE PSW (5) Ch05-08 . 6-	SPC.-	-		S159	12AXD-38	59	159-2	6		CVVUCR	33	211121 J025	051	1S	1S
013	SPIRE PSW (5) Ch05-08 . 6gnd	SPC.-	-		S159	12AXD-38	59	159-2	6		CVVUCR	33	211121 J025	036	1S	1S
-																
020	SPIRE PSW (5) Ch05-08 . 7+	SPC.-	-		S159	12AXD-38	59	159-3	7		CVVUCR	33	211121 J025	063	1S	1S
007	SPIRE PSW (5) Ch05-08 . 7-	SPC.-	-		S159	12AXD-38	59	159-3	7		CVVUCR	33	211121 J025	075	1S	1S
013	SPIRE PSW (5) Ch05-08 . 7gnd	SPC.-	-		S159	12AXD-38	59	159-3	7		CVVUCR	33	211121 J025	036	1S	1S
-																
021	SPIRE PSW (5) Ch05-08 . 8+	SPC.-	-		S159	12AXD-38	59	159-4	8		CVVUCR	33	211121 J025	074	1S	1S
008	SPIRE PSW (5) Ch05-08 . 8-	SPC.-	-		S159	12AXD-38	59	159-4	8		CVVUCR	33	211121 J025	073	1S	1S
013	SPIRE PSW (5) Ch05-08 . 8gnd	SPC.-	-		S159	12AXD-38	59	159-4	8		CVVUCR	33	211121 J025	036	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P009
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HDJFP5 / SIH-XS-07

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (5) Ch05-08 . SHD59		SPC.-	-	S159	12AXD-38	59			CIS-S159	CVVUCR	33	211121 J025	036	1S 1S
CH	SPIRE PSW (5) Ch05-08 . COS59		SPC.-	-	S159	12AXD-38	59			COS-S159 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
022	SPIRE PSW (5) Ch09-12 . 9+		SPC.-	-	S160	12AXD-38	60	160-1	9		CVVUCR	33	211121 J025	083	1S 1S
009	SPIRE PSW (5) Ch09-12 . 9-		SPC.-	-	S160	12AXD-38	60	160-1	9		CVVUCR	33	211121 J025	072	1S 1S
013	SPIRE PSW (5) Ch09-12 . 9gnd		SPC.-	-	S160	12AXD-38	60	160-1	9		CVVUCR	33	211121 J025	036	1S 1S
-															
023	SPIRE PSW (5) Ch09-12 . 10+		SPC.-	-	S160	12AXD-38	60	160-2	A		CVVUCR	33	211121 J025	095	1S 1S
010	SPIRE PSW (5) Ch09-12 . 10-		SPC.-	-	S160	12AXD-38	60	160-2	A		CVVUCR	33	211121 J025	084	1S 1S
013	SPIRE PSW (5) Ch09-12 . 10gnd		SPC.-	-	S160	12AXD-38	60	160-2	A		CVVUCR	33	211121 J025	036	1S 1S
-															
024	SPIRE PSW (5) Ch09-12 . 11+		SPC.-	-	S160	12AXD-38	60	160-3	B		CVVUCR	33	211121 J025	096	1S 1S
011	SPIRE PSW (5) Ch09-12 . 11-		SPC.-	-	S160	12AXD-38	60	160-3	B		CVVUCR	33	211121 J025	085	1S 1S
013	SPIRE PSW (5) Ch09-12 . 11gnd		SPC.-	-	S160	12AXD-38	60	160-3	B		CVVUCR	33	211121 J025	036	1S 1S
-															
025	SPIRE PSW (5) Ch09-12 . 12+		SPC.-	-	S160	12AXD-38	60	160-4	C		CVVUCR	33	211121 J025	106	1S 1S
012	SPIRE PSW (5) Ch09-12 . 12-		SPC.-	-	S160	12AXD-38	60	160-4	C		CVVUCR	33	211121 J025	107	1S 1S
013	SPIRE PSW (5) Ch09-12 . 12gnd		SPC.-	-	S160	12AXD-38	60	160-4	C		CVVUCR	33	211121 J025	036	1S 1S
013	SPIRE PSW (5) Ch09-12 . SHD60		SPC.-	-	S160	12AXD-38	60			CIS-S160	CVVUCR	33	211121 J025	036	1S 1S
CH	SPIRE PSW (5) Ch09-12 . COS60		SPC.-	-	S160	12AXD-38	60			COS-S160 con to CH	CVVUCR	33	211121 J025	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PSW (5) Ch01-04 . 1+	SPC.-	-		S158	12AXD-38	58	158-1	1		HSJFP	75	121210 P009	001	1S	1S
037	SPIRE PSW (5) Ch01-04 . 1-	SPC.-	-		S158	12AXD-38	58	158-1	1		HSJFP	75	121210 P009	014	1S	1S
036	SPIRE PSW (5) Ch01-04 . 1gnd	SPC.-	-		S158	12AXD-38	58	158-1	1		HSJFP	75	121210 P009	013	1S	1S
-																
038	SPIRE PSW (5) Ch01-04 . 2+	SPC.-	-		S158	12AXD-38	58	158-2	2		HSJFP	75	121210 P009	002	1S	1S
049	SPIRE PSW (5) Ch01-04 . 2-	SPC.-	-		S158	12AXD-38	58	158-2	2		HSJFP	75	121210 P009	015	1S	1S
036	SPIRE PSW (5) Ch01-04 . 2gnd	SPC.-	-		S158	12AXD-38	58	158-2	2		HSJFP	75	121210 P009	013	1S	1S
-																
048	SPIRE PSW (5) Ch01-04 . 3+	SPC.-	-		S158	12AXD-38	58	158-3	3		HSJFP	75	121210 P009	003	1S	1S
060	SPIRE PSW (5) Ch01-04 . 3-	SPC.-	-		S158	12AXD-38	58	158-3	3		HSJFP	75	121210 P009	016	1S	1S
036	SPIRE PSW (5) Ch01-04 . 3gnd	SPC.-	-		S158	12AXD-38	58	158-3	3		HSJFP	75	121210 P009	013	1S	1S
-																
059	SPIRE PSW (5) Ch01-04 . 4+	SPC.-	-		S158	12AXD-38	58	158-4	4		HSJFP	75	121210 P009	004	1S	1S
071	SPIRE PSW (5) Ch01-04 . 4-	SPC.-	-		S158	12AXD-38	58	158-4	4		HSJFP	75	121210 P009	017	1S	1S
036	SPIRE PSW (5) Ch01-04 . 4gnd	SPC.-	-		S158	12AXD-38	58	158-4	4		HSJFP	75	121210 P009	013	1S	1S
-																1S
036	SPIRE PSW (5) Ch01-04 . SHD58	SPC.-	-		S158	12AXD-38	58			CIS-S185	HSJFP	75	121210 P009	013	1S	1S
FCR	SPIRE PSW (5) Ch01-04 . COS58	SPC.-	-		S158	12AXD-38	58			COS-S158 con to FCR	HSJFP	75	121210 P009	CH	1S	1S
-																
050	SPIRE PSW (5) Ch05-08 . 5+	SPC.-	-		S159	12AXD-38	59	159-1	5		HSJFP	75	121210 P009	005	1S	1S
061	SPIRE PSW (5) Ch05-08 . 5-	SPC.-	-		S159	12AXD-38	59	159-1	5		HSJFP	75	121210 P009	018	1S	1S
036	SPIRE PSW (5) Ch05-08 . 5gnd	SPC.-	-		S159	12AXD-38	59	159-1	5		HSJFP	75	121210 P009	013	1S	1S
-																
062	SPIRE PSW (5) Ch05-08 . 6+	SPC.-	-		S159	12AXD-38	59	159-2	6		HSJFP	75	121210 P009	006	1S	1S
051	SPIRE PSW (5) Ch05-08 . 6-	SPC.-	-		S159	12AXD-38	59	159-2	6		HSJFP	75	121210 P009	019	1S	1S
036	SPIRE PSW (5) Ch05-08 . 6gnd	SPC.-	-		S159	12AXD-38	59	159-2	6		HSJFP	75	121210 P009	013	1S	1S
-																
063	SPIRE PSW (5) Ch05-08 . 7+	SPC.-	-		S159	12AXD-38	59	159-3	7		HSJFP	75	121210 P009	020	1S	1S
075	SPIRE PSW (5) Ch05-08 . 7-	SPC.-	-		S159	12AXD-38	59	159-3	7		HSJFP	75	121210 P009	007	1S	1S
036	SPIRE PSW (5) Ch05-08 . 7gnd	SPC.-	-		S159	12AXD-38	59	159-3	7		HSJFP	75	121210 P009	013	1S	1S
-																
074	SPIRE PSW (5) Ch05-08 . 8+	SPC.-	-		S159	12AXD-38	59	159-4	8		HSJFP	75	121210 P009	021	1S	1S
073	SPIRE PSW (5) Ch05-08 . 8-	SPC.-	-		S159	12AXD-38	59	159-4	8		HSJFP	75	121210 P009	008	1S	1S
036	SPIRE PSW (5) Ch05-08 . 8gnd	SPC.-	-		S159	12AXD-38	59	159-4	8		HSJFP	75	121210 P009	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PSW (5) Ch05-08 . SHD59		SPC.-	-	S159	12AXD-38	59			CIS-S159	HSJFP	75	121210 P009	013	1S 1S
FCR	SPIRE PSW (5) Ch05-08 . COS59		SPC.-	-	S159	12AXD-38	59			COS-S159	HSJFP	75	121210 P009	CH	1S 1S
-															
083	SPIRE PSW (5) Ch09-12 . 9+		SPC.-	-	S160	12AXD-38	60	160-1	9		HSJFP	75	121210 P009	022	1S 1S
072	SPIRE PSW (5) Ch09-12 . 9-		SPC.-	-	S160	12AXD-38	60	160-1	9		HSJFP	75	121210 P009	009	1S 1S
036	SPIRE PSW (5) Ch09-12 . 9gnd		SPC.-	-	S160	12AXD-38	60	160-1	9		HSJFP	75	121210 P009	013	1S 1S
-															
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.-	-	S160	12AXD-38	60	160-2	A		HSJFP	75	121210 P009	023	1S 1S
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.-	-	S160	12AXD-38	60	160-2	A		HSJFP	75	121210 P009	010	1S 1S
036	SPIRE PSW (5) Ch09-12 . 10gnd		SPC.-	-	S160	12AXD-38	60	160-2	A		HSJFP	75	121210 P009	013	1S 1S
-															
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.-	-	S160	12AXD-38	60	160-3	B		HSJFP	75	121210 P009	024	1S 1S
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.-	-	S160	12AXD-38	60	160-3	B		HSJFP	75	121210 P009	011	1S 1S
036	SPIRE PSW (5) Ch09-12 . 11gnd		SPC.-	-	S160	12AXD-38	60	160-3	B		HSJFP	75	121210 P009	013	1S 1S
-															
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.-	-	S160	12AXD-38	60	160-4	C		HSJFP	75	121210 P009	025	1S 1S
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.-	-	S160	12AXD-38	60	160-4	C		HSJFP	75	121210 P009	012	1S 1S
036	SPIRE PSW (5) Ch09-12 . 12gnd		SPC.-	-	S160	12AXD-38	60	160-4	C		HSJFP	75	121210 P009	013	1S 1S
-															1S
036	SPIRE PSW (5) Ch09-12 . SHD60		SPC.-	-	S160	12AXD-38	60			CIS-S160	HSJFP	75	121210 P009	013	1S 1S
FCR	SPIRE PSW (5) Ch09-12 . COS60		SPC.-	-	S160	12AXD-38	60			COS-S160 con to FCR	HSJFP	75	121210 P009	CH	1S 1S
-															
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.-	-	S163	12AXD-38	63	163-1	D		HSJFP	75	121210 P010	001	1S 1S
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.-	-	S163	12AXD-38	63	163-1	D		HSJFP	75	121210 P010	014	1S 1S
128	SPIRE PSW (5) Ch13-16 . 13gnd		SPC.-	-	S163	12AXD-38	63	163-1	D		HSJFP	75	121210 P010	013	1S 1S
-															
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.-	-	S163	12AXD-38	63	163-2	E		HSJFP	75	121210 P010	002	1S 1S
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.-	-	S163	12AXD-38	63	163-2	E		HSJFP	75	121210 P010	015	1S 1S
128	SPIRE PSW (5) Ch13-16 . 14gnd		SPC.-	-	S163	12AXD-38	63	163-2	E		HSJFP	75	121210 P010	013	1S 1S
-															
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.-	-	S163	12AXD-38	63	163-3	F		HSJFP	75	121210 P010	003	1S 1S
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.-	-	S163	12AXD-38	63	163-3	F		HSJFP	75	121210 P010	016	1S 1S
128	SPIRE PSW (5) Ch13-16 . 15gnd		SPC.-	-	S163	12AXD-38	63	163-3	F		HSJFP	75	121210 P010	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.-	-	S163	12AXD-38	63	163-4	G		HSJFP	75	121210 P010	004	1S 1S
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.-	-	S163	12AXD-38	63	163-4	G		HSJFP	75	121210 P010	017	1S 1S
128	SPIRE PSW (5) Ch13-16 . 16gnd		SPC.-	-	S163	12AXD-38	63	163-4	G		HSJFP	75	121210 P010	013	1S 1S
-															1S
128	SPIRE PSW (5) Ch13-16 . SHD63		SPC.-	-	S163	12AXD-38	63			CIS-S163	HSJFP	75	121210 P010	013	1S 1S
FCR	SPIRE PSW (5) Ch13-16 . COS63		SPC.-	-	S163	12AXD-38	63			COS-S163 con to FCR	HSJFP	75	121210 P010	CH	1S 1S
-															
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.-	-	S164	12AXD-38	64	164-1	H		HSJFP	75	121210 P010	005	1S 1S
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.-	-	S164	12AXD-38	64	164-1	H		HSJFP	75	121210 P010	018	1S 1S
128	SPIRE PSW (5) Ch17-20 . 17gnd		SPC.-	-	S164	12AXD-38	64	164-1	H		HSJFP	75	121210 P010	013	1S 1S
-															
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.-	-	S164	12AXD-38	64	164-2	J		HSJFP	75	121210 P010	006	1S 1S
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.-	-	S164	12AXD-38	64	164-2	J		HSJFP	75	121210 P010	019	1S 1S
128	SPIRE PSW (5) Ch17-20 . 18gnd		SPC.-	-	S164	12AXD-38	64	164-2	J		HSJFP	75	121210 P010	013	1S 1S
-															
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.-	-	S164	12AXD-38	64	164-3	K		HSJFP	75	121210 P010	020	1S 1S
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.-	-	S164	12AXD-38	64	164-3	K		HSJFP	75	121210 P010	007	1S 1S
128	SPIRE PSW (5) Ch17-20 . 19gnd		SPC.-	-	S164	12AXD-38	64	164-3	K		HSJFP	75	121210 P010	013	1S 1S
-															
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.-	-	S164	12AXD-38	64	164-4	L		HSJFP	75	121210 P010	021	1S 1S
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.-	-	S164	12AXD-38	64	164-4	L		HSJFP	75	121210 P010	008	1S 1S
128	SPIRE PSW (5) Ch17-20 . 20gnd		SPC.-	-	S164	12AXD-38	64	164-4	L		HSJFP	75	121210 P010	013	1S 1S
-															1S
128	SPIRE PSW (5) Ch17-20 . SHD64		SPC.-	-	S164	12AXD-38	64			CIS-S164	HSJFP	75	121210 P010	013	1S 1S
FCR	SPIRE PSW (5) Ch17-20 . COS64		SPC.-	-	S164	12AXD-38	64			COS-S164 con to FCR	HSJFP	75	121210 P010	CH	1S 1S
-															
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.-	-	S165	12AXD-38	65	165-1	M		HSJFP	75	121210 P010	022	1S 1S
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.-	-	S165	12AXD-38	65	165-1	M		HSJFP	75	121210 P010	009	1S 1S
128	SPIRE PSW (5) Ch21-24 . 21gnd		SPC.-	-	S165	12AXD-38	65	165-1	M		HSJFP	75	121210 P010	013	1S 1S
-															
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.-	-	S165	12AXD-38	65	165-2	N		HSJFP	75	121210 P010	023	1S 1S
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.-	-	S165	12AXD-38	65	165-2	N		HSJFP	75	121210 P010	010	1S 1S
128	SPIRE PSW (5) Ch21-24 . 22gnd		SPC.-	-	S165	12AXD-38	65	165-2	N		HSJFP	75	121210 P010	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
-																
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.-	-	S165	12AXD-38	65	165-3	P		HSJFP	75	121210 P010	024	1S	1S
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.-	-	S165	12AXD-38	65	165-3	P		HSJFP	75	121210 P010	011	1S	1S
128	SPIRE PSW (5) Ch21-24 . 23gnd		SPC.-	-	S165	12AXD-38	65	165-3	P		HSJFP	75	121210 P010	013	1S	1S
-																
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.-	-	S165	12AXD-38	65	165-4	Q		HSJFP	75	121210 P010	025	1S	1S
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.-	-	S165	12AXD-38	65	165-4	Q		HSJFP	75	121210 P010	012	1S	1S
128	SPIRE PSW (5) Ch21-24 . 24gnd		SPC.-	-	S165	12AXD-38	65	165-4	Q		HSJFP	75	121210 P010	013	1S	1S
-																1S
128	SPIRE PSW (5) Ch21-24 . SHD65		SPC.-	-	S165	12AXD-38	65			CIS-S165	HSJFP	75	121210 P010	013	1S	1S
FCR	SPIRE PSW (5) Ch21-24 . COS65		SPC.-	-	S165	12AXD-38	65			COS-S 165 con to FCR	HSJFP	75	121210 P010	CH	1S	1S
-																
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.-	-	S167	12AXD-38	67	167-1	R		HSJFP	75	121210 P011	001	1S	1S
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.-	-	S167	12AXD-38	67	167-1	R		HSJFP	75	121210 P011	014	1S	1S
047	SPIRE PSW (6) Ch25-28 . 25gnd		SPC.-	-	S167	12AXD-38	67	167-1	R		HSJFP	75	121210 P011	013	1S	1S
-																
102	SPIRE PSW (6) Ch25-28 . 26+		SPC.-	-	S167	12AXD-38	67	167-1	S		HSJFP	75	121210 P011	002	1S	1S
101	SPIRE PSW (6) Ch25-28 . 26-		SPC.-	-	S167	12AXD-38	67	167-1	S		HSJFP	75	121210 P011	015	1S	1S
047	SPIRE PSW (6) Ch25-28 . 26gnd		SPC.-	-	S167	12AXD-38	67	167-1	S		HSJFP	75	121210 P011	013	1S	1S
-																
092	SPIRE PSW (6) Ch25-28 . 27+		SPC.-	-	S167	12AXD-38	67	167-2	T		HSJFP	75	121210 P011	003	1S	1S
091	SPIRE PSW (6) Ch25-28 . 27-		SPC.-	-	S167	12AXD-38	67	167-2	T		HSJFP	75	121210 P011	016	1S	1S
047	SPIRE PSW (6) Ch25-28 . 27gnd		SPC.-	-	S167	12AXD-38	67	167-2	T		HSJFP	75	121210 P011	013	1S	1S
-																
103	SPIRE PSW (6) Ch25-28 . 28+		SPC.-	-	S167	12AXD-38	67	167-3	U		HSJFP	75	121210 P011	004	1S	1S
113	SPIRE PSW (6) Ch25-28 . 28-		SPC.-	-	S167	12AXD-38	67	167-3	U		HSJFP	75	121210 P011	017	1S	1S
047	SPIRE PSW (6) Ch25-28 . 28gnd		SPC.-	-	S167	12AXD-38	67	167-3	U		HSJFP	75	121210 P011	013	1S	1S
-																1S
047	SPIRE PSW (6) Ch25-28 . SHD67		SPC.-	-	S167	12AXD-38	67			CIS-S167	HSJFP	75	121210 P011	013	1S	1S
FCR	SPIRE PSW (6) Ch25-28 . COS67		SPC.-	-	S167	12AXD-38	67			COS-S167 con to FCR	HSJFP	75	121210 P011	CH	1S	1S
-																
058	SPIRE PSW (6) Ch29-32 . 29+		SPC.-	-	S168	12AXD-38	68	168-1	V		HSJFP	75	121210 P011	005	1S	1S
046	SPIRE PSW (6) Ch29-32 . 29-		SPC.-	-	S168	12AXD-38	68	168-1	V		HSJFP	75	121210 P011	018	1S	1S
047	SPIRE PSW (6) Ch29-32 . 29gnd		SPC.-	-	S168	12AXD-38	68	168-1	V		HSJFP	75	121210 P011	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
068	SPIRE PSW (6) Ch29-32 . 30+		SPC.-	-	S168	12AXD-38	68	168-2	W		HSJFP	75	121210 P011	006	1S 1S
057	SPIRE PSW (6) Ch29-32 . 30-		SPC.-	-	S168	12AXD-38	68	168-2	W		HSJFP	75	121210 P011	019	1S 1S
047	SPIRE PSW (6) Ch29-32 . 30gnd		SPC.-	-	S168	12AXD-38	68	168-2	W		HSJFP	75	121210 P011	013	1S 1S
-															
069	SPIRE PSW (6) Ch29-32 . 31+		SPC.-	-	S168	12AXD-38	68	168-3	X		HSJFP	75	121210 P011	020	1S 1S
080	SPIRE PSW (6) Ch29-32 . 31-		SPC.-	-	S168	12AXD-38	68	168-3	X		HSJFP	75	121210 P011	007	1S 1S
047	SPIRE PSW (6) Ch29-32 . 31gnd		SPC.-	-	S168	12AXD-38	68	168-3	X		HSJFP	75	121210 P011	013	1S 1S
-															
070	SPIRE PSW (6) Ch29-32 . 32+		SPC.-	-	S168	12AXD-38	68	168-4	Y		HSJFP	75	121210 P011	021	1S 1S
081	SPIRE PSW (6) Ch29-32 . 32-		SPC.-	-	S168	12AXD-38	68	168-4	Y		HSJFP	75	121210 P011	008	1S 1S
047	SPIRE PSW (6) Ch29-32 . 32gnd		SPC.-	-	S168	12AXD-38	68	168-4	Y		HSJFP	75	121210 P011	013	1S 1S
-															1S
047	SPIRE PSW (6) Ch29-32 . SHD68		SPC.-	-	S168	12AXD-38	68			CIS-S168	HSJFP	75	121210 P011	013	1S 1S
FCR	SPIRE PSW (6) Ch29-32 . COS68		SPC.-	-	S168	12AXD-38	68			COS-S168 con to FCR	HSJFP	75	121210 P011	CH	1S 1S
-															
023	SPIRE PSW (6) Ch33-36 . 33+		SPC.-	-	S169	12AXD-38	69	169-1	Z		HSJFP	75	121210 P011	022	1S 1S
034	SPIRE PSW (6) Ch33-36 . 33-		SPC.-	-	S169	12AXD-38	69	169-1	Z		HSJFP	75	121210 P011	009	1S 1S
047	SPIRE PSW (6) Ch33-36 . 33gnd		SPC.-	-	S169	12AXD-38	69	169-1	Z		HSJFP	75	121210 P011	013	1S 1S
-															
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.-	-	S169	12AXD-38	69	169-2	a		HSJFP	75	121210 P011	023	1S 1S
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.-	-	S169	12AXD-38	69	169-2	a		HSJFP	75	121210 P011	010	1S 1S
047	SPIRE PSW (6) Ch33-36 . 34gnd		SPC.-	-	S169	12AXD-38	69	169-2	a		HSJFP	75	121210 P011	013	1S 1S
-															
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.-	-	S169	12AXD-38	69	169-3	b		HSJFP	75	121210 P011	024	1S 1S
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.-	-	S169	12AXD-38	69	169-3	b		HSJFP	75	121210 P011	011	1S 1S
047	SPIRE PSW (6) Ch33-36 . 35gnd		SPC.-	-	S169	12AXD-38	69	169-3	b		HSJFP	75	121210 P011	013	1S 1S
-															
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.-	-	S169	12AXD-38	69	169-4	c		HSJFP	75	121210 P011	025	1S 1S
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.-	-	S169	12AXD-38	69	169-4	c		HSJFP	75	121210 P011	012	1S 1S
047	SPIRE PSW (6) Ch33-36 . 36gnd		SPC.-	-	S169	12AXD-38	69	169-4	c		HSJFP	75	121210 P011	013	1S 1S
-															1S
047	SPIRE PSW (6) Ch33-36 . SHD69		SPC.-	-	S169	12AXD-38	69			CIS-S169	HSJFP	75	121210 P011	013	1S 1S
FCR	SPIRE PSW (6) Ch33-36 . COS69		SPC.-	-	S169	12AXD-38	69			COS-S169 con to FCR	HSJFP	75	121210 P011	CH	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.-	-	S172	12AXD-38	72	172-1	d		HSJFP	75	121210 P012	001	1S 1S
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.-	-	S172	12AXD-38	72	172-1	d		HSJFP	75	121210 P012	014	1S 1S
004	SPIRE PSW (6) Ch37-40 . 37gnd		SPC.-	-	S172	12AXD-38	72	172-1	d		HSJFP	75	121210 P012	013	1S 1S
-															
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.-	-	S172	12AXD-38	72	172-2	e		HSJFP	75	121210 P012	002	1S 1S
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.-	-	S172	12AXD-38	72	172-2	e		HSJFP	75	121210 P012	015	1S 1S
004	SPIRE PSW (6) Ch37-40 . 38gnd		SPC.-	-	S172	12AXD-38	72	172-2	e		HSJFP	75	121210 P012	013	1S 1S
-															
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.-	-	S172	12AXD-38	72	172-3	f		HSJFP	75	121210 P012	003	1S 1S
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.-	-	S172	12AXD-38	72	172-3	f		HSJFP	75	121210 P012	016	1S 1S
004	SPIRE PSW (6) Ch37-40 . 39gnd		SPC.-	-	S172	12AXD-38	72	172-3	f		HSJFP	75	121210 P012	013	1S 1S
-															
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.-	-	S172	12AXD-38	72	172-4	g		HSJFP	75	121210 P012	004	1S 1S
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.-	-	S172	12AXD-38	72	172-4	g		HSJFP	75	121210 P012	017	1S 1S
004	SPIRE PSW (6) Ch37-40 . 40gnd		SPC.-	-	S172	12AXD-38	72	172-4	g		HSJFP	75	121210 P012	013	1S 1S
-															1S
004	SPIRE PSW (6) Ch37-40 . SHD72		SPC.-	-	S172	12AXD-38	72			CIS-S172	HSJFP	75	121210 P012	013	1S 1S
FCR	SPIRE PSW (6) Ch37-40 . COS72		SPC.-	-	S172	12AXD-38	72			COS-S172 con to FCR	HSJFP	75	121210 P012	CH	1S 1S
-															
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.-	-	S173	12AXD-38	73	173-1	h		HSJFP	75	121210 P012	005	1S 1S
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.-	-	S173	12AXD-38	73	173-1	h		HSJFP	75	121210 P012	018	1S 1S
004	SPIRE PSW (6) Ch41-44 . 41gnd		SPC.-	-	S173	12AXD-38	73	173-1	h		HSJFP	75	121210 P012	013	1S 1S
-															
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.-	-	S173	12AXD-38	73	173-2	k		HSJFP	75	121210 P012	006	1S 1S
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.-	-	S173	12AXD-38	73	173-2	k		HSJFP	75	121210 P012	019	1S 1S
004	SPIRE PSW (6) Ch41-44 . 42gnd		SPC.-	-	S173	12AXD-38	73	173-2	k		HSJFP	75	121210 P012	013	1S 1S
-															
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.-	-	S173	12AXD-38	73	173-3	m		HSJFP	75	121210 P012	020	1S 1S
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.-	-	S173	12AXD-38	73	173-3	m		HSJFP	75	121210 P012	007	1S 1S
004	SPIRE PSW (6) Ch41-44 . 43gnd		SPC.-	-	S173	12AXD-38	73	173-3	m		HSJFP	75	121210 P012	013	1S 1S
-															
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.-	-	S173	12AXD-38	73	173-4	n		HSJFP	75	121210 P012	021	1S 1S
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.-	-	S173	12AXD-38	73	173-4	n		HSJFP	75	121210 P012	008	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PSW (6) Ch41-44 . 44gnd		SPC.-	-	S173	12AXD-38	73	173-4	n		HSJFP	75	121210 P012	013	1S	1S
-																1S
004	SPIRE PSW (6) Ch41-44 . SHD73		SPC.-	-	S173	12AXD-38	73			CIS-S173	HSJFP	75	121210 P012	013	1S	1S
FCR	SPIRE PSW (6) Ch41-44 . COS73		SPC.-	-	S173	12AXD-38	73			COS-S173 con to FCR	HSJFP	75	121210 P012	CH	1S	1S
-																
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.-	-	S174	12AXD-38	74	174-1	p		HSJFP	75	121210 P012	022	1S	1S
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.-	-	S174	12AXD-38	74	174-1	p		HSJFP	75	121210 P012	009	1S	1S
004	SPIRE PSW (6) Ch45-48 . 45gnd		SPC.-	-	S174	12AXD-38	74	174-1	p		HSJFP	75	121210 P012	013	1S	1S
-																
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.-	-	S174	12AXD-38	74	174-2	r		HSJFP	75	121210 P012	023	1S	1S
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.-	-	S174	12AXD-38	74	174-2	r		HSJFP	75	121210 P012	010	1S	1S
004	SPIRE PSW (6) Ch45-48 . 46gnd		SPC.-	-	S174	12AXD-38	74	174-2	r		HSJFP	75	121210 P012	013	1S	1S
-																
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.-	-	S174	12AXD-38	74	174-3	s		HSJFP	75	121210 P012	024	1S	1S
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.-	-	S174	12AXD-38	74	174-3	s		HSJFP	75	121210 P012	011	1S	1S
004	SPIRE PSW (6) Ch45-48 . 47gnd		SPC.-	-	S174	12AXD-38	74	174-3	s		HSJFP	75	121210 P012	013	1S	1S
-																
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.-	-	S174	12AXD-38	74	174-4	t		HSJFP	75	121210 P012	025	1S	1S
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.-	-	S174	12AXD-38	74	174-4	t		HSJFP	75	121210 P012	012	1S	1S
004	SPIRE PSW (6) Ch45-48 . 48gnd		SPC.-	-	S174	12AXD-38	74	174-4	t		HSJFP	75	121210 P012	013	1S	1S
-																1S
004	SPIRE PSW (6) Ch45-48 . SHD74		SPC.-	-	S174	12AXD-38	74			CIS-S174	HSJFP	75	121210 P012	013	1S	1S
FCR	SPIRE PSW (6) Ch45-48 . COS74		SPC.-	-	S174	12AXD-38	74			COS-S174 con to FCR	HSJFP	75	121210 P012	CH	1S	1S
-																
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
-	CH to be isolated from FCR														1S
-	Bundles Isolated from S/C structure														
-															1S
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List

(Harness)

Connector: 121210 P008**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (4) Ch37-40 . 37+	SPC.-	-		S154	12AXD-38	54	154-1	1		CVVUCR	33	211121 J027	013	1S	1S
014	SPIRE PSW (4) Ch37-40 . 37-	SPC.-	-		S154	12AXD-38	54	154-1	1		CVVUCR	33	211121 J027	012	1S	1S
013	SPIRE PSW (4) Ch37-40 . 37gnd	SPC.-	-		S154	12AXD-38	54	154-1	1		CVVUCR	33	211121 J027	004	1S	1S
-																
002	SPIRE PSW (4) Ch37-40 . 38+	SPC.-	-		S154	12AXD-38	54	154-2	2		CVVUCR	33	211121 J027	021	1S	1S
015	SPIRE PSW (4) Ch37-40 . 38-	SPC.-	-		S154	12AXD-38	54	154-2	2		CVVUCR	33	211121 J027	020	1S	1S
013	SPIRE PSW (4) Ch37-40 . 38gnd	SPC.-	-		S154	12AXD-38	54	154-2	2		CVVUCR	33	211121 J027	004	1S	1S
-																
003	SPIRE PSW (4) Ch37-40 . 39+	SPC.-	-		S154	12AXD-38	54	154-3	3		CVVUCR	33	211121 J027	031	1S	1S
016	SPIRE PSW (4) Ch37-40 . 39-	SPC.-	-		S154	12AXD-38	54	154-3	3		CVVUCR	33	211121 J027	043	1S	1S
013	SPIRE PSW (4) Ch37-40 . 39gnd	SPC.-	-		S154	12AXD-38	54	154-3	3		CVVUCR	33	211121 J027	004	1S	1S
-																
004	SPIRE PSW (4) Ch37-40 . 40+	SPC.-	-		S154	12AXD-38	54	154-4	4		CVVUCR	33	211121 J027	042	1S	1S
017	SPIRE PSW (4) Ch37-40 . 40-	SPC.-	-		S154	12AXD-38	54	154-4	4		CVVUCR	33	211121 J027	054	1S	1S
013	SPIRE PSW (4) Ch37-40 . 40gnd	SPC.-	-		S154	12AXD-38	54	154-4	4		CVVUCR	33	211121 J027	004	1S	1S
-																1S
013	SPIRE PSW (4) Ch37-40 . SHD54	SPC.-	-		S154	12AXD-38	54			CIS-S154	CVVUCR	33	211121 J027	004	1S	1S
CH	SPIRE PSW (4) Ch37-40 . COS54	SPC.-	-		S154	12AXD-38	54			COS-S154 con to CH	CVVUCR	33	211121 J027	FCR	1S	1S
-																
005	SPIRE PSW (4) Ch41-44 . 41+	SPC.-	-		S155	12AXD-38	55	155-1	5		CVVUCR	33	211121 J027	010	1S	1S
018	SPIRE PSW (4) Ch41-44 . 41-	SPC.-	-		S155	12AXD-38	55	155-1	5		CVVUCR	33	211121 J027	011	1S	1S
013	SPIRE PSW (4) Ch41-44 . 41gnd	SPC.-	-		S155	12AXD-38	55	155-1	5		CVVUCR	33	211121 J027	004	1S	1S
-																
006	SPIRE PSW (4) Ch41-44 . 42+	SPC.-	-		S155	12AXD-38	55	155-2	6		CVVUCR	33	211121 J027	019	1S	1S
019	SPIRE PSW (4) Ch41-44 . 42-	SPC.-	-		S155	12AXD-38	55	155-2	6		CVVUCR	33	211121 J027	029	1S	1S
013	SPIRE PSW (4) Ch41-44 . 42gnd	SPC.-	-		S155	12AXD-38	55	155-2	6		CVVUCR	33	211121 J027	004	1S	1S
-																
020	SPIRE PSW (4) Ch41-44 . 43+	SPC.-	-		S155	12AXD-38	55	155-3	7		CVVUCR	33	211121 J027	041	1S	1S
007	SPIRE PSW (4) Ch41-44 . 43-	SPC.-	-		S155	12AXD-38	55	155-3	7		CVVUCR	33	211121 J027	030	1S	1S
013	SPIRE PSW (4) Ch41-44 . 43gnd	SPC.-	-		S155	12AXD-38	55	155-3	7		CVVUCR	33	211121 J027	004	1S	1S
-																
021	SPIRE PSW (4) Ch41-44 . 44+	SPC.-	-		S155	12AXD-38	55	155-4	8		CVVUCR	33	211121 J027	053	1S	1S
008	SPIRE PSW (4) Ch41-44 . 44-	SPC.-	-		S155	12AXD-38	55	155-4	8		CVVUCR	33	211121 J027	052	1S	1S
013	SPIRE PSW (4) Ch41-44 . 44gnd	SPC.-	-		S155	12AXD-38	55	155-4	8		CVVUCR	33	211121 J027	004	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P008**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (4) Ch41-44 . SHD55		SPC.-	-	S155	12AXD-38	55			CIS-S155	CVVUCR	33	211121 J027	004	1S 1S
CH	SPIRE PSW (4) Ch41-44 . COS55		SPC.-	-	S155	12AXD-38	55			COS-S155 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
022	SPIRE PSW (4) Ch45-48 . 45+		SPC.-	-	S156	12AXD-38	56	156-1	9		CVVUCR	33	211121 J027	009	1S 1S
009	SPIRE PSW (4) Ch45-48 . 45-		SPC.-	-	S156	12AXD-38	56	156-1	9		CVVUCR	33	211121 J027	017	1S 1S
013	SPIRE PSW (4) Ch45-48 . 45gnd		SPC.-	-	S156	12AXD-38	56	156-1	9		CVVUCR	33	211121 J027	004	1S 1S
-															
023	SPIRE PSW (4) Ch45-48 . 46+		SPC.-	-	S156	12AXD-38	56	156-2	A		CVVUCR	33	211121 J027	018	1S 1S
010	SPIRE PSW (4) Ch45-48 . 46-		SPC.-	-	S156	12AXD-38	56	156-2	A		CVVUCR	33	211121 J027	028	1S 1S
013	SPIRE PSW (4) Ch45-48 . 46gnd		SPC.-	-	S156	12AXD-38	56	156-2	A		CVVUCR	33	211121 J027	004	1S 1S
-															
024	SPIRE PSW (4) Ch45-48 . 47+		SPC.-	-	S156	12AXD-38	56	156-3	B		CVVUCR	33	211121 J027	016	1S 1S
011	SPIRE PSW (4) Ch45-48 . 47-		SPC.-	-	S156	12AXD-38	56	156-3	B		CVVUCR	33	211121 J027	027	1S 1S
013	SPIRE PSW (4) Ch45-48 . 47gnd		SPC.-	-	S156	12AXD-38	56	156-3	B		CVVUCR	33	211121 J027	004	1S 1S
-															
025	SPIRE PSW (4) Ch45-48 . 48+		SPC.-	-	S156	12AXD-38	56	156-4	C		CVVUCR	33	211121 J027	040	1S 1S
012	SPIRE PSW (4) Ch45-48 . 48-		SPC.-	-	S156	12AXD-38	56	156-4	C		CVVUCR	33	211121 J027	039	1S 1S
013	SPIRE PSW (4) Ch45-48 . 48gnd		SPC.-	-	S156	12AXD-38	56	156-4	C		CVVUCR	33	211121 J027	004	1S 1S
-															1S
013	SPIRE PSW (4) Ch45-48 . SHD56		SPC.-	-	S156	12AXD-38	56			CIS-S156	CVVUCR	33	211121 J027	004	1S 1S
CH	SPIRE PSW (4) Ch45-48 . COS56		SPC.-	-	S156	12AXD-38	56			COS-S156 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P007
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (4) Ch25-28 . 25+		SPC.-	-	S149	12AXD-38	49	149-1	1		CVVUCR	33	211121 J027	090	1S	1S
014	SPIRE PSW (4) Ch25-28 . 25-		SPC.-	-	S149	12AXD-38	49	149-1	1		CVVUCR	33	211121 J027	079	1S	1S
013	SPIRE PSW (4) Ch25-28 . 25gnd		SPC.-	-	S149	12AXD-38	49	149-1	1		CVVUCR	33	211121 J027	047	1S	1S
-																
002	SPIRE PSW (4) Ch25-28 . 26+		SPC.-	-	S149	12AXD-38	49	149-2	2		CVVUCR	33	211121 J027	102	1S	1S
015	SPIRE PSW (4) Ch25-28 . 26-		SPC.-	-	S149	12AXD-38	49	149-2	2		CVVUCR	33	211121 J027	101	1S	1S
013	SPIRE PSW (4) Ch25-28 . 26gnd		SPC.-	-	S149	12AXD-38	49	149-2	2		CVVUCR	33	211121 J027	047	1S	1S
-																
003	SPIRE PSW (4) Ch25-28 . 27+		SPC.-	-	S149	12AXD-38	49	149-3	3		CVVUCR	33	211121 J027	092	1S	1S
016	SPIRE PSW (4) Ch25-28 . 27-		SPC.-	-	S149	12AXD-38	49	149-3	3		CVVUCR	33	211121 J027	091	1S	1S
013	SPIRE PSW (4) Ch25-28 . 27gnd		SPC.-	-	S149	12AXD-38	49	149-3	3		CVVUCR	33	211121 J027	047	1S	1S
-																
004	SPIRE PSW (4) Ch25-28 . 28+		SPC.-	-	S149	12AXD-38	49	149-4	4		CVVUCR	33	211121 J027	103	1S	1S
017	SPIRE PSW (4) Ch25-28 . 28-		SPC.-	-	S149	12AXD-38	49	149-4	4		CVVUCR	33	211121 J027	113	1S	1S
013	SPIRE PSW (4) Ch25-28 . 28gnd		SPC.-	-	S149	12AXD-38	49	149-4	4		CVVUCR	33	211121 J027	047	1S	1S
-																1S
013	SPIRE PSW (4) Ch25-28 . SHD49		SPC.-	-	S149	12AXD-38	49			CIS-S149	CVVUCR	33	211121 J027	047	1S	1S
CH	SPIRE PSW (4) Ch25-28 . COS49		SPC.-	-	S149	12AXD-38	49			COS-S149 con to CH	CVVUCR	33	211121 J027	FCR	1S	1S
-																
005	SPIRE PSW (4) Ch29-32 . 29+		SPC.-	-	S150	12AXD-38	50	150-1	5		CVVUCR	33	211121 J027	058	1S	1S
018	SPIRE PSW (4) Ch29-32 . 29-		SPC.-	-	S150	12AXD-38	50	150-1	5		CVVUCR	33	211121 J027	046	1S	1S
013	SPIRE PSW (4) Ch29-32 . 29gnd		SPC.-	-	S150	12AXD-38	50	150-1	5		CVVUCR	33	211121 J027	047	1S	1S
-																
006	SPIRE PSW (4) Ch29-32 . 30+		SPC.-	-	S150	12AXD-38	50	150-2	6		CVVUCR	33	211121 J027	068	1S	1S
019	SPIRE PSW (4) Ch29-32 . 30-		SPC.-	-	S150	12AXD-38	50	150-2	6		CVVUCR	33	211121 J027	057	1S	1S
013	SPIRE PSW (4) Ch29-32 . 30gnd		SPC.-	-	S150	12AXD-38	50	150-2	6		CVVUCR	33	211121 J027	047	1S	1S
-																
020	SPIRE PSW (4) Ch29-32 . 31+		SPC.-	-	S150	12AXD-38	50	150-3	7		CVVUCR	33	211121 J027	069	1S	1S
007	SPIRE PSW (4) Ch29-32 . 31-		SPC.-	-	S150	12AXD-38	50	150-3	7		CVVUCR	33	211121 J027	080	1S	1S
013	SPIRE PSW (4) Ch29-32 . 31gnd		SPC.-	-	S150	12AXD-38	50	150-3	7		CVVUCR	33	211121 J027	047	1S	1S
-																
021	SPIRE PSW (4) Ch29-32 . 32+		SPC.-	-	S150	12AXD-38	50	150-4	8		CVVUCR	33	211121 J027	070	1S	1S
008	SPIRE PSW (4) Ch29-32 . 32-		SPC.-	-	S150	12AXD-38	50	150-4	8		CVVUCR	33	211121 J027	081	1S	1S
013	SPIRE PSW (4) Ch29-32 . 32gnd		SPC.-	-	S150	12AXD-38	50	150-4	8		CVVUCR	33	211121 J027	047	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P007
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (4) Ch29-32 . SHD50		SPC.-	-	S150	12AXD-38	50			CIS-S150	CVVUCR	33	211121 J027	047	1S 1S
CH	SPIRE PSW (4) Ch29-32 . COS50		SPC.-	-	S150	12AXD-38	50			COS-S150 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
022	SPIRE PSW (4) Ch33-36 . 33+		SPC.-	-	S151	12AXD-38	51	151-1	9		CVVUCR	33	211121 J027	023	1S 1S
009	SPIRE PSW (4) Ch33-36 . 33-		SPC.-	-	S151	12AXD-38	51	151-1	9		CVVUCR	33	211121 J027	034	1S 1S
013	SPIRE PSW (4) Ch33-36 . 33gnd		SPC.-	-	S151	12AXD-38	51	151-1	9		CVVUCR	33	211121 J027	047	1S 1S
-															
023	SPIRE PSW (4) Ch33-36 . 34+		SPC.-	-	S151	12AXD-38	51	151-2	A		CVVUCR	33	211121 J027	033	1S 1S
010	SPIRE PSW (4) Ch33-36 . 34-		SPC.-	-	S151	12AXD-38	51	151-2	A		CVVUCR	33	211121 J027	045	1S 1S
013	SPIRE PSW (4) Ch33-36 . 34gnd		SPC.-	-	S151	12AXD-38	51	151-2	A		CVVUCR	33	211121 J027	047	1S 1S
-															
024	SPIRE PSW (4) Ch33-36 . 35+		SPC.-	-	S151	12AXD-38	51	151-3	B		CVVUCR	33	211121 J027	044	1S 1S
011	SPIRE PSW (4) Ch33-36 . 35-		SPC.-	-	S151	12AXD-38	51	151-3	B		CVVUCR	33	211121 J027	056	1S 1S
013	SPIRE PSW (4) Ch33-36 . 35gnd		SPC.-	-	S151	12AXD-38	51	151-3	B		CVVUCR	33	211121 J027	047	1S 1S
-															
025	SPIRE PSW (4) Ch33-36 . 36+		SPC.-	-	S151	12AXD-38	51	151-4	C		CVVUCR	33	211121 J027	022	1S 1S
012	SPIRE PSW (4) Ch33-36 . 36-		SPC.-	-	S151	12AXD-38	51	151-4	C		CVVUCR	33	211121 J027	032	1S 1S
013	SPIRE PSW (4) Ch33-36 . 36gnd		SPC.-	-	S151	12AXD-38	51	151-4	C		CVVUCR	33	211121 J027	047	1S 1S
-															1S
013	SPIRE PSW (4) Ch33-36 . SHD51		SPC.-	-	S151	12AXD-38	51			CIS-S151	CVVUCR	33	211121 J027	047	1S 1S
CH	SPIRE PSW (4) Ch33-36 . COS51		SPC.-	-	S151	12AXD-38	51			COS-S151 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P006
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (3) Ch13-16 . 13+	SPC.-	-		S145	12AXD-38	45	145-1	1		CVVUCR	33	211121 J027	086	1S	1S
014	SPIRE PSW (3) Ch13-16 . 13-	SPC.-	-		S145	12AXD-38	45	145-1	1		CVVUCR	33	211121 J027	087	1S	1S
013	SPIRE PSW (3) Ch13-16 . 13gnd	SPC.-	-		S145	12AXD-38	45	145-1	1		CVVUCR	33	211121 J027	128	1S	1S
-																
002	SPIRE PSW (3) Ch13-16 . 14+	SPC.-	-		S145	12AXD-38	45	145-2	2		CVVUCR	33	211121 J027	097	1S	1S
015	SPIRE PSW (3) Ch13-16 . 14-	SPC.-	-		S145	12AXD-38	45	145-2	2		CVVUCR	33	211121 J027	098	1S	1S
013	SPIRE PSW (3) Ch13-16 . 14gnd	SPC.-	-		S145	12AXD-38	45	145-2	2		CVVUCR	33	211121 J027	128	1S	1S
-																
003	SPIRE PSW (3) Ch13-16 . 15+	SPC.-	-		S145	12AXD-38	45	145-3	3		CVVUCR	33	211121 J027	108	1S	1S
016	SPIRE PSW (3) Ch13-16 . 15-	SPC.-	-		S145	12AXD-38	45	145-3	3		CVVUCR	33	211121 J027	109	1S	1S
013	SPIRE PSW (3) Ch13-16 . 15gnd	SPC.-	-		S145	12AXD-38	45	145-3	3		CVVUCR	33	211121 J027	128	1S	1S
-																
004	SPIRE PSW (3) Ch13-16 . 16+	SPC.-	-		S145	12AXD-38	45	145-4	4		CVVUCR	33	211121 J027	116	1S	1S
017	SPIRE PSW (3) Ch13-16 . 16-	SPC.-	-		S145	12AXD-38	45	145-4	4		CVVUCR	33	211121 J027	117	1S	1S
013	SPIRE PSW (3) Ch13-16 . 16gnd	SPC.-	-		S145	12AXD-38	45	145-4	4		CVVUCR	33	211121 J027	128	1S	1S
-																1S
013	SPIRE PSW (3) Ch13-16 . SHD45	SPC.-	-		S145	12AXD-38	45			CIS-S145	CVVUCR	33	211121 J027	128	1S	1S
CH	SPIRE PSW (3) Ch13-16 . COS45	SPC.-	-		S145	12AXD-38	45			COS-S145 con to CH	CVVUCR	33	211121 J027	FCR	1S	1S
-																
005	SPIRE PSW (3) Ch17-20 . 17+	SPC.-	-		S146	12AXD-38	46	146-1	5		CVVUCR	33	211121 J027	055	1S	1S
018	SPIRE PSW (3) Ch17-20 . 17-	SPC.-	-		S146	12AXD-38	46	146-1	5		CVVUCR	33	211121 J027	066	1S	1S
013	SPIRE PSW (3) Ch17-20 . 17gnd	SPC.-	-		S146	12AXD-38	46	146-1	5		CVVUCR	33	211121 J027	128	1S	1S
-																
006	SPIRE PSW (3) Ch17-20 . 18+	SPC.-	-		S146	12AXD-38	46	146-2	6		CVVUCR	33	211121 J027	067	1S	1S
019	SPIRE PSW (3) Ch17-20 . 18-	SPC.-	-		S146	12AXD-38	46	146-2	6		CVVUCR	33	211121 J027	078	1S	1S
013	SPIRE PSW (3) Ch17-20 . 18gnd	SPC.-	-		S146	12AXD-38	46	146-2	6		CVVUCR	33	211121 J027	128	1S	1S
-																
020	SPIRE PSW (3) Ch17-20 . 19+	SPC.-	-		S146	12AXD-38	46	146-3	7		CVVUCR	33	211121 J027	076	1S	1S
007	SPIRE PSW (3) Ch17-20 . 19-	SPC.-	-		S146	12AXD-38	46	146-3	7		CVVUCR	33	211121 J027	077	1S	1S
013	SPIRE PSW (3) Ch17-20 . 19gnd	SPC.-	-		S146	12AXD-38	46	146-3	7		CVVUCR	33	211121 J027	128	1S	1S
-																
021	SPIRE PSW (3) Ch17-20 . 20+	SPC.-	-		S146	12AXD-38	46	146-4	8		CVVUCR	33	211121 J027	088	1S	1S
008	SPIRE PSW (3) Ch17-20 . 20-	SPC.-	-		S146	12AXD-38	46	146-4	8		CVVUCR	33	211121 J027	089	1S	1S
013	SPIRE PSW (3) Ch17-20 . 20gnd	SPC.-	-		S146	12AXD-38	46	146-4	8		CVVUCR	33	211121 J027	128	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P006
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (3) Ch17-20 . SHD46		SPC.-	-	S146	12AXD-38	46			CIS-S146	CVVUCR	33	211121 J027	128	1S 1S
CH	SPIRE PSW (3) Ch17-20 . COS46		SPC.-	-	S146	12AXD-38	46			COS-S146 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
022	SPIRE PSW (3) Ch21-24 . 21+		SPC.-	-	S147	12AXD-38	47	147-1	9		CVVUCR	33	211121 J027	099	1S 1S
009	SPIRE PSW (3) Ch21-24 . 21-		SPC.-	-	S147	12AXD-38	47	147-1	9		CVVUCR	33	211121 J027	100	1S 1S
013	SPIRE PSW (3) Ch21-24 . 21gnd		SPC.-	-	S147	12AXD-38	47	147-1	9		CVVUCR	33	211121 J027	128	1S 1S
-															
023	SPIRE PSW (3) Ch21-24 . 22+		SPC.-	-	S147	12AXD-38	47	147-2	A		CVVUCR	33	211121 J027	110	1S 1S
010	SPIRE PSW (3) Ch21-24 . 22-		SPC.-	-	S147	12AXD-38	47	147-2	A		CVVUCR	33	211121 J027	111	1S 1S
013	SPIRE PSW (3) Ch21-24 . 22gnd		SPC.-	-	S147	12AXD-38	47	147-2	A		CVVUCR	33	211121 J027	128	1S 1S
-															
024	SPIRE PSW (3) Ch21-24 . 23+		SPC.-	-	S147	12AXD-38	47	147-3	B		CVVUCR	33	211121 J027	118	1S 1S
011	SPIRE PSW (3) Ch21-24 . 23-		SPC.-	-	S147	12AXD-38	47	147-3	B		CVVUCR	33	211121 J027	119	1S 1S
013	SPIRE PSW (3) Ch21-24 . 23gnd		SPC.-	-	S147	12AXD-38	47	147-3	B		CVVUCR	33	211121 J027	128	1S 1S
-															
025	SPIRE PSW (3) Ch21-24 . 24+		SPC.-	-	S147	12AXD-38	47	147-4	C		CVVUCR	33	211121 J027	112	1S 1S
012	SPIRE PSW (3) Ch21-24 . 24-		SPC.-	-	S147	12AXD-38	47	147-4	C		CVVUCR	33	211121 J027	120	1S 1S
013	SPIRE PSW (3) Ch21-24 . 24gnd		SPC.-	-	S147	12AXD-38	47	147-4	C		CVVUCR	33	211121 J027	128	1S 1S
-															1S
013	SPIRE PSW (3) Ch21-24 . SHD47		SPC.-	-	S147	12AXD-38	47			CIS-S147	CVVUCR	33	211121 J027	128	1S 1S
CH	SPIRE PSW (3) Ch21-24 . COS47		SPC.-	-	S147	12AXD-38	47			COS-S147 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List (Harness)

Connector: 121210 P005
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (3) Ch01-04 . 1+	SPC.-	-		S140	12AXD-38	40	140-1	1		CVVUCR	33	211121 J027	026	1S	1S
014	SPIRE PSW (3) Ch01-04 . 1-	SPC.-	-		S140	12AXD-38	40	140-1	1		CVVUCR	33	211121 J027	037	1S	1S
013	SPIRE PSW (3) Ch01-04 . 1gnd	SPC.-	-		S140	12AXD-38	40	140-1	1		CVVUCR	33	211121 J027	036	1S	1S
-																
002	SPIRE PSW (3) Ch01-04 . 2+	SPC.-	-		S140	12AXD-38	40	140-2	2		CVVUCR	33	211121 J027	038	1S	1S
015	SPIRE PSW (3) Ch01-04 . 2-	SPC.-	-		S140	12AXD-38	40	140-2	2		CVVUCR	33	211121 J027	049	1S	1S
013	SPIRE PSW (3) Ch01-04 . 2gnd	SPC.-	-		S140	12AXD-38	40	140-2	2		CVVUCR	33	211121 J027	036	1S	1S
-																
003	SPIRE PSW (3) Ch01-04 . 3+	SPC.-	-		S140	12AXD-38	40	140-3	3		CVVUCR	33	211121 J027	048	1S	1S
016	SPIRE PSW (3) Ch01-04 . 3-	SPC.-	-		S140	12AXD-38	40	140-3	3		CVVUCR	33	211121 J027	060	1S	1S
013	SPIRE PSW (3) Ch01-04 . 3gnd	SPC.-	-		S140	12AXD-38	40	140-3	3		CVVUCR	33	211121 J027	036	1S	1S
-																
004	SPIRE PSW (3) Ch01-04 . 4+	SPC.-	-		S140	12AXD-38	40	140-4	4		CVVUCR	33	211121 J027	059	1S	1S
017	SPIRE PSW (3) Ch01-04 . 4-	SPC.-	-		S140	12AXD-38	40	140-4	4		CVVUCR	33	211121 J027	071	1S	1S
013	SPIRE PSW (3) Ch01-04 . 4gnd	SPC.-	-		S140	12AXD-38	40	140-4	4		CVVUCR	33	211121 J027	036	1S	1S
-																1S
013	SPIRE PSW (3) Ch01-04 . SHD40	SPC.-	-		S140	12AXD-38	40			CIS-S140	CVVUCR	33	211121 J027	036	1S	1S
CH	SPIRE PSW (3) Ch01-04 . COS40	SPC.-	-		S140	12AXD-38	40			COS-S140 con to CH	CVVUCR	33	211121 J027	FCR	1S	1S
-																
005	SPIRE PSW (3) Ch05-08 . 5+	SPC.-	-		S141	12AXD-38	41	141-1	5		CVVUCR	33	211121 J027	050	1S	1S
018	SPIRE PSW (3) Ch05-08 . 5-	SPC.-	-		S141	12AXD-38	41	141-1	5		CVVUCR	33	211121 J027	061	1S	1S
013	SPIRE PSW (3) Ch05-08 . 5gnd	SPC.-	-		S141	12AXD-38	41	141-1	5		CVVUCR	33	211121 J027	036	1S	1S
-																
006	SPIRE PSW (3) Ch05-08 . 6+	SPC.-	-		S141	12AXD-38	41	141-2	6		CVVUCR	33	211121 J027	062	1S	1S
019	SPIRE PSW (3) Ch05-08 . 6-	SPC.-	-		S141	12AXD-38	41	141-2	6		CVVUCR	33	211121 J027	051	1S	1S
013	SPIRE PSW (3) Ch05-08 . 6gnd	SPC.-	-		S141	12AXD-38	41	141-2	6		CVVUCR	33	211121 J027	036	1S	1S
-																
020	SPIRE PSW (3) Ch05-08 . 7+	SPC.-	-		S141	12AXD-38	41	141-3	7		CVVUCR	33	211121 J027	063	1S	1S
007	SPIRE PSW (3) Ch05-08 . 7-	SPC.-	-		S141	12AXD-38	41	141-3	7		CVVUCR	33	211121 J027	075	1S	1S
013	SPIRE PSW (3) Ch05-08 . 7gnd	SPC.-	-		S141	12AXD-38	41	141-3	7		CVVUCR	33	211121 J027	036	1S	1S
-																
021	SPIRE PSW (3) Ch05-08 . 8+	SPC.-	-		S141	12AXD-38	41	141-4	8		CVVUCR	33	211121 J027	074	1S	1S
008	SPIRE PSW (3) Ch05-08 . 8-	SPC.-	-		S141	12AXD-38	41	141-4	8		CVVUCR	33	211121 J027	073	1S	1S
013	SPIRE PSW (3) Ch05-08 . 8gnd	SPC.-	-		S141	12AXD-38	41	141-4	8		CVVUCR	33	211121 J027	036	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P005**Function / Bundle:** SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW (3) Ch05-08 . SHD41		SPC.-	-	S141	12AXD-38	41			CIS-S141	CVVUCR	33	211121 J027	036	1S 1S
CH	SPIRE PSW (3) Ch05-08 . COS41		SPC.-	-	S141	12AXD-38	41			COS-S141 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
022	SPIRE PSW (3) Ch09-12 . 9+		SPC.-	-	S142	12AXD-38	42	142-1	9		CVVUCR	33	211121 J027	083	1S 1S
009	SPIRE PSW (3) Ch09-12 . 9-		SPC.-	-	S142	12AXD-38	42	142-1	9		CVVUCR	33	211121 J027	072	1S 1S
013	SPIRE PSW (3) Ch09-12 . 9gnd		SPC.-	-	S142	12AXD-38	42	142-1	9		CVVUCR	33	211121 J027	036	1S 1S
-															
023	SPIRE PSW (3) Ch09-12 . 10+		SPC.-	-	S142	12AXD-38	42	142-2	A		CVVUCR	33	211121 J027	095	1S 1S
010	SPIRE PSW (3) Ch09-12 . 10-		SPC.-	-	S142	12AXD-38	42	142-2	A		CVVUCR	33	211121 J027	084	1S 1S
013	SPIRE PSW (3) Ch09-12 . 10gnd		SPC.-	-	S142	12AXD-38	42	142-2	A		CVVUCR	33	211121 J027	036	1S 1S
-															
024	SPIRE PSW (3) Ch09-12 . 11+		SPC.-	-	S142	12AXD-38	42	142-3	B		CVVUCR	33	211121 J027	096	1S 1S
011	SPIRE PSW (3) Ch09-12 . 11-		SPC.-	-	S142	12AXD-38	42	142-3	B		CVVUCR	33	211121 J027	085	1S 1S
013	SPIRE PSW (3) Ch09-12 . 11gnd		SPC.-	-	S142	12AXD-38	42	142-3	B		CVVUCR	33	211121 J027	036	1S 1S
-															
025	SPIRE PSW (3) Ch09-12 . 12+		SPC.-	-	S142	12AXD-38	42	142-4	C		CVVUCR	33	211121 J027	106	1S 1S
012	SPIRE PSW (3) Ch09-12 . 12-		SPC.-	-	S142	12AXD-38	42	142-4	C		CVVUCR	33	211121 J027	107	1S 1S
013	SPIRE PSW (3) Ch09-12 . 12gnd		SPC.-	-	S142	12AXD-38	42	142-4	C		CVVUCR	33	211121 J027	036	1S 1S
-															1S
013	SPIRE PSW (3) Ch09-12 . SHD42		SPC.-	-	S142	12AXD-38	42			CIS-S142	CVVUCR	33	211121 J027	036	1S 1S
CH	SPIRE PSW (3) Ch09-12 . COS42		SPC.-	-	S142	12AXD-38	42			COS-S142 con to CH	CVVUCR	33	211121 J027	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														

Pin Allocation List

(Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PSW (3) Ch01-04 . 1+	SPC.-	-		S140	12AXD-38	40	140-1	1		HSJFP	75	121210 P005	001	1S	1S
037	SPIRE PSW (3) Ch01-04 . 1-	SPC.-	-		S140	12AXD-38	40	140-1	1		HSJFP	75	121210 P005	014	1S	1S
036	SPIRE PSW (3) Ch01-04 . 1gnd	SPC.-	-		S140	12AXD-38	40	140-1	1		HSJFP	75	121210 P005	013	1S	1S
-																
038	SPIRE PSW (3) Ch01-04 . 2+	SPC.-	-		S140	12AXD-38	40	140-2	2		HSJFP	75	121210 P005	002	1S	1S
049	SPIRE PSW (3) Ch01-04 . 2-	SPC.-	-		S140	12AXD-38	40	140-2	2		HSJFP	75	121210 P005	015	1S	1S
036	SPIRE PSW (3) Ch01-04 . 2gnd	SPC.-	-		S140	12AXD-38	40	140-2	2		HSJFP	75	121210 P005	013	1S	1S
-																
048	SPIRE PSW (3) Ch01-04 . 3+	SPC.-	-		S140	12AXD-38	40	140-3	3		HSJFP	75	121210 P005	003	1S	1S
060	SPIRE PSW (3) Ch01-04 . 3-	SPC.-	-		S140	12AXD-38	40	140-3	3		HSJFP	75	121210 P005	016	1S	1S
036	SPIRE PSW (3) Ch01-04 . 3gnd	SPC.-	-		S140	12AXD-38	40	140-3	3		HSJFP	75	121210 P005	013	1S	1S
-																
059	SPIRE PSW (3) Ch01-04 . 4+	SPC.-	-		S140	12AXD-38	40	140-4	4		HSJFP	75	121210 P005	004	1S	1S
071	SPIRE PSW (3) Ch01-04 . 4-	SPC.-	-		S140	12AXD-38	40	140-4	4		HSJFP	75	121210 P005	017	1S	1S
036	SPIRE PSW (3) Ch01-04 . 4gnd	SPC.-	-		S140	12AXD-38	40	140-4	4		HSJFP	75	121210 P005	013	1S	1S
-																1S
036	SPIRE PSW (3) Ch01-04 . SHD40	SPC.-	-		S140	12AXD-38	40			CIS-S140	HSJFP	75	121210 P005	013	1S	1S
FCR	SPIRE PSW (3) Ch01-04 . COS40	SPC.-	-		S140	12AXD-38	40			COS-S140 con to FCR	HSJFP	75	121210 P005	CH	1S	1S
-																
050	SPIRE PSW (3) Ch05-08 . 5+	SPC.-	-		S141	12AXD-38	41	141-1	5		HSJFP	75	121210 P005	005	1S	1S
061	SPIRE PSW (3) Ch05-08 . 5-	SPC.-	-		S141	12AXD-38	41	141-1	5		HSJFP	75	121210 P005	018	1S	1S
036	SPIRE PSW (3) Ch05-08 . 5gnd	SPC.-	-		S141	12AXD-38	41	141-1	5		HSJFP	75	121210 P005	013	1S	1S
-																
062	SPIRE PSW (3) Ch05-08 . 6+	SPC.-	-		S141	12AXD-38	41	141-2	6		HSJFP	75	121210 P005	006	1S	1S
051	SPIRE PSW (3) Ch05-08 . 6-	SPC.-	-		S141	12AXD-38	41	141-2	6		HSJFP	75	121210 P005	019	1S	1S
036	SPIRE PSW (3) Ch05-08 . 6gnd	SPC.-	-		S141	12AXD-38	41	141-2	6		HSJFP	75	121210 P005	013	1S	1S
-																
063	SPIRE PSW (3) Ch05-08 . 7+	SPC.-	-		S141	12AXD-38	41	141-3	7		HSJFP	75	121210 P005	020	1S	1S
075	SPIRE PSW (3) Ch05-08 . 7-	SPC.-	-		S141	12AXD-38	41	141-3	7		HSJFP	75	121210 P005	007	1S	1S
036	SPIRE PSW (3) Ch05-08 . 7gnd	SPC.-	-		S141	12AXD-38	41	141-3	7		HSJFP	75	121210 P005	013	1S	1S
-																
074	SPIRE PSW (3) Ch05-08 . 8+	SPC.-	-		S141	12AXD-38	41	141-4	8		HSJFP	75	121210 P005	021	1S	1S
073	SPIRE PSW (3) Ch05-08 . 8-	SPC.-	-		S141	12AXD-38	41	141-4	8		HSJFP	75	121210 P005	008	1S	1S
036	SPIRE PSW (3) Ch05-08 . 8gnd	SPC.-	-		S141	12AXD-38	41	141-4	8		HSJFP	75	121210 P005	013	1S	1S

Pin Allocation List (Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PSW (3) Ch05-08 . SHD41		SPC.-	-	S141	12AXD-38	41			CIS-S141	HSJFP	75	121210 P005	013	1S 1S
FCR	SPIRE PSW (3) Ch05-08 . COS41		SPC.-	-	S141	12AXD-38	41			COS-S141 con to FCR	HSJFP	75	121210 P005	CH	1S 1S
-															
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.-	-	S142	12AXD-38	42	142-1	9		HSJFP	75	121210 P005	022	1S 1S
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.-	-	S142	12AXD-38	42	142-1	9		HSJFP	75	121210 P005	009	1S 1S
036	SPIRE PSW (3) Ch09-12 . 9gnd		SPC.-	-	S142	12AXD-38	42	142-1	9		HSJFP	75	121210 P005	013	1S 1S
-															
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.-	-	S142	12AXD-38	42	142-2	A		HSJFP	75	121210 P005	023	1S 1S
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.-	-	S142	12AXD-38	42	142-2	A		HSJFP	75	121210 P005	010	1S 1S
036	SPIRE PSW (3) Ch09-12 . 10gnd		SPC.-	-	S142	12AXD-38	42	142-2	A		HSJFP	75	121210 P005	013	1S 1S
-															
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.-	-	S142	12AXD-38	42	142-3	B		HSJFP	75	121210 P005	024	1S 1S
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.-	-	S142	12AXD-38	42	142-3	B		HSJFP	75	121210 P005	011	1S 1S
036	SPIRE PSW (3) Ch09-12 . 11gnd		SPC.-	-	S142	12AXD-38	43	142-3	B		HSJFP	75	121210 P005	013	1S 1S
-															
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.-	-	S142	12AXD-38	42	142-4	C		HSJFP	75	121210 P005	025	1S 1S
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.-	-	S142	12AXD-38	42	142-4	C		HSJFP	75	121210 P005	012	1S 1S
036	SPIRE PSW (3) Ch09-12 . 12gnd		SPC.-	-	S142	12AXD-38	42	142-4	C		HSJFP	75	121210 P005	013	1S 1S
036	SPIRE PSW (3) Ch09-12 . SHD42		SPC.-	-	S142	12AXD-38	42			CIS-S142	HSJFP	75	121210 P005	013	1S 1S
FCR	SPIRE PSW (3) Ch09-12 . COS42		SPC.-	-	S142	12AXD-38	42			COS-S142 con to FCR	HSJFP	75	121210 P005	CH	1S 1S
-															
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.-	-	S145	12AXD-38	45	145-1	D		HSJFP	75	121210 P006	001	1S 1S
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.-	-	S145	12AXD-38	45	145-1	D		HSJFP	75	121210 P006	014	1S 1S
128	SPIRE PSW (3) Ch13-16 . 13gnd		SPC.-	-	S145	12AXD-38	45	145-1	D		HSJFP	75	121210 P006	013	1S 1S
-															
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.-	-	S145	12AXD-38	45	145-2	E		HSJFP	75	121210 P006	002	1S 1S
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.-	-	S145	12AXD-38	45	145-2	E		HSJFP	75	121210 P006	015	1S 1S
128	SPIRE PSW (3) Ch13-16 . 14gnd		SPC.-	-	S145	12AXD-38	45	145-2	E		HSJFP	75	121210 P006	013	1S 1S
-															
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.-	-	S145	12AXD-38	45	145-3	F		HSJFP	75	121210 P006	003	1S 1S
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.-	-	S145	12AXD-38	45	145-3	F		HSJFP	75	121210 P006	016	1S 1S
128	SPIRE PSW (3) Ch13-16 . 15gnd		SPC.-	-	S145	12AXD-38	45	145-3	F		HSJFP	75	121210 P006	013	1S 1S
-															

Pin Allocation List (Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
116	SPIRE PSW (3) Ch13-16 . 16+	SPC.-	-		S145	12AXD-38	45	145-4	G		HSJFP	75	121210 P006	004	1S	1S
117	SPIRE PSW (3) Ch13-16 . 16-	SPC.-	-		S145	12AXD-38	45	145-4	G		HSJFP	75	121210 P006	017	1S	1S
128	SPIRE PSW (3) Ch13-16 . 16gnd	SPC.-	-		S145	12AXD-38	45	145-4	G		HSJFP	75	121210 P006	013	1S	1S
-																1S
128	SPIRE PSW (3) Ch13-16 . SHD45	SPC.-	-		S145	12AXD-38	45			CIS-S145	HSJFP	75	121210 P006	013	1S	1S
FCR	SPIRE PSW (3) Ch13-16 . COS45	SPC.-	-		S145	12AXD-38	45			COS-S145 con to FCR	HSJFP	75	121210 P006	CH	1S	1S
-																
055	SPIRE PSW (3) Ch17-20 . 17+	SPC.-	-		S146	12AXD-38	46	146-1	H		HSJFP	75	121210 P006	005	1S	1S
066	SPIRE PSW (3) Ch17-20 . 17-	SPC.-	-		S146	12AXD-38	46	146-1	H		HSJFP	75	121210 P006	018	1S	1S
128	SPIRE PSW (3) Ch17-20 . 17gnd	SPC.-	-		S146	12AXD-38	46	146-1	H		HSJFP	75	121210 P006	013	1S	1S
-																
067	SPIRE PSW (3) Ch17-20 . 18+	SPC.-	-		S146	12AXD-38	46	146-2	H		HSJFP	75	121210 P006	006	1S	1S
078	SPIRE PSW (3) Ch17-20 . 18-	SPC.-	-		S146	12AXD-38	46	146-2	H		HSJFP	75	121210 P006	019	1S	1S
128	SPIRE PSW (3) Ch17-20 . 18gnd	SPC.-	-		S146	12AXD-38	46	146-2	H		HSJFP	75	121210 P006	013	1S	1S
-																
076	SPIRE PSW (3) Ch17-20 . 19+	SPC.-	-		S146	12AXD-38	46	146-3	J		HSJFP	75	121210 P006	020	1S	1S
077	SPIRE PSW (3) Ch17-20 . 19-	SPC.-	-		S146	12AXD-38	46	146-3	J		HSJFP	75	121210 P006	007	1S	1S
128	SPIRE PSW (3) Ch17-20 . 19gnd	SPC.-	-		S146	12AXD-38	46	146-3	J		HSJFP	75	121210 P006	013	1S	1S
-																
088	SPIRE PSW (3) Ch17-20 . 20+	SPC.-	-		S146	12AXD-38	46	146-4	K		HSJFP	75	121210 P006	021	1S	1S
089	SPIRE PSW (3) Ch17-20 . 20-	SPC.-	-		S146	12AXD-38	46	146-4	K		HSJFP	75	121210 P006	008	1S	1S
128	SPIRE PSW (3) Ch17-20 . 20gnd	SPC.-	-		S146	12AXD-38	46	146-4	K		HSJFP	75	121210 P006	013	1S	1S
-																1S
128	SPIRE PSW (3) Ch17-20 . SHD46	SPC.-	-		S146	12AXD-38	46			CIS-S146	HSJFP	75	121210 P006	013	1S	1S
FCR	SPIRE PSW (3) Ch17-20 . COS46	SPC.-	-		S146	12AXD-38	46			COS-S146 con to FCR	HSJFP	75	121210 P006	CH	1S	1S
-																
099	SPIRE PSW (3) Ch21-24 . 21+	SPC.-	-		S147	12AXD-38	47	147-1	L		HSJFP	75	121210 P006	022	1S	1S
100	SPIRE PSW (3) Ch21-24 . 21-	SPC.-	-		S147	12AXD-38	47	147-1	L		HSJFP	75	121210 P006	009	1S	1S
128	SPIRE PSW (3) Ch21-24 . 21gnd	SPC.-	-		S147	12AXD-38	47	147-1	L		HSJFP	75	121210 P006	013	1S	1S
-																
110	SPIRE PSW (3) Ch21-24 . 22+	SPC.-	-		S147	12AXD-38	47	147-2	M		HSJFP	75	121210 P006	023	1S	1S
111	SPIRE PSW (3) Ch21-24 . 22-	SPC.-	-		S147	12AXD-38	47	147-2	M		HSJFP	75	121210 P006	010	1S	1S
128	SPIRE PSW (3) Ch21-24 . 22gnd	SPC.-	-		S147	12AXD-38	47	147-2	M		HSJFP	75	121210 P006	013	1S	1S
-																

Pin Allocation List (Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
118	SPIRE PSW (3) Ch21-24 . 23+	SPC.-	-		S147	12AXD-38	47	147-3	N		HSJFP	75	121210 P006	024	1S	1S
119	SPIRE PSW (3) Ch21-24 . 23-	SPC.-	-		S147	12AXD-38	47	147-3	N		HSJFP	75	121210 P006	011	1S	1S
128	SPIRE PSW (3) Ch21-24 . 23gnd	SPC.-	-		S147	12AXD-38	47	147-3	N		HSJFP	75	121210 P006	013	1S	1S
-																
112	SPIRE PSW (3) Ch21-24 . 24+	SPC.-	-		S147	12AXD-38	47	147-4	P		HSJFP	75	121210 P006	025	1S	1S
120	SPIRE PSW (3) Ch21-24 . 24-	SPC.-	-		S147	12AXD-38	47	147-4	P		HSJFP	75	121210 P006	012	1S	1S
128	SPIRE PSW (3) Ch21-24 . 24gnd	SPC.-	-		S147	12AXD-38	47	147-4	P		HSJFP	75	121210 P006	013	1S	1S
-																1S
128	SPIRE PSW (3) Ch21-24 . SHD47	SPC.-	-		S147	12AXD-38	47			CIS-S147	HSJFP	75	121210 P006	013	1S	1S
FCR	SPIRE PSW (3) Ch21-24 . COS47	SPC.-	-		S147	12AXD-38	47			COS-S147 con to FCR	HSJFP	75	121210 P006	CH	1S	1S
-																
090	SPIRE PSW (4) Ch25-28 . 25+	SPC.-	-		S149	12AXD-38	49	149-1	Q		HSJFP	75	121210 P007	001	1S	1S
079	SPIRE PSW (4) Ch25-28 . 25-	SPC.-	-		S149	12AXD-38	49	149-1	Q		HSJFP	75	121210 P007	014	1S	1S
047	SPIRE PSW (4) Ch25-28 . 25gnd	SPC.-	-		S149	12AXD-38	49	149-1	Q		HSJFP	75	121210 P007	013	1S	1S
-																
102	SPIRE PSW (4) Ch25-28 . 26+	SPC.-	-		S149	12AXD-38	49	149-2	R		HSJFP	75	121210 P007	002	1S	1S
101	SPIRE PSW (4) Ch25-28 . 26-	SPC.-	-		S149	12AXD-38	49	149-2	R		HSJFP	75	121210 P007	015	1S	1S
047	SPIRE PSW (4) Ch25-28 . 26gnd	SPC.-	-		S149	12AXD-38	49	149-2	R		HSJFP	75	121210 P007	013	1S	1S
-																
092	SPIRE PSW (4) Ch25-28 . 27+	SPC.-	-		S149	12AXD-38	49	149-3	S		HSJFP	75	121210 P007	003	1S	1S
091	SPIRE PSW (4) Ch25-28 . 27-	SPC.-	-		S149	12AXD-38	49	149-3	S		HSJFP	75	121210 P007	016	1S	1S
047	SPIRE PSW (4) Ch25-28 . 27gnd	SPC.-	-		S149	12AXD-38	49	149-3	S		HSJFP	75	121210 P007	013	1S	1S
-																
103	SPIRE PSW (4) Ch25-28 . 28+	SPC.-	-		S149	12AXD-38	49	149-4	T		HSJFP	75	121210 P007	004	1S	1S
113	SPIRE PSW (4) Ch25-28 . 28-	SPC.-	-		S149	12AXD-38	49	149-4	T		HSJFP	75	121210 P007	017	1S	1S
047	SPIRE PSW (4) Ch25-28 . 28gnd	SPC.-	-		S149	12AXD-38	49	149-4	T		HSJFP	75	121210 P007	013	1S	1S
-																1S
047	SPIRE PSW (4) Ch25-28 . SHD49	SPC.-	-		S149	12AXD-38	49			CIS-S149	HSJFP	75	121210 P007	013	1S	1S
FCR	SPIRE PSW (4) Ch25-28 . COS49	SPC.-	-		S149	12AXD-38	49			COS-S149 con to FCR	HSJFP	75	121210 P007	CH	1S	1S
-																
058	SPIRE PSW (4) Ch29-32 . 29+	SPC.-	-		S150	12AXD-38	50	150-1	U		HSJFP	75	121210 P007	005	1S	1S
046	SPIRE PSW (4) Ch29-32 . 29-	SPC.-	-		S150	12AXD-38	50	150-1	U		HSJFP	75	121210 P007	018	1S	1S
047	SPIRE PSW (4) Ch29-32 . 29gnd	SPC.-	-		S150	12AXD-38	50	150-1	U		HSJFP	75	121210 P007	013	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.-	-	S150	12AXD-38	50	150-2	V		HSJFP	75	121210 P007	006	1S	1S
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.-	-	S150	12AXD-38	50	150-2	V		HSJFP	75	121210 P007	019	1S	1S
047	SPIRE PSW (4) Ch29-32 . 30gnd		SPC.-	-	S150	12AXD-38	50	150-2	V		HSJFP	75	121210 P007	013	1S	1S
-																
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.-	-	S150	12AXD-38	50	150-3	W		HSJFP	75	121210 P007	020	1S	1S
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.-	-	S150	12AXD-38	50	150-3	W		HSJFP	75	121210 P007	007	1S	1S
047	SPIRE PSW (4) Ch29-32 . 31gnd		SPC.-	-	S150	12AXD-38	50	150-3	W		HSJFP	75	121210 P007	013	1S	1S
-																
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.-	-	S150	12AXD-38	50	150-4	X		HSJFP	75	121210 P007	021	1S	1S
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.-	-	S150	12AXD-38	50	150-4	X		HSJFP	75	121210 P007	008	1S	1S
047	SPIRE PSW (4) Ch29-32 . 32gnd		SPC.-	-	S150	12AXD-38	50	150-4	X		HSJFP	75	121210 P007	013	1S	1S
-																1S
047	SPIRE PSW (4) Ch29-32 . SHD50		SPC.-	-	S150	12AXD-38	50			CIS-S150	HSJFP	75	121210 P007	013	1S	1S
FCR	SPIRE PSW (4) Ch29-32 . COS50		SPC.-	-	S150	12AXD-38	50			COS-S150 con to FCR	HSJFP	75	121210 P007	CH	1S	1S
-																
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.-	-	S151	12AXD-38	51	151-1	Y		HSJFP	75	121210 P007	022	1S	1S
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.-	-	S151	12AXD-38	51	151-1	Y		HSJFP	75	121210 P007	009	1S	1S
047	SPIRE PSW (4) Ch33-36 . 33gnd		SPC.-	-	S151	12AXD-38	51	151-1	Y		HSJFP	75	121210 P007	013	1S	1S
-																
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.-	-	S151	12AXD-38	51	151-2	Z		HSJFP	75	121210 P007	023	1S	1S
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.-	-	S151	12AXD-38	51	151-2	Z		HSJFP	75	121210 P007	010	1S	1S
047	SPIRE PSW (4) Ch33-36 . 34gnd		SPC.-	-	S151	12AXD-38	51	151-2	Z		HSJFP	75	121210 P007	013	1S	1S
-																
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.-	-	S151	12AXD-38	51	151-3	a		HSJFP	75	121210 P007	024	1S	1S
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.-	-	S151	12AXD-38	51	151-3	a		HSJFP	75	121210 P007	011	1S	1S
047	SPIRE PSW (4) Ch33-36 . 35gnd		SPC.-	-	S151	12AXD-38	51	151-3	a		HSJFP	75	121210 P007	013	1S	1S
-																
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.-	-	S151	12AXD-38	51	151-4	b		HSJFP	75	121210 P007	025	1S	1S
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.-	-	S151	12AXD-38	51	151-4	b		HSJFP	75	121210 P007	012	1S	1S
047	SPIRE PSW (4) Ch33-36 . 36gnd		SPC.-	-	S151	12AXD-38	51	151-4	b		HSJFP	75	121210 P007	013	1S	1S
-																1S
047	SPIRE PSW (4) Ch33-36 . SHD51		SPC.-	-	S151	12AXD-38	51			CIS-S151	HSJFP	75	121210 P007	013	1S	1S
FCR	SPIRE PSW (4) Ch33-36 . COS51		SPC.-	-	S151	12AXD-38	51			COS-S151 con to FCR	HSJFP	75	121210 P007	CH	1S	1S
-																

Pin Allocation List (Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
013	SPIRE PSW (4) Ch37-40 . 37+	SPC.-	-		S154	12AXD-38	54	154-1	c		HSJFP	75	121210 P008	001	1S	1S
012	SPIRE PSW (4) Ch37-40 . 37-	SPC.-	-		S154	12AXD-38	54	154-1	c		HSJFP	75	121210 P008	014	1S	1S
004	SPIRE PSW (4) Ch37-40 . 37gnd	SPC.-	-		S154	12AXD-38	54	154-1	c		HSJFP	75	121210 P008	013	1S	1S
-																
021	SPIRE PSW (4) Ch37-40 . 38+	SPC.-	-		S154	12AXD-38	54	154-2	d		HSJFP	75	121210 P008	002	1S	1S
020	SPIRE PSW (4) Ch37-40 . 38-	SPC.-	-		S154	12AXD-38	54	154-2	d		HSJFP	75	121210 P008	015	1S	1S
004	SPIRE PSW (4) Ch37-40 . 38gnd	SPC.-	-		S154	12AXD-38	54	154-2	d		HSJFP	75	121210 P008	013	1S	1S
-																
031	SPIRE PSW (4) Ch37-40 . 39+	SPC.-	-		S154	12AXD-38	54	154-3	e		HSJFP	75	121210 P008	003	1S	1S
043	SPIRE PSW (4) Ch37-40 . 39-	SPC.-	-		S154	12AXD-38	54	154-3	e		HSJFP	75	121210 P008	016	1S	1S
004	SPIRE PSW (4) Ch37-40 . 39gnd	SPC.-	-		S154	12AXD-38	54	154-3	e		HSJFP	75	121210 P008	013	1S	1S
-																
042	SPIRE PSW (4) Ch37-40 . 40+	SPC.-	-		S154	12AXD-38	54	154-4	f		HSJFP	75	121210 P008	004	1S	1S
054	SPIRE PSW (4) Ch37-40 . 40-	SPC.-	-		S154	12AXD-38	54	154-4	f		HSJFP	75	121210 P008	017	1S	1S
004	SPIRE PSW (4) Ch37-40 . 40gnd	SPC.-	-		S154	12AXD-38	54	154-4	f		HSJFP	75	121210 P008	013	1S	1S
-																1S
004	SPIRE PSW (4) Ch37-40 . SHD54	SPC.-	-		S154	12AXD-38	54			CIS-S154	HSJFP	75	121210 P008	013	1S	1S
FCR	SPIRE PSW (4) Ch37-40 . COS54	SPC.-	-		S154	12AXD-38	54			COS-S154 con to FCR	HSJFP	75	121210 P008	CH	1S	1S
-																
010	SPIRE PSW (4) Ch41-44 . 41+	SPC.-	-		S155	12AXD-38	55	155-1	g		HSJFP	75	121210 P008	005	1S	1S
011	SPIRE PSW (4) Ch41-44 . 41-	SPC.-	-		S155	12AXD-38	55	155-1	g		HSJFP	75	121210 P008	018	1S	1S
004	SPIRE PSW (4) Ch41-44 . 41gnd	SPC.-	-		S155	12AXD-38	55	155-1	g		HSJFP	75	121210 P008	013	1S	1S
-																
019	SPIRE PSW (4) Ch41-44 . 42+	SPC.-	-		S155	12AXD-38	55	155-2	h		HSJFP	75	121210 P008	006	1S	1S
029	SPIRE PSW (4) Ch41-44 . 42-	SPC.-	-		S155	12AXD-38	55	155-2	h		HSJFP	75	121210 P008	019	1S	1S
004	SPIRE PSW (4) Ch41-44 . 42gnd	SPC.-	-		S155	12AXD-38	55	155-2	h		HSJFP	75	121210 P008	013	1S	1S
-																
041	SPIRE PSW (4) Ch41-44 . 43+	SPC.-	-		S155	12AXD-38	55	155-3	k		HSJFP	75	121210 P008	020	1S	1S
030	SPIRE PSW (4) Ch41-44 . 43-	SPC.-	-		S155	12AXD-38	55	155-3	k		HSJFP	75	121210 P008	007	1S	1S
004	SPIRE PSW (4) Ch41-44 . 43gnd	SPC.-	-		S155	12AXD-38	55	155-3	k		HSJFP	75	121210 P008	013	1S	1S
-																
053	SPIRE PSW (4) Ch41-44 . 44+	SPC.-	-		S155	12AXD-38	55	155-4	m		HSJFP	75	121210 P008	021	1S	1S
052	SPIRE PSW (4) Ch41-44 . 44-	SPC.-	-		S155	12AXD-38	55	155-4	m		HSJFP	75	121210 P008	008	1S	1S
004	SPIRE PSW (4) Ch41-44 . 44gnd	SPC.-	-		S155	12AXD-38	55	155-4	m		HSJFP	75	121210 P008	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J027**Function / Bundle:** UFThr 257.0° / SIH-XS-08**Conn.-Type:** 197-011P24-35PN (Junct.)**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
004	SPIRE PSW (4) Ch41-44 . SHD55		SPC.-	-	S155	12AXD-38	55			CIS-S155	HSJFP	75	121210 P008	013	1S 1S
FCR	SPIRE PSW (4) Ch41-44 . COS55		SPC.-	-	S155	12AXD-38	55			COS-S155 con to FCR	HSJFP	75	121210 P008	CH	1S 1S
-															
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.-	-	S156	12AXD-38	56	156-1	n		HSJFP	75	121210 P008	022	1S 1S
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.-	-	S156	12AXD-38	56	156-1	n		HSJFP	75	121210 P008	009	1S 1S
004	SPIRE PSW (4) Ch45-48 . 45gnd		SPC.-	-	S156	12AXD-38	56	156-1	n		HSJFP	75	121210 P008	013	1S 1S
-															
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.-	-	S156	12AXD-38	56	156-2	p		HSJFP	75	121210 P008	023	1S 1S
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.-	-	S156	12AXD-38	56	156-2	p		HSJFP	75	121210 P008	010	1S 1S
004	SPIRE PSW (4) Ch45-48 . 46gnd		SPC.-	-	S156	12AXD-38	56	156-2	p		HSJFP	75	121210 P008	013	1S 1S
-															
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.-	-	S156	12AXD-38	56	156-3	r		HSJFP	75	121210 P008	024	1S 1S
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.-	-	S156	12AXD-38	56	156-3	r		HSJFP	75	121210 P008	011	1S 1S
004	SPIRE PSW (4) Ch45-48 . 47gnd		SPC.-	-	S156	12AXD-38	56	156-3	r		HSJFP	75	121210 P008	013	1S 1S
-															
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.-	-	S156	12AXD-38	56	156-4	s		HSJFP	75	121210 P008	025	1S 1S
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.-	-	S156	12AXD-38	56	156-4	s		HSJFP	75	121210 P008	012	1S 1S
004	SPIRE PSW (4) Ch45-48 . 48gnd		SPC.-	-	S156	12AXD-38	56	156-4	s		HSJFP	75	121210 P008	013	1S 1S
-															1S
004	SPIRE PSW (4) Ch45-48 . SHD56		SPC.-	-	S156	12AXD-38	56			CIS-S156	HSJFP	75	121210 P008	013	1S 1S
FCR	SPIRE PSW (4) Ch45-48 . COS56		SPC.-	-	S156	12AXD-38	56			COS-S156 con to FCR	HSJFP	75	121210 P008	CH	1S 1S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S

Pin Allocation List (Harness)

Connector: 211121 J027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
-	CH to be isolated from FCR														1S
-	harness branch to be isolated from s/c structure														
-															1S
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List

(Harness)

Connector: 121210 P004
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW Ch37-40 . 37+	SPC.-	-		S136	12AXD-38	36	136-1	1		CVVUCR	33	211121 J028	013	1S	1S
014	SPIRE PSW Ch37-40 . 37-	SPC.-	-		S136	12AXD-38	36	136-1	1		CVVUCR	33	211121 J028	012	1S	1S
013	SPIRE PSW Ch37-40 . 37gnd	SPC.-	-		S136	12AXD-38	36	136-1	1		CVVUCR	33	211121 J028	004	1S	1S
-																
002	SPIRE PSW Ch37-40 . 38+	SPC.-	-		S136	12AXD-38	36	136-2	2		CVVUCR	33	211121 J028	021	1S	1S
015	SPIRE PSW Ch37-40 . 38-	SPC.-	-		S136	12AXD-38	36	136-2	2		CVVUCR	33	211121 J028	020	1S	1S
013	SPIRE PSW Ch37-40 . 38gnd	SPC.-	-		S136	12AXD-38	36	136-2	2		CVVUCR	33	211121 J028	004	1S	1S
-																
003	SPIRE PSW Ch37-40 . 39+	SPC.-	-		S136	12AXD-38	36	136-3	3		CVVUCR	33	211121 J028	031	1S	1S
016	SPIRE PSW Ch37-40 . 39-	SPC.-	-		S136	12AXD-38	36	136-3	3		CVVUCR	33	211121 J028	043	1S	1S
013	SPIRE PSW Ch37-40 . 39gnd	SPC.-	-		S136	12AXD-38	36	136-3	3		CVVUCR	33	211121 J028	004	1S	1S
-																
004	SPIRE PSW Ch37-40 . 40+	SPC.-	-		S136	12AXD-38	36	136-4	4		CVVUCR	33	211121 J028	042	1S	1S
017	SPIRE PSW Ch37-40 . 40-	SPC.-	-		S136	12AXD-38	36	136-4	4		CVVUCR	33	211121 J028	054	1S	1S
013	SPIRE PSW Ch37-40 . 40gnd	SPC.-	-		S136	12AXD-38	36	136-4	4		CVVUCR	33	211121 J028	004	1S	1S
-																1S
013	SPIRE PSW Ch37-40 . SHD36	SPC.-	-		S136	12AXD-38	36			CIS S136	CVVUCR	33	211121 J028	004	1S	1S
CH	SPIRE PSW Ch37-40 . COS36	SPC.-	-		S136	12AXD-38	36			COS S136 con to CH	CVVUCR	33	211121 J028	FCR	1S	1S
-																
005	SPIRE PSW Ch41-44 . 41+	SPC.-	-		S137	12AXD-38	37	137-1	5		CVVUCR	33	211121 J028	010	1S	1S
018	SPIRE PSW Ch41-44 . 41-	SPC.-	-		S137	12AXD-38	37	137-1	5		CVVUCR	33	211121 J028	011	1S	1S
013	SPIRE PSW Ch41-44 . 41gnd	SPC.-	-		S137	12AXD-38	37	137-1	5		CVVUCR	33	211121 J028	004	1S	1S
-																
006	SPIRE PSW Ch41-44 . 42+	SPC.-	-		S137	12AXD-38	37	137-2	6		CVVUCR	33	211121 J028	019	1S	1S
019	SPIRE PSW Ch41-44 . 42-	SPC.-	-		S137	12AXD-38	37	137-2	6		CVVUCR	33	211121 J028	029	1S	1S
013	SPIRE PSW Ch41-44 . 42gnd	SPC.-	-		S137	12AXD-38	37	137-2	6		CVVUCR	33	211121 J028	004	1S	1S
-																
020	SPIRE PSW Ch41-44 . 43+	SPC.-	-		S137	12AXD-38	37	137-3	7		CVVUCR	33	211121 J028	041	1S	1S
007	SPIRE PSW Ch41-44 . 43-	SPC.-	-		S137	12AXD-38	37	137-3	7		CVVUCR	33	211121 J028	030	1S	1S
013	SPIRE PSW Ch41-44 . 43gnd	SPC.-	-		S137	12AXD-38	37	137-3	7		CVVUCR	33	211121 J028	004	1S	1S
-																
021	SPIRE PSW Ch41-44 . 44+	SPC.-	-		S137	12AXD-38	37	137-4	8		CVVUCR	33	211121 J028	053	1S	1S
008	SPIRE PSW Ch41-44 . 44-	SPC.-	-		S137	12AXD-38	37	137-4	8		CVVUCR	33	211121 J028	052	1S	1S
013	SPIRE PSW Ch41-44 . 44gnd	SPC.-	-		S137	12AXD-38	37	137-4	8		CVVUCR	33	211121 J028	004	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P004
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW Ch41-44 . SHD37		SPC.-	-	S137	12AXD-38	37			CIS S137	CVVUCR	33	211121 J028	004	1S 1S
CH	SPIRE PSW Ch41-44 . COS37		SPC.-	-	S137	12AXD-38	37			COS-S137 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
022	SPIRE PSW Ch45-48 . 45+		SPC.-	-	S138	12AXD-38	38	138-1	9		CVVUCR	33	211121 J028	009	1S 1S
009	SPIRE PSW Ch45-48 . 45-		SPC.-	-	S138	12AXD-38	38	138-1	9		CVVUCR	33	211121 J028	017	1S 1S
013	SPIRE PSW Ch45-48 . 45gnd		SPC.-	-	S138	12AXD-38	38	138-1	9		CVVUCR	33	211121 J028	004	1S 1S
-															
023	SPIRE PSW Ch45-48 . 46+		SPC.-	-	S138	12AXD-38	38	138-2	A		CVVUCR	33	211121 J028	018	1S 1S
010	SPIRE PSW Ch45-48 . 46-		SPC.-	-	S138	12AXD-38	38	138-2	A		CVVUCR	33	211121 J028	028	1S 1S
013	SPIRE PSW Ch45-48 . 46gnd		SPC.-	-	S138	12AXD-38	38	138-2	A		CVVUCR	33	211121 J028	004	1S 1S
-															
024	SPIRE PSW Ch45-48 . 47+		SPC.-	-	S138	12AXD-38	38	138-3	B		CVVUCR	33	211121 J028	016	1S 1S
011	SPIRE PSW Ch45-48 . 47-		SPC.-	-	S138	12AXD-38	38	138-3	B		CVVUCR	33	211121 J028	027	1S 1S
013	SPIRE PSW Ch45-48 . 47gnd		SPC.-	-	S138	12AXD-38	38	138-3	B		CVVUCR	33	211121 J028	004	1S 1S
-															
025	SPIRE PSW Ch45-48 . 48+		SPC.-	-	S138	12AXD-38	38	138-4	C		CVVUCR	33	211121 J028	040	1S 1S
012	SPIRE PSW Ch45-48 . 48-		SPC.-	-	S138	12AXD-38	38	138-4	C		CVVUCR	33	211121 J028	039	1S 1S
013	SPIRE PSW Ch45-48 . 48gnd		SPC.-	-	S138	12AXD-38	38	138-4	C		CVVUCR	33	211121 J028	004	1S 1S
-															1S
013	SPIRE PSW Ch45-48 . SHD38		SPC.-	-	S138	12AXD-38	38			CIS S138	CVVUCR	33	211121 J028	004	1S 1S
CH	SPIRE PSW Ch45-48 . COS38		SPC.-	-	S138	12AXD-38	38			COS S138 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															1S
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List (Harness)

Connector: 121210 P003
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW Ch25-28 . 25+	SPC.-	-		S131	12AXD-38	31	131-1	1		CVVUCR	33	211121 J028	090	1S	1S
014	SPIRE PSW Ch25-28 . 25-	SPC.-	-		S131	12AXD-38	31	131-1	1		CVVUCR	33	211121 J028	079	1S	1S
013	SPIRE PSW Ch25-28 . 25gnd	SPC.-	-		S131	12AXD-38	31	131-1	1		CVVUCR	33	211121 J028	047	1S	1S
-																
002	SPIRE PSW Ch25-28 . 26+	SPC.-	-		S131	12AXD-38	31	131-2	2		CVVUCR	33	211121 J028	102	1S	1S
015	SPIRE PSW Ch25-28 . 26-	SPC.-	-		S131	12AXD-38	31	131-2	2		CVVUCR	33	211121 J028	101	1S	1S
013	SPIRE PSW Ch25-28 . 26gnd	SPC.-	-		S131	12AXD-38	31	131-2	2		CVVUCR	33	211121 J028	047	1S	1S
-																
003	SPIRE PSW Ch25-28 . 27+	SPC.-	-		S131	12AXD-38	31	131-3	3		CVVUCR	33	211121 J028	092	1S	1S
016	SPIRE PSW Ch25-28 . 27-	SPC.-	-		S131	12AXD-38	31	131-3	3		CVVUCR	33	211121 J028	091	1S	1S
013	SPIRE PSW Ch25-28 . 27gnd	SPC.-	-		S131	12AXD-38	31	131-3	3		CVVUCR	33	211121 J028	047	1S	1S
-																
004	SPIRE PSW Ch25-28 . 28+	SPC.-	-		S131	12AXD-38	31	131-4	4		CVVUCR	33	211121 J028	103	1S	1S
017	SPIRE PSW Ch25-28 . 28-	SPC.-	-		S131	12AXD-38	31	131-4	4		CVVUCR	33	211121 J028	113	1S	1S
013	SPIRE PSW Ch25-28 . 28gnd	SPC.-	-		S131	12AXD-38	31	131-4	4		CVVUCR	33	211121 J028	047	1S	1S
-																1S
013	SPIRE PSW Ch25-28 . SHD31	SPC.-	-		S131	12AXD-38	31			CIS S131	CVVUCR	33	211121 J028	047	1S	1S
CH	SPIRE PSW Ch25-28 . COS31	SPC.-	-		S131	12AXD-38	31			COS S131 con to CH	CVVUCR	33	211121 J028	FGR	1S	1S
-																
005	SPIRE PSW Ch29-32 . 29+	SPC.-	-		S132	12AXD-38	32	132-1	5		CVVUCR	33	211121 J028	058	1S	1S
018	SPIRE PSW Ch29-32 . 29-	SPC.-	-		S132	12AXD-38	32	132-1	5		CVVUCR	33	211121 J028	046	1S	1S
013	SPIRE PSW Ch29-32 . 29gnd	SPC.-	-		S132	12AXD-38	32	132-1	5		CVVUCR	33	211121 J028	047	1S	1S
-																
006	SPIRE PSW Ch29-32 . 30+	SPC.-	-		S132	12AXD-38	32	132-2	6		CVVUCR	33	211121 J028	068	1S	1S
019	SPIRE PSW Ch29-32 . 30-	SPC.-	-		S132	12AXD-38	32	132-2	6		CVVUCR	33	211121 J028	057	1S	1S
013	SPIRE PSW Ch29-32 . 30gnd	SPC.-	-		S132	12AXD-38	32	132-2	6		CVVUCR	33	211121 J028	047	1S	1S
-																
020	SPIRE PSW Ch29-32 . 31+	SPC.-	-		S132	12AXD-38	32	132-3	7		CVVUCR	33	211121 J028	069	1S	1S
007	SPIRE PSW Ch29-32 . 31-	SPC.-	-		S132	12AXD-38	32	132-3	7		CVVUCR	33	211121 J028	080	1S	1S
013	SPIRE PSW Ch29-32 . 31gnd	SPC.-	-		S132	12AXD-38	32	132-3	7		CVVUCR	33	211121 J028	047	1S	1S
-																
021	SPIRE PSW Ch29-32 . 32+	SPC.-	-		S132	12AXD-38	32	132-4	8		CVVUCR	33	211121 J028	070	1S	1S
008	SPIRE PSW Ch29-32 . 32-	SPC.-	-		S132	12AXD-38	32	132-4	8		CVVUCR	33	211121 J028	081	1S	1S
013	SPIRE PSW Ch29-32 . 32gnd	SPC.-	-		S132	12AXD-38	32	132-4	8		CVVUCR	33	211121 J028	047	1S	1S

Pin Allocation List

(Harness)

Connector: 121210 P003**Function / Bundle:** SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09**Conn.-Type:** MWDM2L-25S-6C3-.630**Item:** HSJFP**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW Ch29-32 . SHD32		SPC.-	-	S132	12AXD-38	32			CIS S132	CVVUCR	33	211121 J028	047	1S 1S
CH	SPIRE PSW Ch29-32 . COS32		SPC.-	-	S132	12AXD-38	32			COS S132 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
022	SPIRE PSW Ch33-36 . 33+		SPC.-	-	S133	12AXD-38	33	133-1	9		CVVUCR	33	211121 J028	023	1S 1S
009	SPIRE PSW Ch33-36 . 33-		SPC.-	-	S133	12AXD-38	33	133-1	9		CVVUCR	33	211121 J028	034	1S 1S
013	SPIRE PSW Ch33-36 . 33gnd		SPC.-	-	S133	12AXD-38	33	133-1	9		CVVUCR	33	211121 J028	047	1S 1S
-															
023	SPIRE PSW Ch33-36 . 34+		SPC.-	-	S133	12AXD-38	33	133-2	A		CVVUCR	33	211121 J028	033	1S 1S
010	SPIRE PSW Ch33-36 . 34-		SPC.-	-	S133	12AXD-38	33	133-2	A		CVVUCR	33	211121 J028	045	1S 1S
013	SPIRE PSW Ch33-36 . 34gnd		SPC.-	-	S133	12AXD-38	33	133-2	A		CVVUCR	33	211121 J028	047	1S 1S
-															
024	SPIRE PSW Ch33-36 . 35+		SPC.-	-	S133	12AXD-38	33	133-3	B		CVVUCR	33	211121 J028	044	1S 1S
011	SPIRE PSW Ch33-36 . 35-		SPC.-	-	S133	12AXD-38	33	133-3	B		CVVUCR	33	211121 J028	056	1S 1S
013	SPIRE PSW Ch33-36 . 35gnd		SPC.-	-	S133	12AXD-38	33	133-3	B		CVVUCR	33	211121 J028	047	1S 1S
-															
025	SPIRE PSW Ch33-36 . 36+		SPC.-	-	S133	12AXD-38	33	133-4	C		CVVUCR	33	211121 J028	022	1S 1S
012	SPIRE PSW Ch33-36 . 36-		SPC.-	-	S133	12AXD-38	33	133-4	C		CVVUCR	33	211121 J028	032	1S 1S
013	SPIRE PSW Ch33-36 . 36gnd		SPC.-	-	S133	12AXD-38	33	133-4	C		CVVUCR	33	211121 J028	047	1S 1S
-															1S
013	SPIRE PSW Ch33-36 . SHD33		SPC.-	-	S133	12AXD-38	33			CIS S133	CVVUCR	33	211121 J028	047	1S 1S
CH	SPIRE PSW Ch33-36 . COS33		SPC.-	-	S133	12AXD-38	33			COS S133 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List

(Harness)

Connector: 121210 P002
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW Ch13-16 . 13+	SPC.-	-		S127	12AXD-38	27	127-1	1		CVVUCR	33	211121 J028	086	1S	1S
014	SPIRE PSW Ch13-16 . 13-	SPC.-	-		S127	12AXD-38	27	127-1	1		CVVUCR	33	211121 J028	087	1S	1S
013	SPIRE PSW Ch13-16 . 13gnd	SPC.-	-		S127	12AXD-38	27	127-1	1		CVVUCR	33	211121 J028	128	1S	1S
-																
002	SPIRE PSW Ch13-16 . 14+	SPC.-	-		S127	12AXD-38	27	127-2	2		CVVUCR	33	211121 J028	097	1S	1S
015	SPIRE PSW Ch13-16 . 14-	SPC.-	-		S127	12AXD-38	27	127-2	2		CVVUCR	33	211121 J028	098	1S	1S
013	SPIRE PSW Ch13-16 . 14gnd	SPC.-	-		S127	12AXD-38	27	127-2	2		CVVUCR	33	211121 J028	128	1S	1S
-																
003	SPIRE PSW Ch13-16 . 15+	SPC.-	-		S127	12AXD-38	27	127-3	3		CVVUCR	33	211121 J028	108	1S	1S
016	SPIRE PSW Ch13-16 . 15-	SPC.-	-		S127	12AXD-38	27	127-3	3		CVVUCR	33	211121 J028	109	1S	1S
013	SPIRE PSW Ch13-16 . 15gnd	SPC.-	-		S127	12AXD-38	27	127-3	3		CVVUCR	33	211121 J028	128	1S	1S
-																
004	SPIRE PSW Ch13-16 . 16+	SPC.-	-		S127	12AXD-38	27	127-4	4		CVVUCR	33	211121 J028	116	1S	1S
017	SPIRE PSW Ch13-16 . 16-	SPC.-	-		S127	12AXD-38	27	127-4	4		CVVUCR	33	211121 J028	117	1S	1S
013	SPIRE PSW Ch13-16 . 16gnd	SPC.-	-		S127	12AXD-38	27	127-4	4		CVVUCR	33	211121 J028	128	1S	1S
-																1S
013	SPIRE PSW Ch13-16 . SHD27	SPC.-	-		S127	12AXD-38	27			CIS S127	CVVUCR	33	211121 J028	128	1S	1S
CH	SPIRE PSW Ch13-16 . COS27	SPC.-	-		S127	12AXD-38	27			COS S127 con to CH	CVVUCR	33	211121 J028	FCR	1S	1S
-																
005	SPIRE PSW Ch17-20 . 17+	SPC.-	-		S128	12AXD-38	28	128-1	5		CVVUCR	33	211121 J028	055	1S	1S
018	SPIRE PSW Ch17-20 . 17-	SPC.-	-		S128	12AXD-38	28	128-1	5		CVVUCR	33	211121 J028	066	1S	1S
013	SPIRE PSW Ch17-20 . 17gnd	SPC.-	-		S128	12AXD-38	28	128-1	5		CVVUCR	33	211121 J028	128	1S	1S
-																
006	SPIRE PSW Ch17-20 . 18+	SPC.-	-		S128	12AXD-38	28	128-2	6		CVVUCR	33	211121 J028	067	1S	1S
019	SPIRE PSW Ch17-20 . 18-	SPC.-	-		S128	12AXD-38	28	128-2	6		CVVUCR	33	211121 J028	078	1S	1S
013	SPIRE PSW Ch17-20 . 18gnd	SPC.-	-		S128	12AXD-38	28	128-2	6		CVVUCR	33	211121 J028	128	1S	1S
-																
020	SPIRE PSW Ch17-20 . 19+	SPC.-	-		S128	12AXD-38	28	128-3	7		CVVUCR	33	211121 J028	076	1S	1S
007	SPIRE PSW Ch17-20 . 19-	SPC.-	-		S128	12AXD-38	28	128-3	7		CVVUCR	33	211121 J028	077	1S	1S
013	SPIRE PSW Ch17-20 . 19gnd	SPC.-	-		S128	12AXD-38	28	128-3	7		CVVUCR	33	211121 J028	128	1S	1S
-																
021	SPIRE PSW Ch17-20 . 20+	SPC.-	-		S128	12AXD-38	28	128-4	8		CVVUCR	33	211121 J028	088	1S	1S
008	SPIRE PSW Ch17-20 . 20-	SPC.-	-		S128	12AXD-38	28	128-4	8		CVVUCR	33	211121 J028	089	1S	1S
013	SPIRE PSW Ch17-20 . 20gnd	SPC.-	-		S128	12AXD-38	28	128-4	8		CVVUCR	33	211121 J028	128	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P002
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW Ch17-20 . SHD28		SPC.-	-	S128	12AXD-38	28			CIS S128	CVVUCR	33	211121 J028	128	1S 1S
CH	SPIRE PSW Ch17-20 . COS28		SPC.-	-	S128	12AXD-38	28			COS S128 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
022	SPIRE PSW Ch21-24 . 21+		SPC.-	-	S129	12AXD-38	29	129-1	9		CVVUCR	33	211121 J028	099	1S 1S
009	SPIRE PSW Ch21-24 . 21-		SPC.-	-	S129	12AXD-38	29	129-1	9		CVVUCR	33	211121 J028	100	1S 1S
013	SPIRE PSW Ch21-24 . 21gnd		SPC.-	-	S129	12AXD-38	29	129-1	9		CVVUCR	33	211121 J028	128	1S 1S
-															
023	SPIRE PSW Ch21-24 . 22+		SPC.-	-	S129	12AXD-38	29	129-2	A		CVVUCR	33	211121 J028	110	1S 1S
010	SPIRE PSW Ch21-24 . 22-		SPC.-	-	S129	12AXD-38	29	129-2	A		CVVUCR	33	211121 J028	111	1S 1S
013	SPIRE PSW Ch21-24 . 22gnd		SPC.-	-	S129	12AXD-38	29	129-2	A		CVVUCR	33	211121 J028	128	1S 1S
-															
024	SPIRE PSW Ch21-24 . 23+		SPC.-	-	S129	12AXD-38	29	129-3	B		CVVUCR	33	211121 J028	118	1S 1S
011	SPIRE PSW Ch21-24 . 23-		SPC.-	-	S129	12AXD-38	29	129-3	B		CVVUCR	33	211121 J028	119	1S 1S
013	SPIRE PSW Ch21-24 . 23gnd		SPC.-	-	S129	12AXD-38	29	129-3	B		CVVUCR	33	211121 J028	128	1S 1S
-															
025	SPIRE PSW Ch21-24 . 24+		SPC.-	-	S129	12AXD-38	29	129-4	C		CVVUCR	33	211121 J028	112	1S 1S
012	SPIRE PSW Ch21-24 . 24-		SPC.-	-	S129	12AXD-38	29	129-4	C		CVVUCR	33	211121 J028	120	1S 1S
013	SPIRE PSW Ch21-24 . 24gnd		SPC.-	-	S129	12AXD-38	29	129-4	C		CVVUCR	33	211121 J028	128	1S 1S
-															1S
013	SPIRE PSW Ch21-24 . SHD29		SPC.-	-	S129	12AXD-38	29			CIS S129	CVVUCR	33	211121 J028	128	1S 1S
CH	SPIRE PSW Ch21-24 . COS29		SPC.-	-	S129	12AXD-38	29			COS S129 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S

Pin Allocation List (Harness)

Connector: 121210 P001
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW Ch01-04 . 1+	SPC.-	-		S122	12AXD-38	1	122-1	1		CVVUCR	33	211121 J028	026	1S	1S
014	SPIRE PSW Ch01-04 . 1-	SPC.-	-		S122	12AXD-38	1	122-1	1		CVVUCR	33	211121 J028	037	1S	1S
013	SPIRE PSW Ch01-04 . 1gnd	SPC.-	-		S122	12AXD-38	1	122-1	1		CVVUCR	33	211121 J028	036	1S	1S
-																
002	SPIRE PSW Ch01-04 . 2+	SPC.-	-		S122	12AXD-38	1	122-2	2		CVVUCR	33	211121 J028	038	1S	1S
015	SPIRE PSW Ch01-04 . 2-	SPC.-	-		S122	12AXD-38	1	122-2	2		CVVUCR	33	211121 J028	049	1S	1S
013	SPIRE PSW Ch01-04 . 2gnd	SPC.-	-		S122	12AXD-38	1	122-2	2		CVVUCR	33	211121 J028	036	1S	1S
-																
003	SPIRE PSW Ch01-04 . 3+	SPC.-	-		S122	12AXD-38	1	122-3	3		CVVUCR	33	211121 J028	048	1S	1S
016	SPIRE PSW Ch01-04 . 3-	SPC.-	-		S122	12AXD-38	1	122-3	3		CVVUCR	33	211121 J028	060	1S	1S
013	SPIRE PSW Ch01-04 . 3gnd	SPC.-	-		S122	12AXD-38	1	122-3	3		CVVUCR	33	211121 J028	036	1S	1S
-																
004	SPIRE PSW Ch01-04 . 4+	SPC.-	-		S122	12AXD-38	1	122-4	4		CVVUCR	33	211121 J028	059	1S	1S
017	SPIRE PSW Ch01-04 . 4-	SPC.-	-		S122	12AXD-38	1	122-4	4		CVVUCR	33	211121 J028	071	1S	1S
013	SPIRE PSW Ch01-04 . 4gnd	SPC.-	-		S122	12AXD-38	1	122-4	4		CVVUCR	33	211121 J028	036	1S	1S
-																1S
013	SPIRE PSW Ch01-04 . SHD22	SPC.-	-		S122	12AXD-38	1			CIS S122	CVVUCR	33	211121 J028	036	1S	1S
CH	SPIRE PSW Ch01-04 . COS22	SPC.-	-		S122	12AXD-38	1			COS S122 con to CH	CVVUCR	33	211121 J028	FCR	1S	1S
-																
005	SPIRE PSW Ch05-08 . 5+	SPC.-	-		S123	12AXD-38	2	123-1	5		CVVUCR	33	211121 J028	050	1S	1S
018	SPIRE PSW Ch05-08 . 5-	SPC.-	-		S123	12AXD-38	2	123-1	5		CVVUCR	33	211121 J028	061	1S	1S
013	SPIRE PSW Ch05-08 . 5gnd	SPC.-	-		S123	12AXD-38	2	123-1	5		CVVUCR	33	211121 J028	036	1S	1S
-																
006	SPIRE PSW Ch05-08 . 6+	SPC.-	-		S123	12AXD-38	2	123-2	6		CVVUCR	33	211121 J028	062	1S	1S
019	SPIRE PSW Ch05-08 . 6-	SPC.-	-		S123	12AXD-38	2	123-2	6		CVVUCR	33	211121 J028	051	1S	1S
013	SPIRE PSW Ch05-08 . 6gnd	SPC.-	-		S123	12AXD-38	2	123-2	6		CVVUCR	33	211121 J028	036	1S	1S
-																
020	SPIRE PSW Ch05-08 . 7+	SPC.-	-		S123	12AXD-38	2	123-3	7		CVVUCR	33	211121 J028	063	1S	1S
007	SPIRE PSW Ch05-08 . 7-	SPC.-	-		S123	12AXD-38	2	123-3	7		CVVUCR	33	211121 J028	075	1S	1S
013	SPIRE PSW Ch05-08 . 7gnd	SPC.-	-		S123	12AXD-38	2	123-3	7		CVVUCR	33	211121 J028	036	1S	1S
-																
021	SPIRE PSW Ch05-08 . 8+	SPC.-	-		S123	12AXD-38	2	123-4	8		CVVUCR	33	211121 J028	074	1S	1S
008	SPIRE PSW Ch05-08 . 8-	SPC.-	-		S123	12AXD-38	2	123-4	8		CVVUCR	33	211121 J028	073	1S	1S
013	SPIRE PSW Ch05-08 . 8gnd	SPC.-	-		S123	12AXD-38	2	123-4	8		CVVUCR	33	211121 J028	036	1S	1S

Pin Allocation List (Harness)

Connector: 121210 P001
Item: HSJFP

Function / Bundle: SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09

Conn.-Type: MWDM2L-25S-6C3-.630
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
013	SPIRE PSW Ch05-08 . SHD23		SPC.-	-	S123	12AXD-38	2			CIS S123	CVVUCR	33	211121 J028	036	1S 1S
CH	SPIRE PSW Ch05-08 . COS23		SPC.-	-	S123	12AXD-38	2			COS S123 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
022	SPIRE PSW Ch09-12 . 9+		SPC.-	-	S124	12AXD-38	3	124-1	9		CVVUCR	33	211121 J028	083	1S 1S
009	SPIRE PSW Ch09-12 . 9-		SPC.-	-	S124	12AXD-38	3	124-1	9		CVVUCR	33	211121 J028	072	1S 1S
013	SPIRE PSW Ch09-12 . 9gnd		SPC.-	-	S124	12AXD-38	3	124-1	9		CVVUCR	33	211121 J028	036	1S 1S
-															
023	SPIRE PSW Ch09-12 . 10+		SPC.-	-	S124	12AXD-38	3	124-2	A		CVVUCR	33	211121 J028	095	1S 1S
010	SPIRE PSW Ch09-12 . 10-		SPC.-	-	S124	12AXD-38	3	124-2	A		CVVUCR	33	211121 J028	084	1S 1S
013	SPIRE PSW Ch09-12 . 10gnd		SPC.-	-	S124	12AXD-38	3	124-2	A		CVVUCR	33	211121 J028	036	1S 1S
-															
024	SPIRE PSW Ch09-12 . 11+		SPC.-	-	S124	12AXD-38	3	124-3	B		CVVUCR	33	211121 J028	096	1S 1S
011	SPIRE PSW Ch09-12 . 11-		SPC.-	-	S124	12AXD-38	3	124-3	B		CVVUCR	33	211121 J028	085	1S 1S
013	SPIRE PSW Ch09-12 . 11gnd		SPC.-	-	S124	12AXD-38	3	124-3	B		CVVUCR	33	211121 J028	036	1S 1S
-															
025	SPIRE PSW Ch09-12 . 12+		SPC.-	-	S124	12AXD-38	3	124-4	C		CVVUCR	33	211121 J028	106	1S 1S
012	SPIRE PSW Ch09-12 . 12-		SPC.-	-	S124	12AXD-38	3	124-4	C		CVVUCR	33	211121 J028	107	1S 1S
013	SPIRE PSW Ch09-12 . 12gnd		SPC.-	-	S124	12AXD-38	3	124-4	C		CVVUCR	33	211121 J028	036	1S 1S
-															1S
013	SPIRE PSW Ch09-12 . SHD24		SPC.-	-	S124	12AXD-38	3			CIS S124	CVVUCR	33	211121 J028	036	1S 1S
CH	SPIRE PSW Ch09-12 . COS24		SPC.-	-	S124	12AXD-38	3			COS S124 con to CH	CVVUCR	33	211121 J028	FCR	1S 1S
-															
-	harness branch to be isolated from s/c structure														1S
-															1S

Pin Allocation List

(Harness)

Connector: 211121 J028

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PSW Ch01-04 . 1+	SPC.-	-		S122	12AXD-38	22	122-1	1		HSJFP	75	121210 P001	001	1S	1S
037	SPIRE PSW Ch01-04 . 1-	SPC.-	-		S122	12AXD-38	22	122-1	1		HSJFP	75	121210 P001	014	1S	1S
036	SPIRE PSW Ch01-04 . 1gnd	SPC.-	-		S122	12AXD-38	22	122-1	1		HSJFP	75	121210 P001	013	1S	1S
-																
038	SPIRE PSW Ch01-04 . 2+	SPC.-	-		S122	12AXD-38	22	122-2	2		HSJFP	75	121210 P001	002	1S	1S
049	SPIRE PSW Ch01-04 . 2-	SPC.-	-		S122	12AXD-38	22	122-2	2		HSJFP	75	121210 P001	015	1S	1S
036	SPIRE PSW Ch01-04 . 2gnd	SPC.-	-		S122	12AXD-38	22	122-2	2		HSJFP	75	121210 P001	013	1S	1S
-																
048	SPIRE PSW Ch01-04 . 3+	SPC.-	-		S122	12AXD-38	22	122-3	3		HSJFP	75	121210 P001	003	1S	1S
060	SPIRE PSW Ch01-04 . 3-	SPC.-	-		S122	12AXD-38	22	122-3	3		HSJFP	75	121210 P001	016	1S	1S
036	SPIRE PSW Ch01-04 . 3gnd	SPC.-	-		S122	12AXD-38	22	122-3	3		HSJFP	75	121210 P001	013	1S	1S
-																
059	SPIRE PSW Ch01-04 . 4+	SPC.-	-		S122	12AXD-38	22	122-4	4		HSJFP	75	121210 P001	004	1S	1S
071	SPIRE PSW Ch01-04 . 4-	SPC.-	-		S122	12AXD-38	22	122-4	4		HSJFP	75	121210 P001	017	1S	1S
036	SPIRE PSW Ch01-04 . 4gnd	SPC.-	-		S122	12AXD-38	22	122-4	4		HSJFP	75	121210 P001	013	1S	1S
-																1S
036	SPIRE PSW Ch01-04 . SHD22	SPC.-	-		S122	12AXD-38	22			CIS-S122	HSJFP	75	121210 P001	013	1S	1S
FCR	SPIRE PSW Ch01-04 . COS22	SPC.-	-		S122	12AXD-38	22			COS-122 con to FCR	HSJFP	75	121210 P001	CH	1S	1S
-																
050	SPIRE PSW Ch05-08 . 5+	SPC.-	-		S123	12AXD-38	23	123-1	5		HSJFP	75	121210 P001	005	1S	1S
061	SPIRE PSW Ch05-08 . 5-	SPC.-	-		S123	12AXD-38	23	123-1	5		HSJFP	75	121210 P001	018	1S	1S
036	SPIRE PSW Ch05-08 . 5gnd	SPC.-	-		S123	12AXD-38	23	123-1	5		HSJFP	75	121210 P001	013	1S	1S
-																
062	SPIRE PSW Ch05-08 . 6+	SPC.-	-		S123	12AXD-38	23	123-2	6		HSJFP	75	121210 P001	006	1S	1S
051	SPIRE PSW Ch05-08 . 6-	SPC.-	-		S123	12AXD-38	23	123-2	6		HSJFP	75	121210 P001	019	1S	1S
036	SPIRE PSW Ch05-08 . 6gnd	SPC.-	-		S123	12AXD-38	23	123-2	6		HSJFP	75	121210 P001	013	1S	1S
-																
063	SPIRE PSW Ch05-08 . 7+	SPC.-	-		S123	12AXD-38	23	123-3	7		HSJFP	75	121210 P001	020	1S	1S
075	SPIRE PSW Ch05-08 . 7-	SPC.-	-		S123	12AXD-38	23	123-3	7		HSJFP	75	121210 P001	007	1S	1S
036	SPIRE PSW Ch05-08 . 7gnd	SPC.-	-		S123	12AXD-38	23	123-3	7		HSJFP	75	121210 P001	013	1S	1S
-																
074	SPIRE PSW Ch05-08 . 8+	SPC.-	-		S123	12AXD-38	23	123-4	8		HSJFP	75	121210 P001	021	1S	1S
073	SPIRE PSW Ch05-08 . 8-	SPC.-	-		S123	12AXD-38	23	123-4	8		HSJFP	75	121210 P001	008	1S	1S
036	SPIRE PSW Ch05-08 . 8gnd	SPC.-	-		S123	12AXD-38	23	123-4	8		HSJFP	75	121210 P001	013	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
036	SPIRE PSW Ch05-08 . SHD23		SPC.-	-	S123	12AXD-38	23			CIS-S123	HSJFP	75	121210 P001	013	1S 1S
FCR	SPIRE PSW Ch05-08 . COS23		SPC.-	-	S123	12AXD-38	23			COS S123 con to FCR	HSJFP	75	121210 P001	CH	1S 1S
-															
083	SPIRE PSW Ch09-12 . 9+		SPC.-	-	S124	12AXD-38	24	124-1	9		HSJFP	75	121210 P001	022	1S 1S
072	SPIRE PSW Ch09-12 . 9-		SPC.-	-	S124	12AXD-38	24	124-1	9		HSJFP	75	121210 P001	009	1S 1S
036	SPIRE PSW Ch09-12 . 9gnd		SPC.-	-	S124	12AXD-38	24	124-1	9		HSJFP	75	121210 P001	013	1S 1S
-															
095	SPIRE PSW Ch09-12 . 10+		SPC.-	-	S124	12AXD-38	24	124-2	A		HSJFP	75	121210 P001	023	1S 1S
084	SPIRE PSW Ch09-12 . 10-		SPC.-	-	S124	12AXD-38	24	124-2	A		HSJFP	75	121210 P001	010	1S 1S
036	SPIRE PSW Ch09-12 . 10gnd		SPC.-	-	S124	12AXD-38	24	124-2	A		HSJFP	75	121210 P001	013	1S 1S
-															
096	SPIRE PSW Ch09-12 . 11+		SPC.-	-	S124	12AXD-38	24	124-3	B		HSJFP	75	121210 P001	024	1S 1S
085	SPIRE PSW Ch09-12 . 11-		SPC.-	-	S124	12AXD-38	24	124-3	B		HSJFP	75	121210 P001	011	1S 1S
036	SPIRE PSW Ch09-12 . 11gnd		SPC.-	-	S124	12AXD-38	24	124-3	B		HSJFP	75	121210 P001	013	1S 1S
-															
106	SPIRE PSW Ch09-12 . 12+		SPC.-	-	S124	12AXD-38	24	124-4	C		HSJFP	75	121210 P001	025	1S 1S
107	SPIRE PSW Ch09-12 . 12-		SPC.-	-	S124	12AXD-38	24	124-4	C		HSJFP	75	121210 P001	012	1S 1S
036	SPIRE PSW Ch09-12 . 12gnd		SPC.-	-	S124	12AXD-38	24	124-4	C		HSJFP	75	121210 P001	013	1S 1S
-															1S
036	SPIRE PSW Ch09-12 . SHD24		SPC.-	-	S124	12AXD-38	24			CIS-S124	HSJFP	75	121210 P001	013	1S 1S
FCR	SPIRE PSW Ch09-12 . COS24		SPC.-	-	S124	12AXD-38	24			COS-S124 con to FCR	HSJFP	75	121210 P001	CH	1S 1S
-															
086	SPIRE PSW Ch13-16 . 13+		SPC.-	-	S127	12AXD-38	27	127-1	D		HSJFP	75	121210 P002	001	1S 1S
087	SPIRE PSW Ch13-16 . 13-		SPC.-	-	S127	12AXD-38	27	127-1	D		HSJFP	75	121210 P002	014	1S 1S
128	SPIRE PSW Ch13-16 . 13gnd		SPC.-	-	S127	12AXD-38	27	127-1	D		HSJFP	75	121210 P002	013	1S 1S
-															
097	SPIRE PSW Ch13-16 . 14+		SPC.-	-	S127	12AXD-38	27	127-2	E		HSJFP	75	121210 P002	002	1S 1S
098	SPIRE PSW Ch13-16 . 14-		SPC.-	-	S127	12AXD-38	27	127-2	E		HSJFP	75	121210 P002	015	1S 1S
128	SPIRE PSW Ch13-16 . 14gnd		SPC.-	-	S127	12AXD-38	27	127-2	E		HSJFP	75	121210 P002	013	1S 1S
-															
108	SPIRE PSW Ch13-16 . 15+		SPC.-	-	S127	12AXD-38	27	127-3	F		HSJFP	75	121210 P002	003	1S 1S
109	SPIRE PSW Ch13-16 . 15-		SPC.-	-	S127	12AXD-38	27	127-3	F		HSJFP	75	121210 P002	016	1S 1S
128	SPIRE PSW Ch13-16 . 15gnd		SPC.-	-	S127	12AXD-38	27	127-3	F		HSJFP	75	121210 P002	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
116	SPIRE PSW Ch13-16 . 16+	SPC.-	-		S127	12AXD-38	27	127-4	G		HSJFP	75	121210 P002	004	1S 1S
117	SPIRE PSW Ch13-16 . 16-	SPC.-	-		S127	12AXD-38	27	127-4	G		HSJFP	75	121210 P002	017	1S 1S
128	SPIRE PSW Ch13-16 . 16gnd	SPC.-	-		S127	12AXD-38	27	127-4	G		HSJFP	75	121210 P002	013	1S 1S
-															1S
128	SPIRE PSW Ch13-16 . SHD27	SPC.-	-		S127	12AXD-38	27			CIS-S127	HSJFP	75	121210 P002	013	1S 1S
FCR	SPIRE PSW Ch13-16 . COS27	SPC.-	-		S127	12AXD-38	27			COS-S127 con to FCR	HSJFP	75	121210 P002	CH	1S 1S
-															
055	SPIRE PSW Ch17-20 . 17+	SPC.-	-		S128	12AXD-38	28	128-1	H		HSJFP	75	121210 P002	005	1S 1S
066	SPIRE PSW Ch17-20 . 17-	SPC.-	-		S128	12AXD-38	28	128-1	H		HSJFP	75	121210 P002	018	1S 1S
128	SPIRE PSW Ch17-20 . 17gnd	SPC.-	-		S128	12AXD-38	28	128-1	H		HSJFP	75	121210 P002	013	1S 1S
-															
067	SPIRE PSW Ch17-20 . 18+	SPC.-	-		S128	12AXD-38	28	128-2	J		HSJFP	75	121210 P002	006	1S 1S
078	SPIRE PSW Ch17-20 . 18-	SPC.-	-		S128	12AXD-38	28	128-2	J		HSJFP	75	121210 P002	019	1S 1S
128	SPIRE PSW Ch17-20 . 18gnd	SPC.-	-		S128	12AXD-38	28	128-2			HSJFP	75	121210 P002	013	1S 1S
-															
076	SPIRE PSW Ch17-20 . 19+	SPC.-	-		S128	12AXD-38	28	128-3	K		HSJFP	75	121210 P002	020	1S 1S
077	SPIRE PSW Ch17-20 . 19-	SPC.-	-		S128	12AXD-38	28	128-3	K		HSJFP	75	121210 P002	007	1S 1S
128	SPIRE PSW Ch17-20 . 19gnd	SPC.-	-		S128	12AXD-38	28	128-3	K		HSJFP	75	121210 P002	013	1S 1S
-															
088	SPIRE PSW Ch17-20 . 20+	SPC.-	-		S128	12AXD-38	28	128-4	L		HSJFP	75	121210 P002	021	1S 1S
089	SPIRE PSW Ch17-20 . 20-	SPC.-	-		S128	12AXD-38	28	128-4	L		HSJFP	75	121210 P002	008	1S 1S
128	SPIRE PSW Ch17-20 . 20gnd	SPC.-	-		S128	12AXD-38	28	128-4	L		HSJFP	75	121210 P002	013	1S 1S
-															1S
128	SPIRE PSW Ch17-20 . SHD28	SPC.-	-		S128	12AXD-38	28			CIS-S128	HSJFP	75	121210 P002	013	1S 1S
FCR	SPIRE PSW Ch17-20 . COS28	SPC.-	-		S128	12AXD-38	28			COS-S128 con to FCR	HSJFP	75	121210 P002	CH	1S 1S
-															
099	SPIRE PSW Ch21-24 . 21+	SPC.-	-		S129	12AXD-38	29	129-1	M		HSJFP	75	121210 P002	022	1S 1S
100	SPIRE PSW Ch21-24 . 21-	SPC.-	-		S129	12AXD-38	29	129-1	M		HSJFP	75	121210 P002	009	1S 1S
128	SPIRE PSW Ch21-24 . 21gnd	SPC.-	-		S129	12AXD-38	29	129-1	M		HSJFP	75	121210 P002	013	1S 1S
-															
110	SPIRE PSW Ch21-24 . 22+	SPC.-	-		S129	12AXD-38	29	129-2	N		HSJFP	75	121210 P002	023	1S 1S
111	SPIRE PSW Ch21-24 . 22-	SPC.-	-		S129	12AXD-38	29	129-2	N		HSJFP	75	121210 P002	010	1S 1S
128	SPIRE PSW Ch21-24 . 22gnd	SPC.-	-		S129	12AXD-38	29	129-2	N		HSJFP	75	121210 P002	013	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J028

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
118	SPIRE PSW Ch21-24 . 23+	SPC.-	-		S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	024	1S 1S
119	SPIRE PSW Ch21-24 . 23-	SPC.-	-		S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	011	1S 1S
128	SPIRE PSW Ch21-24 . 23gnd	SPC.-	-		S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	013	1S 1S
-															
112	SPIRE PSW Ch21-24 . 24+	SPC.-	-		S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	025	1S 1S
120	SPIRE PSW Ch21-24 . 24-	SPC.-	-		S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	012	1S 1S
128	SPIRE PSW Ch21-24 . 24gnd	SPC.-	-		S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	013	1S 1S
-															1S
128	SPIRE PSW Ch21-24 . SHD29	SPC.-	-		S129	12AXD-38	29			CIS-S129	HSJFP	75	121210 P002	013	1S 1S
FCR	SPIRE PSW Ch21-24 . COS29	SPC.-	-		S129	12AXD-38	29			COS-S129 con to FCR	HSJFP	75	121210 P002	CH	1S 1S
-															
-															
090	SPIRE PSW Ch25-28 . 25+	SPC.-	-		S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	001	1S 1S
079	SPIRE PSW Ch25-28 . 25-	SPC.-	-		S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	014	1S 1S
047	SPIRE PSW Ch25-28 . 25gnd	SPC.-	-		S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	013	1S 1S
-															
102	SPIRE PSW Ch25-28 . 26+	SPC.-	-		S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	002	1S 1S
101	SPIRE PSW Ch25-28 . 26-	SPC.-	-		S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	015	1S 1S
047	SPIRE PSW Ch25-28 . 26gnd	SPC.-	-		S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	013	1S 1S
-															
092	SPIRE PSW Ch25-28 . 27+	SPC.-	-		S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	003	1S 1S
091	SPIRE PSW Ch25-28 . 27-	SPC.-	-		S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	016	1S 1S
047	SPIRE PSW Ch25-28 . 27gnd	SPC.-	-		S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	013	1S 1S
-															
103	SPIRE PSW Ch25-28 . 28+	SPC.-	-		S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	004	1S 1S
113	SPIRE PSW Ch25-28 . 28-	SPC.-	-		S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	017	1S 1S
047	SPIRE PSW Ch25-28 . 28gnd	SPC.-	-		S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	013	1S 1S
-															1S
047	SPIRE PSW Ch25-28 . SHD31	SPC.-	-		S131	12AXD-38	31			CIS-S131	HSJFP	75	121210 P003	013	1S 1S
FGR	SPIRE PSW Ch25-28 . COS31	SPC.-	-		S131	12AXD-38	31			COS-S131 con to FCR	HSJFP	75	121210 P003	CH	1S 1S
-															
058	SPIRE PSW Ch29-32 . 29+	SPC.-	-		S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	005	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
046	SPIRE PSW Ch29-32 . 29-		SPC.-	-	S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	018	1S	1S
047	SPIRE PSW Ch29-32 . 29gnd		SPC.-	-	S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	013	1S	1S
-																
068	SPIRE PSW Ch29-32 . 30+		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	006	1S	1S
057	SPIRE PSW Ch29-32 . 30-		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	019	1S	1S
047	SPIRE PSW Ch29-32 . 30gnd		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	013	1S	1S
-																
069	SPIRE PSW Ch29-32 . 31+		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	020	1S	1S
080	SPIRE PSW Ch29-32 . 31-		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	007	1S	1S
047	SPIRE PSW Ch29-32 . 31gnd		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	013	1S	1S
-																
070	SPIRE PSW Ch29-32 . 32+		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	021	1S	1S
081	SPIRE PSW Ch29-32 . 32-		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	008	1S	1S
047	SPIRE PSW Ch29-32 . 32gnd		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	013	1S	1S
-																1S
047	SPIRE PSW Ch29-32 . SHD32		SPC.-	-	S132	12AXD-38	32			CIS-S132	HSJFP	75	121210 P003	013	1S	1S
FCR	SPIRE PSW Ch29-32 . COS32		SPC.-	-	S132	12AXD-38	32			COS-S132 con to FCR	HSJFP	75	121210 P003	CH	1S	1S
-																
023	SPIRE PSW Ch33-36 . 33+		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	022	1S	1S
034	SPIRE PSW Ch33-36 . 33-		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	009	1S	1S
047	SPIRE PSW Ch33-36 . 33gnd		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	013	1S	1S
-																
033	SPIRE PSW Ch33-36 . 34+		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	023	1S	1S
045	SPIRE PSW Ch33-36 . 34-		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	010	1S	1S
047	SPIRE PSW Ch33-36 . 34gnd		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	013	1S	1S
-																
044	SPIRE PSW Ch33-36 . 35+		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	024	1S	1S
056	SPIRE PSW Ch33-36 . 35-		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	011	1S	1S
047	SPIRE PSW Ch33-36 . 35gnd		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	013	1S	1S
-																
022	SPIRE PSW Ch33-36 . 36+		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	025	1S	1S
032	SPIRE PSW Ch33-36 . 36-		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	012	1S	1S
047	SPIRE PSW Ch33-36 . 36gnd		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	013	1S	1S
-																1S

Pin Allocation List

(Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
047	SPIRE PSW Ch33-36 . SHD33		SPC.-	-	S133	12AXD-38	33			CIS-S133	HSJFP	75	121210 P003	013	1S 1S
FCR	SPIRE PSW Ch33-36 . COS33		SPC.-	-	S133	12AXD-38	33			COS-S133 con to FCR	HSJFP	75	121210 P003	CH	1S 1S
-															
013	SPIRE PSW Ch37-40 . 37+		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	001	1S 1S
012	SPIRE PSW Ch37-40 . 37-		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	014	1S 1S
004	SPIRE PSW Ch37-40 . 37gnd		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	013	1S 1S
-															
021	SPIRE PSW Ch37-40 . 38+		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	002	1S 1S
020	SPIRE PSW Ch37-40 . 38-		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	015	1S 1S
004	SPIRE PSW Ch37-40 . 38gnd		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	013	1S 1S
-															
031	SPIRE PSW Ch37-40 . 39+		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	003	1S 1S
043	SPIRE PSW Ch37-40 . 39-		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	016	1S 1S
004	SPIRE PSW Ch37-40 . 39gnd		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	013	1S 1S
-															
042	SPIRE PSW Ch37-40 . 40+		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	004	1S 1S
054	SPIRE PSW Ch37-40 . 40-		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	017	1S 1S
004	SPIRE PSW Ch37-40 . 40gnd		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	013	1S 1S
-															1S
004	SPIRE PSW Ch37-40 . SHD36		SPC.-	-	S136	12AXD-38	36			CIS-S136	HSJFP	75	121210 P004	013	1S 1S
FCR	SPIRE PSW Ch37-40 . COS36		SPC.-	-	S136	12AXD-38	36			COS-S136 con to FCR	HSJFP	75	121210 P004	CH	1S 1S
-															
010	SPIRE PSW Ch41-44 . 41+		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	005	1S 1S
011	SPIRE PSW Ch41-44 . 41-		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	018	1S 1S
004	SPIRE PSW Ch41-44 . 41gnd		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	013	1S 1S
-															
019	SPIRE PSW Ch41-44 . 42+		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	006	1S 1S
029	SPIRE PSW Ch41-44 . 42-		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	019	1S 1S
004	SPIRE PSW Ch41-44 . 42gnd		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	013	1S 1S
-															
041	SPIRE PSW Ch41-44 . 43+		SPC.-	-	S137	12AXD-38	37	137-3	k		HSJFP	75	121210 P004	020	1S 1S
030	SPIRE PSW Ch41-44 . 43-		SPC.-	-	S137	12AXD-38	37	137-3	K		HSJFP	75	121210 P004	007	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PSW Ch41-44 . 43gnd		SPC.-	-	S137	12AXD-38	37	137-3	K		HSJFP	75	121210 P004	013	1S	1S
-																
053	SPIRE PSW Ch41-44 . 44+		SPC.-	-	S137	12AXD-38	37	137-4	I		HSJFP	75	121210 P004	021	1S	1S
052	SPIRE PSW Ch41-44 . 44-		SPC.-	-	S137	12AXD-38	37	137-4I	I		HSJFP	75	121210 P004	008	1S	1S
004	SPIRE PSW Ch41-44 . 44gnd		SPC.-	-	S137	12AXD-38	37	137-4	I		HSJFP	75	121210 P004	013	1S	1S
-																1S
004	SPIRE PSW Ch41-44 . SHD37		SPC.-	-	S137	12AXD-38	37			CIS-S137	HSJFP	75	121210 P004	013	1S	1S
FCR	SPIRE PSW Ch41-44 . COS37		SPC.-	-	S137	12AXD-38	37			COS-S137 con FCR	HSJFP	75	121210 P004	CH	1S	1S
-																
009	SPIRE PSW Ch45-48 . 45+		SPC.-	-	S138	12AXD-38	38	138-1	m		HSJFP	75	121210 P004	022	1S	1S
017	SPIRE PSW Ch45-48 . 45-		SPC.-	-	S138	12AXD-38	38	138-1	m		HSJFP	75	121210 P004	009	1S	1S
004	SPIRE PSW Ch45-48 . 45gnd		SPC.-	-	S138	12AXD-38	38	138-1	m		HSJFP	75	121210 P004	013	1S	1S
-																
018	SPIRE PSW Ch45-48 . 46+		SPC.-	-	S138	12AXD-38	38	138-2	n		HSJFP	75	121210 P004	023	1S	1S
028	SPIRE PSW Ch45-48 . 46-		SPC.-	-	S138	12AXD-38	38	138-2	n		HSJFP	75	121210 P004	010	1S	1S
004	SPIRE PSW Ch45-48 . 46gnd		SPC.-	-	S138	12AXD-38	38	138-2	n		HSJFP	75	121210 P004	013	1S	1S
-																
016	SPIRE PSW Ch45-48 . 47+		SPC.-	-	S138	12AXD-38	38	138-3	p		HSJFP	75	121210 P004	024	1S	1S
027	SPIRE PSW Ch45-48 . 47-		SPC.-	-	S138	12AXD-38	38	138-3	p		HSJFP	75	121210 P004	011	1S	1S
004	SPIRE PSW Ch45-48 . 47gnd		SPC.-	-	S138	12AXD-38	38	138-3	p		HSJFP	75	121210 P004	013	1S	1S
-																
040	SPIRE PSW Ch45-48 . 48+		SPC.-	-	S138	12AXD-38	38	138-4	q		HSJFP	75	121210 P004	025	1S	1S
039	SPIRE PSW Ch45-48 . 48-		SPC.-	-	S138	12AXD-38	38	138-4	q		HSJFP	75	121210 P004	012	1S	1S
004	SPIRE PSW Ch45-48 . 48gnd		SPC.-	-	S138	12AXD-38	38	138-4	q		HSJFP	75	121210 P004	013	1S	1S
-																1S
004	SPIRE PSW Ch45-48 . SHD38		SPC.-	-	S138	12AXD-38	38			CIS-S138	HSJFP	75	121210 P004	013	1S	1S
FCR	SPIRE PSW Ch45-48 . COS38		SPC.-	-	S138	12AXD-38	38			COS-S138 con to FCR	HSJFP	75	121210 P004	CH	1S	1S
-																
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
008	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
014	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
015	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
024	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
025	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
035	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
082	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
093	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
094	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
104	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
105	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
114	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
115	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
121	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
122	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
123	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
124	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
125	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
126	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
127	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
-															
-	CH to be isolated from FCR													1S	
-														1S	
-	harness branch to be isolated from s/c structure													1S	
-															
-	2 pins are NC								The following Pins are NC :						
-	-								;064 ;065						

Pin Allocation List (Harness)

Connector: 121100 P023
Item: HSFPU

Function / Bundle: SPIRE FPU Termometry Prime / SIH-XS-10

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
020	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	53				CVWUCR	33	211121 J034	089	1S	1S
021	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	53				CVWUCR	33	211121 J034	088	1S	1S
002	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	53				CVWUCR	33	211121 J034	100	1S	1S
003	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	53				CVWUCR	33	211121 J034	099	1S	1S
001	SPIRE FilterTemp(N) . SHD53		STA.-	-	S253	041SS-38	53			CS-S253	CVWUCR	33	211121 J034	101	1S	1S
-																
004	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	54				CVWUCR	33	211121 J034	118	1S	1S
005	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	54				CVWUCR	33	211121 J034	119	1S	1S
023	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	54				CVWUCR	33	211121 J034	125	1S	1S
024	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	54				CVWUCR	33	211121 J034	126	1S	1S
022	SPIRE SpectDetBoxTemp(N) . SHD54		STA.-	-	S254	041SS-38	54			CS-S254	CVWUCR	33	211121 J034	110	1S	1S
-																
025	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	55				CVWUCR	33	211121 J034	123	1S	1S
026	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	55				CVWUCR	33	211121 J034	124	1S	1S
007	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	55				CVWUCR	33	211121 J034	116	1S	1S
008	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	55				CVWUCR	33	211121 J034	117	1S	1S
006	SPIRE PhotomDetBoxTmp(N) . SHD55		STA.-	-	S255	041SS-38	55			CS-S255	CVWUCR	33	211121 J034	108	1S	1S
-																
009	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	56				CVWUCR	33	211121 J034	106	1S	1S
010	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	56				CVWUCR	33	211121 J034	115	1S	1S
028	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	56				CVWUCR	33	211121 J034	107	1S	1S
029	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	56				CVWUCR	33	211121 J034	122	1S	1S
027	SPIRE OptSubbenchTmp(N) . SHD56		STA.-	-	S256	041SS-38	56			CS-S256	CVWUCR	33	211121 J034	105	1S	1S
-																
030	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	57				CVWUCR	33	211121 J034	097	1S	1S
031	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	57				CVWUCR	33	211121 J034	098	1S	1S
012	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	57				CVWUCR	33	211121 J034	086	1S	1S
013	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	57				CVWUCR	33	211121 J034	087	1S	1S
011	SPIRE FPUInpBaffleTmp(N) . SHD57		STA.-	-	S257	041SS-38	57			CS-S257	CVWUCR	33	211121 J034	109	1S	1S
-																
014	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	58				CVWUCR	33	211121 J034	073	1S	1S
015	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	58				CVWUCR	33	211121 J034	084	1S	1S
033	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	58				CVWUCR	33	211121 J034	074	1S	1S
034	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	58				CVWUCR	33	211121 J034	085	1S	1S

Pin Allocation List (Harness)

Connector: 121100 P023
Item: HSFPU

Function / Bundle: SPIRE FPU Termometry Prime / SIH-XS-10

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
032	SPIRE BSM/SOB I/FTmp(N) . SHD58		STA.-	-	S258	041SS-38	58			CS-S258	CVVUCR	33	211121 J034	096	1S	1S
-																
017	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	59				CVVUCR	33	211121 J034	079	1S	1S
036	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	59				CVVUCR	33	211121 J034	068	1S	1S
018	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	59				CVVUCR	33	211121 J034	078	1S	1S
037	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	59				CVVUCR	33	211121 J034	067	1S	1S
035	SPIRE PTC Htr(N) . SHD59		STB.-	-	S259	041BS-30	59			CS-S259	CVVUCR	33	211121 J034	090	1S	1S
-																
CH	SPIRE FPU TP Faraday . SFF		SFF.-	-	S250	010B0-30					CVVUCR	33	211121 J034	094	1S	1S
-																1S
-										No Bundle Overall Shd in Cold						1S
-																1S
-	2 pins are NC									The following Pins are NC :						
-										;016 ;019						

Pin Allocation List (Harness)

Connector: 121100 P021
Item: HSFPU

Function / Bundle: SPIRE FPU Filterspect. Stim. / SIH-XS-10

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE Spectr4%Temp (N) . I+	SCA.-	-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	111	1S	1S
025	SPIRE Spectr4%Temp (N) . I-	SCA.-	-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	112	1S	1S
006	SPIRE Spectr4%Temp (N) . V+	SCA.-	-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	120	1S	1S
024	SPIRE Spectr4%Temp (N) . V-	SCA.-	-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	128	1S	1S
023	SPIRE Spectr4%Temp (N) . SHD42	SCA.-	-	-	S242	041SS-38	42			CS-S242	CVWUCR	33	211121 J034	121	1S	1S
-																
007	SPIRE Spectr2%Temp (N) . I+	SCA.-	-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	091	1S	1S
027	SPIRE Spectr2%Temp (N) . I-	SCA.-	-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	080	1S	1S
008	SPIRE Spectr2%Temp (N) . V+	SCA.-	-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	092	1S	1S
026	SPIRE Spectr2%Temp (N) . V-	SCA.-	-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	081	1S	1S
009	SPIRE Spectr2%Temp (N) . SHD43	SCA.-	-	-	S243	041SS-38	43			CS-S243	CVWUCR	33	211121 J034	093	1S	1S
-																
010	SPIRE SpStimFlanTemp(N) . I+	SCA.-	-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	114	1S	1S
029	SPIRE SpStimFlanTemp(N) . I-	SCA.-	-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	104	1S	1S
011	SPIRE SpStimFlanTemp(N) . V+	SCA.-	-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	113	1S	1S
028	SPIRE SpStimFlanTemp(N) . V-	SCA.-	-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	103	1S	1S
030	SPIRE SpStimFlanTemp(N) . SHD44	SCA.-	-	-	S244	041SS-38	44			CS-S244	CVWUCR	33	211121 J034	102	1S	1S
-																
-																
014	SPIRE Spectr4%Heater (N) . I+A	SCB.-	-	-	S245	040B0-30					CVWUCR	33	211121 J034	035	1S	
033	SPIRE Spectr4%Heater (N) . I-A	SCB.-	-	-	S245	040B0-30					CVWUCR	33	211121 J034	034	1S	
015	SPIRE Spectr4%Heater (N) . I+B	SCB.-	-	-	S245	040B0-30					CVWUCR	33	211121 J034	024		
034	SPIRE Spectr4%Heater (N) . I-B	SCB.-	-	-	S245	040B0-30					CVWUCR	33	211121 J034	023		
-																
016	SPIRE Spectr2%Heater (N) . I+A	SCB.-	-	-	S246	040B0-30					CVWUCR	33	211121 J034	046	1S	
035	SPIRE Spectr2%Heater (N) . I-A	SCB.-	-	-	S246	040B0-30					CVWUCR	33	211121 J034	045	1S	
017	SPIRE Spectr2%Heater (N) . I+B	SCB.-	-	-	S246	040B0-30					CVWUCR	33	211121 J034	058		
036	SPIRE Spectr2%Heater (N) . I-B	SCB.-	-	-	S246	040B0-30					CVWUCR	33	211121 J034	057		
-																1S
CH	SPIRE FPU FSS Faraday . SFF	SFF.-	-	-	S251	010B0-30					CVWUCR	33	211121 J034	047	1S	1S
-																1S
-	14 pins are NC									The following Pins are NC :						
-										;001 ;002 ;003 ;004 ;012 ;013						
-										;018 ;019 ;020 ;021 ;022 ;031						
-										;032 ;037						

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 121100 P019
Item: HSFPU

Function / Bundle: SPIRE FPU Filter Cooler / SIH-XS-10

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SorptPumpTemp(N) . I+	S3E.-	-		S234	041SS-38	34				CVWUCR	33	211121 J034	029	1S 1S
021	SPIRE SorptPumpTemp(N) . I-	S3E.-	-		S234	041SS-38	34				CVWUCR	33	211121 J034	030	1S 1S
001	SPIRE SorptPumpTemp(N) . V+	S3E.-	-		S234	041SS-38	34				CVWUCR	33	211121 J034	041	1S 1S
002	SPIRE SorptPumpTemp(N) . V-	S3E.-	-		S234	041SS-38	34				CVWUCR	33	211121 J034	042	1S 1S
003	SPIRE SorptPumpTemp(N) . SHD34	S3E.-	-		S234	041SS-38	34			CS-S234	CVWUCR	33	211121 J034	031	1S 1S
-															
022	SPIRE EvaporatorTemp(N) . I+	S3E.-	-		S235	041SS-38	35				CVWUCR	33	211121 J034	077	1S 1S
023	SPIRE EvaporatorTemp(N) . I-	S3E.-	-		S235	041SS-38	35				CVWUCR	33	211121 J034	076	1S 1S
004	SPIRE EvaporatorTemp(N) . V+	S3E.-	-		S235	041SS-38	35				CVWUCR	33	211121 J034	066	1S 1S
005	SPIRE EvaporatorTemp(N) . V-	S3E.-	-		S235	041SS-38	35				CVWUCR	33	211121 J034	065	1S 1S
024	SPIRE EvaporatorTemp(N) . SHD35	S3E.-	-		S235	041SS-38	35			CS-S235	CVWUCR	33	211121 J034	054	1S 1S
-															
025	SPIRE SorptPumpSwTemp(N) . I+	S3E.-	-		S236	041SS-38	36				CVWUCR	33	211121 J034	053	1S 1S
026	SPIRE SorptPumpSwTemp(N) . I-	S3E.-	-		S236	041SS-38	36				CVWUCR	33	211121 J034	052	1S 1S
006	SPIRE SorptPumpSwTemp(N) . V+	S3E.-	-		S236	041SS-38	36				CVWUCR	33	211121 J034	064	1S 1S
007	SPIRE SorptPumpSwTemp(N) . V-	S3E.-	-		S236	041SS-38	36				CVWUCR	33	211121 J034	063	1S 1S
008	SPIRE SorptPumpSwTemp(N) . SHD36	S3E.-	-		S236	041SS-38	36			CS-S236	CVWUCR	33	211121 J034	075	1S 1S
-															
027	SPIRE EvaporSwTemp(N) . I+	S3E.-	-		S237	041SS-38	37				CVWUCR	33	211121 J034	050	1S 1S
028	SPIRE EvaporSwTemp(N) . I-	S3E.-	-		S237	041SS-38	37				CVWUCR	33	211121 J034	061	1S 1S
009	SPIRE EvaporSwTemp(N) . V+	S3E.-	-		S237	041SS-38	37				CVWUCR	33	211121 J034	062	1S 1S
010	SPIRE EvaporSwTemp(N) . V-	S3E.-	-		S237	041SS-38	37				CVWUCR	33	211121 J034	051	1S 1S
029	SPIRE EvaporSwTemp(N) . SHD37	S3E.-	-		S237	041SS-38	37			CS-S237	CVWUCR	33	211121 J034	039	1S 1S
-															
030	SPIRE ThermShuntTemp(N) . I+A	S3E.-	-		S238	041SS-38	38				CVWUCR	33	211121 J034	011	1S 1S
031	SPIRE ThermShuntTemp(N) . I-B	S3E.-	-		S238	041SS-38	38				CVWUCR	33	211121 J034	010	1S 1S
011	SPIRE ThermShuntTemp(N) . V+B	S3E.-	-		S238	041SS-38	38				CVWUCR	33	211121 J034	019	1S 1S
012	SPIRE ThermShuntTemp(N) . V-A	S3E.-	-		S238	041SS-38	38				CVWUCR	33	211121 J034	018	1S 1S
013	SPIRE ThermShuntTemp(N) . SHD38	S3E.-	-		S238	041SS-38	38			CS-S238	CVWUCR	33	211121 J034	020	1S 1S
-															
014	SPIRE SorptPumpHtr(N) . I+A	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 J034	006	1S
015	SPIRE SorptPumpHtr(N) . I-A	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 J034	005	1S 1S
032	SPIRE SorptPumpHtr(N) . I+B	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 J034	013	1S
033	SPIRE SorptPumpHtr(N) . I-B	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 J034	012	1S

Pin Allocation List

(Harness)

Connector: 121100 P019
Item: HSFPU

Function / Bundle: SPIRE FPU Filter Cooler / SIH-XS-10

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
016	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 J034	022	1S
034	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 J034	033	1S
017	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 J034	021	1S 1S
035	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 J034	032	1S
-															
018	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 J034	055	1S
036	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 J034	056	1S
019	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 J034	043	1S 1S
037	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 J034	044	1S
-															
CH	SPIRE FPU FC Faraday . SFF		SFF.-	-	S249	010B0-30					CVVUCR	33	211121 J034	004	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
029	SPIRE SorptPumpTemp(N) . I+	S3E.-	-		S234	041SS-38	34				HSFPU	70	121100 P019	020	1S	1S
030	SPIRE SorptPumpTemp(N) . I-	S3E.-	-		S234	041SS-38	34				HSFPU	70	121100 P019	021	1S	1S
041	SPIRE SorptPumpTemp(N) . V+	S3E.-	-		S234	041SS-38	34				HSFPU	70	121100 P019	001	1S	1S
042	SPIRE SorptPumpTemp(N) . V-	S3E.-	-		S234	041SS-38	34				HSFPU	70	121100 P019	002	1S	1S
031	SPIRE SorptPumpTemp(N) . SHD34	S3E.-	-		S234	041SS-38	34			CS-S234	HSFPU	70	121100 P019	003	1S	1S
-																
077	SPIRE EvaporatorTemp(N) . I+	S3E.-	-		S235	041SS-38	35				HSFPU	70	121100 P019	022	1S	1S
076	SPIRE EvaporatorTemp(N) . I-	S3E.-	-		S235	041SS-38	35				HSFPU	70	121100 P019	023	1S	1S
066	SPIRE EvaporatorTemp(N) . V+	S3E.-	-		S235	041SS-38	35				HSFPU	70	121100 P019	004	1S	1S
065	SPIRE EvaporatorTemp(N) . V-	S3E.-	-		S235	041SS-38	35				HSFPU	70	121100 P019	005	1S	1S
054	SPIRE EvaporatorTemp(N) . SHD35	S3E.-	-		S235	041SS-38	35			CS-S235	HSFPU	70	121100 P019	024	1S	1S
-																
053	SPIRE SorptPumpSwTemp(N) . I+	S3E.-	-		S236	041SS-38	36				HSFPU	70	121100 P019	025	1S	1S
052	SPIRE SorptPumpSwTemp(N) . I-	S3E.-	-		S236	041SS-38	36				HSFPU	70	121100 P019	026	1S	1S
064	SPIRE SorptPumpSwTemp(N) . V+	S3E.-	-		S236	041SS-38	36				HSFPU	70	121100 P019	006	1S	1S
063	SPIRE SorptPumpSwTemp(N) . V-	S3E.-	-		S236	041SS-38	36				HSFPU	70	121100 P019	007	1S	1S
075	SPIRE SorptPumpSwTemp(N) . SHD36	S3E.-	-		S236	041SS-38	36			CS-S236	HSFPU	70	121100 P019	008	1S	1S
-																
050	SPIRE EvaporSwTemp(N) . I+	S3E.-	-		S237	041SS-38	37				HSFPU	70	121100 P019	027	1S	1S
061	SPIRE EvaporSwTemp(N) . I-	S3E.-	-		S237	041SS-38	37				HSFPU	70	121100 P019	028	1S	1S
062	SPIRE EvaporSwTemp(N) . V+	S3E.-	-		S237	041SS-38	37				HSFPU	70	121100 P019	009	1S	1S
051	SPIRE EvaporSwTemp(N) . V-	S3E.-	-		S237	041SS-38	37				HSFPU	70	121100 P019	010	1S	1S
039	SPIRE EvaporSwTemp(N) . SHD37	S3E.-	-		S237	041SS-38	37			CS-S237	HSFPU	70	121100 P019	029	1S	1S
-																
011	SPIRE ThermShuntTemp(N) . I+A	S3E.-	-		S238	041SS-38	38				HSFPU	70	121100 P019	030	1S	1S
010	SPIRE ThermShuntTemp(N) . I-B	S3E.-	-		S238	041SS-38	38				HSFPU	70	121100 P019	031	1S	1S
019	SPIRE ThermShuntTemp(N) . V+B	S3E.-	-		S238	041SS-38	38				HSFPU	70	121100 P019	011	1S	1S
018	SPIRE ThermShuntTemp(N) . V-A	S3E.-	-		S238	041SS-38	38				HSFPU	70	121100 P019	012	1S	1S
020	SPIRE ThermShuntTemp(N) . SHD38	S3E.-	-		S238	041SS-38	38			CS-S238	HSFPU	70	121100 P019	013	1S	1S
-																
006	SPIRE SorptPumpHtr(N) . I+A	S3F.-	-		S239	040B0-30					HSFPU	70	121100 P019	014		1S
005	SPIRE SorptPumpHtr(N) . I-A	S3F.-	-		S239	040B0-30					HSFPU	70	121100 P019	015	1S	1S
013	SPIRE SorptPumpHtr(N) . I+B	S3F.-	-		S239	040B0-30					HSFPU	70	121100 P019	032		1S
012	SPIRE SorptPumpHtr(N) . I-B	S3F.-	-		S239	040B0-30					HSFPU	70	121100 P019	033		1S

Pin Allocation List

(Harness)

Connector: 211121 J034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					HSFPU	70	121100 P019	016	1S
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					HSFPU	70	121100 P019	017	1S 1S
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					HSFPU	70	121100 P019	034	1S
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					HSFPU	70	121100 P019	035	1S
-															
055	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					HSFPU	70	121100 P019	018	1S
043	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					HSFPU	70	121100 P019	019	1S 1S
056	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					HSFPU	70	121100 P019	036	1S
044	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					HSFPU	70	121100 P019	037	1S
-															
111	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	42				HSFPU	70	121100 P021	005	1S 1S
112	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	42				HSFPU	70	121100 P021	025	1S 1S
120	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	42				HSFPU	70	121100 P021	006	1S 1S
128	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	42				HSFPU	70	121100 P021	024	1S 1S
121	SPIRE Spectr4%Temp (N) . SHD42		SCA.-	-	S242	041SS-38	42		CS-S242		HSFPU	70	121100 P021	023	1S 1S
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	43				HSFPU	70	121100 P021	007	1S 1S
080	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	43				HSFPU	70	121100 P021	027	1S 1S
092	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	43				HSFPU	70	121100 P021	008	1S 1S
081	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	43				HSFPU	70	121100 P021	026	1S 1S
093	SPIRE Spectr2%Temp (N) . SHD43		SCA.-	-	S243	041SS-38	43		CS-S243		HSFPU	70	121100 P021	009	1S 1S
-															1S
114	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	44				HSFPU	70	121100 P021	010	1S 1S
104	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	44				HSFPU	70	121100 P021	029	1S 1S
113	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	44				HSFPU	70	121100 P021	011	1S 1S
103	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	44				HSFPU	70	121100 P021	028	1S 1S
102	SPIRE SpStimFlanTemp(N) . SHD44		SCA.-	-	S244	041SS-38	44		CS-S244		HSFPU	70	121100 P021	030	1S 1S
-															
035	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					HSFPU	70	121100 P021	014	1S
024	SPIRE Spectr4%Heater (N) . I+B		SCB.-	-	S245	040B0-30					HSFPU	70	121100 P021	015	
034	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					HSFPU	70	121100 P021	033	1S
023	SPIRE Spectr4%Heater (N) . I-B		SCB.-	-	S245	040B0-30					HSFPU	70	121100 P021	034	
-															

Pin Allocation List

(Harness)

Connector: 211121 J034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE Spectr2%Heater (N) . I+A		SCB.-	-	S246	040B0-30					HSFPU	70	121100 P021	016	1S
058	SPIRE Spectr2%Heater (N) . I+B		SCB.-	-	S246	040B0-30					HSFPU	70	121100 P021	017	
045	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					HSFPU	70	121100 P021	035	1S
057	SPIRE Spectr2%Heater (N) . I-B		SCB.-	-	S246	040B0-30					HSFPU	70	121100 P021	036	
-															
089	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	53				HSFPU	70	121100 P023	020	1S 1S
100	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	53				HSFPU	70	121100 P023	002	1S 1S
099	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	53				HSFPU	70	121100 P023	003	1S 1S
088	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	53				HSFPU	70	121100 P023	021	1S 1S
101	SPIRE FilterTemp(N) . SHD53		STA.-	-	S253	041SS-38	53		CS-S253		HSFPU	70	121100 P023	001	1S 1S
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	54				HSFPU	70	121100 P023	004	1S 1S
125	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	54				HSFPU	70	121100 P023	023	1S 1S
126	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	54				HSFPU	70	121100 P023	024	1S 1S
119	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	54				HSFPU	70	121100 P023	005	1S 1S
110	SPIRE SpectDetBoxTemp(N) . SHD54		STA.-	-	S254	041SS-38	54		CS-S254		HSFPU	70	121100 P023	022	1S 1S
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	55				HSFPU	70	121100 P023	025	1S 1S
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	55				HSFPU	70	121100 P023	007	1S 1S
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	55				HSFPU	70	121100 P023	008	1S 1S
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	55				HSFPU	70	121100 P023	026	1S 1S
108	SPIRE PhotomDetBoxTmp(N) . SHD55		STA.-	-	S255	041SS-38	55		CS-S255		HSFPU	70	121100 P023	006	1S 1S
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	56				HSFPU	70	121100 P023	009	1S 1S
115	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	56				HSFPU	70	121100 P023	010	1S 1S
107	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	56				HSFPU	70	121100 P023	028	1S 1S
122	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	56				HSFPU	70	121100 P023	029	1S 1S
105	SPIRE OptSubbenchTmp(N) . SHD56		STA.-	-	S256	041SS-38	56		CS-S26		HSFPU	70	121100 P023	027	1S 1S
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	57				HSFPU	70	121100 P023	030	1S 1S
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	57				HSFPU	70	121100 P023	012	1S 1S
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	57				HSFPU	70	121100 P023	013	1S 1S
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	57				HSFPU	70	121100 P023	031	1S 1S
109	SPIRE FPUInpBaffleTmp(N) . SHD57		STA.-	-	S257	041SS-38	57		CS-S257		HSFPU	70	121100 P023	011	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	58				HSFPU	70	121100 P023	014	1S 1S
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	58				HSFPU	70	121100 P023	015	1S 1S
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	58				HSFPU	70	121100 P023	033	1S 1S
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	58				HSFPU	70	121100 P023	034	1S 1S
096	SPIRE BSM/SOB I/FTmp(N) . SHD58		STA.-	-	S258	041SS-38	58			CS-S258	HSFPU	70	121100 P023	032	1S 1S
-															
079	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	59				HSFPU	70	121100 P023	017	1S 1S
078	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	59				HSFPU	70	121100 P023	018	1S 1S
068	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	59				HSFPU	70	121100 P023	036	1S 1S
067	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	59				HSFPU	70	121100 P023	037	1S 1S
090	SPIRE PTC Htr(N) . SHD59		STB.-	-	S259	041BS-30	59			CS-S259	HSFPU	70	121100 P023	035	1S 1S
-															
004	SPIRE FPU FC Faraday . SFF		SFF.-	-	S249	010B0-30					HSFPU	70	121100 P019	CH	1S 1S
047	SPIRE FPU FSS Faraday . SFF		SFF.-	-	S251	010B0-30					HSFPU	70	121100 P021	CH	1S 1S
094	SPIRE FPU TP Faraday . SFF		SFF.-	-	S250	010B0-30					HSFPU	70	121100 P023	CH	1S 1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
004	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
036	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
059	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S

Pin Allocation List (Harness)

Connector: 211121 J034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
031	Interconnection Star Pin									Star pin for Shield Interconnection					1S
020	to be con to pin 031									shield interconnection					1S
039	to be con to pin 031									shield interconnection					1S
054	to be con to pin 031									shield interconnection					1S
075	to be con to pin 031									shield interconnection					1S
-															1S
101	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
096	to be con to pin 101									shield interconnection					1S
105	to be con to pin 101									shield interconnection					1S
108	to be con to pin 101									shield interconnection					1S
109	to be con to pin 101									shield interconnection					1S
110	to be con to pin 101									shield interconnection					1S
-															1S
121	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
093	to be con to pin 121									shield interconnection					1S
102	to be con to pin 121									shield interconnection					1S
-															1S
-	CH to be isolated from FCR														1S
-															1S
-	17 pins are NC									The following Pins are NC :					
-										;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 121100 P025
Item: HSFPU

Function / Bundle: SPIRE FPU Filt-BSM Ph.-Stim. / SIH-XS-11

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE ChopSensor1&2(N) . 1	SBA.-	-		S041	021SS-38	41				CVVUCR	33	211121 J030	051	1S	1S
020	SPIRE ChopSensor1&2(N) . 2	SBA.-	-		S041	021SS-38	41				CVVUCR	33	211121 J030	040		1S
022	SPIRE ChopSensor1&2(N) . SHD41	SBA.-	-		S041	021SS-38	41		CS-S041		CVVUCR	33	211121 J030	039	1S	1S
-																
002	SPIRE ChopSensor3-5(N) . 3	SBB.-	-		S043	031BS-38	43				CVVUCR	33	211121 J030	028	1S	1S
021	SPIRE ChopSensor3-5(N) . 4	SBB.-	-		S043	031BS-38	43				CVVUCR	33	211121 J030	017		1S
003	SPIRE ChopSensor3-5(N) . 5	SBB.-	-		S043	031BS-38	43				CVVUCR	33	211121 J030	016		1S
022	SPIRE ChopSensor3-5(N) . SHD43	SBB.-	-		S043	031BS-38	43		CS-S043		CVVUCR	33	211121 J030	027	1S	1S
-																
004	SPIRE JiggleSensor1&2(N) . 1	SBA.-	-		S045	021SS-38	45				CVVUCR	33	211121 J030	049	1S	1S
023	SPIRE JiggleSensor1&2(N) . 2	SBA.-	-		S045	021SS-38	45				CVVUCR	33	211121 J030	050		1S
022	SPIRE JiggleSensor1&2(N) . SHD45	SBA.-	-		S045	021SS-38	45		CS-S045		CVVUCR	33	211121 J030	038	1S	1S
-																
005	SPIRE JiggleSensor3-5(N) . 3	SBB.-	-		S048	031BS-38	48				CVVUCR	33	211121 J030	015	1S	1S
024	SPIRE JiggleSensor3-5(N) . 4	SBB.-	-		S048	031BS-38	48				CVVUCR	33	211121 J030	025		1S
006	SPIRE JiggleSensor3-5(N) . 5	SBB.-	-		S048	031BS-38	48				CVVUCR	33	211121 J030	037		1S
022	SPIRE JiggleSensor3-5(N) . SHD48	SBB.-	-		S048	031BS-38			CS-S048		CVVUCR	33	211121 J030	026	1S	1S
-																
007	SPIRE BSMTemp(N) . I+	SBC.-	-		S103	041SS-38	3				CVVUCR	33	211121 J030	086	1S	1S
027	SPIRE BSMTemp(N) . I-	SBC.-	-		S103	041SS-38	3				CVVUCR	33	211121 J030	087	1S	1S
026	SPIRE BSMTemp(N) . V+	SBC.-	-		S103	041SS-38	3				CVVUCR	33	211121 J030	097	1S	1S
008	SPIRE BSMTemp(N) . V-	SBC.-	-		S103	041SS-38	3				CVVUCR	33	211121 J030	098	1S	1S
025	SPIRE BSMTemp(N) . SHD03	SBC.-	-		S103	041SS-38	3		CS-S103		CVVUCR	33	211121 J030	075	1S	1S
-																
028	SPIRE P-Cal Htr(N) . I+A	SBD.-	-		S260	041BS-30	60				CVVUCR	33	211121 J030	048	1S	1S
010	SPIRE P-Cal Htr(N) . I+B	SBD.-	-		S260	041BS-30	60				CVVUCR	33	211121 J030	071	1S	1S
029	SPIRE P-Cal Htr(N) . I-A	SBD.-	-		S260	041BS-30	60				CVVUCR	33	211121 J030	060	1S	1S
011	SPIRE P-Cal Htr(N) . I-B	SBD.-	-		S260	041BS-30	60				CVVUCR	33	211121 J030	059	1S	1S
009	SPIRE P-Cal Htr(N) . SHD60	SBD.-	-		S260	041BS-30	60		CS-S260		CVVUCR	33	211121 J030	036	1S	1S
-																
-																
030	SPIRE BSMLchLtchConf(N) . 1	SBE.-	-		S261	021SS-38	61				CVVUCR	33	211121 J030	108	1S	1S
012	SPIRE BSMLchLtchConf(N) . 2	SBE.-	-		S261	021SS-38	61				CVVUCR	33	211121 J030	116	1S	1S
031	SPIRE BSMLchLtchConf(N) . SHD61	SBE.-	-		S261	021SS-38	61		CS-S261		CVVUCR	33	211121 J030	107	1S	1S

Pin Allocation List

(Harness)

Connector: 121100 P025**Function / Bundle:** SPIRE FPU Filt-BSM Ph.-Stim. / SIH-XS-11**Conn.-Type:** MWDM2L-37P-6C3-.630**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
-																
013	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	62				CVWUCR	33	211121 J030	105	1S	1S
032	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	62				CVWUCR	33	211121 J030	115	1S	1S
033	SPIRE BSMLatchDrive(N) . SHD62		SBF.-	-	S262	021BS-30	62		CS-S262		CVWUCR	33	211121 J030	106	1S	1S
-																
015	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	63				CVWUCR	33	211121 J030	072	1S	1S
034	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	63				CVWUCR	33	211121 J030	061	1S	1S
016	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	63				CVWUCR	33	211121 J030	062	1S	1S
035	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	63				CVWUCR	33	211121 J030	074	1S	1S
017	SPIRE ChopMotDrive(N) . SHD63		SBG.-	-	S263	041BS-30	63		CS-S263		CVWUCR	33	211121 J030	073	1S	1S
-																
036	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	64				CVWUCR	33	211121 J030	083	1S	1S
018	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	64				CVWUCR	33	211121 J030	095	1S	1S
037	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	64				CVWUCR	33	211121 J030	096	1S	1S
019	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	64				CVWUCR	33	211121 J030	085	1S	1S
017	SPIRE JiggleMotDrive(N) . SHD64		SBG.-	-	S264	041BS-30	64		CS-S264		CVWUCR	33	211121 J030	084	1S	1S
-																
CH	SPIRE FPU BSM Faraday . SFF		SFF.-	-	S252	010B0-30					CVWUCR	33	211121 J030	082	1S	1S
-																1S
-	1 pin is NC								The following Pin is NC :							
-									;014							

Pin Allocation List

(Harness)

Connector: 121100 P027
Item: HSFPU

Function / Bundle: SPIRE FPU Filter SMEC L. Pr. / SIH-XS-11

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SMECLL#1Conf(N) . I+	SME.-	-		S265	021BS-30	65				CVVUCR	33	211121 J030	117	1S	1S
020	SPIRE SMECLL#1Conf(N) . I-	SME.-	-		S265	021BS-30	65				CVVUCR	33	211121 J030	118	1S	1S
003	SPIRE SMECLL#1Conf(N) . SHD65	SME.-	-		S265	021BS-30	65		CS-S265		CVVUCR	33	211121 J030	109	1S	1S
-																
002	SPIRE SMECLL#2Conf(N) . 2+	SME.-	-		S266	021BS-30	66				CVVUCR	33	211121 J030	111	1S	1S
021	SPIRE SMECLL#2Conf(N) . 2-	SME.-	-		S266	021BS-30	66				CVVUCR	33	211121 J030	119	1S	1S
003	SPIRE SMECLL#2Conf(N) . SHD66	SME.-	-		S266	021BS-30	66		CS-S266		CVVUCR	33	211121 J030	110	1S	1S
-																
022	SPIRE SMECLL#1Pwr1/A(N) . S1	SMF.-	-		S267	021BS-30	67				CVVUCR	33	211121 J030	067	1S	1S
023	SPIRE SMECLL#1Pwr1/A(N) . R1	SMF.-	-		S267	021BS-30	67				CVVUCR	33	211121 J030	066	1S	1S
004	SPIRE SMECLL#1Pwr1/A(N) . SHD67	SMF.-	-		S267	021BS-30	67		CS-S267		CVVUCR	33	211121 J030	078	1S	1S
-																
005	SPIRE SMECLL#1Pwr2/B(N) . S2	SMF.-	-		S268	021BS-30	68				CVVUCR	33	211121 J030	069	1S	1S
006	SPIRE SMECLL#1Pwr2/B(N) . R2	SMF.-	-		S268	021BS-30	68				CVVUCR	33	211121 J030	068	1S	1S
024	SPIRE SMECLL#1Pwr2/B(N) . SHD68	SMF.-	-		S268	021BS-30	68		CS-S268		CVVUCR	33	211121 J030	080	1S	1S
-																
025	SPIRE SMECLL#2Pwr1/A(N) . S1	SMF.-	-		S269	021BS-30	69				CVVUCR	33	211121 J030	090	1S	1S
026	SPIRE SMECLL#2Pwr1/A(N) . R1	SMF.-	-		S269	021BS-30	69				CVVUCR	33	211121 J030	091	1S	1S
007	SPIRE SMECLL#2Pwr1/A(N) . SHD69	SMF.-	-		S269	021BS-30	69		CS-S269		CVVUCR	33	211121 J030	079	1S	1S
-																
008	SPIRE SMECLL#2Pwr2/B(N) . S2	SMF.-	-		S270	021BS-30	70				CVVUCR	33	211121 J030	092	1S	1S
009	SPIRE SMECLL#2Pwr2/B(N) . R2	SMF.-	-		S270	021BS-30	70				CVVUCR	33	211121 J030	093	1S	1S
027	SPIRE SMECLL#2Pwr2/B(N) . SHD70	SMF.-	-		S270	021BS-30	70		CS-S270		CVVUCR	33	211121 J030	081	1S	1S
-																
028	SPIRE SMECTemp(N) . I+	SMC.-	-		S271	041SS-38	71				CVVUCR	33	211121 J030	088	1S	1S
011	SPIRE SMECTemp(N) . I-	SMC.-	-		S271	041SS-38	71				CVVUCR	33	211121 J030	089	1S	1S
010	SPIRE SMECTemp(N) . V+	SMC.-	-		S271	041SS-38	71				CVVUCR	33	211121 J030	099	1S	1S
029	SPIRE SMECTemp(N) . V-	SMC.-	-		S271	041SS-38	71				CVVUCR	33	211121 J030	100	1S	1S
030	SPIRE SMECTemp(N) . SHD71	SMC.-	-		S271	041SS-38	71		CS-S271		CVVUCR	33	211121 J030	077	1S	1S
-																
031	SPIRE SMEC/SOB I/FTmp(N) . I+	SMC.-	-		S272	041SS-38	72				CVVUCR	33	211121 J030	054	1S	1S
014	SPIRE SMEC/SOB I/FTmp(N) . I-	SMC.-	-		S272	041SS-38	72				CVVUCR	33	211121 J030	053	1S	1S
013	SPIRE SMEC/SOB I/FTmp(N) . V+	SMC.-	-		S272	041SS-38	72				CVVUCR	33	211121 J030	065	1S	1S
032	SPIRE SMEC/SOB I/FTmp(N) . V-	SMC.-	-		S272	041SS-38	72				CVVUCR	33	211121 J030	064	1S	1S

Pin Allocation List (Harness)

Connector: 121100 P027
Item: HSFPU

Function / Bundle: SPIRE FPU Filter SMEC L. Pr. / SIH-XS-11

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
012	SPIRE SMEC/SOB I/FTmp(N) . SHD72		SMC.-	-	S272	041SS-38			72	CS-S272	CVVUCR	33	211121 J030	076	1S	1S
-																
033	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30			73		CVVUCR	33	211121 J030	101	1S	1S
034	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30			73		CVVUCR	33	211121 J030	102	1S	1S
015	SPIRE SMECLVDTPriCIPw(N) . SHD73		SMA.-	-	S273	021BS-30			73	CS-S273	CVVUCR	33	211121 J030	112	1S	1S
-																
035	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30			74		CVVUCR	33	211121 J030	127	1S	1S
036	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30			74		CVVUCR	33	211121 J030	120	1S	1S
017	SPIRE SMECLVDTSCI#1Sg(N) . SHD74		SMB.-	-	S274	021BS-30			74	CS-S274	CVVUCR	33	211121 J030	128	1S	1S
-																
018	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30			75		CVVUCR	33	211121 J030	114	1S	1S
019	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30			75		CVVUCR	33	211121 J030	113	1S	1S
037	SPIRE SMECLVDTSCI#2Sg(N) . SHD75		SMB.-	-	S275	021BS-30			75	CS-S275	CVVUCR	33	211121 J030	121	1S	1S
-																
CH	SPIRE FPU SMEC Faraday . SFF		SFF.-	-	S300	010B0-30					CVVUCR	33	211121 J030	104	1S	1S
-																
-	1 pin is NC									The following Pin is NC :						
-										;016						

Pin Allocation List

(Harness)

Connector: 121100 P029
Item: HSFPU

Function / Bundle: SPIRE FPU Filt-SMEC Cntr. Pr / SIH-XS-11

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMEC Drv Coil (N) . I+	SMD.-	-		S276	021BS-30	76				CVVUCR	33	211121 J030	012	1S 1S
002	SPIRE SMEC Drv Coil (N) . I-	SMD.-	-		S276	021BS-30	76				CVVUCR	33	211121 J030	005	1S 1S
020	SPIRE SMEC Drv Coil (N) . SHD76	SMD.-	-		S276	021BS-30	76		CS-S276		CVVUCR	33	211121 J030	013	1S 1S
-															
021	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.-	-		S277	021BS-30	77				CVVUCR	33	211121 J030	022	1S 1S
022	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.-	-		S277	021BS-30	77				CVVUCR	33	211121 J030	007	1S 1S
003	SPIRE SMEC Drv Coil (Rob) (N) . SHD77	SMD.-	-		S277	021BS-30	77		CS-S277		CVVUCR	33	211121 J030	013	1S 1S
-															
004	SPIRE SMEC Drv Sense (N) . Sen+	SMG.-	-		S278	021BS-38	78				CVVUCR	33	211121 J030	014	1S 1S
005	SPIRE SMEC Drv Sense (N) . Sen-	SMG.-	-		S278	021BS-38	78				CVVUCR	33	211121 J030	024	1S 1S
023	SPIRE SMEC Drv Sense (N) . SHD78	SMG.-	-		S278	021BS-38	78		CS-S278		CVVUCR	33	211121 J030	023	1S 1S
-															
007	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.-	-		S279	021BS-38	79				CVVUCR	33	211121 J030	009	1S 1S
008	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.-	-		S279	021BS-38	79				CVVUCR	33	211121 J030	002	1S 1S
026	SPIRE SMEC PosSeLEDpwr(N) . SHD79	SMH.-	-		S279	021BS-38	79		CS-S279		CVVUCR	33	211121 J030	003	1S 1S
-															
027	SPIRE SMEC PosSensPwr(N) . S	SMH.-	-		S280	021BS-38	80				CVVUCR	33	211121 J030	011	1S 1S
028	SPIRE SMEC PosSensPwr(N) . R	SMH.-	-		S280	021BS-38	80				CVVUCR	33	211121 J030	004	1S 1S
009	SPIRE SMEC PosSensPwr(N) . SHD80	SMH.-	-		S280	021BS-38	80		CS-S280		CVVUCR	33	211121 J030	010	1S 1S
-															
010	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.-	-		S281	021SS-38	81				CVVUCR	33	211121 J030	018	1S 1S
011	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.-	-		S281	021SS-38	81				CVVUCR	33	211121 J030	019	1S 1S
029	SPIRE SMEC PosPhDi#1(N) . SHD81	SMJ.-	-		S281	021SS-38	81		CS-S281		CVVUCR	33	211121 J030	029	1S 1S
-															
030	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.-	-		S282	021SS-38	82				CVVUCR	33	211121 J030	056	1S 1S
031	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.-	-		S282	021SS-38	82				CVVUCR	33	211121 J030	055	1S 1S
012	SPIRE SMEC PosPhDi#1FB(N) . SHD82	SMK.-	-		S282	021SS-38	82		CS-S282		CVVUCR	33	211121 J030	044	1S 1S
-															
-															
013	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.-	-		S283	021SS-38	83				CVVUCR	33	211121 J030	042	1S 1S
014	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.-	-		S283	021SS-38	83				CVVUCR	33	211121 J030	041	1S 1S
032	SPIRE SMEC PosPhDi#2(N) . SHD83	SMJ.-	-		S283	021SS-38	83		CS-S283		CVVUCR	33	211121 J030	030	1S 1S
-															
033	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.-	-		S284	021SS-38	84				CVVUCR	33	211121 J030	034	1S 1S

Pin Allocation List (Harness)

Connector: 121100 P029
Item: HSFPU

Function / Bundle: SPIRE FPU Filt-SMEC Cntr. Pr / SIH-XS-11

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
034	SPIRE SMEC PosPhDi#2FB(N) . R		SMK.-	-	S284	021SS-38	84				CVVUCR	33	211121 J030	033	1S	1S
015	SPIRE SMEC PosPhDi#2FB(N) . SHD84		SMK.-	-	S284	021SS-38	84		CS-S284		CVVUCR	33	211121 J030	045	1S	1S
-																
016	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.-	-	S285	021SS-38	85				CVVUCR	33	211121 J030	020	1S	1S
017	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.-	-	S285	021SS-38	85				CVVUCR	33	211121 J030	021	1S	1S
035	SPIRE SMEC PosPhDi#3(N) . SHD85		SMJ.-	-	S285	021SS-38	85		CS-S285		CVVUCR	33	211121 J030	031	1S	1S
-																
036	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	86				CVVUCR	33	211121 J030	058	1S	1S
037	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	86				CVVUCR	33	211121 J030	057	1S	1S
018	SPIRE SMEC PosPhDi#3FB(N) . SHD86		SMK.-	-	S286	021SS-38	86		CS-S286		CVVUCR	33	211121 J030	046	1S	1S
-																
CH	SPIRE FPU SMEC Contr. Faraday . SFF		SFF.-	-	S301	010B0-30					CVVUCR	33	211121 J030	006	1S	1S
-																
-	4 pins are NC								The following Pins are NC :							
-									;006 ;019 ;024 ;025							

Pin Allocation List

(Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(N) . 1		SBA.-	-	S041	021SS-38	41				HSFPU	70	121100 P025	001	1S 1S
040	SPIRE ChopSensor1&2(N) . 2		SBA.-	-	S041	021SS-38	41				HSFPU	70	121100 P025	020	1S
039	SPIRE ChopSensor1&2(N) . SHD41		SBA.-	-	S041	021SS-38	41		CS-S04		HSFPU	70	121100 P025	022	1S 1S
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.-	-	S043	031BS-38	43				HSFPU	70	121100 P025	002	1S 1S
017	SPIRE ChopSensor3-5(N) . 4		SBB.-	-	S043	031BS-38	43				HSFPU	70	121100 P025	021	1S
016	SPIRE ChopSensor3-5(N) . 5		SBB.-	-	S043	031BS-38	43				HSFPU	70	121100 P025	003	1S
027	SPIRE ChopSensor3-5(N) . SHD43		SBB.-	-	S043	031BS-38	43		CS-S043		HSFPU	70	121100 P025	022	1S 1S
-															
049	SPIRE JiggleSensor1&2(N) . 1		SBA.-	-	S045	021SS-38	45				HSFPU	70	121100 P025	004	1S 1S
050	SPIRE JiggleSensor1&2(N) . 2		SBA.-	-	S045	021SS-38	45				HSFPU	70	121100 P025	023	1S
038	SPIRE JiggleSensor1&2(N) . SHD45		SBA.-	-	S045	021SS-38	45		CS-S045		HSFPU	70	121100 P025	022	1S 1S
-															
015	SPIRE JiggleSensor3-5(N) . 3		SBB.-	-	S048	031BS-38	48				HSFPU	70	121100 P025	005	1S 1S
025	SPIRE JiggleSensor3-5(N) . 4		SBB.-	-	S048	031BS-38	48				HSFPU	70	121100 P025	024	1S
037	SPIRE JiggleSensor3-5(N) . 5		SBB.-	-	S048	031BS-38	48				HSFPU	70	121100 P025	006	1S
026	SPIRE JiggleSensor3-5(N) . SHD48		SBB.-	-	S048	031BS-38	48		CS-S048		HSFPU	70	121100 P025	022	1S 1S
-															
086	SPIRE BSMTemp(N) . I+		SBC.-	-	S103	041SS-38	3				HSFPU	70	121100 P025	007	1S 1S
097	SPIRE BSMTemp(N) . V+		SBC.-	-	S103	041SS-38	3				HSFPU	70	121100 P025	026	1S 1S
098	SPIRE BSMTemp(N) . V-		SBC.-	-	S103	041SS-38	3				HSFPU	70	121100 P025	008	1S 1S
087	SPIRE BSMTemp(N) . I-		SBC.-	-	S103	041SS-38	3				HSFPU	70	121100 P025	027	1S 1S
075	SPIRE BSMTemp(N) . SHD03		SBC.-	-	S103	041SS-38	3		CS-S103		HSFPU	70	121100 P025	025	1S 1S
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.-	-	S260	041BS-30	60				HSFPU	70	121100 P025	028	1S 1S
071	SPIRE P-Cal Htr(N) . I+B		SBD.-	-	S260	041BS-30	60				HSFPU	70	121100 P025	010	1S 1S
060	SPIRE P-Cal Htr(N) . I-A		SBD.-	-	S260	041BS-30	60				HSFPU	70	121100 P025	029	1S 1S
059	SPIRE P-Cal Htr(N) . I-B		SBD.-	-	S260	041BS-30	60				HSFPU	70	121100 P025	011	1S 1S
036	SPIRE P-Cal Htr(N) . SHD60		SBD.-	-	S260	041BS-30	60		CS-S260		HSFPU	70	121100 P025	009	1S 1S
-															
108	SPIRE BSMLchLtchConf(N) . 1		SBE.-	-	S261	021SS-38	61				HSFPU	70	121100 P025	030	1S 1S
116	SPIRE BSMLchLtchConf(N) . 2		SBE.-	-	S261	021SS-38	61				HSFPU	70	121100 P025	012	1S 1S
107	SPIRE BSMLchLtchConf(N) . SHD61		SBE.-	-	S261	021SS-38	61		CS-S261		HSFPU	70	121100 P025	031	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	62				HSFPU	70	121100 P025	013	1S 1S
115	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	62				HSFPU	70	121100 P025	032	1S 1S
106	SPIRE BSMLatchDrive(N) . SHD62		SBF.-	-	S262	021BS-30	62		CS-S262		HSFPU	70	121100 P025	033	1S 1S
-															
072	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	63				HSFPU	70	121100 P025	015	1S 1S
061	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	63				HSFPU	70	121100 P025	034	1S 1S
062	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	63				HSFPU	70	121100 P025	016	1S 1S
074	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	63				HSFPU	70	121100 P025	035	1S 1S
073	SPIRE ChopMotDrive(N) . SHD63		SBG.-	-	S263	041BS-30	63		CS-S263		HSFPU	70	121100 P025	017	1S 1S
-															
083	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	64				HSFPU	70	121100 P025	036	1S 1S
095	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	64				HSFPU	70	121100 P025	018	1S 1S
096	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	64				HSFPU	70	121100 P025	037	1S 1S
085	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	64				HSFPU	70	121100 P025	019	1S 1S
084	SPIRE JiggleMotDrive(N) . SHD64		SBG.-	-	S264	041BS-30	64		CS-S264		HSFPU	70	121100 P025	017	1S 1S
-															
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.-	-	S265	021BS-30	65				HSFPU	70	121100 P027	001	1S 1S
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.-	-	S265	021BS-30	65				HSFPU	70	121100 P027	020	1S 1S
109	SPIRE SMECLLtch#1Conf(N) . SHD65		SME.-	-	S265	021BS-30	65		CS-S265		HSFPU	70	121100 P027	003	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.-	-	S266	021BS-30	66				HSFPU	70	121100 P027	002	1S 1S
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.-	-	S266	021BS-30	66				HSFPU	70	121100 P027	021	1S 1S
110	SPIRE SMECLLtch#2Conf(N) . SHD66		SME.-	-	S266	021BS-30	66		CS-S266		HSFPU	70	121100 P027	003	1S 1S
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.-	-	S267	021BS-30	67				HSFPU	70	121100 P027	022	1S 1S
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.-	-	S267	021BS-30	67				HSFPU	70	121100 P027	023	1S 1S
078	SPIRE SMECLL#1Pwr1/A(N) . SHD67		SMF.-	-	S267	021BS-30	67		CS-S267		HSFPU	70	121100 P027	004	1S 1S
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.-	-	S268	021BS-30	68				HSFPU	70	121100 P027	005	1S 1S
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.-	-	S268	021BS-30	68				HSFPU	70	121100 P027	006	1S 1S
080	SPIRE SMECLL#1Pwr2/B(N) . SHD68		SMF.-	-	S268	021BS-30	68		CS-S268		HSFPU	70	121100 P027	024	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.-	-	S269	021BS-30	69				HSFPU	70	121100 P027	025	1S 1S
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.-	-	S269	021BS-30	69				HSFPU	70	121100 P027	026	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
079	SPIRE SMECLL#2Pwr1/A(N) . SHD69		SMF.-	-	S269	021BS-30	69			CS-S269	HSFPU	70	121100 P027	007	1S	1S
-																
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.-	-	S270	021BS-30	70				HSFPU	70	121100 P027	008	1S	1S
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.-	-	S270	021BS-30	70				HSFPU	70	121100 P027	009	1S	1S
081	SPIRE SMECLL#2Pwr2/B(N) . SHD70		SMF.-	-	S270	021BS-30	70			CS-S270	HSFPU	70	121100 P027	027	1S	1S
-																
088	SPIRE SMECTemp(N) . I+		SMC.-	-	S271	041SS-38	71				HSFPU	70	121100 P027	028	1S	1S
089	SPIRE SMECTemp(N) . I-		SMC.-	-	S271	041SS-38	71				HSFPU	70	121100 P027	011	1S	1S
099	SPIRE SMECTemp(N) . V+		SMC.-	-	S271	041SS-38	71				HSFPU	70	121100 P027	010	1S	1S
100	SPIRE SMECTemp(N) . V-		SMC.-	-	S271	041SS-38	71				HSFPU	70	121100 P027	029	1S	1S
077	SPIRE SMECTemp(N) . SHD71		SMC.-	-	S271	041SS-38	71			CS-S271	HSFPU	70	121100 P027	030	1S	1S
-																
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.-	-	S272	041SS-38	72				HSFPU	70	121100 P027	031	1S	1S
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.-	-	S272	041SS-38	72				HSFPU	70	121100 P027	014	1S	1S
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.-	-	S272	041SS-38	72				HSFPU	70	121100 P027	013	1S	1S
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.-	-	S272	041SS-38	72				HSFPU	70	121100 P027	032	1S	1S
076	SPIRE SMEC/SOB I/FTmp(N) . SHD72		SMC.-	-	S272	041SS-38	72			CS-S272	HSFPU	70	121100 P027	012	1S	1S
-																
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30	73				HSFPU	70	121100 P027	033	1S	1S
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30	73				HSFPU	70	121100 P027	034	1S	1S
112	SPIRE SMECLVDTPriCIPw(N) . SHD73		SMA.-	-	S273	021BS-30	73			CS-S273	HSFPU	70	121100 P027	015	1S	1S
-																
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30	74				HSFPU	70	121100 P027	035	1S	1S
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30	74				HSFPU	70	121100 P027	036	1S	1S
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD74		SMB.-	-	S274	021BS-30	74			CS-S274	HSFPU	70	121100 P027	017	1S	1S
-																
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30	75				HSFPU	70	121100 P027	018	1S	1S
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30	75				HSFPU	70	121100 P027	019	1S	1S
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD75		SMB.-	-	S275	021BS-30	75			CS-S275	HSFPU	70	121100 P027	037	1S	1S
-																
012	SPIRE SMEC Drv Coil (N) . I+		SMD.-	-	S276	021BS-30	76				HSFPU	70	121100 P029	001	1S	1S
005	SPIRE SMEC Drv Coil (N) . I-		SMD.-	-	S276	021BS-30	76				HSFPU	70	121100 P029	002	1S	1S
013	SPIRE SMEC Drv Coil (N) . SHD76		SMD.-	-	S276	021BS-30	76			CS-S276	HSFPU	70	121100 P029	020	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 211121 J030

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
022	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.-	-		S277	021BS-30	77				HSFPU	70	121100 P029	021	1S	1S
007	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.-	-		S277	021BS-30	77				HSFPU	70	121100 P029	022	1S	1S
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD77	SMD.-	-		S277	021BS-30	77		CS-S277		HSFPU	70	121100 P029	003	1S	1S
-																
014	SPIRE SMEC Drv Sense (N) . Sen+	SMG.-	-		S278	021BS-38	78				HSFPU	70	121100 P029	004	1S	1S
024	SPIRE SMEC Drv Sense (N) . Sen-	SMG.-	-		S278	021BS-38	78				HSFPU	70	121100 P029	005	1S	1S
023	SPIRE SMEC Drv Sense (N) . SHD78	SMG.-	-		S278	021BS-38	78		CS-S278		HSFPU	70	121100 P029	023	1S	1S
-																
009	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.-	-		S279	021BS-38	79				HSFPU	70	121100 P029	007	1S	1S
002	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.-	-		S279	021BS-38	79				HSFPU	70	121100 P029	008	1S	1S
003	SPIRE SMEC PosSeLEDpwr(N) . SHD79	SMH.-	-		S279	021BS-38	79		CS-S279		HSFPU	70	121100 P029	026	1S	1S
-																
011	SPIRE SMEC PosSensPwr(N) . S	SMH.-	-		S280	021BS-38	80				HSFPU	70	121100 P029	027	1S	1S
004	SPIRE SMEC PosSensPwr(N) . R	SMH.-	-		S280	021BS-38	80				HSFPU	70	121100 P029	028	1S	1S
010	SPIRE SMEC PosSensPwr(N) . SHD80	SMH.-	-		S280	021BS-38	80		CS-S280		HSFPU	70	121100 P029	009	1S	1S
-																
018	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.-	-		S281	021SS-38	81				HSFPU	70	121100 P029	010	1S	1S
019	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.-	-		S281	021SS-38	81				HSFPU	70	121100 P029	011	1S	1S
029	SPIRE SMEC PosPhDi#1(N) . SHD81	SMJ.-	-		S281	021SS-38	81		CS-S281		HSFPU	70	121100 P029	029	1S	1S
-																
056	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.-	-		S282	021SS-38	82				HSFPU	70	121100 P029	030	1S	1S
055	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.-	-		S282	021SS-38	82				HSFPU	70	121100 P029	031	1S	1S
044	SPIRE SMEC PosPhDi#1FB(N) . SHD82	SMK.-	-		S282	021SS-38	82		CS-S282		HSFPU	70	121100 P029	012	1S	1S
-																
042	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.-	-		S283	021SS-38	83				HSFPU	70	121100 P029	013	1S	1S
041	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.-	-		S283	021SS-38	83				HSFPU	70	121100 P029	014	1S	1S
030	SPIRE SMEC PosPhDi#2(N) . SHD83	SMJ.-	-		S283	021SS-38	83		CS-S283		HSFPU	70	121100 P029	032	1S	1S
-																
034	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.-	-		S284	021SS-38	84				HSFPU	70	121100 P029	033	1S	1S
033	SPIRE SMEC PosPhDi#2FB(N) . R	SMK.-	-		S284	021SS-38	84				HSFPU	70	121100 P029	034	1S	1S
045	SPIRE SMEC PosPhDi#2FB(N) . SHD84	SMK.-	-		S284	021SS-38	84		CS-S284		HSFPU	70	121100 P029	015	1S	1S
-																
020	SPIRE SMEC PosPhDi#3(N) . I+	SMJ.-	-		S285	021SS-38	85				HSFPU	70	121100 P029	016	1S	1S
021	SPIRE SMEC PosPhDi#3(N) . I-	SMJ.-	-		S285	021SS-38	85				HSFPU	70	121100 P029	017	1S	1S

Pin Allocation List (Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
031	SPIRE SMEC PosPhDi#3(N) . SHD85		SMJ.-	-	S285	021SS-38	85		CS-S285	HSFPU	70	121100 P029	035	1S	1S	
-																
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	86			HSFPU	70	121100 P029	036	1S	1S	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	86			HSFPU	70	121100 P029	037	1S	1S	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD86		SMK.-	-	S286	021SS-38	86		CS-S2826	HSFPU	70	121100 P029	018	1S	1S	
-																
006	SPIRE FPU SMEC Contr. Faraday . SFF		SFF.-	-	S301	010B0-30				HSFPU	70	121100 P029	CH	1S	1S	
082	SPIRE FPU BSM Faraday . SFF		SFF.-	-	S252	010B0-30				HSFPU	70	121100 P025	CH	1S	1S	
104	SPIRE FPU SMEC Faraday . SFF		SFF.-	-	S300	010B0-30				HSFPU	70	121100 P027	CH	1S	1S	
-																
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
035	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
047	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
070	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
104	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
107	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
109	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
110	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
122	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
123	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
124	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
125	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
126	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
-																
-	CH to be isolated from FCR														1S	
-																
029	Interconnection Star Pin								Star Pin for Shield Interconnection						1S	
030	to be con to pin 029								shield interconnection						1S	

Pin Allocation List (Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	to be con to pin 029									shield interconnection					1S
-															1S
039	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
026	to be con to pin 039									shield interconnection					1S
027	to be con to pin 039									shield interconnection					1S
038	to be con to pin 039									shield interconnection					1S
-															1S
044	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
045	to be con to pin 044									shield interconnection					1S
046	to be con to pin 044									shield interconnection					1S
-															1S
073	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
084	to be con to pin 073									shield interconnection					1S
-															1S
077	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
076	to be con to pin 077									shield interconnection					1S
078	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
080	to be con to pin 078									shield interconnection					1S
081	to be con to pin 078									shield interconnection					1S
-															1S
112	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
121	to be con to pin 112									shield interconnection					1S
128	to be con to pin 112									shield interconnection					1S
-															1S
078	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
079	to be con to pin 078									shield interconnection					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 J030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 121100 P024
Item: HSFPU

Function / Bundle: SPIRE FPU Filter Termometry / SIH-XS-12

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
020	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	6				CVWUCR	33	211121 J033	089	1S	1S
021	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	6				CVWUCR	33	211121 J033	088	1S	1S
002	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	6				CVWUCR	33	211121 J033	100	1S	1S
003	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	6				CVWUCR	33	211121 J033	099	1S	1S
001	SPIRE FilterTemp(R) . SHD06		STA.-	-	S306	041SS-38	6			CS-S306	CVWUCR	33	211121 J033	101	1S	1S
-																
004	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	7				CVWUCR	33	211121 J033	118	1S	1S
005	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	7				CVWUCR	33	211121 J033	119	1S	1S
023	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	7				CVWUCR	33	211121 J033	125	1S	1S
024	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	7				CVWUCR	33	211121 J033	126	1S	1S
022	SPIRE SpectDetBoxTemp(R) . SHD07		STA.-	-	S307	041SS-38	7			CS-S307	CVWUCR	33	211121 J033	110	1S	1S
-																
025	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	8				CVWUCR	33	211121 J033	123	1S	1S
026	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	8				CVWUCR	33	211121 J033	124	1S	1S
007	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	8				CVWUCR	33	211121 J033	116	1S	1S
008	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	8				CVWUCR	33	211121 J033	117	1S	1S
006	SPIRE PhotomDetBoxTmp(R) . SHD08		STA.-	-	S308	041SS-38	8			CS-S308	CVWUCR	33	211121 J033	108	1S	1S
-																
009	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	9				CVWUCR	33	211121 J033	106	1S	1S
010	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	9				CVWUCR	33	211121 J033	115	1S	1S
028	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	9				CVWUCR	33	211121 J033	107	1S	1S
029	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	9				CVWUCR	33	211121 J033	122	1S	1S
027	SPIRE OptSubbenchTmp(R) . SHD09		STA.-	-	S309	041SS-38	9			CS-S309	CVWUCR	33	211121 J033	105	1S	1S
-																
030	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	10				CVWUCR	33	211121 J033	097	1S	1S
031	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	10				CVWUCR	33	211121 J033	098	1S	1S
012	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	10				CVWUCR	33	211121 J033	086	1S	1S
013	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	10				CVWUCR	33	211121 J033	087	1S	1S
011	SPIRE FPUInpBaffleTmp(R) . SHD10		STA.-	-	S310	041SS-38	10			CS-S310	CVWUCR	33	211121 J033	109	1S	1S
-																
014	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	11				CVWUCR	33	211121 J033	073	1S	1S
015	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	11				CVWUCR	33	211121 J033	084	1S	1S
033	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	11				CVWUCR	33	211121 J033	074	1S	1S
034	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	11				CVWUCR	33	211121 J033	085	1S	1S

Pin Allocation List (Harness)

Connector: 121100 P024
Item: HSFPU

Function / Bundle: SPIRE FPU Filter Termometry / SIH-XS-12

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
032	SPIRE BSM/SOB I/FTmp(R) . SHD11		STA.-	-	S311	041SS-38	11			CS-S311	CVVUCR	33	211121 J033	096	1S	1S
-																
017	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	12				CVVUCR	33	211121 J033	079	1S	
018	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	12				CVVUCR	33	211121 J033	078	1S	
036	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	12				CVVUCR	33	211121 J033	068	1S	
037	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	12				CVVUCR	33	211121 J033	067	1S	
035	SPIRE PTC Htr(R) . SHD12		STB.-	-	S312	041BS-30	12			CS-S312	CVVUCR	33	211121 J033	090	1S	1S
-																
CH	SPIRE FPU FT Faraday . SFF		SFF.-	-	S302	010B0-30					CVVUCR	33	211121 J033	094	1S	1S
-																
-	2 pins are NC									The following Pins are NC :						
-										;016 ;019						

Pin Allocation List (Harness)

Connector: 121100 P022
Item: HSFPU

Function / Bundle: SPIRE FPU Filt. Spect. Stim. / SIH-XS-12

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE Spectr4%Temp (R) . I+	SCA.-	-	-	S295	041SS-38	95				CVWUCR	33	211121 J033	111	1S	1S
025	SPIRE Spectr4%Temp (R) . I-	SCA.-	-	-	S295	041SS-38	95				CVWUCR	33	211121 J033	112	1S	1S
006	SPIRE Spectr4%Temp (R) . V+	SCA.-	-	-	S295	041SS-38	95				CVWUCR	33	211121 J033	120	1S	1S
024	SPIRE Spectr4%Temp (R) . V-	SCA.-	-	-	S295	041SS-38	95				CVWUCR	33	211121 J033	128	1S	1S
023	SPIRE Spectr4%Temp (R) . SHD95	SCA.-	-	-	S295	041SS-38	95			CS-S295	CVWUCR	33	211121 J033	121	1S	1S
-																
007	SPIRE Spectr2%Temp (R) . I+	SCA.-	-	-	S296	041SS-38	96				CVWUCR	33	211121 J033	091	1S	1S
027	SPIRE Spectr2%Temp (R) . I-	SCA.-	-	-	S296	041SS-38	96				CVWUCR	33	211121 J033	080	1S	1S
008	SPIRE Spectr2%Temp (R) . V+	SCA.-	-	-	S296	041SS-38	96				CVWUCR	33	211121 J033	092	1S	1S
026	SPIRE Spectr2%Temp (R) . V-	SCA.-	-	-	S296	041SS-38	96				CVWUCR	33	211121 J033	081	1S	1S
009	SPIRE Spectr2%Temp (R) . SHD96	SCA.-	-	-	S296	041SS-38	96			CS-S296	CVWUCR	33	211121 J033	093	1S	1S
-																
010	SPIRE SpStimFlanTemp(R) . I+	SCA.-	-	-	S297	041SS-38	97				CVWUCR	33	211121 J033	114	1S	1S
029	SPIRE SpStimFlanTemp(R) . I-	SCA.-	-	-	S297	041SS-38	97				CVWUCR	33	211121 J033	104	1S	1S
011	SPIRE SpStimFlanTemp(R) . V+	SCA.-	-	-	S297	041SS-38	97				CVWUCR	33	211121 J033	113	1S	1S
028	SPIRE SpStimFlanTemp(R) . V-	SCA.-	-	-	S297	041SS-38	97				CVWUCR	33	211121 J033	103	1S	1S
030	SPIRE SpStimFlanTemp(R) . SHD97	SCA.-	-	-	S297	041SS-38	97			CS-S297	CVWUCR	33	211121 J033	102	1S	1S
-																
014	SPIRE Spectr4%Heater (R) . I+A	SCB.-	-	-	S298	040B0-30					CVWUCR	33	211121 J033	035	1S	
015	SPIRE Spectr4%Heater (R) . I+B	SCB.-	-	-	S298	040B0-30					CVWUCR	33	211121 J033	024		
033	SPIRE Spectr4%Heater (R) . I-A	SCB.-	-	-	S298	040B0-30					CVWUCR	33	211121 J033	034		
034	SPIRE Spectr4%Heater (R) . I-B	SCB.-	-	-	S298	040B0-30					CVWUCR	33	211121 J033	023		
-																
016	SPIRE Spectr2%Heater (R) . I+A	SCB.-	-	-	S299	040B0-30					CVWUCR	33	211121 J033	046	1S	
017	SPIRE Spectr2%Heater (R) . I+B	SCB.-	-	-	S299	040B0-30					CVWUCR	33	211121 J033	058		
035	SPIRE Spectr2%Heater (R) . I-A	SCB.-	-	-	S299	040B0-30					CVWUCR	33	211121 J033	045		
036	SPIRE Spectr2%Heater (R) . I-B	SCB.-	-	-	S299	040B0-30					CVWUCR	33	211121 J033	057		
-																1S
CH	SPIRE FPU FSS2 Faraday . SFF	SFF.-	-	-	S303	010B0-30					CVWUCR	33	211121 J033	047	1S	1S
-																1S
-	14 pins are NC									The following Pins are NC :						
-										;001 ;002 ;003 ;004 ;012 ;013						
-										;018 ;019 ;020 ;021 ;022 ;031						
-										;032 ;037						

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List

(Harness)

Connector: 121100 P020**Function / Bundle:** SPIRE FPU Filter Cooler / SIH-XS-12**Conn.-Type:** MWDM2L-37P-6C3-.630**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
020	SPIRE SorptPumpTemp(R) . I+	S3E.-	-		S287	041SS-38	87				CVWUCR	33	211121 J033	029	1S	1S
021	SPIRE SorptPumpTemp(R) . I-	S3E.-	-		S287	041SS-38	87				CVWUCR	33	211121 J033	030	1S	1S
001	SPIRE SorptPumpTemp(R) . V+	S3E.-	-		S287	041SS-38	87				CVWUCR	33	211121 J033	041	1S	1S
002	SPIRE SorptPumpTemp(R) . V-	S3E.-	-		S287	041SS-38	87				CVWUCR	33	211121 J033	042	1S	1S
003	SPIRE SorptPumpTemp(R) . SHD87	S3E.-	-		S287	041SS-38	87			CS-S287	CVWUCR	33	211121 J033	031	1S	1S
-																
022	SPIRE EvaporatorTemp(R) . I+	S3E.-	-		S288	041SS-38	88				CVWUCR	33	211121 J033	077	1S	1S
023	SPIRE EvaporatorTemp(R) . I-	S3E.-	-		S288	041SS-38	88				CVWUCR	33	211121 J033	076	1S	1S
004	SPIRE EvaporatorTemp(R) . V+	S3E.-	-		S288	041SS-38	88				CVWUCR	33	211121 J033	066	1S	1S
005	SPIRE EvaporatorTemp(R) . V-	S3E.-	-		S288	041SS-38	88				CVWUCR	33	211121 J033	065	1S	1S
024	SPIRE EvaporatorTemp(R) . SHD88	S3E.-	-		S288	041SS-38	88			CS-S288	CVWUCR	33	211121 J033	054	1S	1S
-																
025	SPIRE SorptPumpSwTemp(R) . I+	S3E.-	-		S289	041SS-38	89				CVWUCR	33	211121 J033	053	1S	1S
026	SPIRE SorptPumpSwTemp(R) . I-	S3E.-	-		S289	041SS-38	89				CVWUCR	33	211121 J033	052	1S	1S
006	SPIRE SorptPumpSwTemp(R) . V+	S3E.-	-		S289	041SS-38	89				CVWUCR	33	211121 J033	064	1S	1S
007	SPIRE SorptPumpSwTemp(R) . V-	S3E.-	-		S289	041SS-38	89				CVWUCR	33	211121 J033	063	1S	1S
008	SPIRE SorptPumpSwTemp(R) . SHD89	S3E.-	-		S289	041SS-38	89			CS-S289	CVWUCR	33	211121 J033	075	1S	1S
-																
027	SPIRE EvaporSwTemp(R) . I+	S3E.-	-		S290	041SS-38	90				CVWUCR	33	211121 J033	050	1S	1S
028	SPIRE EvaporSwTemp(R) . I-	S3E.-	-		S290	041SS-38	90				CVWUCR	33	211121 J033	061	1S	1S
009	SPIRE EvaporSwTemp(R) . V+	S3E.-	-		S290	041SS-38	90				CVWUCR	33	211121 J033	062	1S	1S
010	SPIRE EvaporSwTemp(R) . V-	S3E.-	-		S290	041SS-38	90				CVWUCR	33	211121 J033	051	1S	1S
029	SPIRE EvaporSwTemp(R) . SHD90	S3E.-	-		S290	041SS-38	90			CS-S290	CVWUCR	33	211121 J033	039	1S	1S
-																
030	SPIRE ThermShuntTemp(R) . I+A	S3E.-	-		S291	041SS-38	91				CVWUCR	33	211121 J033	011	1S	1S
011	SPIRE ThermShuntTemp(R) . V+B	S3E.-	-		S291	041SS-38	91				CVWUCR	33	211121 J033	019	1S	1S
012	SPIRE ThermShuntTemp(R) . V-A	S3E.-	-		S291	041SS-38	91				CVWUCR	33	211121 J033	018	1S	1S
031	SPIRE ThermShuntTemp(R) . I-B	S3E.-	-		S291	041SS-38	91				CVWUCR	33	211121 J033	010	1S	1S
013	SPIRE ThermShuntTemp(R) . SHD91	S3E.-	-		S291	041SS-38	91			CS-S291	CVWUCR	33	211121 J033	020	1S	1S
-																
014	SPIRE SorptPumpHtr(R) . I+A	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 J033	006	1S	
032	SPIRE SorptPumpHtr(R) . I+B	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 J033	013		
015	SPIRE SorptPumpHtr(R) . I-A	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 J033	005		
033	SPIRE SorptPumpHtr(R) . I-B	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 J033	012		

Pin Allocation List

(Harness)

Connector: 121100 P020**Function / Bundle:** SPIRE FPU Filter Cooler / SIH-XS-12**Conn.-Type:** MWDM2L-37P-6C3-.630**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
016	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 J033	022	1S
034	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 J033	033	
017	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 J033	021	
035	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 J033	032	
-															
018	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 J033	055	1S
036	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 J033	056	
019	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 J033	043	
037	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 J033	044	
-															
CH	SPIRE FPU FC 2 Faraday . SFF		SFF.-	-	S304	010B0-30					CVVUCR	33	211121 J033	004	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SorptPumpTemp(R) . I+	S3E.-	-		S287	041SS-38	87				HSFPU	70	121100 P020	020	1S 1S
030	SPIRE SorptPumpTemp(R) . I-	S3E.-	-		S287	041SS-38	87				HSFPU	70	121100 P020	021	1S 1S
041	SPIRE SorptPumpTemp(R) . V+	S3E.-	-		S287	041SS-38	87				HSFPU	70	121100 P020	001	1S 1S
042	SPIRE SorptPumpTemp(R) . V-	S3E.-	-		S287	041SS-38	87				HSFPU	70	121100 P020	002	1S 1S
031	SPIRE SorptPumpTemp(R) . SHD87	S3E.-	-		S287	041SS-38	87			CS-S287	HSFPU	70	121100 P020	003	1S 1S
-															
077	SPIRE EvaporatorTemp(R) . I+	S3E.-	-		S288	041SS-38	88				HSFPU	70	121100 P020	022	1S 1S
076	SPIRE EvaporatorTemp(R) . I-	S3E.-	-		S288	041SS-38	88				HSFPU	70	121100 P020	023	1S 1S
066	SPIRE EvaporatorTemp(R) . V+	S3E.-	-		S288	041SS-38	88				HSFPU	70	121100 P020	004	1S 1S
065	SPIRE EvaporatorTemp(R) . V-	S3E.-	-		S288	041SS-38	88				HSFPU	70	121100 P020	005	1S 1S
054	SPIRE EvaporatorTemp(R) . SHD88	S3E.-	-		S288	041SS-38	88			CS-S288	HSFPU	70	121100 P020	024	1S 1S
-															
053	SPIRE SorptPumpSwTemp(R) . I+	S3E.-	-		S289	041SS-38	89				HSFPU	70	121100 P020	025	1S 1S
064	SPIRE SorptPumpSwTemp(R) . V+	S3E.-	-		S289	041SS-38	89				HSFPU	70	121100 P020	006	1S 1S
063	SPIRE SorptPumpSwTemp(R) . V-	S3E.-	-		S289	041SS-38	89				HSFPU	70	121100 P020	007	1S 1S
052	SPIRE SorptPumpSwTemp(R) . I-	S3E.-	-		S289	041SS-38	89				HSFPU	70	121100 P020	026	1S 1S
075	SPIRE SorptPumpSwTemp(R) . SHD89	S3E.-	-		S289	041SS-38	89			CS-S89	HSFPU	70	121100 P020	008	1S 1S
-															
050	SPIRE EvaporSwTemp(R) . I+	S3E.-	-		S290	041SS-38	90				HSFPU	70	121100 P020	027	1S 1S
062	SPIRE EvaporSwTemp(R) . V+	S3E.-	-		S290	041SS-38	90				HSFPU	70	121100 P020	009	1S 1S
051	SPIRE EvaporSwTemp(R) . V-	S3E.-	-		S290	041SS-38	90				HSFPU	70	121100 P020	010	1S 1S
061	SPIRE EvaporSwTemp(R) . I-	S3E.-	-		S290	041SS-38	90				HSFPU	70	121100 P020	028	1S 1S
039	SPIRE EvaporSwTemp(R) . SHD90	S3E.-	-		S290	041SS-38	90			CS-S290	HSFPU	70	121100 P020	029	1S 1S
-															
011	SPIRE ThermShuntTemp(R) . I+A	S3E.-	-		S291	041SS-38	91				HSFPU	70	121100 P020	030	1S 1S
019	SPIRE ThermShuntTemp(R) . V+B	S3E.-	-		S291	041SS-38	91				HSFPU	70	121100 P020	011	1S 1S
018	SPIRE ThermShuntTemp(R) . V-A	S3E.-	-		S291	041SS-38	91				HSFPU	70	121100 P020	012	1S 1S
010	SPIRE ThermShuntTemp(R) . I-B	S3E.-	-		S291	041SS-38	91				HSFPU	70	121100 P020	031	1S 1S
020	SPIRE ThermShuntTemp(R) . SHD91	S3E.-	-		S291	041SS-38	91			CS-S291	HSFPU	70	121100 P020	013	1S 1S
-															
006	SPIRE SorptPumpHtr(R) . I+A	S3F.-	-		S292	040B0-30					HSFPU	70	121100 P020	014	1S
013	SPIRE SorptPumpHtr(R) . I+B	S3F.-	-		S292	040B0-30					HSFPU	70	121100 P020	032	
005	SPIRE SorptPumpHtr(R) . I-A	S3F.-	-		S292	040B0-30					HSFPU	70	121100 P020	015	
012	SPIRE SorptPumpHtr(R) . I-B	S3F.-	-		S292	040B0-30					HSFPU	70	121100 P020	033	

Pin Allocation List

(Harness)

Connector: 211121 J033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					HSFPU	70	121100 P020	016	1S
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					HSFPU	70	121100 P020	034	
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					HSFPU	70	121100 P020	017	
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					HSFPU	70	121100 P020	035	
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					HSFPU	70	121100 P020	018	1S
056	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					HSFPU	70	121100 P020	036	
043	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					HSFPU	70	121100 P020	019	
044	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					HSFPU	70	121100 P020	037	
-															
111	SPIRE Spectr4%Temp (R) . I+		SCA.-	-	S295	041SS-38	95				HSFPU	70	121100 P022	005	1S 1S
112	SPIRE Spectr4%Temp (R) . I-		SCA.-	-	S295	041SS-38	95				HSFPU	70	121100 P022	025	1S 1S
120	SPIRE Spectr4%Temp (R) . V+		SCA.-	-	S295	041SS-38	95				HSFPU	70	121100 P022	006	1S 1S
128	SPIRE Spectr4%Temp (R) . V-		SCA.-	-	S295	041SS-38	95				HSFPU	70	121100 P022	024	1S 1S
121	SPIRE Spectr4%Temp (R) . SHD95		SCA.-	-	S295	041SS-38	95		CS-S295		HSFPU	70	121100 P022	023	1S 1S
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.-	-	S296	041SS-38	96				HSFPU	70	121100 P022	007	1S 1S
080	SPIRE Spectr2%Temp (R) . I-		SCA.-	-	S296	041SS-38	96				HSFPU	70	121100 P022	027	1S 1S
092	SPIRE Spectr2%Temp (R) . V+		SCA.-	-	S296	041SS-38	96				HSFPU	70	121100 P022	008	1S 1S
081	SPIRE Spectr2%Temp (R) . V-		SCA.-	-	S296	041SS-38	96				HSFPU	70	121100 P022	026	1S 1S
093	SPIRE Spectr2%Temp (R) . SHD96		SCA.-	-	S296	041SS-38	96		CS-S296		HSFPU	70	121100 P022	009	1S 1S
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.-	-	S297	041SS-38	97				HSFPU	70	121100 P022	010	1S 1S
104	SPIRE SpStimFlanTemp(R) . I-		SCA.-	-	S297	041SS-38	97				HSFPU	70	121100 P022	029	1S 1S
113	SPIRE SpStimFlanTemp(R) . V+		SCA.-	-	S297	041SS-38	97				HSFPU	70	121100 P022	011	1S 1S
103	SPIRE SpStimFlanTemp(R) . V-		SCA.-	-	S297	041SS-38	97				HSFPU	70	121100 P022	028	1S 1S
102	SPIRE SpStimFlanTemp(R) . SHD97		SCA.-	-	S297	041SS-38	97		CS-S297		HSFPU	70	121100 P022	030	1S 1S
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.-	-	S298	040B0-30					HSFPU	70	121100 P022	014	1S
024	SPIRE Spectr4%Heater (R) . I+B		SCB.-	-	S298	040B0-30					HSFPU	70	121100 P022	015	
034	SPIRE Spectr4%Heater (R) . I-A		SCB.-	-	S298	040B0-30					HSFPU	70	121100 P022	033	
023	SPIRE Spectr4%Heater (R) . I-B		SCB.-	-	S298	040B0-30					HSFPU	70	121100 P022	034	
-															

Pin Allocation List

(Harness)

Connector: 211121 J033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE Spectr2%Heater (R) . I+A		SCB.-	-	S299	040B0-30					HSFPU	70	121100 P022	016	1S
058	SPIRE Spectr2%Heater (R) . I+B		SCB.-	-	S299	040B0-30					HSFPU	70	121100 P022	017	
045	SPIRE Spectr2%Heater (R) . I-A		SCB.-	-	S299	040B0-30					HSFPU	70	121100 P022	035	
057	SPIRE Spectr2%Heater (R) . I-B		SCB.-	-	S299	040B0-30					HSFPU	70	121100 P022	036	
-															
089	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	6				HSFPU	70	121100 P024	020	1S 1S
100	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	6				HSFPU	70	121100 P024	002	1S 1S
099	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	6				HSFPU	70	121100 P024	003	1S 1S
088	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	6				HSFPU	70	121100 P024	021	1S 1S
101	SPIRE FilterTemp(R) . SHD06		STA.-	-	S306	041SS-38	6		CS-S306		HSFPU	70	121100 P024	001	1S 1S
-															
118	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	7				HSFPU	70	121100 P024	004	1S 1S
119	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	7				HSFPU	70	121100 P024	005	1S 1S
125	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	7				HSFPU	70	121100 P024	023	1S 1S
126	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	7				HSFPU	70	121100 P024	024	1S 1S
110	SPIRE SpectDetBoxTemp(R) . SHD07		STA.-	-	S307	041SS-38	7		CS-S307		HSFPU	70	121100 P024	022	1S 1S
-															
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	8				HSFPU	70	121100 P024	025	1S 1S
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	8				HSFPU	70	121100 P024	026	1S 1S
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	8				HSFPU	70	121100 P024	007	1S 1S
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	8				HSFPU	70	121100 P024	008	1S 1S
108	SPIRE PhotomDetBoxTmp(R) . SHD08		STA.-	-	S308	041SS-38	8		CS-S308		HSFPU	70	121100 P024	006	1S 1S
-															
106	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	9				HSFPU	70	121100 P024	009	1S 1S
115	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	9				HSFPU	70	121100 P024	010	1S 1S
107	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	9				HSFPU	70	121100 P024	028	1S 1S
122	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	9				HSFPU	70	121100 P024	029	1S 1S
105	SPIRE OptSubbenchTmp(R) . SHD09		STA.-	-	S309	041SS-38	9		CS-S309		HSFPU	70	121100 P024	027	1S 1S
-															
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	10				HSFPU	70	121100 P024	030	1S 1S
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	10				HSFPU	70	121100 P024	031	1S 1S
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	10				HSFPU	70	121100 P024	012	1S 1S
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	10				HSFPU	70	121100 P024	013	1S 1S
109	SPIRE FPUInpBaffleTmp(R) . SHD10		STA.-	-	S310	041SS-38	10		CS-S310		HSFPU	70	121100 P024	011	1S 1S

Pin Allocation List (Harness)

Connector: 211121 J033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	11				HSFPU	70	121100 P024	014	1S 1S
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	11				HSFPU	70	121100 P024	033	1S 1S
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	11				HSFPU	70	121100 P024	034	1S 1S
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	11				HSFPU	70	121100 P024	015	1S 1S
096	SPIRE BSM/SOB I/FTmp(R) . SHD11		STA.-	-	S311	041SS-38	11		CS-S311		HSFPU	70	121100 P024	032	1S 1S
-															
079	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	21				HSFPU	70	121100 P024	017	1S
078	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	21				HSFPU	70	121100 P024	018	1S
068	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	21				HSFPU	70	121100 P024	036	1S
067	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	21				HSFPU	70	121100 P024	037	1S
090	SPIRE PTC Htr(R) . SHD12		STB.-	-	S312	041BS-30	21		CS-S312		HSFPU	70	121100 P024	035	1S 1S
-															
094	SPIRE FPU FT Faraday . SFF		SFF.-	-	S302	010B0-30					HSFPU	70	121100 P024	CH	1S 1S
004	SPIRE FPU FC 2 Faraday . SFF		SFF.-	-	S304	010B0-30					HSFPU	70	121100 P020	CH	1S 1S
047	SPIRE FPU FSS2 Faraday . SFF		SFF.-	-	S303	010B0-30					HSFPU	70	121100 P022	CH	1S 1S
-															
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
036	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
059	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
070	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 211121 J033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	CH to be isolated from FCR														
031	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
020	to be con to pin 031								shield interconnection						1S
039	to be con to pin 031								shield interconnection						1S
054	to be con to pin 031								shield interconnection						1S
075	to be con to pin 031								shield interconnection						1S
-															1S
101	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
096	to be con to pin 101								shield interconnection						1S
105	to be con to pin 101								shield interconnection						1S
108	to be con to pin 101								shield interconnection						1S
109	to be con to pin 101								shield interconnection						1S
110	to be con to pin 101								shield interconnection						1S
-															1S
121	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
093	to be con to pin 121								shield interconnection						1S
102	to be con to pin 121								shield interconnection						1S
-															1S
-	17 pins are NC								The following Pins are NC :						
-	-								;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095						

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 121100 P026
Item: HSFPU

Function / Bundle: SPIRE FPU Filt-BSM Pht.Stim / SIH-XS-13

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	13				CVVUCR	33	211121 J029	051	1S 1S
020	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	13				CVVUCR	33	211121 J029	040	1S 1S
022	SPIRE ChopSensor1&2(R) . SHD13		SBA.-	-	S313	021SS-38	13			CS-S313	CVVUCR	33	211121 J029	039	1S 1S
-															
002	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	14				CVVUCR	33	211121 J029	028	1S 1S
021	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	14				CVVUCR	33	211121 J029	017	1S 1S
003	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	14				CVVUCR	33	211121 J029	016	1S 1S
022	SPIRE ChopSensor3-5(R) . SHD14		SBB.-	-	S314	031BS-38	14			CS-S314	CVVUCR	33	211121 J029	027	1S 1S
-															
004	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	15				CVVUCR	33	211121 J029	049	1S 1S
023	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	15				CVVUCR	33	211121 J029	050	1S 1S
022	SPIRE JiggleSensor1&2(R) . SHD15		SBA.-	-	S315	021SS-38	15			CS-S315	CVVUCR	33	211121 J029	038	1S 1S
-															
005	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	16				CVVUCR	33	211121 J029	015	1S 1S
024	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	16				CVVUCR	33	211121 J029	025	1S 1S
006	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	16				CVVUCR	33	211121 J029	037	1S 1S
022	SPIRE JiggleSensor3-5(R) . SHD16		SBB.-	-	S316	031BS-38	16			CS-S316	CVVUCR	33	211121 J029	026	1S 1S
-															
007	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	17				CVVUCR	33	211121 J029	086	1S 1S
027	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	17				CVVUCR	33	211121 J029	087	1S 1S
026	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	17				CVVUCR	33	211121 J029	097	1S 1S
008	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	17				CVVUCR	33	211121 J029	098	1S 1S
025	SPIRE BSMTemp(R) . SHD17		SBC.-	-	S317	041SS-38	17			CS-S317	CVVUCR	33	211121 J029	075	1S 1S
-															
028	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	18				CVVUCR	33	211121 J029	048	1S 1S
010	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	18				CVVUCR	33	211121 J029	071	1S 1S
029	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	18				CVVUCR	33	211121 J029	060	1S 1S
011	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	18				CVVUCR	33	211121 J029	059	1S 1S
009	SPIRE P-Cal Htr (R) . SHD18		SBD.-	-	S318	041BS-30	18			CS-S318	CVVUCR	33	211121 J029	036	1S 1S
-															
030	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	19				CVVUCR	33	211121 J029	108	1S 1S
012	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	19				CVVUCR	33	211121 J029	116	1S 1S
031	SPIRE BSMLchLtchConf(R) . SHD19		SBE.-	-	S319	021SS-38	19			CS-S319	CVVUCR	33	211121 J029	107	1S 1S
-															

Pin Allocation List (Harness)

Connector: 121100 P026
Item: HSFPU

Function / Bundle: SPIRE FPU Filt-BSM Pht.Stim / SIH-XS-13

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
013	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	20				CVWUCR	33	211121 J029	105	1S	1S
032	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	20				CVWUCR	33	211121 J029	115	1S	1S
033	SPIRE BSMLatchDrive(R) . SHD20		SBF.-	-	S320	021BS-30	20		CS-S320		CVWUCR	33	211121 J029	106	1S	1S
-																
015	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	21				CVWUCR	33	211121 J029	072	1S	1S
034	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	21				CVWUCR	33	211121 J029	061	1S	1S
016	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	21				CVWUCR	33	211121 J029	062	1S	1S
035	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	21				CVWUCR	33	211121 J029	074	1S	1S
017	SPIRE ChopMotDrive(R) . SHD21		SBG.-	-	S321	041BS-30	21		CS-S321		CVWUCR	33	211121 J029	073	1S	1S
-																
036	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	22				CVWUCR	33	211121 J029	083	1S	1S
018	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	22				CVWUCR	33	211121 J029	095	1S	1S
037	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	22				CVWUCR	33	211121 J029	096	1S	1S
019	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	22				CVWUCR	33	211121 J029	085	1S	1S
017	SPIRE JiggleMotDrive(R) . SHD22		SBG.-	-	S322	041BS-30	22		CS-S322		CVWUCR	33	211121 J029	084	1S	1S
-																
CH	SPIRE FPU BSM PS Faraday . SFF		SFF.-	-	S305	010B0-30					CVWUCR	33	211121 J029	082	1S	1S
-																1S
-	1 pin is NC								The following Pin is NC :							
-	-								;014							

Pin Allocation List (Harness)

Connector: 121100 P028
Item: HSFPU

Function / Bundle: SPIRE FPU Filt. SMEC L. Re / SIH-XS-13

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	23				CVVUCR	33	211121 J029	117	1S	1S
020	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	23				CVVUCR	33	211121 J029	118	1S	1S
003	SPIRE SMECLLtch#1Conf(R) . SHD23		SME.-	-	S323	021BS-30	23		CS-S323		CVVUCR	33	211121 J029	109	1S	1S
-																
002	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	24				CVVUCR	33	211121 J029	111	1S	1S
021	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	24				CVVUCR	33	211121 J029	119	1S	1S
003	SPIRE SMECLLtch#2Conf(R) . SHD24		SME.-	-	S324	021BS-30	24		CS-S324		CVVUCR	33	211121 J029	110	1S	1S
-																
022	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	25				CVVUCR	33	211121 J029	067	1S	1S
023	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	25				CVVUCR	33	211121 J029	066	1S	1S
004	SPIRE SMECLL#1Pwr1/A(R) . SHD25		SMF.-	-	S325	021BS-30	25		CS-S325		CVVUCR	33	211121 J029	078	1S	1S
-																
005	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	26				CVVUCR	33	211121 J029	069	1S	1S
006	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	26				CVVUCR	33	211121 J029	068	1S	1S
024	SPIRE SMECLL#1Pwr2/B(R) . SHD26		SMF.-	-	S326	021BS-30	26		CS-S326		CVVUCR	33	211121 J029	080	1S	1S
-																
025	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	27				CVVUCR	33	211121 J029	090	1S	1S
026	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	27				CVVUCR	33	211121 J029	091	1S	1S
007	SPIRE SMECLL#2Pwr1/A(R) . SHD27		SMF.-	-	S327	021BS-30	27		CS-S327		CVVUCR	33	211121 J029	079	1S	1S
-																
008	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	28				CVVUCR	33	211121 J029	092	1S	1S
009	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	28				CVVUCR	33	211121 J029	093	1S	1S
027	SPIRE SMECLL#2Pwr2/B(R) . SHD28		SMF.-	-	S328	021BS-30	28		CS-S328		CVVUCR	33	211121 J029	081	1S	1S
-																
028	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	29				CVVUCR	33	211121 J029	088	1S	1S
011	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	29				CVVUCR	33	211121 J029	089	1S	1S
010	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	29				CVVUCR	33	211121 J029	099	1S	1S
029	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	29				CVVUCR	33	211121 J029	100	1S	1S
030	SPIRE SMECTemp(R) . SHD29		SMC.-	-	S329	041SS-38	29		CS-S329		CVVUCR	33	211121 J029	077	1S	1S
-																
031	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	30				CVVUCR	33	211121 J029	054	1S	1S
014	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	30				CVVUCR	33	211121 J029	053	1S	1S
013	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	30				CVVUCR	33	211121 J029	065	1S	1S
032	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	30				CVVUCR	33	211121 J029	064	1S	1S

Pin Allocation List (Harness)

Connector: 121100 P028
Item: HSFPU

Function / Bundle: SPIRE FPU Filtr. SMEC L. Re / SIH-XS-13

Conn.-Type: MWDM2L-37P-6C3-.630
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
012	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD30		SMC.-	-	S330	041SS-38	30			CS-S330	CVVUCR	33	211121 J029	076	1S	1S
-																
033	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	31				CVVUCR	33	211121 J029	101	1S	1S
034	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	31				CVVUCR	33	211121 J029	102	1S	1S
015	SPIRE SMECLVDTPriCIPw(R) . SHD31		SMA.-	-	S331	021BS-30	31			CS-S331	CVVUCR	33	211121 J029	112	1S	1S
-																
035	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	32				CVVUCR	33	211121 J029	127	1S	1S
036	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	32				CVVUCR	33	211121 J029	120	1S	1S
017	SPIRE SMECLVDTSCI#1Sg(R) . SHD32		SMB.-	-	S332	021BS-30	32			CS-S332	CVVUCR	33	211121 J029	128	1S	1S
-																
018	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	33				CVVUCR	33	211121 J029	114	1S	1S
019	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	33				CVVUCR	33	211121 J029	113	1S	1S
037	SPIRE SMECLVDTSCI#2Sg(R) . SHD33		SMB.-	-	S333	021BS-30	33			CS-S333	CVVUCR	33	211121 J029	121	1S	1S
-																
CH	SPIRE FPU SMEC LR Faraday . SFF		SFF.-	-	S351	010B0-30					CVVUCR	33	211121 J029	104	1S	1S
-																
-	1 pin is NC									The following Pin is NC :						
-										;016						

Pin Allocation List

(Harness)

Connector: 121100 P030**Function / Bundle:** SPIRE FPU Filt. SMEC Cnt. Re / SIH-XS-13**Conn.-Type:** MWDM2L-37P-6C3-.630**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	34				CVVUCR	33	211121 J029	012	1S 1S
002	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	34				CVVUCR	33	211121 J029	005	1S 1S
020	SPIRE SMEC Drv Coil (R) . SHD34		SMD.-	-	S334	021BS-30	34		CS-S334		CVVUCR	33	211121 J029	013	1S 1S
-															
021	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.-	-	S335	021BS-30	35				CVVUCR	33	211121 J029	022	1S 1S
022	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.-	-	S335	021BS-30	35				CVVUCR	33	211121 J029	007	1S 1S
003	SPIRE SMEC Drv Coil (Rob) (R) . SHD35		SMD.-	-	S335	021BS-30	35		CS-S335		CVVUCR	33	211121 J029	013	1S 1S
-															
004	SPIRE SMEC Drv Sense (R) . Sen+		SMG.-	-	S336	021BS-38	36				CVVUCR	33	211121 J029	014	1S 1S
005	SPIRE SMEC Drv Sense (R) . Sen-		SMG.-	-	S336	021BS-38	36				CVVUCR	33	211121 J029	024	1S 1S
023	SPIRE SMEC Drv Sense (R) . SHD36		SMG.-	-	S336	021BS-38	36		CS-S336		CVVUCR	33	211121 J029	023	1S 1S
-															
007	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.-	-	S337	021BS-38	37				CVVUCR	33	211121 J029	009	1S 1S
008	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.-	-	S337	021BS-38	37				CVVUCR	33	211121 J029	002	1S 1S
026	SPIRE SMEC PosSeLEDpwr(R) . SHD37		SMH.-	-	S337	021BS-38	37		CS-S337		CVVUCR	33	211121 J029	003	1S 1S
-															
027	SPIRE SMEC PosSensPwr(R) . S		SMH.-	-	S338	021BS-38	38				CVVUCR	33	211121 J029	011	1S 1S
028	SPIRE SMEC PosSensPwr(R) . R		SMH.-	-	S338	021BS-38	38				CVVUCR	33	211121 J029	004	1S 1S
009	SPIRE SMEC PosSensPwr(R) . SHD38		SMH.-	-	S338	021BS-38	38		CS-S338		CVVUCR	33	211121 J029	010	1S 1S
-															
010	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.-	-	S339	021SS-38	39				CVVUCR	33	211121 J029	018	1S 1S
011	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.-	-	S339	021SS-38	39				CVVUCR	33	211121 J029	019	1S 1S
029	SPIRE SMEC PosPhDi#1(R) . SHD39		SMJ.-	-	S339	021SS-38	39		CS-S339		CVVUCR	33	211121 J029	029	1S 1S
-															
030	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.-	-	S340	021SS-38	40				CVVUCR	33	211121 J029	056	1S 1S
031	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.-	-	S340	021SS-38	40				CVVUCR	33	211121 J029	055	1S 1S
012	SPIRE SMEC PosPhDi#1FB(R) . SHD40		SMK.-	-	S340	021SS-38	40		CS-S340		CVVUCR	33	211121 J029	044	1S 1S
-															
013	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.-	-	S341	021SS-38	41				CVVUCR	33	211121 J029	042	1S 1S
014	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.-	-	S341	021SS-38	41				CVVUCR	33	211121 J029	041	1S 1S
032	SPIRE SMEC PosPhDi#2(R) . SHD41		SMJ.-	-	S341	021SS-38	41		CS-S341		CVVUCR	33	211121 J029	030	1S 1S
-															
033	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.-	-	S342	021SS-38	42				CVVUCR	33	211121 J029	034	1S 1S
034	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.-	-	S342	021SS-38	42				CVVUCR	33	211121 J029	033	1S 1S

Pin Allocation List

(Harness)

Connector: 121100 P030**Function / Bundle:** SPIRE FPU Filt. SMEC Cnt. Re / SIH-XS-13**Conn.-Type:** MWDM2L-37P-6C3-.630**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
015	SPIRE SMEC PosPhDi#2FB(R) . SHD42		SMK.-	-	S342	021SS-38	42			CS-S342	CVVUCR	33	211121 J029	045	1S	1S
-																
016	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.-	-	S343	021SS-38	43				CVVUCR	33	211121 J029	020	1S	1S
017	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.-	-	S343	021SS-38	43				CVVUCR	33	211121 J029	021	1S	1S
035	SPIRE SMEC PosPhDi#3(R) . SHD43		SMJ.-	-	S343	021SS-38	43			CS-S343	CVVUCR	33	211121 J029	031	1S	1S
-																
036	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	44				CVVUCR	33	211121 J029	058	1S	1S
037	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	44				CVVUCR	33	211121 J029	057	1S	1S
018	SPIRE SMEC PosPhDi#3FB(R) . SHD44		SMK.-	-	S344	021SS-38	44			CS-S344	CVVUCR	33	211121 J029	046	1S	1S
-																
CH	SPIRE FPU SMEC CR Faraday . SFF		SFF.-	-	S352	010B0-30					CVVUCR	33	211121 J029	006	1S	1S
-																
-	4 pins are NC									The following Pins are NC :						
-										;006 ;019 ;024 ;025						

Pin Allocation List

(Harness)

Connector: 211121 J029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	13				HSFPU	70	121100 P026	001	1S 1S
040	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	13				HSFPU	70	121100 P026	020	1S 1S
039	SPIRE ChopSensor1&2(R) . SHD13		SBA.-	-	S313	021SS-38	13		CS-S313		HSFPU	70	121100 P026	022	1S 1S
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	14				HSFPU	70	121100 P026	002	1S 1S
017	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	14				HSFPU	70	121100 P026	021	1S 1S
016	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	14				HSFPU	70	121100 P026	003	1S 1S
027	SPIRE ChopSensor3-5(R) . SHD14		SBB.-	-	S314	031BS-38	14		CS-S314		HSFPU	70	121100 P026	022	1S 1S
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	15				HSFPU	70	121100 P026	004	1S 1S
050	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	15				HSFPU	70	121100 P026	023	1S 1S
038	SPIRE JiggleSensor1&2(R) . SHD15		SBA.-	-	S315	021SS-38	15		CS-S315		HSFPU	70	121100 P026	022	1S 1S
-															
015	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	16				HSFPU	70	121100 P026	005	1S 1S
025	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	16				HSFPU	70	121100 P026	024	1S 1S
037	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	16				HSFPU	70	121100 P026	006	1S 1S
026	SPIRE JiggleSensor3-5(R) . SHD16		SBB.-	-	S316	031BS-38	16		CS-S316		HSFPU	70	121100 P026	022	1S 1S
-															
086	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	17				HSFPU	70	121100 P026	007	1S 1S
097	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	17				HSFPU	70	121100 P026	026	1S 1S
098	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	17				HSFPU	70	121100 P026	008	1S 1S
087	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	17				HSFPU	70	121100 P026	027	1S 1S
075	SPIRE BSMTemp(R) . SHD17		SBC.-	-	S317	041SS-38	17		CS-S317		HSFPU	70	121100 P026	025	1S 1S
-															
048	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	18				HSFPU	70	121100 P026	028	1S 1S
071	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	18				HSFPU	70	121100 P026	010	1S 1S
060	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	18				HSFPU	70	121100 P026	029	1S 1S
059	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	18				HSFPU	70	121100 P026	011	1S 1S
036	SPIRE P-Cal Htr (R) . SHD18		SBD.-	-	S318	041BS-30	18		CS-S318		HSFPU	70	121100 P026	009	1S 1S
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	19				HSFPU	70	121100 P026	030	1S 1S
116	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	19				HSFPU	70	121100 P026	012	1S 1S
107	SPIRE BSMLchLtchConf(R) . SHD19		SBE.-	-	S319	021SS-38	19		CS-S319		HSFPU	70	121100 P026	031	1S 1S
-															

Pin Allocation List (Harness)

Connector: 211121 J029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	20				HSFPU	70	121100 P026	013	1S 1S
115	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	20				HSFPU	70	121100 P026	032	1S 1S
106	SPIRE BSMLatchDrive(R) . SHD20		SBF.-	-	S320	021BS-30	20		CS-S320		HSFPU	70	121100 P026	033	1S 1S
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	21				HSFPU	70	121100 P026	015	1S 1S
061	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	21				HSFPU	70	121100 P026	034	1S 1S
062	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	21				HSFPU	70	121100 P026	016	1S 1S
074	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	21				HSFPU	70	121100 P026	035	1S 1S
073	SPIRE ChopMotDrive(R) . SHD21		SBG.-	-	S321	041BS-30	21		CS-S321		HSFPU	70	121100 P026	017	1S 1S
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	22				HSFPU	70	121100 P026	036	1S 1S
095	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	22				HSFPU	70	121100 P026	018	1S 1S
096	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	22				HSFPU	70	121100 P026	037	1S 1S
085	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	22				HSFPU	70	121100 P026	019	1S 1S
084	SPIRE JiggleMotDrive(R) . SHD22		SBG.-	-	S322	041BS-30	22		CS-S322		HSFPU	70	121100 P026	017	1S 1S
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	23				HSFPU	70	121100 P028	001	1S 1S
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	23				HSFPU	70	121100 P028	020	1S 1S
109	SPIRE SMECLLtch#1Conf(R) . SHD23		SME.-	-	S323	021BS-30	23		CS-S323		HSFPU	70	121100 P028	003	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	24				HSFPU	70	121100 P028	002	1S 1S
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	24				HSFPU	70	121100 P028	021	1S 1S
110	SPIRE SMECLLtch#2Conf(R) . SHD24		SME.-	-	S324	021BS-30	24		CS-S324		HSFPU	70	121100 P028	003	1S 1S
-															
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	25				HSFPU	70	121100 P028	022	1S 1S
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	25				HSFPU	70	121100 P028	023	1S 1S
078	SPIRE SMECLL#1Pwr1/A(R) . SHD25		SMF.-	-	S325	021BS-30	25		CS-S325		HSFPU	70	121100 P028	004	1S 1S
-															
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	26				HSFPU	70	121100 P028	005	1S 1S
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	26				HSFPU	70	121100 P028	006	1S 1S
080	SPIRE SMECLL#1Pwr2/B(R) . SHD26		SMF.-	-	S326	021BS-30	26		CS-S326		HSFPU	70	121100 P028	024	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	27				HSFPU	70	121100 P028	025	1S 1S
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	27				HSFPU	70	121100 P028	026	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
079	SPIRE SMECLL#2Pwr1/A(R) . SHD27		SMF.-	-	S327	021BS-30	27			CS-S327	HSFPU	70	121100 P028	007	1S	1S
-																
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	28				HSFPU	70	121100 P028	008	1S	1S
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	28				HSFPU	70	121100 P028	009	1S	1S
081	SPIRE SMECLL#2Pwr2/B(R) . SHD28		SMF.-	-	S328	021BS-30	28			CS-S328	HSFPU	70	121100 P028	027	1S	1S
-																
088	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	29				HSFPU	70	121100 P028	028	1S	1S
089	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	29				HSFPU	70	121100 P028	011	1S	1S
099	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	29				HSFPU	70	121100 P028	010	1S	1S
100	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	29				HSFPU	70	121100 P028	029	1S	1S
077	SPIRE SMECTemp(R) . SHD29		SMC.-	-	S329	041SS-38	29			CS-S329	HSFPU	70	121100 P028	030	1S	1S
-																
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	30				HSFPU	70	121100 P028	031	1S	1S
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	30				HSFPU	70	121100 P028	014	1S	1S
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	30				HSFPU	70	121100 P028	013	1S	1S
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	30				HSFPU	70	121100 P028	032	1S	1S
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD30		SMC.-	-	S330	041SS-38	30			CS-S330	HSFPU	70	121100 P028	012	1S	1S
-																
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	31				HSFPU	70	121100 P028	033	1S	1S
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	31				HSFPU	70	121100 P028	034	1S	1S
112	SPIRE SMECLVDTPriCIPw(R) . SHD31		SMA.-	-	S331	021BS-30	31			CS-S331	HSFPU	70	121100 P028	015	1S	1S
-																
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	32				HSFPU	70	121100 P028	035	1S	1S
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	32				HSFPU	70	121100 P028	036	1S	1S
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD32		SMB.-	-	S332	021BS-30	32			CS-S332	HSFPU	70	121100 P028	017	1S	1S
-																
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	33				HSFPU	70	121100 P028	018	1S	1S
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	33				HSFPU	70	121100 P028	019	1S	1S
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD33		SMB.-	-	S333	021BS-30	33			CS-S333	HSFPU	70	121100 P028	037	1S	1S
-																
012	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	34				HSFPU	70	121100 P030	001	1S	1S
005	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	34				HSFPU	70	121100 P030	002	1S	1S
013	SPIRE SMEC Drv Coil (R) . SHD34		SMD.-	-	S334	021BS-30	34			CS-S334	HSFPU	70	121100 P030	020	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 211121 J029

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-011P24-35PN (Junct.)

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
022	SPIRE SMEC Drv Coil (Rob) (R) . I+	SMD.-	-		S335	021BS-30	35				HSFPU	70	121100 P030	021	1S 1S
007	SPIRE SMEC Drv Coil (Rob) (R) . I-	SMD.-	-		S335	021BS-30	35				HSFPU	70	121100 P030	022	1S 1S
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD35	SMD.-	-		S335	021BS-30	35		CS-S335		HSFPU	70	121100 P030	003	1S 1S
-															
014	SPIRE SMEC Drv Sense (R) . Sen+	SMG.-	-		S336	021BS-38	36				HSFPU	70	121100 P030	004	1S 1S
024	SPIRE SMEC Drv Sense (R) . Sen-	SMG.-	-		S336	021BS-38	36				HSFPU	70	121100 P030	005	1S 1S
023	SPIRE SMEC Drv Sense (R) . SHD36	SMG.-	-		S336	021BS-38	36		CS-S336		HSFPU	70	121100 P030	023	1S 1S
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S	SMH.-	-		S337	021BS-38	37				HSFPU	70	121100 P030	007	1S 1S
002	SPIRE SMEC PosSeLEDpwr(R) . R	SMH.-	-		S337	021BS-38	37				HSFPU	70	121100 P030	008	1S 1S
003	SPIRE SMEC PosSeLEDpwr(R) . SHD37	SMH.-	-		S337	021BS-38	37		CS-S337		HSFPU	70	121100 P030	026	1S 1S
-															
011	SPIRE SMEC PosSensPwr(R) . S	SMH.-	-		S338	021BS-38	38				HSFPU	70	121100 P030	027	1S 1S
004	SPIRE SMEC PosSensPwr(R) . R	SMH.-	-		S338	021BS-38	38				HSFPU	70	121100 P030	028	1S 1S
010	SPIRE SMEC PosSensPwr(R) . SHD38	SMH.-	-		S338	021BS-38	38		CS-S338		HSFPU	70	121100 P030	009	1S 1S
-															
018	SPIRE SMEC PosPhDi#1(R) . I+	SMJ.-	-		S339	021SS-38	39				HSFPU	70	121100 P030	010	1S 1S
019	SPIRE SMEC PosPhDi#1(R) . I-	SMJ.-	-		S339	021SS-38	39				HSFPU	70	121100 P030	011	1S 1S
029	SPIRE SMEC PosPhDi#1(R) . SHD39	SMJ.-	-		S339	021SS-38	39		CS-S339		HSFPU	70	121100 P030	029	1S 1S
-															
056	SPIRE SMEC PosPhDi#1FB(R) . S	SMK.-	-		S340	021SS-38	40				HSFPU	70	121100 P030	030	1S 1S
055	SPIRE SMEC PosPhDi#1FB(R) . R	SMK.-	-		S340	021SS-38	40				HSFPU	70	121100 P030	031	1S 1S
044	SPIRE SMEC PosPhDi#1FB(R) . SHD40	SMK.-	-		S340	021SS-38	40		CS-S340		HSFPU	70	121100 P030	012	1S 1S
-															
042	SPIRE SMEC PosPhDi#2(R) . I+	SMJ.-	-		S341	021SS-38	41				HSFPU	70	121100 P030	013	1S 1S
041	SPIRE SMEC PosPhDi#2(R) . I-	SMJ.-	-		S341	021SS-38	41				HSFPU	70	121100 P030	014	1S 1S
030	SPIRE SMEC PosPhDi#2(R) . SHD41	SMJ.-	-		S341	021SS-38	41		CS-S341		HSFPU	70	121100 P030	032	1S 1S
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S	SMK.-	-		S342	021SS-38	42				HSFPU	70	121100 P030	033	1S 1S
033	SPIRE SMEC PosPhDi#2FB(R) . R	SMK.-	-		S342	021SS-38	42				HSFPU	70	121100 P030	034	1S 1S
045	SPIRE SMEC PosPhDi#2FB(R) . SHD42	SMK.-	-		S342	021SS-38	42		CS-S342		HSFPU	70	121100 P030	015	1S 1S
-															
020	SPIRE SMEC PosPhDi#3(R) . I+	SMJ.-	-		S343	021SS-38	43				HSFPU	70	121100 P030	016	1S 1S
021	SPIRE SMEC PosPhDi#3(R) . I-	SMJ.-	-		S343	021SS-38	43				HSFPU	70	121100 P030	017	1S 1S

Pin Allocation List

(Harness)

Connector: 211121 J029**Function / Bundle:** UFThr 276.8° / SIH-XS-13**Conn.-Type:** 197-011P24-35PN (Junct.)**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
031	SPIRE SMEC PosPhDi#3(R) . SHD43		SMJ.-	-	S343	021SS-38	43			CS-S343	HSFPU	70	121100 P030	035	1S	1S
-																
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	44				HSFPU	70	121100 P030	036	1S	1S
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	44				HSFPU	70	121100 P030	037	1S	1S
046	SPIRE SMEC PosPhDi#3FB(R) . SHD44		SMK.-	-	S344	021SS-38	44			CS-S344	HSFPU	70	121100 P030	018	1S	1S
-																
006	SPIRE FPU SMEC CR Faraday . SFF		SFF.-	-	S352	010B0-30					HSFPU	70	121100 P030	CH	1S	1S
082	SPIRE FPU BSM PS Faraday . SFF		SFF.-	-	S305	010B0-30					HSFPU	70	121100 P026	CH	1S	1S
104	SPIRE FPU SMEC LR Faraday . SFF		SFF.-	-	S351	010B0-30					HSFPU	70	121100 P028	CH	1S	1S
-																
001	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
107	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
109	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
110	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
-																1S
-	CH to be isolated from FCR															1S
-																1S
029	Interconnection Star Pin									Star Pin for Shield Interconnection						1S
030	to be con to pin 029									shield interconnection						1S

Pin Allocation List (Harness)

Connector: 211121 J029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-011P24-35PN (Junct.)
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	to be con to pin 029									shield interconnection					1S
-															1S
039	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
026	to be con to pin 039									shield interconnection					1S
027	to be con to pin 039									shield interconnection					1S
038	to be con to pin 039									shield interconnection					1S
-															1S
044	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
045	to be con to pin 044									shield interconnection					1S
046	to be con to pin 044									shield interconnection					1S
-															1S
073	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
084	to be con to pin 073									shield interconnection					1S
-															1S
077	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
076	to be con to pin 077									shield interconnection					1S
-															1S
078	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
079	to be con to pin 078									shield interconnection					1S
080	to be con to pin 078									shield interconnection					1S
081	to be con to pin 078									shield interconnection					1S
-															1S
112	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
121	to be con to pin 112									shield interconnection					1S
128	to be con to pin 112									shield interconnection					1S
-															1S
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE SLW Ch01-04 . 1+		SSB.I -		S001	021SS-38	1	0001-1		HSSVMCB2	27	312200 J006	026	1S	1S	
037	SPIRE SLW Ch01-04 . 1-		SSB.I -		S001	021SS-38	1	0001-1		HSSVMCB2	27	312200 J006	037	1S	1S	
115	SPIRE SLW Ch01-04 . SHD01		SSB.I -		S001	021SS-38	1	001-1	CS-S001-1	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
038	SPIRE SLW Ch01-04 . 2+		SSB.I -		S001	021SS-38	2	001-2		HSSVMCB2	27	312200 J006	038	1S	1S	
049	SPIRE SLW Ch01-04 . 2-		SSB.I -		S001	021SS-38	2	001-2		HSSVMCB2	27	312200 J006	049	1S	1S	
115	SPIRE SLW Ch01-04 . SHD02		SSB.I -		S001	021SS-38	2	001-2	CS-S001-2	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
048	SPIRE SLW Ch01-04 . 3+		SSB.I -		S001	021SS-38	3	001-3		HSSVMCB2	27	312200 J006	048	1S	1S	
060	SPIRE SLW Ch01-04 . 3-		SSB.I -		S001	021SS-38	3	001-3		HSSVMCB2	27	312200 J006	060	1S	1S	
115	SPIRE SLW Ch01-04 . SHD03		SSB.I -		S001	021SS-38	3	001-3	CS-S001-3	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
059	SPIRE SLW Ch01-04 . 4+		SSB.I -		S001	021SS-38	4	001-4		HSSVMCB2	27	312200 J006	059	1S	1S	
071	SPIRE SLW Ch01-04 . 4-		SSB.I -		S001	021SS-38	4	001-4		HSSVMCB2	27	312200 J006	071	1S	1S	
115	SPIRE SLW Ch01-04 . SHD04		SSB.I -		S001	021SS-38	4	001-4	CS-S001-4	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
050	SPIRE SLW Ch05-08 . 5+		SSB.I -		S002	021SS-38	5	002-1		HSSVMCB2	27	312200 J006	050	1S	1S	
061	SPIRE SLW Ch05-08 . 5-		SSB.I -		S002	021SS-38	5	002-1		HSSVMCB2	27	312200 J006	061	1S	1S	
115	SPIRE SLW Ch05-08 . SHD05		SSB.I -		S002	021SS-38	5	002-1	CS-S002-1	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
062	SPIRE SLW Ch05-08 . 6+		SSB.I -		S002	021SS-38	6	002-2		HSSVMCB2	27	312200 J006	062	1S	1S	
051	SPIRE SLW Ch05-08 . 6-		SSB.I -		S002	021SS-38	6	002-2		HSSVMCB2	27	312200 J006	051	1S	1S	
115	SPIRE SLW Ch05-08 . SHD06		SSB.I -		S002	021SS-38	6	002-2	CS-S002-2	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
063	SPIRE SLW Ch05-08 . 7+		SSB.I -		S002	021SS-38	7	002-3		HSSVMCB2	27	312200 J006	063	1S	1S	
075	SPIRE SLW Ch05-08 . 7-		SSB.I -		S002	021SS-38	7	002-3		HSSVMCB2	27	312200 J006	075	1S	1S	
115	SPIRE SLW Ch05-08 . SHD07		SSB.I -		S002	021SS-38	7	002-3	CS-S002-3	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
074	SPIRE SLW Ch05-08 . 8+		SSB.I -		S002	021SS-38	8	002-4		HSSVMCB2	27	312200 J006	074	1S	1S	
073	SPIRE SLW Ch05-08 . 8-		SSB.I -		S002	021SS-38	8	002-4		HSSVMCB2	27	312200 J006	073	1S	1S	
115	SPIRE SLW Ch05-08 . SHD08		SSB.I -		S002	021SS-38	8	002-4	CS-S002-4	HSSVMCB2	27	312200 J006	115	1S	1S	
-																
083	SPIRE SLW Ch09-12 . 9+		SSB.I -		S003	021SS-38	9	003-1		HSSVMCB2	27	312200 J006	083	1S	1S	
072	SPIRE SLW Ch09-12 . 9-		SSB.I -		S003	021SS-38	9	003-1		HSSVMCB2	27	312200 J006	072	1S	1S	

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
115	SPIRE SLW Ch09-12 . SHD09		SSB.I -		S003	021SS-38	9	003-1		CS-S003-1	HSSVMCB2	27	312200 J006	115	1S	1S
-																
095	SPIRE SLW Ch09-12 . 10+		SSB.I -		S003	021SS-38	10	003-2			HSSVMCB2	27	312200 J006	095	1S	1S
084	SPIRE SLW Ch09-12 . 10-		SSB.I -		S003	021SS-38	10	003-2			HSSVMCB2	27	312200 J006	084	1S	1S
115	SPIRE SLW Ch09-12 . SHD10		SSB.I -		S003	021SS-38	10	003-2		CS-S003-2	HSSVMCB2	27	312200 J006	115	1S	1S
-																
096	SPIRE SLW Ch09-12 . 11+		SSB.I -		S003	021SS-38	11	003-3			HSSVMCB2	27	312200 J006	096	1S	1S
085	SPIRE SLW Ch09-12 . 11-		SSB.I -		S003	021SS-38	11	003-3			HSSVMCB2	27	312200 J006	085	1S	1S
115	SPIRE SLW Ch09-12 . SHD11		SSB.I -		S003	021SS-38	11	003-3		CS-S003-3	HSSVMCB2	27	312200 J006	115	1S	1S
-																
106	SPIRE SLW Ch09-12 . 12+		SSB.I -		S003	021SS-38	12	003-4			HSSVMCB2	27	312200 J006	106	1S	1S
107	SPIRE SLW Ch09-12 . 12-		SSB.I -		S003	021SS-38	12	003-4			HSSVMCB2	27	312200 J006	107	1S	1S
115	SPIRE SLW Ch09-12 . SHD12		SSB.I -		S003	021SS-38	12	003-4		CS-S003-4	HSSVMCB2	27	312200 J006	115	1S	1S
-																1S
086	SPIRE SLW Ch13-16 . 13+		SSB.I -		S004	021SS-38	13	004-1			HSSVMCB2	27	312200 J006	086	1S	1S
087	SPIRE SLW Ch13-16 . 13-		SSB.I -		S004	021SS-38	13	004-1			HSSVMCB2	27	312200 J006	087	1S	1S
122	SPIRE SLW Ch13-16 . SHD13		SSB.I -		S004	021SS-38	13	004-1		CS-S004-1	HSSVMCB2	27	312200 J006	122	1S	1S
-																
097	SPIRE SLW Ch13-16 . 14+		SSB.I -		S004	021SS-38	14	004-2			HSSVMCB2	27	312200 J006	097	1S	1S
098	SPIRE SLW Ch13-16 . 14-		SSB.I -		S004	021SS-38	14	004-2			HSSVMCB2	27	312200 J006	098	1S	1S
122	SPIRE SLW Ch13-16 . SHD14		SSB.I -		S004	021SS-38	14	004-2		CS-S004-2	HSSVMCB2	27	312200 J006	122	1S	1S
-																
108	SPIRE SLW Ch13-16 . 15+		SSB.I -		S004	021SS-38	15	004-3			HSSVMCB2	27	312200 J006	108	1S	1S
109	SPIRE SLW Ch13-16 . 15-		SSB.I -		S004	021SS-38	15	004-3			HSSVMCB2	27	312200 J006	109	1S	1S
122	SPIRE SLW Ch13-16 . SHD15		SSB.I -		S004	021SS-38	15	004-3		CS-S004-3	HSSVMCB2	27	312200 J006	122	1S	1S
-																
116	SPIRE SLW Ch13-16 . 16+		SSB.I -		S004	021SS-38	16	004-4			HSSVMCB2	27	312200 J006	116	1S	1S
117	SPIRE SLW Ch13-16 . 16-		SSB.I -		S004	021SS-38	16	004-4			HSSVMCB2	27	312200 J006	117	1S	1S
122	SPIRE SLW Ch13-16 . SHD16		SSB.I -		S004	021SS-38	16	004-4		CS-S004-4	HSSVMCB2	27	312200 J006	122	1S	1S
-																
055	SPIRE SLW Ch17-20 . 17+		SSB.I -		S005	021SS-38	17	005-1			HSSVMCB2	27	312200 J006	055	1S	1S
066	SPIRE SLW Ch17-20 . 17-		SSB.I -		S005	021SS-38	17	005-1			HSSVMCB2	27	312200 J006	066	1S	1S
122	SPIRE SLW Ch17-20 . SHD17		SSB.I -		S005	021SS-38	17	005-1		CS-S005-1	HSSVMCB2	27	312200 J006	122	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
067	SPIRE SLW Ch17-20 . 18+		SSB.I -		S005	021SS-38	18	005-2		HSSVMCB2	27	312200 J006	067	1S	1S	
078	SPIRE SLW Ch17-20 . 18-		SSB.I -		S005	021SS-38	18	005-2		HSSVMCB2	27	312200 J006	078	1S	1S	
122	SPIRE SLW Ch17-20 . SHD18		SSB.I -		S005	021SS-38	18	005-2	CS-S005-2	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
076	SPIRE SLW Ch17-20 . 19+		SSB.I -		S005	021SS-38	19	005-3		HSSVMCB2	27	312200 J006	076	1S	1S	
077	SPIRE SLW Ch17-20 . 19-		SSB.I -		S005	021SS-38	19	005-3		HSSVMCB2	27	312200 J006	077	1S	1S	
122	SPIRE SLW Ch17-20 . SHD19		SSB.I -		S005	021SS-38	19	005-3	CS-S005-3	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
088	SPIRE SLW Ch17-20 . 20+		SSB.I -		S005	021SS-38	20	005-4		HSSVMCB2	27	312200 J006	088	1S	1S	
089	SPIRE SLW Ch17-20 . 20-		SSB.I -		S005	021SS-38	20	005-4		HSSVMCB2	27	312200 J006	089	1S	1S	
122	SPIRE SLW Ch17-20 . SHD20		SSB.I -		S005	021SS-38	20	005-4	CS-S005-4	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
099	SPIRE SLW Ch21-24 . 21+		SSB.I -		S006	021SS-38	21	006-1		HSSVMCB2	27	312200 J006	099	1S	1S	
100	SPIRE SLW Ch21-24 . 21-		SSB.I -		S006	021SS-38	21	006-1		HSSVMCB2	27	312200 J006	100	1S	1S	
122	SPIRE SLW Ch21-24 . SHD21		SSB.I -		S006	021SS-38	21	006-1	CS-S006-1	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
110	SPIRE SLW Ch21-24 . 22+		SSB.I -		S006	021SS-38	22	006-2		HSSVMCB2	27	312200 J006	110	1S	1S	
111	SPIRE SLW Ch21-24 . 22-		SSB.I -		S006	021SS-38	22	006-2		HSSVMCB2	27	312200 J006	111	1S	1S	
122	SPIRE SLW Ch21-24 . SHD22		SSB.I -		S006	021SS-38	22	006-2	CS-S006-2	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
118	SPIRE SLW Ch21-24 . 23+		SSB.I -		S006	021SS-38	23	006-3		HSSVMCB2	27	312200 J006	118	1S	1S	
119	SPIRE SLW Ch21-24 . 23-		SSB.I -		S006	021SS-38	23	006-3		HSSVMCB2	27	312200 J006	119	1S	1S	
122	SPIRE SLW Ch21-24 . SHD23		SSB.I -		S006	021SS-38	23	006-3	CS-S006-3	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
112	SPIRE SLW Ch21-24 . 24+		SSB.I -		S006	021SS-38	24	006-4		HSSVMCB2	27	312200 J006	112	1S	1S	
120	SPIRE SLW Ch21-24 . 24-		SSB.I -		S006	021SS-38	24	006-4		HSSVMCB2	27	312200 J006	120	1S	1S	
122	SPIRE SLW Ch21-24 . SHD24		SSB.I -		S006	021SS-38	24	006-4	CS-S006-4	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
122	SPIRE SLW GND Wire A2		SSX.- -		S402	010B0-30			GND Wire A2	HSSVMCB2	27	312200 J006	122	1S	1S	
-																
007	SPIRE PTC TC Bias A . +ve		S3A.I -		S009	021BS-38	25			HSSVMCB2	27	312200 J006	007	1S	1S	
014	SPIRE PTC TC Bias A . -ve		S3A.I -		S009	021BS-38	25			HSSVMCB2	27	312200 J006	014	1S	1S	
046	SPIRE PTC TC Bias A . SHD25		S3A.I -		S009	021BS-38	25		CS-S009	HSSVMCB2	27	312200 J006	046	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
024	SPIRE PTC JFETV Bias A . +ve	S3C.I	-		S010	021BS-38	26				HSSVMCB2	27	312200 J006	024	1S	1S
035	SPIRE PTC JFETV Bias A . -ve	S3C.I	-		S010	021BS-38	26				HSSVMCB2	27	312200 J006	035	1S	1S
046	SPIRE PTC JFETV Bias A . SHD26	S3C.I	-		S010	021BS-38	26		CSS-S010		HSSVMCB2	27	312200 J006	046	1S	1S
-																
046	SPIRE PTC GND WIRE A3	SSX.-	-		S403	010B0-30			Gnd Wire A3		HSSVMCB2	27	312200 J006	046	1S	1S
-																1S
121	SPIRE SLW Bias A1 . +ve	SSD.I	-		S025	021BS-38	27				HSSVMCB2	27	312200 J006	121	1S	1S
114	SPIRE SLW Bias A1 . -ve	SSD.I	-		S025	021BS-38	27				HSSVMCB2	27	312200 J006	114	1S	1S
104	SPIRE SLW Bias A1 . SHD27	SSD.I	-		S025	021BS-38	27		CS-S025		HSSVMCB2	27	312200 J006	104	1S	1S
-																
102	SPIRE SLW Bias A2 . +ve	SSD.I	-		S026	021BS-38	28				HSSVMCB2	27	312200 J006	102	1S	1S
101	SPIRE SLW Bias A2 . -ve	SSD.I	-		S026	021BS-38	28				HSSVMCB2	27	312200 J006	101	1S	1S
104	SPIRE SLW Bias A2 . SHD28	SSD.I	-		S026	021BS-38	28		CS-S026		HSSVMCB2	27	312200 J006	104	1S	1S
-																
092	SPIRE SLW JFETV A1 . +ve	SSF.I	-		S011	021BS-38	29				HSSVMCB2	27	312200 J006	092	1S	1S
091	SPIRE SLW JFETV A1 . -ve	SSF.I	-		S011	021BS-38	29				HSSVMCB2	27	312200 J006	091	1S	1S
104	SPIRE SLW JFETV A1 . SHD29	SSF.I	-		S011	021BS-38	29		CS-S011		HSSVMCB2	27	312200 J006	104	1S	1S
-																
103	SPIRE SLW JFETV A2 . +ve	SSF.I	-		S012	021BS-38	30				HSSVMCB2	27	312200 J006	103	1S	1S
113	SPIRE SLW JFETV A2 . -ve	SSF.I	-		S012	021BS-38	30				HSSVMCB2	27	312200 J006	113	1S	1S
104	SPIRE SLW JFETV A2 . SHD30	SSF.I	-		S012	021BS-38	30		CS-S012		HSSVMCB2	27	312200 J006	104	1S	1S
-																
104	SPIRE SLW GND WIRE B3	SSX.-	-		S405	010B0-30			SLW GND Wire B3		HSSVMCB2	27	312200 J006	104	1S	1S
-																1S
090	SPIRE SSW Bias A1 . +ve	SSC.I	-		S029	021BS-38	31				HSSVMCB2	27	312200 J006	090	1S	1S
079	SPIRE SSW Bias A1 . -ve	SSC.I	-		S029	021BS-38	31				HSSVMCB2	27	312200 J006	079	1S	1S
093	SPIRE SSW Bias A1 . SHD31	SSC.I	-		S029	021BS-38	31		CS-S029		HSSVMCB2	27	312200 J006	093	1S	1S
-																
068	SPIRE SSW JFETV A1 . +ve	SSE.I	-		S016	021BS-38	32				HSSVMCB2	27	312200 J006	068	1S	1S
057	SPIRE SSW JFETV A1 . -ve	SSE.I	-		S016	021BS-38	32				HSSVMCB2	27	312200 J006	057	1S	1S
093	SPIRE SSW JFETV A1 . SHD32	SSE.I	-		S016	021BS-38	32		CS-S016		HSSVMCB2	27	312200 J006	093	1S	1S
-																
069	SPIRE SSW Bias A2 . +ve	SSC.I	-		S031	021BS-38	33				HSSVMCB2	27	312200 J006	069	1S	1S
080	SPIRE SSW Bias A2 . -ve	SSC.I	-		S031	021BS-38	33				HSSVMCB2	27	312200 J006	080	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
093	SPIRE SSW Bias A2 . SHD33		SSC.I -		S031	021BS-38	33			CS-S031	HSSVMCB2	27	312200 J006	093	1S	1S
-																
070	SPIRE SSW JFETV A2 . +ve		SSE.I -		S017	021BS-38	34				HSSVMCB2	27	312200 J006	070	1S	1S
081	SPIRE SSW JFETV A2 . -ve		SSE.I -		S017	021BS-38	34				HSSVMCB2	27	312200 J006	081	1S	1S
093	SPIRE SSW JFETV A2 . SHD34		SSE.I -		S017	021BS-38	34			CS-S017	HSSVMCB2	27	312200 J006	093	1S	1S
-																
093	SPIRE SSW GND Wire C3		SSX.- -		S406	010B0-30				GND Wire C3	HSSVMCB2	27	312200 J006	093	1S	1S
-																1S
023	SPIRE SLW JFET Htr A . +ve		SSH.- -		S033	021BS-38	35				HSSVMCB2	27	312200 J006	023	1S	1S
034	SPIRE SLW JFET Htr A . -ve		SSH.- -		S033	021BS-38	35				HSSVMCB2	27	312200 J006	034	1S	1S
022	SPIRE SLW JFET Htr A . SHD35		SSH.- -		S033	021BS-38	35			CS-S033	HSSVMCB2	27	312200 J006	022	1S	1S
-																
033	SPIRE SSW JFET Htr A . +ve		SSG.- -		S034	021BS-38	36				HSSVMCB2	27	312200 J006	033	1S	1S
045	SPIRE SSW JFET Htr A . -ve		SSG.- -		S034	021BS-38	36				HSSVMCB2	27	312200 J006	045	1S	1S
022	SPIRE SSW JFET Htr A . SHD36		SSG.- -		S034	021BS-38	36			CS-S034	HSSVMCB2	27	312200 J006	022	1S	1S
-																
044	SPIRE PTC JFET Htr A . +ve		S3B.- -		S019	021BS-38	37				HSSVMCB2	27	312200 J006	044	1S	1S
056	SPIRE PTC JFET Htr A . -ve		S3B.- -		S019	021BS-38	37				HSSVMCB2	27	312200 J006	056	1S	1S
022	SPIRE PTC JFET Htr A . SHD37		S3B.- -		S019	021BS-38	37			CS-S019	HSSVMCB2	27	312200 J006	022	1S	1S
-																
001	SPIRE PTC TC Bias B . +ve		S3A.I -		S020	021BS-38	38				HSSVMCB2	27	312200 J006	001	1S	1S
008	SPIRE PTC TC Bias B . -ve		S3A.I -		S020	021BS-38	38				HSSVMCB2	27	312200 J006	008	1S	1S
004	SPIRE PTC TC Bias B . SHD38		S3A.I -		S020	021BS-38	38			CS-S020	HSSVMCB2	27	312200 J006	004	1S	1S
-																
003	SPIRE PTC JFETV Bias B . +ve		S3C.I -		S022	021BS-38	39				HSSVMCB2	27	312200 J006	003	1S	1S
002	SPIRE PTC JFETV Bias B . -ve		S3C.I -		S022	021BS-38	39				HSSVMCB2	27	312200 J006	002	1S	1S
004	SPIRE PTC JFETV Bias B . SHD39		S3C.I -		S022	021BS-38	39			CS-S022	HSSVMCB2	27	312200 J006	004	1S	1S
-																
004	SPIRE PTC GND Wire A4		SSX.- -		S404	010B0-30				GND Wire A4	HSSVMCB2	27	312200 J006	004	1S	1S
-																
013	SPIRE SLW Bias B1 . +ve		SSD.I -		S038	021BS-38	40				HSSVMCB2	27	312200 J006	013	1S	1S
012	SPIRE SLW Bias B1 . -ve		SSD.I -		S038	021BS-38	40				HSSVMCB2	27	312200 J006	012	1S	1S
032	SPIRE SLW Bias B1 . SHD40		SSD.I -		S038	021BS-38	40			CS-S038	HSSVMCB2	27	312200 J006	032	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
021	SPIRE SLW Bias B2 . +ve		SSD.I -		S039	021BS-38	41				HSSVMCB2	27	312200 J006	021	1S	1S
020	SPIRE SLW Bias B2 . -ve		SSD.I -		S039	021BS-38	41				HSSVMCB2	27	312200 J006	020	1S	1S
032	SPIRE SLW Bias B2 . SHD41		SSD.I -		S039	021BS-38	41		CS-S039		HSSVMCB2	27	312200 J006	032	1S	1S
-																
031	SPIRE SLW JFETV B1 . +ve		SSF.I -		S028	021BS-38	42				HSSVMCB2	27	312200 J006	031	1S	1S
043	SPIRE SLW JFETV B1 . -ve		SSF.I -		S028	021BS-38	42				HSSVMCB2	27	312200 J006	043	1S	1S
032	SPIRE SLW JFETV B1 . SHD42		SSF.I -		S028	021BS-38	42		CS-S028		HSSVMCB2	27	312200 J006	032	1S	1S
-																
042	SPIRE SLW JFETV B2 . +ve		SSF.I -		S023	021BS-38	43				HSSVMCB2	27	312200 J006	042	1S	1S
054	SPIRE SLW JFETV B2 . -ve		SSF.I -		S023	021BS-38	43				HSSVMCB2	27	312200 J006	054	1S	1S
032	SPIRE SLW JFETV B2 . SHD43		SSF.I -		S023	021BS-38	43		CS-S023		HSSVMCB2	27	312200 J006	032	1S	1S
-																
032	SPIRE SLW GND Wire B4		SSX.- -		S407	010B0-30			Gnd Wire B4		HSSVMCB2	27	312200 J006	032	1S	1S
-																
010	SPIRE SSW Bias B1 . +ve		SSC.I -		S042	021BS-38	44				HSSVMCB2	27	312200 J006	010	1S	1S
011	SPIRE SSW Bias B1 . -ve		SSC.I -		S042	021BS-38	44				HSSVMCB2	27	312200 J006	011	1S	1S
040	SPIRE SSW Bias B1 . SHD44		SSC.I -		S042	021BS-38	44		CS-S042		HSSVMCB2	27	312200 J006	040	1S	1S
-																
019	SPIRE SSW JFETV B1 . +ve		SSE.I -		S035	021BS-38	45				HSSVMCB2	27	312200 J006	019	1S	1S
029	SPIRE SSW JFETV B1 . -ve		SSE.I -		S035	021BS-38	45				HSSVMCB2	27	312200 J006	029	1S	1S
040	SPIRE SSW JFETV B1 . SHD45		SSE.I -		S035	021BS-38	45		CS-S035		HSSVMCB2	27	312200 J006	040	1S	1S
-																
041	SPIRE SSW Bias B2 . +ve		SSC.I -		S044	021BS-38	46				HSSVMCB2	27	312200 J006	041	1S	1S
030	SPIRE SSW Bias B2 . -ve		SSC.I -		S044	021BS-38	46				HSSVMCB2	27	312200 J006	030	1S	1S
040	SPIRE SSW Bias B2 . SHD46		SSC.I -		S044	021BS-38	46		CS-S044		HSSVMCB2	27	312200 J006	040	1S	1S
-																
053	SPIRE SSW JFETV B2 . +ve		SSE.I -		S036	021BS-38	47				HSSVMCB2	27	312200 J006	053	1S	1S
052	SPIRE SSW JFETV B2 . -ve		SSE.I -		S036	021BS-38	47				HSSVMCB2	27	312200 J006	052	1S	1S
040	SPIRE SSW JFETV B2 . SHD47		SSE.I -		S036	021BS-38	47		CS-S036		HSSVMCB2	27	312200 J006	040	1S	1S
-																
040	SPIRE SSW GND Wire C4		SSX.- -		S408	010B0-30			GND Wire C4		HSSVMCB2	27	312200 J006	040	1S	1S
-																
018	SPIRE SLW JFET Htr B . +ve		SSH.- -		S046	021BS-38	48				HSSVMCB2	27	312200 J006	018	1S	1S
028	SPIRE SLW JFET Htr B . -ve		SSH.- -		S046	021BS-38	48				HSSVMCB2	27	312200 J006	028	1S	1S

Pin Allocation List (Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
039	SPIRE SLW JFET Htr B . SHD48		SSH.-	-	S046	021BS-38	48			CS-S046	HSSVMCB2	27	312200 J006	039	1S	1S
-																
009	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	49				HSSVMCB2	27	312200 J006	009	1S	1S
017	SPIRE SSW JFET Htr B . -ve		SSG.-	-	S047	021BS-38	49				HSSVMCB2	27	312200 J006	017	1S	1S
039	SPIRE SSW JFET Htr B . SHD49		SSG.-	-	S047	021BS-38	49			CS-S047	HSSVMCB2	27	312200 J006	039	1S	1S
-																
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	50				HSSVMCB2	27	312200 J006	016	1S	1S
027	SPIRE PTC JFET Htr B . -ve		S3B.-	-	S040	021BS-38	50				HSSVMCB2	27	312200 J006	027	1S	1S
039	SPIRE PTC JFET Htr B . SHD50		S3B.-	-	S040	021BS-38	50			CS-S50	HSSVMCB2	27	312200 J006	039	1S	1S
-																
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
022	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
036	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
039	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
058	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
128	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
-																
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS						1S
-																1S

Pin Allocation List (Harness)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
115	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
122	to be con to pin 115									shield interconnection					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE SLW Ch01-04 . 1+		SSB.I -		S001	021SS-38	1	001-1		CVVUCR	33	211121 P032	026	1S	1S	
037	SPIRE SLW Ch01-04 . 1-		SSB.I -		S001	021SS-38	1	001-1		CVVUCR	33	211121 P032	037	1S	1S	
115	SPIRE SLW Ch01-04 . SHD01		SSB.I -		S001	021SS-38	1	001-1	CS-S001-1	CVVUCR	33	211121 P032	115	1S	1S	
-																
038	SPIRE SLW Ch01-04 . 2+		SSB.I -		S001	021SS-38	2	001-2		CVVUCR	33	211121 P032	038	1S	1S	
049	SPIRE SLW Ch01-04 . 2-		SSB.I -		S001	021SS-38	2	001-2		CVVUCR	33	211121 P032	049	1S	1S	
115	SPIRE SLW Ch01-04 . SHD02		SSB.I -		S001	021SS-38	2	001-2	CS-S001-2	CVVUCR	33	211121 P032	115	1S	1S	
-																
048	SPIRE SLW Ch01-04 . 3+		SSB.I -		S001	021SS-38	3	001-3		CVVUCR	33	211121 P032	048	1S	1S	
060	SPIRE SLW Ch01-04 . 3-		SSB.I -		S001	021SS-38	3	001-3		CVVUCR	33	211121 P032	060	1S	1S	
115	SPIRE SLW Ch01-04 . SHD03		SSB.I -		S001	021SS-38	3	001-3	CS-S001-3	CVVUCR	33	211121 P032	115	1S	1S	
-																
059	SPIRE SLW Ch01-04 . 4+		SSB.I -		S001	021SS-38	4	001-4		CVVUCR	33	211121 P032	059	1S	1S	
071	SPIRE SLW Ch01-04 . 4-		SSB.I -		S001	021SS-38	4	001-4		CVVUCR	33	211121 P032	071	1S	1S	
115	SPIRE SLW Ch01-04 . SHD04		SSB.I -		S001	021SS-38	4	001-4	CS-S001-4	CVVUCR	33	211121 P032	115	1S	1S	
-																
050	SPIRE SLW Ch05-08 . 5+		SSB.I -		S002	021SS-38	5	002-1		CVVUCR	33	211121 P032	050	1S	1S	
061	SPIRE SLW Ch05-08 . 5-		SSB.I -		S002	021SS-38	5	002-1		CVVUCR	33	211121 P032	061	1S	1S	
115	SPIRE SLW Ch05-08 . SHD05		SSB.I -		S002	021SS-38	5	002-1	CS-S002-1	CVVUCR	33	211121 P032	115	1S	1S	
-																
062	SPIRE SLW Ch05-08 . 6+		SSB.I -		S002	021SS-38	6	002-2		CVVUCR	33	211121 P032	062	1S	1S	
051	SPIRE SLW Ch05-08 . 6-		SSB.I -		S002	021SS-38	6	002-2		CVVUCR	33	211121 P032	051	1S	1S	
115	SPIRE SLW Ch05-08 . SHD06		SSB.I -		S002	021SS-38	6	002-2	CS-S002-2	CVVUCR	33	211121 P032	115	1S	1S	
-																
063	SPIRE SLW Ch05-08 . 7+		SSB.I -		S002	021SS-38	7	002-3		CVVUCR	33	211121 P032	063	1S	1S	
075	SPIRE SLW Ch05-08 . 7-		SSB.I -		S002	021SS-38	7	002-3		CVVUCR	33	211121 P032	075	1S	1S	
115	SPIRE SLW Ch05-08 . SHD07		SSB.I -		S002	021SS-38	7	002-3	CS-S002-3	CVVUCR	33	211121 P032	115	1S	1S	
-																
074	SPIRE SLW Ch05-08 . 8+		SSB.I -		S002	021SS-38	8	002-4		CVVUCR	33	211121 P032	074	1S	1S	
073	SPIRE SLW Ch05-08 . 8-		SSB.I -		S002	021SS-38	8	002-4		CVVUCR	33	211121 P032	073	1S	1S	
115	SPIRE SLW Ch05-08 . SHD08		SSB.I -		S002	021SS-38	8	002-4	CS-S002-4	CVVUCR	33	211121 P032	115	1S	1S	
-																
083	SPIRE SLW Ch09-12 . 9+		SSB.I -		S003	021SS-38	9	003-1		CVVUCR	33	211121 P032	083	1S	1S	
072	SPIRE SLW Ch09-12 . 9-		SSB.I -		S003	021SS-38	9	003-1		CVVUCR	33	211121 P032	072	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
115	SPIRE SLW Ch09-12 . SHD09		SSB.I -		S003	021SS-38	9	003-1		CS-S003-1	CVVUCR	33	211121 P032	115	1S	1S
-																
095	SPIRE SLW Ch09-12 . 10+		SSB.I -		S003	021SS-38	10	003-2			CVVUCR	33	211121 P032	095	1S	1S
084	SPIRE SLW Ch09-12 . 10-		SSB.I -		S003	021SS-38	10	003-2			CVVUCR	33	211121 P032	084	1S	1S
115	SPIRE SLW Ch09-12 . SHD10		SSB.I -		S003	021SS-38	10	003-2		CS-S003-2	CVVUCR	33	211121 P032	115	1S	1S
-																
096	SPIRE SLW Ch09-12 . 11+		SSB.I -		S003	021SS-38	11	003-3			CVVUCR	33	211121 P032	096	1S	1S
085	SPIRE SLW Ch09-12 . 11-		SSB.I -		S003	021SS-38	11	003-3			CVVUCR	33	211121 P032	085	1S	1S
115	SPIRE SLW Ch09-12 . SHD11		SSB.I -		S003	021SS-38	11	003-3		CS-S003-3	CVVUCR	33	211121 P032	115	1S	1S
-																
106	SPIRE SLW Ch09-12 . 12+		SSB.I -		S003	021SS-38	12	003-4			CVVUCR	33	211121 P032	106	1S	1S
107	SPIRE SLW Ch09-12 . 12-		SSB.I -		S003	021SS-38	12	003-4			CVVUCR	33	211121 P032	107	1S	1S
115	SPIRE SLW Ch09-12 . SHD12		SSB.I -		S003	021SS-38	12	003-4		CS-S003-4	CVVUCR	33	211121 P032	115	1S	1S
-																
086	SPIRE SLW Ch13-16 . 13+		SSB.I -		S004	021SS-38	13	004-1			CVVUCR	33	211121 P032	086	1S	1S
087	SPIRE SLW Ch13-16 . 13-		SSB.I -		S004	021SS-38	13	004-1			CVVUCR	33	211121 P032	087	1S	1S
122	SPIRE SLW Ch13-16 . SHD13		SSB.I -		S004	021SS-38	13	004-1		CS-S004-1	CVVUCR	33	211121 P032	122	1S	1S
-																
097	SPIRE SLW Ch13-16 . 14+		SSB.I -		S004	021SS-38	14	004-2			CVVUCR	33	211121 P032	097	1S	1S
098	SPIRE SLW Ch13-16 . 14-		SSB.I -		S004	021SS-38	14	004-2			CVVUCR	33	211121 P032	098	1S	1S
122	SPIRE SLW Ch13-16 . SHD14		SSB.I -		S004	021SS-38	14	004-2		CS-S004-2	CVVUCR	33	211121 P032	122	1S	1S
-																
108	SPIRE SLW Ch13-16 . 15+		SSB.I -		S004	021SS-38	15	004-3			CVVUCR	33	211121 P032	108	1S	1S
109	SPIRE SLW Ch13-16 . 15-		SSB.I -		S004	021SS-38	15	004-3			CVVUCR	33	211121 P032	109	1S	1S
122	SPIRE SLW Ch13-16 . SHD15		SSB.I -		S004	021SS-38	15	004-3		CS-S004-3	CVVUCR	33	211121 P032	122	1S	1S
-																
116	SPIRE SLW Ch13-16 . 16+		SSB.I -		S004	021SS-38	16	004-4			CVVUCR	33	211121 P032	116	1S	1S
117	SPIRE SLW Ch13-16 . 16-		SSB.I -		S004	021SS-38	16	004-4			CVVUCR	33	211121 P032	117	1S	1S
122	SPIRE SLW Ch13-16 . SHD16		SSB.I -		S004	021SS-38	16	004-4		CS-S004-4	CVVUCR	33	211121 P032	122	1S	1S
-																
055	SPIRE SLW Ch17-20 . 17+		SSB.I -		S005	021SS-38	17	005-1			CVVUCR	33	211121 P032	055	1S	1S
066	SPIRE SLW Ch17-20 . 17-		SSB.I -		S005	021SS-38	17	005-1			CVVUCR	33	211121 P032	066	1S	1S
122	SPIRE SLW Ch17-20 . SHD17		SSB.I -		S005	021SS-38	17	005-1		CS-S005-1	CVVUCR	33	211121 P032	122	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
067	SPIRE SLW Ch17-20 . 18+	SSB.I	-		S005	021SS-38	18	005-2		CVVUCR	33	211121 P032	067	1S	1S	
078	SPIRE SLW Ch17-20 . 18-	SSB.I	-		S005	021SS-38	18	005-2		CVVUCR	33	211121 P032	078	1S	1S	
122	SPIRE SLW Ch17-20 . SHD18	SSB.I	-		S005	021SS-38	18	005-2	CS-S005-2	CVVUCR	33	211121 P032	122	1S	1S	
-																
076	SPIRE SLW Ch17-20 . 19+	SSB.I	-		S005	021SS-38	19	005-3		CVVUCR	33	211121 P032	076	1S	1S	
077	SPIRE SLW Ch17-20 . 19-	SSB.I	-		S005	021SS-38	19	005-3		CVVUCR	33	211121 P032	077	1S	1S	
122	SPIRE SLW Ch17-20 . SHD19	SSB.I	-		S005	021SS-38	19	005-3	CS-S005-3	CVVUCR	33	211121 P032	122	1S	1S	
-																
088	SPIRE SLW Ch17-20 . 20+	SSB.I	-		S005	021SS-38	20	005-4		CVVUCR	33	211121 P032	088	1S	1S	
089	SPIRE SLW Ch17-20 . 20-	SSB.I	-		S005	021SS-38	20	005-4		CVVUCR	33	211121 P032	089	1S	1S	
122	SPIRE SLW Ch17-20 . SHD20	SSB.I	-		S005	021SS-38	20	005-4	CS-S005-4	CVVUCR	33	211121 P032	122	1S	1S	
-																
099	SPIRE SLW Ch21-24 . 21+	SSB.I	-		S006	021SS-38	21	006-1		CVVUCR	33	211121 P032	099	1S	1S	
100	SPIRE SLW Ch21-24 . 21-	SSB.I	-		S006	021SS-38	21	006-1		CVVUCR	33	211121 P032	100	1S	1S	
122	SPIRE SLW Ch21-24 . SHD21	SSB.I	-		S006	021SS-38	21	006-1	CS-S006-1	CVVUCR	33	211121 P032	122	1S	1S	
-																
110	SPIRE SLW Ch21-24 . 22+	SSB.I	-		S006	021SS-38	22	006-2		CVVUCR	33	211121 P032	110	1S	1S	
111	SPIRE SLW Ch21-24 . 22-	SSB.I	-		S006	021SS-38	22	006-2		CVVUCR	33	211121 P032	111	1S	1S	
122	SPIRE SLW Ch21-24 . SHD22	SSB.I	-		S006	021SS-38	22	006-2	CS-S006-2	CVVUCR	33	211121 P032	122	1S	1S	
-																
118	SPIRE SLW Ch21-24 . 23+	SSB.I	-		S006	021SS-38	23	006-3		CVVUCR	33	211121 P032	118	1S	1S	
119	SPIRE SLW Ch21-24 . 23-	SSB.I	-		S006	021SS-38	23	006-3		CVVUCR	33	211121 P032	119	1S	1S	
122	SPIRE SLW Ch21-24 . SHD23	SSB.I	-		S006	021SS-38	23	006-3	CS-S006-3	CVVUCR	33	211121 P032	122	1S	1S	
-																
112	SPIRE SLW Ch21-24 . 24+	SSB.I	-		S006	021SS-38	24	006-4		CVVUCR	33	211121 P032	112	1S	1S	
120	SPIRE SLW Ch21-24 . 24-	SSB.I	-		S006	021SS-38	24	006-4		CVVUCR	33	211121 P032	120	1S	1S	
122	SPIRE SLW Ch21-24 . SHD24	SSB.I	-		S006	021SS-38	24	006-4	CS-S006-4	CVVUCR	33	211121 P032	122	1S	1S	
-																
122	SPIRE SLW GND Wire A2	SSX.-	-		S402	010B0-30			GND Wire A	CVVUCR	33	211121 P032	122	1S	1S	
-																
007	SPIRE PTC TC Bias A . +ve	S3A.I	-		S009	021BS-38	25			CVVUCR	33	211121 P032	007	1S	1S	
014	SPIRE PTC TC Bias A . -ve	S3A.I	-		S009	021BS-38	25			CVVUCR	33	211121 P032	014	1S	1S	
046	SPIRE PTC TC Bias A . SHD25	S3A.I	-		S009	021BS-38	25		CS-S009	CVVUCR	33	211121 P032	046	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
024	SPIRE PTC JFETV Bias A . +ve		S3C.I -		S010	021BS-38	26				CVVUCR	33	211121 P032	024	1S 1S
035	SPIRE PTC JFETV Bias A . -ve		S3C.I -		S010	021BS-38	26				CVVUCR	33	211121 P032	035	1S 1S
046	SPIRE PTC JFETV Bias A . SHD26		S3C.I -		S010	021BS-38	26		CS-S010		CVVUCR	33	211121 P032	046	1S 1S
-															
046	SPIRE PTC GND WIRE A3		SSX.- -		S403	010B0-30			Gnd Wire A		CVVUCR	33	211121 P032	046	1S 1S
-															
121	SPIRE SLW Bias A1 . +ve		SSD.I -		S025	021BS-38	27				CVVUCR	33	211121 P032	121	1S 1S
114	SPIRE SLW Bias A1 . -ve		SSD.I -		S025	021BS-38	27				CVVUCR	33	211121 P032	114	1S 1S
104	SPIRE SLW Bias A1 . SHD27		SSD.I -		S025	021BS-38	27		CS-S025		CVVUCR	33	211121 P032	104	1S 1S
-															
102	SPIRE SLW Bias A2 . +ve		SSD.I -		S026	021BS-38	28				CVVUCR	33	211121 P032	102	1S 1S
101	SPIRE SLW Bias A2 . -ve		SSD.I -		S026	021BS-38	28				CVVUCR	33	211121 P032	101	1S 1S
104	SPIRE SLW Bias A2 . SHD28		SSD.I -		S026	021BS-38	28		CS-S026		CVVUCR	33	211121 P032	104	1S 1S
-															
092	SPIRE SLW JFETV A1 . +ve		SSF.I -		S011	021BS-38	29				CVVUCR	33	211121 P032	092	1S 1S
091	SPIRE SLW JFETV A1 . -ve		SSF.I -		S011	021BS-38	29				CVVUCR	33	211121 P032	091	1S 1S
104	SPIRE SLW JFETV A1 . SHD29		SSF.I -		S011	021BS-38	29		CS-S011		CVVUCR	33	211121 P032	104	1S 1S
-															
103	SPIRE SLW JFETV A2 . +ve		SSF.I -		S012	021BS-38	30				CVVUCR	33	211121 P032	103	1S 1S
113	SPIRE SLW JFETV A2 . -ve		SSF.I -		S012	021BS-38	30				CVVUCR	33	211121 P032	113	1S 1S
104	SPIRE SLW JFETV A2 . SHD30		SSF.I -		S012	021BS-38	30		CS-S012		CVVUCR	33	211121 P032	104	1S 1S
-															
104	SPIRE SLW GND WIRE B3		SSX.- -		S405	010B0-30			SLW GND Wire B3		CVVUCR	33	211121 P032	104	1S 1S
-															
090	SPIRE SSW Bias A1 . +ve		SSC.I -		S029	021BS-38	31				CVVUCR	33	211121 P032	090	1S 1S
079	SPIRE SSW Bias A1 . -ve		SSC.I -		S029	021BS-38	31				CVVUCR	33	211121 P032	079	1S 1S
093	SPIRE SSW Bias A1 . SHD31		SSC.I -		S029	021BS-38	31		CS-S029		CVVUCR	33	211121 P032	093	1S 1S
-															
068	SPIRE SSW JFETV A1 . +ve		SSE.I -		S016	021BS-38	32				CVVUCR	33	211121 P032	068	1S 1S
057	SPIRE SSW JFETV A1 . -ve		SSE.I -		S016	021BS-38	32				CVVUCR	33	211121 P032	057	1S 1S
093	SPIRE SSW JFETV A1 . SHD32		SSE.I -		S016	021BS-38	32		CS-S016		CVVUCR	33	211121 P032	093	1S 1S
-															
069	SPIRE SSW Bias A2 . +ve		SSC.I -		S031	021BS-38	33				CVVUCR	33	211121 P032	069	1S 1S
080	SPIRE SSW Bias A2 . -ve		SSC.I -		S031	021BS-38	33				CVVUCR	33	211121 P032	080	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
093	SPIRE SSW Bias A2 . SHD33		SSC.I -		S031	021BS-38	33			CS-S031	CVVUCR	33	211121 P032	093	1S	1S
-																
070	SPIRE SSW JFETV A2 . +ve		SSE.I -		S017	021BS-38	34				CVVUCR	33	211121 P032	070	1S	1S
081	SPIRE SSW JFETV A2 . -ve		SSE.I -		S017	021BS-38	34				CVVUCR	33	211121 P032	081	1S	1S
093	SPIRE SSW JFETV A2 . SHD34		SSE.I -		S017	021BS-38	34			CS-S017	CVVUCR	33	211121 P032	093	1S	1S
-																
093	SPIRE SSW GND Wire C3		SSX.- -		S406	010B0-30				GND Wire C3	CVVUCR	33	211121 P032	093	1S	1S
-																
023	SPIRE SLW JFET Htr A . +ve		SSH.- -		S033	021BS-38	35				CVVUCR	33	211121 P032	023	1S	1S
034	SPIRE SLW JFET Htr A . -ve		SSH.- -		S033	021BS-38	35				CVVUCR	33	211121 P032	034	1S	1S
022	SPIRE SLW JFET Htr A . SHD35		SSH.- -		S033	021BS-38	35			CS-S033	CVVUCR	33	211121 P032	022	1S	1S
-																
033	SPIRE SSW JFET Htr A . +ve		SSG.- -		S034	021BS-38	36				CVVUCR	33	211121 P032	033	1S	1S
045	SPIRE SSW JFET Htr A . -ve		SSG.- -		S034	021BS-38	36				CVVUCR	33	211121 P032	045	1S	1S
022	SPIRE SSW JFET Htr A . SHD36		SSG.- -		S034	021BS-38	36			CS-S034	CVVUCR	33	211121 P032	022	1S	1S
-																
044	SPIRE PTC JFET Htr A . +ve		S3B.- -		S019	021BS-38	37				CVVUCR	33	211121 P032	044	1S	1S
056	SPIRE PTC JFET Htr A . -ve		S3B.- -		S019	021BS-38	37				CVVUCR	33	211121 P032	056	1S	1S
022	SPIRE PTC JFET Htr A . SHD37		S3B.- -		S019	021BS-38	37			CS-S019	CVVUCR	33	211121 P032	022	1S	1S
-																
001	SPIRE PTC TC Bias B . +ve		S3A.I -		S020	021BS-38	38				CVVUCR	33	211121 P032	001	1S	1S
008	SPIRE PTC TC Bias B . -ve		S3A.I -		S020	021BS-38	38				CVVUCR	33	211121 P032	008	1S	1S
004	SPIRE PTC TC Bias B . SHD38		S3A.I -		S020	021BS-38	38			CS-S020	CVVUCR	33	211121 P032	004	1S	1S
-																
003	SPIRE PTC JFETV Bias B . +ve		S3C.I -		S022	021BS-38	39				CVVUCR	33	211121 P032	003	1S	1S
002	SPIRE PTC JFETV Bias B . -ve		S3C.I -		S022	021BS-38	39				CVVUCR	33	211121 P032	002	1S	1S
004	SPIRE PTC JFETV Bias B . SHD39		S3C.I -		S022	021BS-38	39			CS-S022	CVVUCR	33	211121 P032	004	1S	1S
-																
004	SPIRE PTC GND Wire A4		SSX.- -		S404	010B0-30				GND Wire A4	CVVUCR	33	211121 P032	004	1S	1S
-																
013	SPIRE SLW Bias B1 . +ve		SSD.I -		S038	021BS-38	40				CVVUCR	33	211121 P032	013	1S	1S
012	SPIRE SLW Bias B1 . -ve		SSD.I -		S038	021BS-38	40				CVVUCR	33	211121 P032	012	1S	1S
032	SPIRE SLW Bias B1 . SHD40		SSD.I -		S038	021BS-38	40			CS-S038	CVVUCR	33	211121 P032	032	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
021	SPIRE SLW Bias B2 . +ve		SSD.I -		S039	021BS-38	41				CVVUCR	33	211121 P032	021	1S 1S
020	SPIRE SLW Bias B2 . -ve		SSD.I -		S039	021BS-38	41				CVVUCR	33	211121 P032	020	1S 1S
032	SPIRE SLW Bias B2 . SHD41		SSD.I -		S039	021BS-38	41		CS-S039		CVVUCR	33	211121 P032	032	1S 1S
-															
031	SPIRE SLW JFETV B1 . +ve		SSF.I -		S028	021BS-38	42				CVVUCR	33	211121 P032	031	1S 1S
043	SPIRE SLW JFETV B1 . -ve		SSF.I -		S028	021BS-38	42				CVVUCR	33	211121 P032	043	1S 1S
032	SPIRE SLW JFETV B1 . SHD42		SSF.I -		S028	021BS-38	42		CS-S042		CVVUCR	33	211121 P032	032	1S 1S
-															
042	SPIRE SLW JFETV B2 . +ve		SSF.I -		S023	021BS-38	43				CVVUCR	33	211121 P032	042	1S 1S
054	SPIRE SLW JFETV B2 . -ve		SSF.I -		S023	021BS-38	43				CVVUCR	33	211121 P032	054	1S 1S
032	SPIRE SLW JFETV B2 . SHD43		SSF.I -		S023	021BS-38	43		CS-S023		CVVUCR	33	211121 P032	032	1S 1S
-															
032	SPIRE SLW GND Wire B4		SSX.- -		S407	010B0-30			Gnd Wire B4		CVVUCR	33	211121 P032	032	1S 1S
-															
010	SPIRE SSW Bias B1 . +ve		SSC.I -		S042	021BS-38	44				CVVUCR	33	211121 P032	010	1S 1S
011	SPIRE SSW Bias B1 . -ve		SSC.I -		S042	021BS-38	44				CVVUCR	33	211121 P032	011	1S 1S
040	SPIRE SSW Bias B1 . SHD44		SSC.I -		S042	021BS-38	44		CS-S042		CVVUCR	33	211121 P032	040	1S 1S
-															
019	SPIRE SSW JFETV B1 . +ve		SSE.I -		S035	021BS-38	45				CVVUCR	33	211121 P032	019	1S 1S
029	SPIRE SSW JFETV B1 . -ve		SSE.I -		S035	021BS-38	45				CVVUCR	33	211121 P032	029	1S 1S
040	SPIRE SSW JFETV B1 . SHD45		SSE.I -		S035	021BS-38	45		CS-S035		CVVUCR	33	211121 P032	040	1S 1S
-															
041	SPIRE SSW Bias B2 . +ve		SSC.I -		S044	021BS-38	46				CVVUCR	33	211121 P032	041	1S 1S
030	SPIRE SSW Bias B2 . -ve		SSC.I -		S044	021BS-38	46				CVVUCR	33	211121 P032	030	1S 1S
040	SPIRE SSW Bias B2 . SHD46		SSC.I -		S044	021BS-38	46		CS-S044		CVVUCR	33	211121 P032	040	1S 1S
-															
053	SPIRE SSW JFETV B2 . +ve		SSE.I -		S036	021BS-38	47				CVVUCR	33	211121 P032	053	1S 1S
052	SPIRE SSW JFETV B2 . -ve		SSE.I -		S036	021BS-38	47				CVVUCR	33	211121 P032	052	1S 1S
040	SPIRE SSW JFETV B2 . SHD47		SSE.I -		S036	021BS-38	47		CS-S036		CVVUCR	33	211121 P032	040	1S 1S
-															
040	SPIRE SSW GND Wire C4		SSX.- -		S408	010B0-30			GND Wire C4		CVVUCR	33	211121 P032	040	1S 1S
-															
018	SPIRE SLW JFET Htr B . +ve		SSH.- -		S046	021BS-38	48				CVVUCR	33	211121 P032	018	1S 1S
028	SPIRE SLW JFET Htr B . -ve		SSH.- -		S046	021BS-38	48				CVVUCR	33	211121 P032	028	1S 1S

Pin Allocation List (Harness)

Connector: 312200 J006

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
039	SPIRE SLW JFET Htr B . SHD48		SSH.-	-	S046	021BS-38	48			CS-S046	CVVUCR	33	211121 P032	039	1S	1S
-																
009	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	49				CVVUCR	33	211121 P032	009	1S	1S
017	SPIRE SSW JFET Htr B . -ve		SSG.-	-	S047	021BS-38	49				CVVUCR	33	211121 P032	017	1S	1S
039	SPIRE SSW JFET Htr B . SHD49		SSG.-	-	S047	021BS-38	49			CS-S047	CVVUCR	33	211121 P032	039	1S	1S
-																
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	50				CVVUCR	33	211121 P032	016	1S	1S
027	SPIRE PTC JFET Htr B . -ve		S3B.-	-	S040	021BS-38	50				CVVUCR	33	211121 P032	027	1S	1S
039	SPIRE PTC JFET Htr B . SHD50		S3B.-	-	S040	021BS-38	50			CS-S040	CVVUCR	33	211121 P032	039	1S	1S
-																
005	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
022	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
036	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
039	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
058	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
128	to be con as part of FCR									Faraday Cage Ring (FCR)						1S
-																
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS						1S
-																

Pin Allocation List (Harness)

Connector: 312200 J006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
115	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
122	to be con to pin 115			-						shield interconnection					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
090	SPIRE SSW Ch01-04 . 1+		SSA.I -		S051	021SS-38	1	051-1		HSSVMCB2	27	312200 J005	090	1S	1S	
079	SPIRE SSW Ch01-04 . 1-		SSA.I -		S051	021SS-38	1	051-1		HSSVMCB2	27	312200 J005	079	1S	1S	
047	SPIRE SSW Ch01-04 . SHD01		SSA.I -		S051	021SS-38	1	051-1	CS-S051-1	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
102	SPIRE SSW Ch01-04 . 2+		SSA.I -		S051	021SS-38	2	051-2		HSSVMCB2	27	312200 J005	102	1S	1S	
101	SPIRE SSW Ch01-04 . 2-		SSA.I -		S051	021SS-38	2	051-2		HSSVMCB2	27	312200 J005	101	1S	1S	
047	SPIRE SSW Ch01-04 . SHD02		SSA.I -		S051	021SS-38	2	051-2	CS-S051-2	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
092	SPIRE SSW Ch01-04 . 3+		SSA.I -		S051	021SS-38	3	051-3		HSSVMCB2	27	312200 J005	092	1S	1S	
091	SPIRE SSW Ch01-04 . 3-		SSA.I -		S051	021SS-38	3	051-3		HSSVMCB2	27	312200 J005	091	1S	1S	
047	SPIRE SSW Ch01-04 . SHD03		SSA.I -		S051	021SS-38	3	051-3	CS-S051-3	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
103	SPIRE SSW Ch01-04 . 4+		SSA.I -		S051	021SS-38	4	051-4		HSSVMCB2	27	312200 J005	103	1S	1S	
113	SPIRE SSW Ch01-04 . 4-		SSA.I -		S051	021SS-38	4	051-4		HSSVMCB2	27	312200 J005	113	1S	1S	
047	SPIRE SSW Ch01-04 . SHD04		SSA.I -		S051	021SS-38	4	051-4	CS-S051-4	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
058	SPIRE SSW Ch05-08 . 5+		SSA.I -		S052	021SS-38	5	052-1		HSSVMCB2	27	312200 J005	058	1S	1S	
046	SPIRE SSW Ch05-08 . 5-		SSA.I -		S052	021SS-38	5	052-1		HSSVMCB2	27	312200 J005	046	1S	1S	
047	SPIRE SSW Ch05-08 . SHD05		SSA.I -		S052	021SS-38	5	052-1	CS-S052-1	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
068	SPIRE SSW Ch05-08 . 6+		SSA.I -		S052	021SS-38	6	052-2		HSSVMCB2	27	312200 J005	068	1S	1S	
057	SPIRE SSW Ch05-08 . 6-		SSA.I -		S052	021SS-38	6	052-2		HSSVMCB2	27	312200 J005	057	1S	1S	
047	SPIRE SSW Ch05-08 . SHD06		SSA.I -		S052	021SS-38	6	052-2	CS-S052-2	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
069	SPIRE SSW Ch05-08 . 7+		SSA.I -		S052	021SS-38	7	052-3		HSSVMCB2	27	312200 J005	069	1S	1S	
080	SPIRE SSW Ch05-08 . 7-		SSA.I -		S052	021SS-38	7	052-3		HSSVMCB2	27	312200 J005	080	1S	1S	
047	SPIRE SSW Ch05-08 . SHD07		SSA.I -		S052	021SS-38	7	052-3	CS-S052-3	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
070	SPIRE SSW Ch05-08 . 8+		SSA.I -		S052	021SS-38	8	052-4		HSSVMCB2	27	312200 J005	070	1S	1S	
081	SPIRE SSW Ch05-08 . 8-		SSA.I -		S052	021SS-38	8	052-4		HSSVMCB2	27	312200 J005	081	1S	1S	
047	SPIRE SSW Ch05-08 . SHD08		SSA.I -		S052	021SS-38	8	052-4	CS-S052-4	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
023	SPIRE SSW Ch09-12 . 9+		SSA.I -		S054	021SS-38	9	054-1		HSSVMCB2	27	312200 J005	023	1S	1S	
034	SPIRE SSW Ch09-12 . 9-		SSA.I -		S054	021SS-38	9	054-1		HSSVMCB2	27	312200 J005	034	1S	1S	

Pin Allocation List

(Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
047	SPIRE SSW Ch09-12 . SHD09		SSA.I -		S054	021SS-38	9	054-1	CS-S054-1	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
033	SPIRE SSW Ch09-12 . 10+		SSA.I -		S054	021SS-38	10	054-2		HSSVMCB2	27	312200 J005	033	1S	1S	
045	SPIRE SSW Ch09-12 . 10-		SSA.I -		S054	021SS-38	10	054-2		HSSVMCB2	27	312200 J005	045	1S	1S	
047	SPIRE SSW Ch09-12 . SHD10		SSA.I -		S054	021SS-38	10	054-2	CS-S054-2	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
044	SPIRE SSW Ch09-12 . 11+		SSA.I -		S054	021SS-38	11	054-3		HSSVMCB2	27	312200 J005	044	1S	1S	
056	SPIRE SSW Ch09-12 . 11-		SSA.I -		S054	021SS-38	11	054-3		HSSVMCB2	27	312200 J005	056	1S	1S	
047	SPIRE SSW Ch09-12 . SHD11		SSA.I -		S054	021SS-38	11	054-3	CS-S054-3	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
022	SPIRE SSW Ch09-12 . 12+		SSA.I -		S054	021SS-38	12	054-4		HSSVMCB2	27	312200 J005	022	1S	1S	
032	SPIRE SSW Ch09-12 . 12-		SSA.I -		S054	021SS-38	12	054-4		HSSVMCB2	27	312200 J005	032	1S	1S	
047	SPIRE SSW Ch09-12 . SHD12		SSA.I -		S054	021SS-38	12	054-4	CS-S054-4	HSSVMCB2	27	312200 J005	047	1S	1S	
-																
086	SPIRE SSW Ch13-16 . 13+		SSA.I -		S055	021SS-38	13	055-1		HSSVMCB2	27	312200 J005	086	1S	1S	
087	SPIRE SSW Ch13-16 . 13-		SSA.I -		S055	021SS-38	13	055-1		HSSVMCB2	27	312200 J005	087	1S	1S	
128	SPIRE SSW Ch13-16 . SHD13		SSA.I -		S055	021SS-38	13	055-1	CS055-1	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
097	SPIRE SSW Ch13-16 . 14+		SSA.I -		S055	021SS-38	14	055-2		HSSVMCB2	27	312200 J005	097	1S	1S	
098	SPIRE SSW Ch13-16 . 14-		SSA.I -		S055	021SS-38	14	055-2		HSSVMCB2	27	312200 J005	098	1S	1S	
128	SPIRE SSW Ch13-16 . SHD14		SSA.I -		S055	021SS-38	14	055-2	CS-S055-2	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
108	SPIRE SSW Ch13-16 . 15+		SSA.I -		S055	021SS-38	15	055-3		HSSVMCB2	27	312200 J005	108	1S	1S	
109	SPIRE SSW Ch13-16 . 15-		SSA.I -		S055	021SS-38	15	055-3		HSSVMCB2	27	312200 J005	109	1S	1S	
128	SPIRE SSW Ch13-16 . SHD15		SSA.I -		S055	021SS-38	15	055-3	CS-S055-3	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
116	SPIRE SSW Ch13-16 . 16+		SSA.I -		S055	021SS-38	16	055-4		HSSVMCB2	27	312200 J005	116	1S	1S	
117	SPIRE SSW Ch13-16 . 16-		SSA.I -		S055	021SS-38	16	055-4		HSSVMCB2	27	312200 J005	117	1S	1S	
128	SPIRE SSW Ch13-16 . SHD16		SSA.I -		S055	021SS-38	16	055-4	CS-S055-4	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
055	SPIRE SSW Ch17-20 . 17+		SSA.I -		S056	021SS-38	17	056-1		HSSVMCB2	27	312200 J005	055	1S	1S	
066	SPIRE SSW Ch17-20 . 17-		SSA.I -		S056	021SS-38	17	056-1		HSSVMCB2	27	312200 J005	066	1S	1S	
128	SPIRE SSW Ch17-20 . SHD17		SSA.I -		S056	021SS-38	17	056-1	CS-S056-1	HSSVMCB2	27	312200 J005	128	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 211121 P031**Function / Bundle:** UFThr. 289.2° SIH-XS-02**Conn.-Type:** 197-012P24-35SN (Plug)**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
067	SPIRE SSW Ch17-20 . 18+	SSA.I	-		S056	021SS-38	18	056-2		HSSVMCB2	27	312200 J005	067	1S	1S	
078	SPIRE SSW Ch17-20 . 18-	SSA.I	-		S056	021SS-38	18	056-2		HSSVMCB2	27	312200 J005	078	1S	1S	
128	SPIRE SSW Ch17-20 . SHD18	SSA.I	-		S056	021SS-38	18	056-2	CS-S056-2	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
076	SPIRE SSW Ch17-20 . 19+	SSA.I	-		S056	021SS-38	19	056-3		HSSVMCB2	27	312200 J005	076	1S	1S	
077	SPIRE SSW Ch17-20 . 19-	SSA.I	-		S056	021SS-38	19	056-3		HSSVMCB2	27	312200 J005	077	1S	1S	
128	SPIRE SSW Ch17-20 . SHD19	SSA.I	-		S056	021SS-38	19	056-3	CS-S056-3	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
088	SPIRE SSW Ch17-20 . 20+	SSA.I	-		S056	021SS-38	20	056-4		HSSVMCB2	27	312200 J005	088	1S	1S	
089	SPIRE SSW Ch17-20 . 20-	SSA.I	-		S056	021SS-38	20	056-4		HSSVMCB2	27	312200 J005	089	1S	1S	
128	SPIRE SSW Ch17-20 . SHD20	SSA.I	-		S056	021SS-38	20	056-4	CS-S056-4	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
099	SPIRE SSW Ch21-24 . 21+	SSA.I	-		S058	021SS-38	21	058-1		HSSVMCB2	27	312200 J005	099	1S	1S	
100	SPIRE SSW Ch21-24 . 21-	SSA.I	-		S058	021SS-38	21	058-1		HSSVMCB2	27	312200 J005	100	1S	1S	
128	SPIRE SSW Ch21-24 . SHD21	SSA.I	-		S058	021SS-38	21	058-1	CS-S058-1	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
110	SPIRE SSW Ch21-24 . 22+	SSA.I	-		S058	021SS-38	22	058-2		HSSVMCB2	27	312200 J005	110	1S	1S	
111	SPIRE SSW Ch21-24 . 22-	SSA.I	-		S058	021SS-38	22	058-2		HSSVMCB2	27	312200 J005	111	1S	1S	
128	SPIRE SSW Ch21-24 . SHD22	SSA.I	-		S058	021SS-38	22	058-2	CS-S058-2	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
118	SPIRE SSW Ch21-24 . 23+	SSA.I	-		S058	021SS-38	23	058-3		HSSVMCB2	27	312200 J005	118	1S	1S	
119	SPIRE SSW Ch21-24 . 23-	SSA.I	-		S058	021SS-38	23	058-3		HSSVMCB2	27	312200 J005	119	1S	1S	
128	SPIRE SSW Ch21-24 . SHD23	SSA.I	-		S058	021SS-38	23	058-3	CS-S058-3	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
112	SPIRE SSW Ch21-24 . 24+	SSA.I	-		S058	021SS-38	24	058-4		HSSVMCB2	27	312200 J005	112	1S	1S	
120	SPIRE SSW Ch21-24 . 24-	SSA.I	-		S058	021SS-38	24	058-4		HSSVMCB2	27	312200 J005	120	1S	1S	
128	SPIRE SSW Ch21-24 . SHD24	SSA.I	-		S058	021SS-38	24	058-4	CS-S058-4	HSSVMCB2	27	312200 J005	128	1S	1S	
-																
128	SPIRE B02 GND Wire A2	SSX.-	-		S422	010B0-30				HSSVMCB2	27	312200 J005	128	1S	1S	
-																
013	SPIRE SSW Ch25-28 . 25+	SSA.I	-		S059	021SS-38	25	059-1		HSSVMCB2	27	312200 J005	013	1S	1S	
012	SPIRE SSW Ch25-28 . 25-	SSA.I	-		S059	021SS-38	25	059-1		HSSVMCB2	27	312200 J005	012	1S	1S	
005	SPIRE SSW Ch25-28 . SHD25	SSA.I	-		S059	021SS-38	25	059-1	CS-S059-1	HSSVMCB2	27	312200 J005	005	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
021	SPIRE SSW Ch25-28 . 26+		SSA.I -		S059	021SS-38	26	059-2		HSSVMCB2	27	312200 J005	021	1S	1S	
020	SPIRE SSW Ch25-28 . 26-		SSA.I -		S059	021SS-38	26	059-2		HSSVMCB2	27	312200 J005	020	1S	1S	
005	SPIRE SSW Ch25-28 . SHD26		SSA.I -		S059	021SS-38	26	059-2	CS-S059-2	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
031	SPIRE SSW Ch25-28 . 27+		SSA.I -		S059	021SS-38	27	059-3		HSSVMCB2	27	312200 J005	031	1S	1S	
043	SPIRE SSW Ch25-28 . 27-		SSA.I -		S059	021SS-38	27	059-3		HSSVMCB2	27	312200 J005	043	1S	1S	
005	SPIRE SSW Ch25-28 . SHD27		SSA.I -		S059	021SS-38	27	059-3	CS-S059-3	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
042	SPIRE SSW Ch25-28 . 28+		SSA.I -		S059	021SS-38	28	059-4		HSSVMCB2	27	312200 J005	042	1S	1S	
054	SPIRE SSW Ch25-28 . 28-		SSA.I -		S059	021SS-38	28	059-4		HSSVMCB2	27	312200 J005	054	1S	1S	
005	SPIRE SSW Ch25-28 . SHD28		SSA.I -		S059	021SS-38	28	059-4	CS-S059-4	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
010	SPIRE SSW Ch29-32 . 29+		SSA.I -		S060	021SS-38	29	060-1		HSSVMCB2	27	312200 J005	010	1S	1S	
011	SPIRE SSW Ch29-32 . 29-		SSA.I -		S060	021SS-38	29	060-1		HSSVMCB2	27	312200 J005	011	1S	1S	
005	SPIRE SSW Ch29-32 . SHD29		SSA.I -		S060	021SS-38	29	060-1	CS-S060-1	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
019	SPIRE SSW Ch29-32 . 30+		SSA.I -		S060	021SS-38	30	060-2		HSSVMCB2	27	312200 J005	019	1S	1S	
029	SPIRE SSW Ch29-32 . 30-		SSA.I -		S060	021SS-38	30	060-2		HSSVMCB2	27	312200 J005	029	1S	1S	
005	SPIRE SSW Ch29-32 . SHD30		SSA.I -		S060	021SS-38	30	060-2	CS-S060-2	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
041	SPIRE SSW Ch29-32 . 31+		SSA.I -		S060	021SS-38	31	060-3		HSSVMCB2	27	312200 J005	041	1S	1S	
030	SPIRE SSW Ch29-32 . 31-		SSA.I -		S060	021SS-38	31	060-3		HSSVMCB2	27	312200 J005	030	1S	1S	
005	SPIRE SSW Ch29-32 . SHD31		SSA.I -		S060	021SS-38	31	060-3	CS-S060-3	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
053	SPIRE SSW Ch29-32 . 32+		SSA.I -		S060	021SS-38	32	060-4		HSSVMCB2	27	312200 J005	053	1S	1S	
052	SPIRE SSW Ch29-32 . 32-		SSA.I -		S060	021SS-38	32	060-4		HSSVMCB2	27	312200 J005	052	1S	1S	
005	SPIRE SSW Ch29-32 . SHD32		SSA.I -		S060	021SS-38	32	060-4	CS-S060-4	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
009	SPIRE SSW Ch33-36 . 33+		SSA.I -		S062	021SS-38	33	062-1		HSSVMCB2	27	312200 J005	009	1S	1S	
017	SPIRE SSW Ch33-36 . 33-		SSA.I -		S062	021SS-38	33	062-1		HSSVMCB2	27	312200 J005	017	1S	1S	
005	SPIRE SSW Ch33-36 . SHD33		SSA.I -		S062	021SS-38	33	062-1	CS-S062-1	HSSVMCB2	27	312200 J005	005	1S	1S	
-																
018	SPIRE SSW Ch33-36 . 34+		SSA.I -		S062	021SS-38	34	062-2		HSSVMCB2	27	312200 J005	018	1S	1S	
028	SPIRE SSW Ch33-36 . 34-		SSA.I -		S062	021SS-38	34	062-2		HSSVMCB2	27	312200 J005	028	1S	1S	

Pin Allocation List (Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW Ch33-36 . SHD34		SSA.I -		S062	021SS-38	34	062-2		CS-S062-2	HSSVMCB2	27	312200 J005	005	1S	1S
-																
016	SPIRE SSW Ch33-36 . 35+		SSA.I -		S062	021SS-38	35	062-3			HSSVMCB2	27	312200 J005	016	1S	1S
027	SPIRE SSW Ch33-36 . 35-		SSA.I -		S062	021SS-38	35	062-3			HSSVMCB2	27	312200 J005	027	1S	1S
005	SPIRE SSW Ch33-36 . SHD35		SSA.I -		S062	021SS-38	35	062-3		CS-S062-3	HSSVMCB2	27	312200 J005	005	1S	1S
-																
040	SPIRE SSW Ch33-36 . 36+		SSA.I -		S062	021SS-38	36	062-4			HSSVMCB2	27	312200 J005	040	1S	1S
039	SPIRE SSW Ch33-36 . 36-		SSA.I -		S062	021SS-38	36	062-4			HSSVMCB2	27	312200 J005	039	1S	1S
005	SPIRE SSW Ch33-36 . SHD36		SSA.I -		S062	021SS-38	36	062-4		CS-S062-4	HSSVMCB2	27	312200 J005	005	1S	1S
-																
026	SPIRE SSW Ch37-40 . 37+		SSA.I -		S063	021SS-38	37	063-3			HSSVMCB2	27	312200 J005	026	1S	1S
037	SPIRE SSW Ch37-40 . 37-		SSA.I -		S063	021SS-38	37	063-3			HSSVMCB2	27	312200 J005	037	1S	1S
036	SPIRE SSW Ch37-40 . SHD37		SSA.I -		S063	021SS-38	37	063-3		CS-S063-3	HSSVMCB2	27	312200 J005	036	1S	1S
-																
038	SPIRE SSW Ch37-40 . 38+		SSA.I -		S063	021SS-38	38	063-4			HSSVMCB2	27	312200 J005	038	1S	1S
049	SPIRE SSW Ch37-40 . 38-		SSA.I -		S063	021SS-38	38	063-4			HSSVMCB2	27	312200 J005	049	1S	1S
036	SPIRE SSW Ch37-40 . SHD38		SSA.I -		S063	021SS-38	38	063-4		CS-S063-4	HSSVMCB2	27	312200 J005	036	1S	1S
-																
048	SPIRE SSW Ch41-42 . 39+		SSA.I -		S064	021SS-38	39	064-1			HSSVMCB2	27	312200 J005	048	1S	1S
060	SPIRE SSW Ch41-42 . 39-		SSA.I -		S064	021SS-38	39	064-1			HSSVMCB2	27	312200 J005	060	1S	1S
036	SPIRE SSW Ch41-42 . SHD39		SSA.I -		S064	021SS-38	39	064-1		CS-S064-1	HSSVMCB2	27	312200 J005	036	1S	1S
-																
059	SPIRE SSW Ch41-42 . 40+		SSA.I -		S064	021SS-38	40	064-2			HSSVMCB2	27	312200 J005	059	1S	1S
071	SPIRE SSW Ch41-42 . 40-		SSA.I -		S064	021SS-38	40	064-2			HSSVMCB2	27	312200 J005	071	1S	1S
036	SPIRE SSW Ch41-42 . SHD40		SSA.I -		S064	021SS-38	40	064-2		CS-S064-2	HSSVMCB2	27	312200 J005	036	1S	1S
-																
050	SPIRE SSW Ch41-42 . 41+		SSA.I -		S064	021SS-38	41	064-3			HSSVMCB2	27	312200 J005	050	1S	1S
061	SPIRE SSW Ch41-42 . 41-		SSA.I -		S064	021SS-38	41	064-3			HSSVMCB2	27	312200 J005	061	1S	1S
036	SPIRE SSW Ch41-42 . SHD41		SSA.I -		S064	021SS-38	41	064-3		CS-S064-3	HSSVMCB2	27	312200 J005	036	1S	1S
-																
062	SPIRE SSW Ch41-42 . 42+		SSA.I -		S064	021SS-38	42	064-4			HSSVMCB2	27	312200 J005	062	1S	1S
051	SPIRE SSW Ch41-42 . 42-		SSA.I -		S064	021SS-38	42	064-4			HSSVMCB2	27	312200 J005	051	1S	1S
036	SPIRE SSW Ch41-42 . SHD42		SSA.I -		S064	021SS-38	42	064-4		CS-S064-4	HSSVMCB2	27	312200 J005	036	1S	1S
-																

Pin Allocation List (Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE B02 GND Wire A3		SSX.-	-	S423	010B0-30					HSSVMCB2	27	312200 J005	036	1S	1S
-																
095	SPIRE SSW PTC Ch's . 1+		S3D.I	-	S053	021SS-38	43	053-1			HSSVMCB2	27	312200 J005	095	1S	1S
084	SPIRE SSW PTC Ch's . 1-		S3D.I	-	S053	021SS-38	43	053-1			HSSVMCB2	27	312200 J005	084	1S	1S
082	SPIRE SSW PTC Ch's . SHD43		S3D.I	-	S053	021SS-38	43	053-1	CS-S053-1		HSSVMCB2	27	312200 J005	082	1S	1S
-																
096	SPIRE SSW PTC Ch's . 2+		S3D.I	-	S053	021SS-38	44	053-2			HSSVMCB2	27	312200 J005	096	1S	1S
085	SPIRE SSW PTC Ch's . 2-		S3D.I	-	S053	021SS-38	44	053-2			HSSVMCB2	27	312200 J005	085	1S	1S
082	SPIRE SSW PTC Ch's . SHD44		S3D.I	-	S053	021SS-38	44	053-2	CS-S053-2		HSSVMCB2	27	312200 J005	082	1S	1S
-																
106	SPIRE SSW PTC Ch's . 3+		S3D.I	-	S053	021SS-38	45	053-3			HSSVMCB2	27	312200 J005	106	1S	1S
107	SPIRE SSW PTC Ch's . 3-		S3D.I	-	S053	021SS-38	44	053-3			HSSVMCB2	27	312200 J005	107	1S	1S
082	SPIRE SSW PTC Ch's . SHD45		S3D.I	-	S053	021SS-38	44	053-3	CS-S053-3		HSSVMCB2	27	312200 J005	082	1S	1S
-																
083	SPIRE SSW PTC (5MOhm) . Res+		S3D.I	-	S248	021SS-38	46				HSSVMCB2	27	312200 J005	083	1S	1S
072	SPIRE SSW PTC (5MOhm) . Res-		S3D.I	-	S248	021SS-38	46				HSSVMCB2	27	312200 J005	072	1S	1S
082	SPIRE SSW PTC (5MOhm) . SHD46		S3D.I	-	S248	021SS-38	46		CS-S248		HSSVMCB2	27	312200 J005	082	1S	1S
-																
001	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
002	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
003	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
007	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
008	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
014	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
024	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
035	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
093	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
104	to be con as part of FCR								Faraday Cage Ring (FCR)							1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)							1S

Pin Allocation List (Harness)

Connector: 211121 P031
Item: CVVUCR

Function / Bundle: UFThr. 289.2° SIH-XS-02

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulating required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulating required between IOS and OOS					1S
-															1S
-	7 pins are NC									The following Pins are NC :					
-	-									;004 ;063 ;064 ;065 ;073 ;074 ;075					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
090	SPIRE SSW Ch01-04 . 1+		SSA.I -		S051	021SS-38	1	051-1		CVVUCR	33	211121 P031	090	1S	1S	
079	SPIRE SSW Ch01-04 . 1-		SSA.I -		S051	021SS-38	1	051-1		CVVUCR	33	211121 P031	079	1S	1S	
047	SPIRE SSW Ch01-04 . SHD01		SSA.I -		S051	021SS-38	1	051-1	CS-S051-1	CVVUCR	33	211121 P031	047	1S	1S	
-																
102	SPIRE SSW Ch01-04 . 2+		SSA.I -		S051	021SS-38	2	051-2		CVVUCR	33	211121 P031	102	1S	1S	
101	SPIRE SSW Ch01-04 . 2-		SSA.I -		S051	021SS-38	2	051-2		CVVUCR	33	211121 P031	101	1S	1S	
047	SPIRE SSW Ch01-04 . SHD02		SSA.I -		S051	021SS-38	2	051-2	CS-S051-2	CVVUCR	33	211121 P031	047	1S	1S	
-																
092	SPIRE SSW Ch01-04 . 3+		SSA.I -		S051	021SS-38	3	051-3		CVVUCR	33	211121 P031	092	1S	1S	
091	SPIRE SSW Ch01-04 . 3-		SSA.I -		S051	021SS-38	3	051-3		CVVUCR	33	211121 P031	091	1S	1S	
047	SPIRE SSW Ch01-04 . SHD03		SSA.I -		S051	021SS-38	3	051-3	CS-S051-3	CVVUCR	33	211121 P031	047	1S	1S	
-																
103	SPIRE SSW Ch01-04 . 4+		SSA.I -		S051	021SS-38	4	051-4		CVVUCR	33	211121 P031	103	1S	1S	
113	SPIRE SSW Ch01-04 . 4-		SSA.I -		S051	021SS-38	4	051-4		CVVUCR	33	211121 P031	113	1S	1S	
047	SPIRE SSW Ch01-04 . SHD04		SSA.I -		S051	021SS-38	4	051-4	CS-S051-4	CVVUCR	33	211121 P031	047	1S	1S	
-																
058	SPIRE SSW Ch05-08 . 5+		SSA.I -		S052	021SS-38	5	052-1		CVVUCR	33	211121 P031	058	1S	1S	
046	SPIRE SSW Ch05-08 . 5-		SSA.I -		S052	021SS-38	5	052-1		CVVUCR	33	211121 P031	046	1S	1S	
047	SPIRE SSW Ch05-08 . SHD05		SSA.I -		S052	021SS-38	5	052-1	CS-S052-1	CVVUCR	33	211121 P031	047	1S	1S	
-																
068	SPIRE SSW Ch05-08 . 6+		SSA.I -		S052	021SS-38	6	052-2		CVVUCR	33	211121 P031	068	1S	1S	
057	SPIRE SSW Ch05-08 . 6-		SSA.I -		S052	021SS-38	6	052-2		CVVUCR	33	211121 P031	057	1S	1S	
047	SPIRE SSW Ch05-08 . SHD06		SSA.I -		S052	021SS-38	6	052-2	CS-S052-2	CVVUCR	33	211121 P031	047	1S	1S	
-																
069	SPIRE SSW Ch05-08 . 7+		SSA.I -		S052	021SS-38	7	052-3		CVVUCR	33	211121 P031	069	1S	1S	
080	SPIRE SSW Ch05-08 . 7-		SSA.I -		S052	021SS-38	7	052-3		CVVUCR	33	211121 P031	080	1S	1S	
047	SPIRE SSW Ch05-08 . SHD07		SSA.I -		S052	021SS-38	7	052-3	CS-S052-3	CVVUCR	33	211121 P031	047	1S	1S	
-																
070	SPIRE SSW Ch05-08 . 8+		SSA.I -		S052	021SS-38	8	052-4		CVVUCR	33	211121 P031	070	1S	1S	
081	SPIRE SSW Ch05-08 . 8-		SSA.I -		S052	021SS-38	8	052-4		CVVUCR	33	211121 P031	081	1S	1S	
047	SPIRE SSW Ch05-08 . SHD08		SSA.I -		S052	021SS-38	8	052-4	CS-S052-4	CVVUCR	33	211121 P031	047	1S	1S	
-																
023	SPIRE SSW Ch09-12 . 9+		SSA.I -		S054	021SS-38	9	054-1		CVVUCR	33	211121 P031	023	1S	1S	
034	SPIRE SSW Ch09-12 . 9-		SSA.I -		S054	021SS-38	9	054-1		CVVUCR	33	211121 P031	034	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
047	SPIRE SSW Ch09-12 . SHD09		SSA.I -		S054	021SS-38	9	054-1	CS-S054-1	CVVUCR	33	211121 P031	047	1S	1S	
-																
033	SPIRE SSW Ch09-12 . 10+		SSA.I -		S054	021SS-38	10	054-2		CVVUCR	33	211121 P031	033	1S	1S	
045	SPIRE SSW Ch09-12 . 10-		SSA.I -		S054	021SS-38	10	054-2		CVVUCR	33	211121 P031	045	1S	1S	
047	SPIRE SSW Ch09-12 . SHD10		SSA.I -		S054	021SS-38	10	054-2	CS-S054-2	CVVUCR	33	211121 P031	047	1S	1S	
-																
044	SPIRE SSW Ch09-12 . 11+		SSA.I -		S054	021SS-38	11	054-3		CVVUCR	33	211121 P031	044	1S	1S	
056	SPIRE SSW Ch09-12 . 11-		SSA.I -		S054	021SS-38	11	054-3		CVVUCR	33	211121 P031	056	1S	1S	
047	SPIRE SSW Ch09-12 . SHD11		SSA.I -		S054	021SS-38	11	054-3	CS-S054-3	CVVUCR	33	211121 P031	047	1S	1S	
-																
022	SPIRE SSW Ch09-12 . 12+		SSA.I -		S054	021SS-38	12	054-4		CVVUCR	33	211121 P031	022	1S	1S	
032	SPIRE SSW Ch09-12 . 12-		SSA.I -		S054	021SS-38	12	054-4		CVVUCR	33	211121 P031	032	1S	1S	
047	SPIRE SSW Ch09-12 . SHD12		SSA.I -		S054	021SS-38	12	054-4	CS-S054-4	CVVUCR	33	211121 P031	047	1S	1S	
-																
086	SPIRE SSW Ch13-16 . 13+		SSA.I -		S055	021SS-38	13	055-1		CVVUCR	33	211121 P031	086	1S	1S	
087	SPIRE SSW Ch13-16 . 13-		SSA.I -		S055	021SS-38	13	055-1		CVVUCR	33	211121 P031	087	1S	1S	
128	SPIRE SSW Ch13-16 . SHD13		SSA.I -		S055	021SS-38	13	055-1	CS-S055-1	CVVUCR	33	211121 P031	128	1S	1S	
-																
097	SPIRE SSW Ch13-16 . 14+		SSA.I -		S055	021SS-38	14	055-2		CVVUCR	33	211121 P031	097	1S	1S	
098	SPIRE SSW Ch13-16 . 14-		SSA.I -		S055	021SS-38	14	055-2		CVVUCR	33	211121 P031	098	1S	1S	
128	SPIRE SSW Ch13-16 . SHD14		SSA.I -		S055	021SS-38	14	055-2	CS-S055-2	CVVUCR	33	211121 P031	128	1S	1S	
-																
108	SPIRE SSW Ch13-16 . 15+		SSA.I -		S055	021SS-38	15	055-3		CVVUCR	33	211121 P031	108	1S	1S	
109	SPIRE SSW Ch13-16 . 15-		SSA.I -		S055	021SS-38	15	055-3		CVVUCR	33	211121 P031	109	1S	1S	
128	SPIRE SSW Ch13-16 . SHD15		SSA.I -		S055	021SS-38	15	055-3	CS-S055-3	CVVUCR	33	211121 P031	128	1S	1S	
-																
116	SPIRE SSW Ch13-16 . 16+		SSA.I -		S055	021SS-38	16	055-4		CVVUCR	33	211121 P031	116	1S	1S	
117	SPIRE SSW Ch13-16 . 16-		SSA.I -		S055	021SS-38	16	055-4		CVVUCR	33	211121 P031	117	1S	1S	
128	SPIRE SSW Ch13-16 . SHD16		SSA.I -		S055	021SS-38	16	055-4	CS-S055-4	CVVUCR	33	211121 P031	128	1S	1S	
-																
055	SPIRE SSW Ch17-20 . 17+		SSA.I -		S056	021SS-38	17	056-1		CVVUCR	33	211121 P031	055	1S	1S	
066	SPIRE SSW Ch17-20 . 17-		SSA.I -		S056	021SS-38	17	056-1		CVVUCR	33	211121 P031	066	1S	1S	
128	SPIRE SSW Ch17-20 . SHD17		SSA.I -		S056	021SS-38	17	056-1	CS-S056-1	CVVUCR	33	211121 P031	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
067	SPIRE SSW Ch17-20 . 18+	SSA.I	-		S056	021SS-38	18	056-2		CVVUCR	33	211121 P031	067	1S	1S	
078	SPIRE SSW Ch17-20 . 18-	SSA.I	-		S056	021SS-38	18	056-2		CVVUCR	33	211121 P031	078	1S	1S	
128	SPIRE SSW Ch17-20 . SHD18	SSA.I	-		S056	021SS-38	18	056-2	CS-S056-2	CVVUCR	33	211121 P031	128	1S	1S	
-																
076	SPIRE SSW Ch17-20 . 19+	SSA.I	-		S056	021SS-38	19	056-3		CVVUCR	33	211121 P031	076	1S	1S	
077	SPIRE SSW Ch17-20 . 19-	SSA.I	-		S056	021SS-38	19	056-3		CVVUCR	33	211121 P031	077	1S	1S	
128	SPIRE SSW Ch17-20 . SHD19	SSA.I	-		S056	021SS-38	19	056-3	CS-S056-3	CVVUCR	33	211121 P031	128	1S	1S	
-																
088	SPIRE SSW Ch17-20 . 20+	SSA.I	-		S056	021SS-38	20	056-4		CVVUCR	33	211121 P031	088	1S	1S	
089	SPIRE SSW Ch17-20 . 20-	SSA.I	-		S056	021SS-38	20	056-4		CVVUCR	33	211121 P031	089	1S	1S	
128	SPIRE SSW Ch17-20 . SHD20	SSA.I	-		S056	021SS-38	20	056-4	CS-S056-4	CVVUCR	33	211121 P031	128	1S	1S	
-																
099	SPIRE SSW Ch21-24 . 21+	SSA.I	-		S058	021SS-38	21	058-1		CVVUCR	33	211121 P031	099	1S	1S	
100	SPIRE SSW Ch21-24 . 21-	SSA.I	-		S058	021SS-38	21	058-1		CVVUCR	33	211121 P031	100	1S	1S	
128	SPIRE SSW Ch21-24 . SHD21	SSA.I	-		S058	021SS-38	21	058-1	CS-S058-1	CVVUCR	33	211121 P031	128	1S	1S	
-																
110	SPIRE SSW Ch21-24 . 22+	SSA.I	-		S058	021SS-38	22	058-2		CVVUCR	33	211121 P031	110	1S	1S	
111	SPIRE SSW Ch21-24 . 22-	SSA.I	-		S058	021SS-38	22	058-2		CVVUCR	33	211121 P031	111	1S	1S	
128	SPIRE SSW Ch21-24 . SHD22	SSA.I	-		S058	021SS-38	22	058-2	CS-S058-2	CVVUCR	33	211121 P031	128	1S	1S	
-																
118	SPIRE SSW Ch21-24 . 23+	SSA.I	-		S058	021SS-38	23	058-3		CVVUCR	33	211121 P031	118	1S	1S	
119	SPIRE SSW Ch21-24 . 23-	SSA.I	-		S058	021SS-38	23	058-3		CVVUCR	33	211121 P031	119	1S	1S	
128	SPIRE SSW Ch21-24 . SHD23	SSA.I	-		S058	021SS-38	23	058-3	CS-S058-3	CVVUCR	33	211121 P031	128	1S	1S	
-																
112	SPIRE SSW Ch21-24 . 24+	SSA.I	-		S058	021SS-38	24	058-4		CVVUCR	33	211121 P031	112	1S	1S	
120	SPIRE SSW Ch21-24 . 24-	SSA.I	-		S058	021SS-38	24	058-4		CVVUCR	33	211121 P031	120	1S	1S	
128	SPIRE SSW Ch21-24 . SHD24	SSA.I	-		S058	021SS-38	24	058-4	CS-S058-4	CVVUCR	33	211121 P031	128	1S	1S	
-																
128	SPIRE B02 GND Wire A2	SSX.-	-		S422	010B0-30				CVVUCR	33	211121 P031	128	1S	1S	
-																
013	SPIRE SSW Ch25-28 . 25+	SSA.I	-		S059	021SS-38	25	059-1		CVVUCR	33	211121 P031	013	1S	1S	
012	SPIRE SSW Ch25-28 . 25-	SSA.I	-		S059	021SS-38	25	059-1		CVVUCR	33	211121 P031	012	1S	1S	
005	SPIRE SSW Ch25-28 . SHD25	SSA.I	-		S059	021SS-38	25	059-1	CS-S059-1	CVVUCR	33	211121 P031	005	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
021	SPIRE SSW Ch25-28 . 26+		SSA.I -		S059	021SS-38	26	059-2		CVVUCR	33	211121 P031	021	1S	1S	
020	SPIRE SSW Ch25-28 . 26-		SSA.I -		S059	021SS-38	26	059-2		CVVUCR	33	211121 P031	020	1S	1S	
005	SPIRE SSW Ch25-28 . SHD26		SSA.I -		S059	021SS-38	26	059-2	CS-S059-2	CVVUCR	33	211121 P031	005	1S	1S	
-																
031	SPIRE SSW Ch25-28 . 27+		SSA.I -		S059	021SS-38	27	059-3		CVVUCR	33	211121 P031	031	1S	1S	
043	SPIRE SSW Ch25-28 . 27-		SSA.I -		S059	021SS-38	27	059-3		CVVUCR	33	211121 P031	043	1S	1S	
005	SPIRE SSW Ch25-28 . SHD27		SSA.I -		S059	021SS-38	27	059-3	CS-S059-3	CVVUCR	33	211121 P031	005	1S	1S	
-																
042	SPIRE SSW Ch25-28 . 28+		SSA.I -		S059	021SS-38	28	059-4		CVVUCR	33	211121 P031	042	1S	1S	
054	SPIRE SSW Ch25-28 . 28-		SSA.I -		S059	021SS-38	28	059-4		CVVUCR	33	211121 P031	054	1S	1S	
005	SPIRE SSW Ch25-28 . SHD28		SSA.I -		S059	021SS-38	28	059-4	CS-S059-4	CVVUCR	33	211121 P031	005	1S	1S	
-																
010	SPIRE SSW Ch29-32 . 29+		SSA.I -		S060	021SS-38	29	060-1		CVVUCR	33	211121 P031	010	1S	1S	
011	SPIRE SSW Ch29-32 . 29-		SSA.I -		S060	021SS-38	29	060-1		CVVUCR	33	211121 P031	011	1S	1S	
005	SPIRE SSW Ch29-32 . SHD29		SSA.I -		S060	021SS-38	29	060-1	CS-S060-1	CVVUCR	33	211121 P031	005	1S	1S	
-																
019	SPIRE SSW Ch29-32 . 30+		SSA.I -		S060	021SS-38	30	060-2		CVVUCR	33	211121 P031	019	1S	1S	
029	SPIRE SSW Ch29-32 . 30-		SSA.I -		S060	021SS-38	30	060-2		CVVUCR	33	211121 P031	029	1S	1S	
005	SPIRE SSW Ch29-32 . SHD30		SSA.I -		S060	021SS-38	30	060-2	CS-S060-2	CVVUCR	33	211121 P031	005	1S	1S	
-																
041	SPIRE SSW Ch29-32 . 31+		SSA.I -		S060	021SS-38	31	060-3		CVVUCR	33	211121 P031	041	1S	1S	
030	SPIRE SSW Ch29-32 . 31-		SSA.I -		S060	021SS-38	31	060-3		CVVUCR	33	211121 P031	030	1S	1S	
005	SPIRE SSW Ch29-32 . SHD31		SSA.I -		S060	021SS-38	31	060-3	CS-S060-3	CVVUCR	33	211121 P031	005	1S	1S	
-																
053	SPIRE SSW Ch29-32 . 32+		SSA.I -		S060	021SS-38	32	060-4		CVVUCR	33	211121 P031	053	1S	1S	
052	SPIRE SSW Ch29-32 . 32-		SSA.I -		S060	021SS-38	32	060-4		CVVUCR	33	211121 P031	052	1S	1S	
005	SPIRE SSW Ch29-32 . SHD32		SSA.I -		S060	021SS-38	32	060-4	CS-S060-4	CVVUCR	33	211121 P031	005	1S	1S	
-																
009	SPIRE SSW Ch33-36 . 33+		SSA.I -		S062	021SS-38	33	062-1		CVVUCR	33	211121 P031	009	1S	1S	
017	SPIRE SSW Ch33-36 . 33-		SSA.I -		S062	021SS-38	33	062-1		CVVUCR	33	211121 P031	017	1S	1S	
005	SPIRE SSW Ch33-36 . SHD33		SSA.I -		S062	021SS-38	33	062-1	CS-S062-1	CVVUCR	33	211121 P031	005	1S	1S	
-																
018	SPIRE SSW Ch33-36 . 34+		SSA.I -		S062	021SS-38	34	062-2		CVVUCR	33	211121 P031	018	1S	1S	
028	SPIRE SSW Ch33-36 . 34-		SSA.I -		S062	021SS-38	34	062-2		CVVUCR	33	211121 P031	028	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW Ch33-36 . SHD34		SSA.I -		S062	021SS-38	34	062-2	CS-S062-2	CVVUCR	33	211121 P031	005	1S	1S	
-																
016	SPIRE SSW Ch33-36 . 35+		SSA.I -		S062	021SS-38	35	062-3		CVVUCR	33	211121 P031	016	1S	1S	
027	SPIRE SSW Ch33-36 . 35-		SSA.I -		S062	021SS-38	35	062-3		CVVUCR	33	211121 P031	027	1S	1S	
005	SPIRE SSW Ch33-36 . SHD35		SSA.I -		S062	021SS-38	35	062-3	CS-S062-3	CVVUCR	33	211121 P031	005	1S	1S	
-																
040	SPIRE SSW Ch33-36 . 36+		SSA.I -		S062	021SS-38	36	062-4		CVVUCR	33	211121 P031	040	1S	1S	
039	SPIRE SSW Ch33-36 . 36-		SSA.I -		S062	021SS-38	36	062-4		CVVUCR	33	211121 P031	039	1S	1S	
005	SPIRE SSW Ch33-36 . SHD36		SSA.I -		S062	021SS-38	36	062-4	CS-S062-4	CVVUCR	33	211121 P031	005	1S	1S	
-																
026	SPIRE SSW Ch37-40 . 37+		SSA.I -		S063	021SS-38	37	063-3		CVVUCR	33	211121 P031	026	1S	1S	
037	SPIRE SSW Ch37-40 . 37-		SSA.I -		S063	021SS-38	37	063-3		CVVUCR	33	211121 P031	037	1S	1S	
036	SPIRE SSW Ch37-40 . SHD37		SSA.I -		S063	021SS-38	37	063-3	CS-S063-3	CVVUCR	33	211121 P031	036	1S	1S	
-																
038	SPIRE SSW Ch37-40 . 38+		SSA.I -		S063	021SS-38	38	063-4		CVVUCR	33	211121 P031	038	1S	1S	
049	SPIRE SSW Ch37-40 . 38-		SSA.I -		S063	021SS-38	38	063-4		CVVUCR	33	211121 P031	049	1S	1S	
036	SPIRE SSW Ch37-40 . SHD38		SSA.I -		S063	021SS-38	38	063-4	CS-S063-4	CVVUCR	33	211121 P031	036	1S	1S	
-																
048	SPIRE SSW Ch41-42 . 39+		SSA.I -		S064	021SS-38	39	064-1		CVVUCR	33	211121 P031	048	1S	1S	
060	SPIRE SSW Ch41-42 . 39-		SSA.I -		S064	021SS-38	39	064-1		CVVUCR	33	211121 P031	060	1S	1S	
036	SPIRE SSW Ch41-42 . SHD39		SSA.I -		S064	021SS-38	39	064-1	CS-S064-1	CVVUCR	33	211121 P031	036	1S	1S	
-																
059	SPIRE SSW Ch41-42 . 40+		SSA.I -		S064	021SS-38	40	064-2		CVVUCR	33	211121 P031	059	1S	1S	
071	SPIRE SSW Ch41-42 . 40-		SSA.I -		S064	021SS-38	40	064-2		CVVUCR	33	211121 P031	071	1S	1S	
036	SPIRE SSW Ch41-42 . SHD40		SSA.I -		S064	021SS-38	40	064-2	CSS-064-2	CVVUCR	33	211121 P031	036	1S	1S	
-																
050	SPIRE SSW Ch41-42 . 41+		SSA.I -		S064	021SS-38	41	064-3		CVVUCR	33	211121 P031	050	1S	1S	
061	SPIRE SSW Ch41-42 . 41-		SSA.I -		S064	021SS-38	41	064-3		CVVUCR	33	211121 P031	061	1S	1S	
036	SPIRE SSW Ch41-42 . SHD41		SSA.I -		S064	021SS-38	41	064-3	CS-S064-3	CVVUCR	33	211121 P031	036	1S	1S	
-																
062	SPIRE SSW Ch41-42 . 42+		SSA.I -		S064	021SS-38	42	064-4		CVVUCR	33	211121 P031	062	1S	1S	
051	SPIRE SSW Ch41-42 . 42-		SSA.I -		S064	021SS-38	42	064-4		CVVUCR	33	211121 P031	051	1S	1S	
036	SPIRE SSW Ch41-42 . SHD42		SSA.I -		S064	021SS-38	42	064-4	CS-S064-4	CVVUCR	33	211121 P031	036	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE B02 GND Wire A3		SSX.-	-	S423	010B0-30					CVVUCR	33	211121 P031	036	1S	1S
-																1S
095	SPIRE SSW PTC Ch's . 1+		S3D.I	-	S053	021SS-38	43	053-1			CVVUCR	33	211121 P031	095	1S	1S
084	SPIRE SSW PTC Ch's . 1-		S3D.I	-	S053	021SS-38	43	053-1			CVVUCR	33	211121 P031	084	1S	1S
082	SPIRE SSW PTC Ch's . SHD43		S3D.I	-	S053	021SS-38	43	053-1	CS-S053-1		CVVUCR	33	211121 P031	082	1S	1S
-																
096	SPIRE SSW PTC Ch's . 2+		S3D.I	-	S053	021SS-38	44	053-2			CVVUCR	33	211121 P031	096	1S	1S
085	SPIRE SSW PTC Ch's . 2-		S3D.I	-	S053	021SS-38	44	053-2			CVVUCR	33	211121 P031	085	1S	1S
082	SPIRE SSW PTC Ch's . SHD44		S3D.I	-	S053	021SS-38	44	053-2	CS-S053-2		CVVUCR	33	211121 P031	082	1S	1S
-																
106	SPIRE SSW PTC Ch's . 3+		S3D.I	-	S053	021SS-38	45	053-3			CVVUCR	33	211121 P031	106	1S	1S
107	SPIRE SSW PTC Ch's . 3-		S3D.I	-	S053	021SS-38	45	053-3			CVVUCR	33	211121 P031	107	1S	1S
082	SPIRE SSW PTC Ch's . SHD45		S3D.I	-	S053	021SS-38	45	053-3	CS-S053-3		CVVUCR	33	211121 P031	082	1S	1S
-																
083	SPIRE SSW PTC (5MOhm) . Res+		S3D.I	-	S248	021SS-38	46				CVVUCR	33	211121 P031	083	1S	1S
072	SPIRE SSW PTC (5MOhm) . Res-		S3D.I	-	S248	021SS-38	46				CVVUCR	33	211121 P031	072	1S	1S
082	SPIRE SSW PTC (5MOhm) . SHD46		S3D.I	-	S248	021SS-38	46		CS-S248		CVVUCR	33	211121 P031	082	1S	1S
-																
001	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
002	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
003	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
006	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
007	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
008	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
014	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
015	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
024	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
025	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
035	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
093	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
094	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
104	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S
105	to be interconnected as part of FCR								Faraday Cage Ring (FCR)							1S

Pin Allocation List (Harness)

Connector: 312200 J005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
114	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be interconnected as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	7 pins are NC									The following Pins are NC :					
-	-									;004 ;063 ;064 ;065 ;073 ;074 ;075					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW_JFETV1_A . A+	SPL.I	-		S176	021BS-38	1				HSSVMCB1	27	312100 J004	026	
037	SPIRE PSW_JFETV1_A . A-	SPL.I	-		S176	021BS-38	1				HSSVMCB1	27	312100 J004	037	
036	SPIRE PSW_JFETV1_A . SHD01	SPL.I	-		S176	021BS-38	1		CS-S176		HSSVMCB1	27	312100 J004	036	1S 1S
-															
038	SPIRE PSW_JFETV2_A . A+	SPL.I	-		S177	021BS-38	2				HSSVMCB1	27	312100 J004	038	
049	SPIRE PSW_JFETV2_A . A-	SPL.I	-		S177	021BS-38	2				HSSVMCB1	27	312100 J004	049	
036	SPIRE PSW_JFETV2_A . SHD02	SPL.I	-		S177	021BS-38	2		CS-S177		HSSVMCB1	27	312100 J004	036	1S 1S
-															
048	SPIRE PSW_JFETV3_A . A+	SPL.I	-		S178	021BS-38	3				HSSVMCB1	27	312100 J004	048	
060	SPIRE PSW_JFETV3_A . A-	SPL.I	-		S178	021BS-38	3				HSSVMCB1	27	312100 J004	060	
036	SPIRE PSW_JFETV3_A . SHD03	SPL.I	-		S178	021BS-38	3		CS-S178		HSSVMCB1	27	312100 J004	036	1S 1S
-															
059	SPIRE PSW_JFETV4_A . A+	SPL.I	-		S179	021BS-38	4				HSSVMCB1	27	312100 J004	059	
071	SPIRE PSW_JFETV4_A . A-	SPL.I	-		S179	021BS-38	4				HSSVMCB1	27	312100 J004	071	
036	SPIRE PSW_JFETV4_A . SHD04	SPL.I	-		S179	021BS-38	4		CS-S179		HSSVMCB1	27	312100 J004	036	1S 1S
-															
050	SPIRE PSW_JFETV5_A . A+	SPL.I	-		S180	021BS-38	5				HSSVMCB1	27	312100 J004	050	
061	SPIRE PSW_JFETV5_A . A-	SPL.I	-		S180	021BS-38	5				HSSVMCB1	27	312100 J004	061	
036	SPIRE PSW_JFETV5_A . SHD05	SPL.I	-		S180	021BS-38	5		CS-S180		HSSVMCB1	27	312100 J004	036	1S 1S
-															
062	SPIRE PSW_JFETV6_A . A+	SPL.I	-		S181	021BS-38	6				HSSVMCB1	27	312100 J004	062	
051	SPIRE PSW_JFETV6_A . A-	SPL.I	-		S181	021BS-38	6				HSSVMCB1	27	312100 J004	051	
036	SPIRE PSW_JFETV6_A . SHD06	SPL.I	-		S181	021BS-38	6		CS-S181		HSSVMCB1	27	312100 J004	036	1S 1S
-															
063	SPIRE PSW_Bias1/2_A . A+	SPK.I	-		S183	021BS-38	7				HSSVMCB1	27	312100 J004	063	
075	SPIRE PSW_Bias1/2_A . A-	SPK.I	-		S183	021BS-38	7				HSSVMCB1	27	312100 J004	075	
036	SPIRE PSW_Bias1/2_A . SHD07	SPK.I	-		S183	021BS-38	7		CS-S183		HSSVMCB1	27	312100 J004	036	1S 1S
-															
074	SPIRE PSW_Bias3/4_A . A+	SPK.I	-		S184	021BS-38	8				HSSVMCB1	27	312100 J004	074	
073	SPIRE PSW_Bias3/4_A . A-	SPK.I	-		S184	021BS-38	8				HSSVMCB1	27	312100 J004	073	
036	SPIRE PSW_Bias3/4_A . SHD08	SPK.I	-		S184	021BS-38	8		CS-S184		HSSVMCB1	27	312100 J004	036	1S 1S
-															
083	SPIRE PSW_Bias5/6_A . A+	SPK.I	-		S185	021BS-38	9				HSSVMCB1	27	312100 J004	083	
072	SPIRE PSW_Bias5/6_A . A-	SPK.I	-		S185	021BS-38	9				HSSVMCB1	27	312100 J004	072	

Pin Allocation List

(Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.I -		S185	021BS-38	9			CS-S185	HSSVMCB1	27	312100 J004	036	1S	1S
-																
036	SPIRE PSW_JFETV GND A1		SPX.- -		S431	010B0-30					HSSVMCB1	27	312100 J004	036	1S	1S
-																1S
095	SPIRE PSW_Heater_A1 . A1+		SPM.- -		S186	021SS-38	10				HSSVMCB1	27	312100 J004	095		
084	SPIRE PSW_Heater_A1 . A1-		SPM.- -		S186	021SS-38	10				HSSVMCB1	27	312100 J004	084		
105	SPIRE PSW_Heater_A1 . SHD10		SPM.- -		S186	021SS-38	10			CS-S186	HSSVMCB1	27	312100 J004	105	1S	1S
-																
096	SPIRE PSW_Heater_A2 . A2+		SPM.- -		S187	021SS-38	11				HSSVMCB1	27	312100 J004	096		
085	SPIRE PSW_Heater_A2 . A2-		SPM.- -		S187	021SS-38	11				HSSVMCB1	27	312100 J004	085		
105	SPIRE PSW_Heater_A2 . SHD11		SPM.- -		S187	021SS-38	11			CS-S187	HSSVMCB1	27	312100 J004	105	1S	1S
-																
106	SPIRE PSW_Heater_A3 . A3+		SPM.- -		S188	021SS-38	12				HSSVMCB1	27	312100 J004	106		
107	SPIRE PSW_Heater_A3 . A3-		SPM.- -		S188	021SS-38	12				HSSVMCB1	27	312100 J004	107		
105	SPIRE PSW_Heater_A3 . SHD12		SPM.- -		S188	021SS-38	12			CS-S188	HSSVMCB1	27	312100 J004	105	1S	1S
-																
042	SPIRE PSW_JFETV1_B . B+		SPL.I -		S205	021BS-38	13				HSSVMCB1	27	312100 J004	042	1S	1S
054	SPIRE PSW_JFETV1_B . B-		SPL.I -		S205	021BS-38	13				HSSVMCB1	27	312100 J004	054	1S	1S
001	SPIRE PSW_JFETV1_B . SHD13		SPL.I -		S205	021BS-38	13			CS-S205	HSSVMCB1	27	312100 J004	001	1S	1S
-																
053	SPIRE PSW_JFETV2_B . B+		SPL.I -		S206	021BS-38	14				HSSVMCB1	27	312100 J004	053	1S	1S
052	SPIRE PSW_JFETV2_B . B-		SPL.I -		S206	021BS-38	14				HSSVMCB1	27	312100 J004	052	1S	1S
001	SPIRE PSW_JFETV2_B . SHD14		SPL.I -		S206	021BS-38	14			CS-S206	HSSVMCB1	27	312100 J004	001	1S	1S
-																
041	SPIRE PSW_JFETV3_B . B+		SPL.I -		S207	021BS-38	15				HSSVMCB1	27	312100 J004	041	1S	1S
030	SPIRE PSW_JFETV3_B . B-		SPL.I -		S207	021BS-38	15				HSSVMCB1	27	312100 J004	030	1S	1S
001	SPIRE PSW_JFETV3_B . SHD15		SPL.I -		S207	021BS-38	15			CS-S207	HSSVMCB1	27	312100 J004	001	1S	1S
-																
010	SPIRE PSW_JFETV4_B . B+		SPL.I -		S208	021BS-38	16				HSSVMCB1	27	312100 J004	010	1S	1S
011	SPIRE PSW_JFETV4_B . B-		SPL.I -		S208	021BS-38	16				HSSVMCB1	27	312100 J004	011	1S	1S
001	SPIRE PSW_JFETV4_B . SHD16		SPL.I -		S208	021BS-38	16			CS-S208	HSSVMCB1	27	312100 J004	001	1S	1S
-																
019	SPIRE PSW_JFETV5_B . B+		SPL.I -		S209	021BS-38	17				HSSVMCB1	27	312100 J004	019	1S	1S
029	SPIRE PSW_JFETV5_B . B-		SPL.I -		S209	021BS-38	17				HSSVMCB1	27	312100 J004	029	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW_JFETV5_B . SHD17		SPL.I	-	S209	021BS-38	17			CS-S209	HSSVMCB1	27	312100 J004	001	1S	1S
-																
016	SPIRE PSW_JFETV6_B . B+		SPL.I	-	S210	021BS-38	18				HSSVMCB1	27	312100 J004	016	1S	1S
027	SPIRE PSW_JFETV6_B . B-		SPL.I	-	S210	021BS-38	18				HSSVMCB1	27	312100 J004	027	1S	1S
001	SPIRE PSW_JFETV6_B . SHD18		SPL.I	-	S210	021BS-38	18			CS-S210	HSSVMCB1	27	312100 J004	001	1S	1S
-																
040	SPIRE PSW_Bias1/2_B . B+		SPK.I	-	S212	021BS-38	19				HSSVMCB1	27	312100 J004	040	1S	1S
039	SPIRE PSW_Bias1/2_B . B-		SPK.I	-	S212	021BS-38	19				HSSVMCB1	27	312100 J004	039	1S	1S
001	SPIRE PSW_Bias1/2_B . SHD19		SPK.I	-	S212	021BS-38	19			CS-S212	HSSVMCB1	27	312100 J004	001	1S	1S
-																
018	SPIRE PSW_Bias3/4_B . B+		SPK.I	-	S213	021BS-38	20				HSSVMCB1	27	312100 J004	018	1S	1S
028	SPIRE PSW_Bias3/4_B . B-		SPK.I	-	S213	021BS-38	20				HSSVMCB1	27	312100 J004	028	1S	1S
001	SPIRE PSW_Bias3/4_B . SHD20		SPK.I	-	S213	021BS-38	20			CS-S213	HSSVMCB1	27	312100 J004	001	1S	1S
-																
009	SPIRE PSW_Bias5/6_B . B+		SPK.I	-	S214	021BS-38	21				HSSVMCB1	27	312100 J004	009	1S	1S
017	SPIRE PSW_Bias5/6_B . B-		SPK.I	-	S214	021BS-38	21				HSSVMCB1	27	312100 J004	017	1S	1S
001	SPIRE PSW_Bias5/6_B . SHD21		SPK.I	-	S214	021BS-38	21			CS-S214	HSSVMCB1	27	312100 J004	001	1S	1S
-																
001	SPIRE PSW_JFETV GND A3		SPX.-	-	S433	010B0-30					HSSVMCB1	27	312100 J004	001	1S	1S
-																
013	SPIRE PSW_Heater_B1 . B1+		SPM.-	-	S215	021SS-38	22				HSSVMCB1	27	312100 J004	013	1S	1S
012	SPIRE PSW_Heater_B1 . B1-		SPM.-	-	S215	021SS-38	22				HSSVMCB1	27	312100 J004	012	1S	1S
005	SPIRE PSW_Heater_B1 . SHD22		SPM.-	-	S215	021SS-38	22			CS-S215	HSSVMCB1	27	312100 J004	005	1S	1S
-																
021	SPIRE PSW_Heater_B2 . B2+		SPM.-	-	S216	021SS-38	23				HSSVMCB1	27	312100 J004	021	1S	1S
020	SPIRE PSW_Heater_B2 . B2-		SPM.-	-	S216	021SS-38	23				HSSVMCB1	27	312100 J004	020	1S	1S
005	SPIRE PSW_Heater_B2 . SHD23		SPM.-	-	S216	021SS-38	23			CS-S216	HSSVMCB1	27	312100 J004	005	1S	1S
-																
031	SPIRE PSW_Heater_B3 . B3+		SPM.-	-	S217	021SS-38	24				HSSVMCB1	27	312100 J004	031	1S	1S
043	SPIRE PSW_Heater_B3 . B3-		SPM.-	-	S217	021SS-38	24				HSSVMCB1	27	312100 J004	043	1S	1S
005	SPIRE PSW_Heater_B3 . SHD24		SPM.-	-	S217	021SS-38	24			CS-S217	HSSVMCB1	27	312100 J004	005	1S	1S
-																
086	SPIRE PMW_JFETV1_A . A+		SPH.I	-	S190	021BS-38	25				HSSVMCB1	27	312100 J004	086	1S	1S
087	SPIRE PMW_JFETV1_A . A-		SPH.I	-	S190	021BS-38	25				HSSVMCB1	27	312100 J004	087	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
064	SPIRE PMW_JFETV1_A . SHD25		SPH.I	-	S190	021BS-38	25			CS-S190	HSSVMCB1	27	312100 J004	064	1S	1S
-																
097	SPIRE PMW_JFETV2_A . A+		SPH.I	-	S191	021BS-38	26				HSSVMCB1	27	312100 J004	097	1S	1S
098	SPIRE PMW_JFETV2_A . A-		SPH.I	-	S191	021BS-38	26				HSSVMCB1	27	312100 J004	098	1S	1S
064	SPIRE PMW_JFETV2_A . SHD26		SPH.I	-	S191	021BS-38	26			CS-S191	HSSVMCB1	27	312100 J004	064	1S	1S
-																
108	SPIRE PMW_JFETV3_A . A+		SPH.I	-	S192	021BS-38	27				HSSVMCB1	27	312100 J004	108	1S	1S
109	SPIRE PMW_JFETV3_A . A-		SPH.I	-	S192	021BS-38	27				HSSVMCB1	27	312100 J004	109	1S	1S
064	SPIRE PMW_JFETV3_A . SHD27		SPH.I	-	S192	021BS-38	27			CS-S192	HSSVMCB1	27	312100 J004	064	1S	1S
-																
116	SPIRE PMW_JFETV4_A . A+		SPH.I	-	S193	021BS-38	28				HSSVMCB1	27	312100 J004	116	1S	1S
117	SPIRE PMW_JFETV4_A . A-		SPH.I	-	S193	021BS-38	28				HSSVMCB1	27	312100 J004	117	1S	1S
064	SPIRE PMW_JFETV4_A . SHD28		SPH.I	-	S193	021BS-38	28			CS-S193	HSSVMCB1	27	312100 J004	064	1S	1S
-																
076	SPIRE PMW_Bias1/2_A . A+		SPG.I	-	S194	021BS-38	29				HSSVMCB1	27	312100 J004	076	1S	1S
077	SPIRE PMW_Bias1/2_A . A-		SPG.I	-	S194	021BS-38	29				HSSVMCB1	27	312100 J004	077	1S	1S
064	SPIRE PMW_Bias1/2_A . SHD29		SPG.I	-	S194	021BS-38	29			CS-S194	HSSVMCB1	27	312100 J004	064	1S	1S
-																
088	SPIRE PMW_Bias3/4_A . A+		SPG.I	-	S195	021BS-38	30				HSSVMCB1	27	312100 J004	088	1S	1S
089	SPIRE PMW_Bias3/4_A . A-		SPG.I	-	S195	021BS-38	30				HSSVMCB1	27	312100 J004	089	1S	1S
064	SPIRE PMW_Bias3/4_A . SHD30		SPG.I	-	S195	021BS-38	30			CS-S195	HSSVMCB1	27	312100 J004	064	1S	1S
-																
064	SPIRE PMW_GND A2		SPX.-	-	S435	010B0-30					HSSVMCB1	27	312100 J004	064	1S	1S
-																
103	SPIRE PMW_Heater_A1 . A1+		SPJ.-	-	S197	021SS-38	31				HSSVMCB1	27	312100 J004	103	1S	1S
113	SPIRE PMW_Heater_A1 . A1-		SPJ.-	-	S197	021SS-38	31				HSSVMCB1	27	312100 J004	113	1S	1S
114	SPIRE PMW_Heater_A1 . SHD31		SPJ.-	-	S197	021SS-38	31			CS-S197	HSSVMCB1	27	312100 J004	114	1S	1S
-																
102	SPIRE PMW_Heater_A2 . A2+		SPJ.-	-	S198	021SS-38	32				HSSVMCB1	27	312100 J004	102	1S	1S
101	SPIRE PMW_Heater_A2 . A2-		SPJ.-	-	S198	021SS-38	32				HSSVMCB1	27	312100 J004	101	1S	1S
114	SPIRE PMW_Heater_A2 . SHD32		SPJ.-	-	S198	021SS-38	32			CS-S198	HSSVMCB1	27	312100 J004	114	1S	1S
-																
092	SPIRE PLW_Heater_A . A+		SPF.-	-	S199	021SS-38	33				HSSVMCB1	27	312100 J004	092	1S	1S
104	SPIRE PLW_Heater_A . A-		SPF.-	-	S199	021SS-38	33				HSSVMCB1	27	312100 J004	104	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 P026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-012P24-35SN (Plug)**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
114	SPIRE PLW_Heater_A . SHD33		SPF.-	-	S199	021SS-38	33			CS-S199	HSSVMCB1	27	312100 J004	114	1S	1S
-																
099	SPIRE PLW_JFETV1_A . A+		SPE.I	-	S200	021BS-38	34				HSSVMCB1	27	312100 J004	099	1S	1S
100	SPIRE PLW_JFETV1_A . A-		SPE.I	-	S200	021BS-38	34				HSSVMCB1	27	312100 J004	100	1S	1S
128	SPIRE PLW_JFETV1_A . SHD34		SPE.I	-	S200	021BS-38	34			CS-S200	HSSVMCB1	27	312100 J004	128	1S	1S
-																
110	SPIRE PLW_JFETV2_A . A+		SPE.I	-	S201	021BS-38	35				HSSVMCB1	27	312100 J004	110	1S	1S
111	SPIRE PLW_JFETV2_A . A-		SPE.I	-	S201	021BS-38	35				HSSVMCB1	27	312100 J004	111	1S	1S
128	SPIRE PLW_JFETV2_A . SHD35		SPE.I	-	S201	021BS-38	35			CS-S201	HSSVMCB1	27	312100 J004	128	1S	1S
-																
118	SPIRE PLW_Bias1_A . A+		SPD.I	-	S202	021BS-38	36				HSSVMCB1	27	312100 J004	118	1S	1S
119	SPIRE PLW_Bias1_A . A-		SPD.I	-	S202	021BS-38	36				HSSVMCB1	27	312100 J004	119	1S	1S
128	SPIRE PLW_Bias1_A . SHD36		SPD.I	-	S202	021BS-38	36			CS-S202	HSSVMCB1	27	312100 J004	128	1S	1S
-																
112	SPIRE PLW_Bias2_A . A+		SPD.I	-	S203	021BS-38	37				HSSVMCB1	27	312100 J004	112	1S	1S
120	SPIRE PLW_Bias2_A . A-		SPD.I	-	S203	021BS-38	37				HSSVMCB1	27	312100 J004	120	1S	1S
128	SPIRE PLW_Bias2_A . SHD37		SPD.I	-	S203	021BS-38	37			CS-S203	HSSVMCB1	27	312100 J004	128	1S	1S
-																
128	SPIRE PLW_GND C2		SPX.-	-	S437	010B0-30					HSSVMCB1	27	312100 J004	128	1S	1S
-																
007	SPIRE PMW_JFETV1_B . B+		SPH.I	-	S219	021BS-38	38				HSSVMCB1	27	312100 J004	007	1S	1S
014	SPIRE PMW_JFETV1_B . B-		SPH.I	-	S219	021BS-38	38				HSSVMCB1	27	312100 J004	014	1S	1S
006	SPIRE PMW_JFETV1_B . SHD38		SPH.I	-	S219	021BS-38	38			CS-S219	HSSVMCB1	27	312100 J004	006	1S	1S
-																
024	SPIRE PMW_JFETV2_B . B+		SPH.I	-	S220	021BS-38	39				HSSVMCB1	27	312100 J004	024	1S	1S
035	SPIRE PMW_JFETV2_B . B-		SPH.I	-	S220	021BS-38	39				HSSVMCB1	27	312100 J004	035	1S	1S
006	SPIRE PMW_JFETV2_B . SHD39		SPH.I	-	S220	021BS-38	39			CS-S220	HSSVMCB1	27	312100 J004	006	1S	1S
-																
023	SPIRE PMW_JFETV3_B . B+		SPH.I	-	S221	021BS-38	40				HSSVMCB1	27	312100 J004	023	1S	1S
034	SPIRE PMW_JFETV3_B . B-		SPH.I	-	S221	021BS-38	40				HSSVMCB1	27	312100 J004	034	1S	1S
006	SPIRE PMW_JFETV3_B . SHD40		SPH.I	-	S221	021BS-38	40			CS-S221	HSSVMCB1	27	312100 J004	006	1S	1S
-																
033	SPIRE PMW_JFETV4_B . B+		SPH.I	-	S222	021BS-38	41				HSSVMCB1	27	312100 J004	033	1S	1S
045	SPIRE PMW_JFETV4_B . B-		SPH.I	-	S222	021BS-38	41				HSSVMCB1	27	312100 J004	045	1S	1S

Pin Allocation List

(Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
006	SPIRE PMW_JFETV4_B . SHD41		SPH.I	-	S222	021BS-38	41			CS-S222	HSSVMCB1	27	312100 J004	006	1S	1S
-																
044	SPIRE PMW_Bias1/2_B . B+		SPG.I	-	S223	021BS-38	42				HSSVMCB1	27	312100 J004	044	1S	1S
056	SPIRE PMW_Bias1/2_B . B-		SPG.I	-	S223	021BS-38	42				HSSVMCB1	27	312100 J004	056	1S	1S
006	SPIRE PMW_Bias1/2_B . SHD42		SPG.I	-	S223	021BS-38	42			CS-S223	HSSVMCB1	27	312100 J004	006	1S	1S
-																
022	SPIRE PMW_Bias3/4_B . B+		SPG.I	-	S224	021BS-38	43				HSSVMCB1	27	312100 J004	022	1S	1S
032	SPIRE PMW_Bias3/4_B . B-		SPG.I	-	S224	021BS-38	43				HSSVMCB1	27	312100 J004	032	1S	1S
006	SPIRE PMW_Bias3/4_B . SHD43		SPG.I	-	S224	021BS-38	43			CS-S224	HSSVMCB1	27	312100 J004	006	1S	1S
-																
006	SPIRE PMW_GND A4		SPX.-	-	S438	010B0-30					HSSVMCB1	27	312100 J004	006	1S	1S
-																
055	SPIRE PMW_Heater_B1 . B1+		SPJ.-	-	S226	021SS-38	44				HSSVMCB1	27	312100 J004	055	1S	1S
066	SPIRE PMW_Heater_B1 . B1-		SPJ.-	-	S226	021SS-38	44				HSSVMCB1	27	312100 J004	066	1S	1S
065	SPIRE PMW_Heater_B1 . SHD44		SPJ.-	-	S226	021SS-38	44			CS-S226	HSSVMCB1	27	312100 J004	065	1S	1S
-																
067	SPIRE PMW_Heater_B2 . B2+		SPJ.-	-	S227	021SS-38	45				HSSVMCB1	27	312100 J004	067	1S	1S
078	SPIRE PMW_Heater_B2 . B2-		SPJ.-	-	S227	021SS-38	45				HSSVMCB1	27	312100 J004	078	1S	1S
065	SPIRE PMW_Heater_B2 . SHD45		SPJ.-	-	S227	021SS-38	45			CS-S227	HSSVMCB1	27	312100 J004	065	1S	1S
-																
090	SPIRE PLW_Heater_B . B+		SPF.-	-	S228	021SS-38	46				HSSVMCB1	27	312100 J004	090		
079	SPIRE PLW_Heater_B . B-		SPF.-	-	S228	021SS-38	46				HSSVMCB1	27	312100 J004	079		
065	SPIRE PLW_Heater_B . SHD46		SPF.-	-	S228	021SS-38	46			CS-S228	HSSVMCB1	27	312100 J004	065	1S	1S
-																
070	SPIRE PLW_JFETV1_B . B+		SPE.I	-	S229	021BS-38	47				HSSVMCB1	27	312100 J004	070	1S	1S
081	SPIRE PLW_JFETV1_B . B-		SPE.I	-	S229	021BS-38	47				HSSVMCB1	27	312100 J004	081	1S	1S
091	SPIRE PLW_JFETV1_B . SHD47		SPE.I	-	S229	021BS-38	47			CS-S229	HSSVMCB1	27	312100 J004	091	1S	1S
-																
069	SPIRE PLW_JFETV2_B . B+		SPE.I	-	S230	021BS-38	48				HSSVMCB1	27	312100 J004	069	1S	1S
080	SPIRE PLW_JFETV2_B . B-		SPE.I	-	S230	021BS-38	48				HSSVMCB1	27	312100 J004	080	1S	1S
091	SPIRE PLW_JFETV2_B . SHD48		SPE.I	-	S230	021BS-38	48			CS-S230	HSSVMCB1	27	312100 J004	091	1S	1S
-																
068	SPIRE PLW_Bias1_B . B+		SPD.I	-	S231	021BS-38	49				HSSVMCB1	27	312100 J004	068	1S	1S
057	SPIRE PLW_Bias1_B . B-		SPD.I	-	S231	021BS-38	49				HSSVMCB1	27	312100 J004	057	1S	1S

Pin Allocation List (Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
091	SPIRE PLW_Bias1_B . SHD49		SPD.I	-	S231	021BS-38	49		CS-S231	HSSVMCB1	27	312100 J004	091	1S	1S	
-																
058	SPIRE PLW_Bias2_B . B+		SPD.I	-	S232	021BS-38	50			HSSVMCB1	27	312100 J004	058	1S	1S	
046	SPIRE PLW_Bias2_B . B-		SPD.I	-	S232	021BS-38	50			HSSVMCB1	27	312100 J004	046	1S	1S	
091	SPIRE PLW_Bias2_B . SHD50		SPD.I	-	S232	021BS-38	50		CS-S232	HSSVMCB1	27	312100 J004	091	1S	1S	
-																
091	SPIRE PLW_GND C4		SPX.-	-	S440	010B0-30				HSSVMCB1	27	312100 J004	091	1S	1S	
-																
002	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
003	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
004	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
005	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
008	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
015	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
025	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
047	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
065	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
082	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
093	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
094	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
105	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
114	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
115	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
121	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
122	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
123	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
124	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
125	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
126	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
127	to be con as part of FCR			-					Faraday Cage Ring (FCR)						1S	
-																
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S	

Pin Allocation List (Harness)

Connector: 211121 P026
Item: CVVUCR

Function / Bundle: UFThr 250.8° SIH-XS-03

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
CH	to be con to Outer Overall Schield (OOS)									Insulation required between IOS and OOS					1S

Pin Allocation List

(Harness)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW_JFETV1_A . A+		SPL.I	-	S176	021BS-38	1				CVVUCR	33	211121 P026	026	
037	SPIRE PSW_JFETV1_A . A-		SPL.I	-	S176	021BS-38	1				CVVUCR	33	211121 P026	037	
036	SPIRE PSW_JFETV1_A . SHD01		SPL.I	-	S176	021BS-38	1		CS-S176		CVVUCR	33	211121 P026	036	1S 1S
-															
038	SPIRE PSW_JFETV2_A . A+		SPL.I	-	S177	021BS-38	2				CVVUCR	33	211121 P026	038	
049	SPIRE PSW_JFETV2_A . A-		SPL.I	-	S177	021BS-38	2				CVVUCR	33	211121 P026	049	
036	SPIRE PSW_JFETV2_A . SHD02		SPL.I	-	S177	021BS-38	2		CS-S177		CVVUCR	33	211121 P026	036	1S 1S
-															
048	SPIRE PSW_JFETV3_A . A+		SPL.I	-	S178	021BS-38	3				CVVUCR	33	211121 P026	048	
060	SPIRE PSW_JFETV3_A . A-		SPL.I	-	S178	021BS-38	3				CVVUCR	33	211121 P026	060	
036	SPIRE PSW_JFETV3_A . SHD03		SPL.I	-	S178	021BS-38	3		CS-S178		CVVUCR	33	211121 P026	036	1S 1S
-															
059	SPIRE PSW_JFETV4_A . A+		SPL.I	-	S179	021BS-38	4				CVVUCR	33	211121 P026	059	
071	SPIRE PSW_JFETV4_A . A-		SPL.I	-	S179	021BS-38	4				CVVUCR	33	211121 P026	071	
036	SPIRE PSW_JFETV4_A . SHD04		SPL.I	-	S179	021BS-38	4		CS-S179		CVVUCR	33	211121 P026	036	1S 1S
-															
050	SPIRE PSW_JFETV5_A . A+		SPL.I	-	S180	021BS-38	5				CVVUCR	33	211121 P026	050	
061	SPIRE PSW_JFETV5_A . A-		SPL.I	-	S180	021BS-38	5				CVVUCR	33	211121 P026	061	
036	SPIRE PSW_JFETV5_A . SHD05		SPL.I	-	S180	021BS-38	5		CS-S180		CVVUCR	33	211121 P026	036	1S 1S
-															
062	SPIRE PSW_JFETV6_A . A+		SPL.I	-	S181	021BS-38	6				CVVUCR	33	211121 P026	062	
051	SPIRE PSW_JFETV6_A . A-		SPL.I	-	S181	021BS-38	6				CVVUCR	33	211121 P026	051	
036	SPIRE PSW_JFETV6_A . SHD06		SPL.I	-	S181	021BS-38	6		CS-S181		CVVUCR	33	211121 P026	036	1S 1S
-															
063	SPIRE PSW_Bias1/2_A . A+		SPK.I	-	S183	021BS-38	7				CVVUCR	33	211121 P026	063	
075	SPIRE PSW_Bias1/2_A . A-		SPK.I	-	S183	021BS-38	7				CVVUCR	33	211121 P026	075	
036	SPIRE PSW_Bias1/2_A . SHD07		SPK.I	-	S183	021BS-38	7		CS-S183		CVVUCR	33	211121 P026	036	1S 1S
-															
074	SPIRE PSW_Bias3/4_A . A+		SPK.I	-	S184	021BS-38	8				CVVUCR	33	211121 P026	074	
073	SPIRE PSW_Bias3/4_A . A-		SPK.I	-	S184	021BS-38	8				CVVUCR	33	211121 P026	073	
036	SPIRE PSW_Bias3/4_A . SHD08		SPK.I	-	S184	021BS-38	8		CS-S184		CVVUCR	33	211121 P026	036	1S 1S
-															
083	SPIRE PSW_Bias5/6_A . A+		SPK.I	-	S185	021BS-38	9				CVVUCR	33	211121 P026	083	
072	SPIRE PSW_Bias5/6_A . A-		SPK.I	-	S185	021BS-38	9				CVVUCR	33	211121 P026	072	

Pin Allocation List

(Harness)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.I -		S185	021BS-38	9			CS-S185	CVVUCR	33	211121 P026	036	1S	1S
-																
036	SPIRE PSW_JFETV GND A1		SPX.- -		S431	010B0-30					CVVUCR	33	211121 P026	036	1S	1S
-																1S
095	SPIRE PSW_Heater_A1 . A1+		SPM.- -		S186	021SS-38	10				CVVUCR	33	211121 P026	095		
084	SPIRE PSW_Heater_A1 . A1-		SPM.- -		S186	021SS-38	10				CVVUCR	33	211121 P026	084		
105	SPIRE PSW_Heater_A1 . SHD10		SPM.- -		S186	021SS-38	10			CS-S186	CVVUCR	33	211121 P026	105	1S	1S
-																
096	SPIRE PSW_Heater_A2 . A2+		SPM.- -		S187	021SS-38	11				CVVUCR	33	211121 P026	096		
085	SPIRE PSW_Heater_A2 . A2-		SPM.- -		S187	021SS-38	11				CVVUCR	33	211121 P026	085		
105	SPIRE PSW_Heater_A2 . SHD11		SPM.- -		S187	021SS-38	11			CS-S187	CVVUCR	33	211121 P026	105	1S	1S
-																
106	SPIRE PSW_Heater_A3 . A3+		SPM.- -		S188	021SS-38	12				CVVUCR	33	211121 P026	106		
107	SPIRE PSW_Heater_A3 . A3-		SPM.- -		S188	021SS-38	12				CVVUCR	33	211121 P026	107		
105	SPIRE PSW_Heater_A3 . SHD12		SPM.- -		S188	021SS-38	12			CS-S188	CVVUCR	33	211121 P026	105	1S	1S
-																
042	SPIRE PSW_JFETV1_B . B+		SPL.I -		S205	021BS-38	13				CVVUCR	33	211121 P026	042	1S	1S
054	SPIRE PSW_JFETV1_B . B-		SPL.I -		S205	021BS-38	13				CVVUCR	33	211121 P026	054	1S	1S
001	SPIRE PSW_JFETV1_B . SHD13		SPL.I -		S205	021BS-38	13			CS-S205	CVVUCR	33	211121 P026	001	1S	1S
-																
053	SPIRE PSW_JFETV2_B . B+		SPL.I -		S206	021BS-38	14				CVVUCR	33	211121 P026	053	1S	1S
052	SPIRE PSW_JFETV2_B . B-		SPL.I -		S206	021BS-38	14				CVVUCR	33	211121 P026	052	1S	1S
001	SPIRE PSW_JFETV2_B . SHD14		SPL.I -		S206	021BS-38	14			CS-S206	CVVUCR	33	211121 P026	001	1S	1S
-																
041	SPIRE PSW_JFETV3_B . B+		SPL.I -		S207	021BS-38	15				CVVUCR	33	211121 P026	041	1S	1S
030	SPIRE PSW_JFETV3_B . B-		SPL.I -		S207	021BS-38	15				CVVUCR	33	211121 P026	030	1S	1S
001	SPIRE PSW_JFETV3_B . SHD15		SPL.I -		S207	021BS-38	15			CS-S207	CVVUCR	33	211121 P026	001	1S	1S
-																
010	SPIRE PSW_JFETV4_B . B+		SPL.I -		S208	021BS-38	16				CVVUCR	33	211121 P026	010	1S	1S
011	SPIRE PSW_JFETV4_B . B-		SPL.I -		S208	021BS-38	16				CVVUCR	33	211121 P026	011	1S	1S
001	SPIRE PSW_JFETV4_B . SHD16		SPL.I -		S208	021BS-38	16			CS-S208	CVVUCR	33	211121 P026	001	1S	1S
-																
019	SPIRE PSW_JFETV5_B . B+		SPL.I -		S209	021BS-38	17				CVVUCR	33	211121 P026	019	1S	1S
029	SPIRE PSW_JFETV5_B . B-		SPL.I -		S209	021BS-38	17				CVVUCR	33	211121 P026	029	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 J004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW_JFETV5_B . SHD17		SPL.I	-	S209	021BS-38	17			CS-S209	CVVUCR	33	211121 P026	001	1S	1S
-																
016	SPIRE PSW_JFETV6_B . B+		SPL.I	-	S210	021BS-38	18				CVVUCR	33	211121 P026	016	1S	1S
027	SPIRE PSW_JFETV6_B . B-		SPL.I	-	S210	021BS-38	18				CVVUCR	33	211121 P026	027	1S	1S
001	SPIRE PSW_JFETV6_B . SHD18		SPL.I	-	S210	021BS-38	18			CS-S210	CVVUCR	33	211121 P026	001	1S	1S
-																
040	SPIRE PSW_Bias1/2_B . B+		SPK.I	-	S212	021BS-38	19				CVVUCR	33	211121 P026	040	1S	1S
039	SPIRE PSW_Bias1/2_B . B-		SPK.I	-	S212	021BS-38	19				CVVUCR	33	211121 P026	039	1S	1S
001	SPIRE PSW_Bias1/2_B . SHD19		SPK.I	-	S212	021BS-38	19			CS-S212	CVVUCR	33	211121 P026	001	1S	1S
-																
018	SPIRE PSW_Bias3/4_B . B+		SPK.I	-	S213	021BS-38	20				CVVUCR	33	211121 P026	018	1S	1S
028	SPIRE PSW_Bias3/4_B . B-		SPK.I	-	S213	021BS-38	20				CVVUCR	33	211121 P026	028	1S	1S
001	SPIRE PSW_Bias3/4_B . SHD20		SPK.I	-	S213	021BS-38	20			CS-S213	CVVUCR	33	211121 P026	001	1S	1S
-																
009	SPIRE PSW_Bias5/6_B . B+		SPK.I	-	S214	021BS-38	21				CVVUCR	33	211121 P026	009	1S	1S
017	SPIRE PSW_Bias5/6_B . B-		SPK.I	-	S214	021BS-38	21				CVVUCR	33	211121 P026	017	1S	1S
001	SPIRE PSW_Bias5/6_B . SHD21		SPK.I	-	S214	021BS-38	21			CS-S214	CVVUCR	33	211121 P026	001	1S	1S
-																
001	SPIRE PSW_JFETV GND A3		SPX.-	-	S433	010B0-30					CVVUCR	33	211121 P026	001	1S	1S
-																
013	SPIRE PSW_Heater_B1 . B1+		SPM.-	-	S215	021SS-38	22				CVVUCR	33	211121 P026	013	1S	1S
012	SPIRE PSW_Heater_B1 . B1-		SPM.-	-	S215	021SS-38	22				CVVUCR	33	211121 P026	012	1S	1S
005	SPIRE PSW_Heater_B1 . SHD22		SPM.-	-	S215	021SS-38	22			CS-S215	CVVUCR	33	211121 P026	005	1S	1S
-																
021	SPIRE PSW_Heater_B2 . B2+		SPM.-	-	S216	021SS-38	23				CVVUCR	33	211121 P026	021	1S	1S
020	SPIRE PSW_Heater_B2 . B2-		SPM.-	-	S216	021SS-38	23				CVVUCR	33	211121 P026	020	1S	1S
005	SPIRE PSW_Heater_B2 . SHD23		SPM.-	-	S216	021SS-38	23			CS-S216	CVVUCR	33	211121 P026	005	1S	1S
-																
031	SPIRE PSW_Heater_B3 . B3+		SPM.-	-	S217	021SS-38	24				CVVUCR	33	211121 P026	031	1S	1S
043	SPIRE PSW_Heater_B3 . B3-		SPM.-	-	S217	021SS-38	24				CVVUCR	33	211121 P026	043	1S	1S
005	SPIRE PSW_Heater_B3 . SHD24		SPM.-	-	S217	021SS-38	24			CS-S217	CVVUCR	33	211121 P026	005	1S	1S
-																
086	SPIRE PMW_JFETV1_A . A+		SPH.I	-	S190	021BS-38	25				CVVUCR	33	211121 P026	086	1S	1S
087	SPIRE PMW_JFETV1_A . A-		SPH.I	-	S190	021BS-38	25				CVVUCR	33	211121 P026	087	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
064	SPIRE PMW_JFETV1_A . SHD25		SPH.I	-	S190	021BS-38	25			CS-S190	CVVUCR	33	211121 P026	064	1S	1S
-																
097	SPIRE PMW_JFETV2_A . A+		SPH.I	-	S191	021BS-38	26				CVVUCR	33	211121 P026	097	1S	1S
098	SPIRE PMW_JFETV2_A . A-		SPH.I	-	S191	021BS-38	26				CVVUCR	33	211121 P026	098	1S	1S
064	SPIRE PMW_JFETV2_A . SHD26		SPH.I	-	S191	021BS-38	26			CS-S191	CVVUCR	33	211121 P026	064	1S	1S
-																
108	SPIRE PMW_JFETV3_A . A+		SPH.I	-	S192	021BS-38	27				CVVUCR	33	211121 P026	108	1S	1S
109	SPIRE PMW_JFETV3_A . A-		SPH.I	-	S192	021BS-38	27				CVVUCR	33	211121 P026	109	1S	1S
064	SPIRE PMW_JFETV3_A . SHD27		SPH.I	-	S192	021BS-38	27			CS-S192	CVVUCR	33	211121 P026	064	1S	1S
-																
116	SPIRE PMW_JFETV4_A . A+		SPH.I	-	S193	021BS-38	28				CVVUCR	33	211121 P026	116	1S	1S
117	SPIRE PMW_JFETV4_A . A-		SPH.I	-	S193	021BS-38	28				CVVUCR	33	211121 P026	117	1S	1S
064	SPIRE PMW_JFETV4_A . SHD28		SPH.I	-	S193	021BS-38	28			CS-S193	CVVUCR	33	211121 P026	064	1S	1S
-																
076	SPIRE PMW_Bias1/2_A . A+		SPG.I	-	S194	021BS-38	29				CVVUCR	33	211121 P026	076	1S	1S
077	SPIRE PMW_Bias1/2_A . A-		SPG.I	-	S194	021BS-38	29				CVVUCR	33	211121 P026	077	1S	1S
064	SPIRE PMW_Bias1/2_A . SHD29		SPG.I	-	S194	021BS-38	29			CS-S194	CVVUCR	33	211121 P026	064	1S	1S
-																
088	SPIRE PMW_Bias3/4_A . A+		SPG.I	-	S195	021BS-38	30				CVVUCR	33	211121 P026	088	1S	1S
089	SPIRE PMW_Bias3/4_A . A-		SPG.I	-	S195	021BS-38	30				CVVUCR	33	211121 P026	089	1S	1S
064	SPIRE PMW_Bias3/4_A . SHD30		SPG.I	-	S195	021BS-38	30			CS-S195	CVVUCR	33	211121 P026	064	1S	1S
-																
064	SPIRE PMW_GND A2		SPX.-	-	S435	010B0-30					CVVUCR	33	211121 P026	064	1S	1S
-																
103	SPIRE PMW_Heater_A1 . A1+		SPJ.-	-	S197	021SS-38	31				CVVUCR	33	211121 P026	103	1S	1S
113	SPIRE PMW_Heater_A1 . A1-		SPJ.-	-	S197	021SS-38	31				CVVUCR	33	211121 P026	113	1S	1S
114	SPIRE PMW_Heater_A1 . SHD31		SPJ.-	-	S197	021SS-38	31			CS-S197	CVVUCR	33	211121 P026	114	1S	1S
-																
102	SPIRE PMW_Heater_A2 . A2+		SPJ.-	-	S198	021SS-38	32				CVVUCR	33	211121 P026	102	1S	1S
101	SPIRE PMW_Heater_A2 . A2-		SPJ.-	-	S198	021SS-38	32				CVVUCR	33	211121 P026	101	1S	1S
114	SPIRE PMW_Heater_A2 . SHD32		SPJ.-	-	S198	021SS-38	32			CS-S198	CVVUCR	33	211121 P026	114	1S	1S
-																
092	SPIRE PLW_Heater_A . A+		SPF.-	-	S199	021SS-38	33				CVVUCR	33	211121 P026	092	1S	1S
104	SPIRE PLW_Heater_A . A-		SPF.-	-	S199	021SS-38	33				CVVUCR	33	211121 P026	104	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
114	SPIRE PLW_Heater_A . SHD33		SPF.-	-	S199	021SS-38	33			CS-S199	CVVUCR	33	211121 P026	114	1S	1S
-																
099	SPIRE PLW_JFETV1_A . A+		SPE.I	-	S200	021BS-38	34				CVVUCR	33	211121 P026	099	1S	1S
100	SPIRE PLW_JFETV1_A . A-		SPE.I	-	S200	021BS-38	34				CVVUCR	33	211121 P026	100	1S	1S
128	SPIRE PLW_JFETV1_A . SHD34		SPE.I	-	S200	021BS-38	34			CS-S200	CVVUCR	33	211121 P026	128	1S	1S
-																
110	SPIRE PLW_JFETV2_A . A+		SPE.I	-	S201	021BS-38	35				CVVUCR	33	211121 P026	110	1S	1S
111	SPIRE PLW_JFETV2_A . A-		SPE.I	-	S201	021BS-38	35				CVVUCR	33	211121 P026	111	1S	1S
128	SPIRE PLW_JFETV2_A . SHD35		SPE.I	-	S201	021BS-38	35			CS-S201	CVVUCR	33	211121 P026	128	1S	1S
-																
118	SPIRE PLW_Bias1_A . A+		SPD.I	-	S202	021BS-38	36				CVVUCR	33	211121 P026	118	1S	1S
119	SPIRE PLW_Bias1_A . A-		SPD.I	-	S202	021BS-38	36				CVVUCR	33	211121 P026	119	1S	1S
128	SPIRE PLW_Bias1_A . SHD36		SPD.I	-	S202	021BS-38	36			CS-S202	CVVUCR	33	211121 P026	128	1S	1S
-																
112	SPIRE PLW_Bias2_A . A+		SPD.I	-	S203	021BS-38	37				CVVUCR	33	211121 P026	112	1S	1S
120	SPIRE PLW_Bias2_A . A-		SPD.I	-	S203	021BS-38	37				CVVUCR	33	211121 P026	120	1S	1S
128	SPIRE PLW_Bias2_A . SHD37		SPD.I	-	S203	021BS-38	37			CS-S203	CVVUCR	33	211121 P026	128	1S	1S
-																
128	SPIRE PLW_GND C2		SPX.-	-	S437	010B0-30					CVVUCR	33	211121 P026	128	1S	1S
-																
007	SPIRE PMW_JFETV1_B . B+		SPH.I	-	S219	021BS-38	38				CVVUCR	33	211121 P026	007	1S	1S
014	SPIRE PMW_JFETV1_B . B-		SPH.I	-	S219	021BS-38	38				CVVUCR	33	211121 P026	014	1S	1S
006	SPIRE PMW_JFETV1_B . SHD38		SPH.I	-	S219	021BS-38	38			CS-S219	CVVUCR	33	211121 P026	006	1S	1S
-																
024	SPIRE PMW_JFETV2_B . B+		SPH.I	-	S220	021BS-38	39				CVVUCR	33	211121 P026	024	1S	1S
035	SPIRE PMW_JFETV2_B . B-		SPH.I	-	S220	021BS-38	39				CVVUCR	33	211121 P026	035	1S	1S
006	SPIRE PMW_JFETV2_B . SHD39		SPH.I	-	S220	021BS-38	39			CS-S220	CVVUCR	33	211121 P026	006	1S	1S
-																
023	SPIRE PMW_JFETV3_B . B+		SPH.I	-	S221	021BS-38	40				CVVUCR	33	211121 P026	023	1S	1S
034	SPIRE PMW_JFETV3_B . B-		SPH.I	-	S221	021BS-38	40				CVVUCR	33	211121 P026	034	1S	1S
006	SPIRE PMW_JFETV3_B . SHD40		SPH.I	-	S221	021BS-38	40			CS-S221	CVVUCR	33	211121 P026	006	1S	1S
-																
033	SPIRE PMW_JFETV4_B . B+		SPH.I	-	S222	021BS-38	41				CVVUCR	33	211121 P026	033	1S	1S
045	SPIRE PMW_JFETV4_B . B-		SPH.I	-	S222	021BS-38	41				CVVUCR	33	211121 P026	045	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
006	SPIRE PMW_JFETV4_B . SHD41		SPH.I -		S222	021BS-38	41			CS-S222	CVVUCR	33	211121 P026	006	1S	1S
-																
044	SPIRE PMW_Bias1/2_B . B+		SPG.I -		S223	021BS-38	42				CVVUCR	33	211121 P026	044	1S	1S
056	SPIRE PMW_Bias1/2_B . B-		SPG.I -		S223	021BS-38	42				CVVUCR	33	211121 P026	056	1S	1S
006	SPIRE PMW_Bias1/2_B . SHD42		SPG.I -		S223	021BS-38	42			CS-S223	CVVUCR	33	211121 P026	006	1S	1S
-																
022	SPIRE PMW_Bias3/4_B . B+		SPG.I -		S224	021BS-38	43				CVVUCR	33	211121 P026	022	1S	1S
032	SPIRE PMW_Bias3/4_B . B-		SPG.I -		S224	021BS-38	43				CVVUCR	33	211121 P026	032	1S	1S
006	SPIRE PMW_Bias3/4_B . SHD43		SPG.I -		S224	021BS-38	43			CS-S224	CVVUCR	33	211121 P026	006	1S	1S
-																
006	SPIRE PMW_GND A4		SPX.- -		S438	010B0-30					CVVUCR	33	211121 P026	006	1S	1S
-																
055	SPIRE PMW_Heater_B1 . B1+		SPJ.- -		S226	021SS-38	44				CVVUCR	33	211121 P026	055	1S	1S
066	SPIRE PMW_Heater_B1 . B1-		SPJ.- -		S226	021SS-38	44				CVVUCR	33	211121 P026	066	1S	1S
065	SPIRE PMW_Heater_B1 . SHD44		SPJ.- -		S226	021SS-38	44			CS-S226	CVVUCR	33	211121 P026	065	1S	1S
-																
067	SPIRE PMW_Heater_B2 . B2+		SPJ.- -		S227	021SS-38	45				CVVUCR	33	211121 P026	067	1S	1S
078	SPIRE PMW_Heater_B2 . B2-		SPJ.- -		S227	021SS-38	45				CVVUCR	33	211121 P026	078	1S	1S
065	SPIRE PMW_Heater_B2 . SHD45		SPJ.- -		S227	021SS-38	45			CS-S227	CVVUCR	33	211121 P026	065	1S	1S
-																
090	SPIRE PLW_Heater_B . B+		SPF.- -		S228	021SS-38	46				CVVUCR	33	211121 P026	090		
079	SPIRE PLW_Heater_B . B-		SPF.- -		S228	021SS-38	46				CVVUCR	33	211121 P026	079		
065	SPIRE PLW_Heater_B . SHD46		SPF.- -		S228	021SS-38	46			CS-S228	CVVUCR	33	211121 P026	065	1S	1S
-																
070	SPIRE PLW_JFETV1_B . B+		SPE.I -		S229	021BS-38	47				CVVUCR	33	211121 P026	070	1S	1S
081	SPIRE PLW_JFETV1_B . B-		SPE.I -		S229	021BS-38	47				CVVUCR	33	211121 P026	081	1S	1S
091	SPIRE PLW_JFETV1_B . SHD47		SPE.I -		S229	021BS-38	47			CS-S229	CVVUCR	33	211121 P026	091	1S	1S
-																
069	SPIRE PLW_JFETV2_B . B+		SPE.I -		S230	021BS-38	48				CVVUCR	33	211121 P026	069	1S	1S
080	SPIRE PLW_JFETV2_B . B-		SPE.I -		S230	021BS-38	48				CVVUCR	33	211121 P026	080	1S	1S
091	SPIRE PLW_JFETV2_B . SHD48		SPE.I -		S230	021BS-38	48			CS-S230	CVVUCR	33	211121 P026	091	1S	1S
-																
068	SPIRE PLW_Bias1_B . B+		SPD.I -		S231	021BS-38	49				CVVUCR	33	211121 P026	068	1S	1S
057	SPIRE PLW_Bias1_B . B-		SPD.I -		S231	021BS-38	49				CVVUCR	33	211121 P026	057	1S	1S

Pin Allocation List (Harness)

Connector: 312100 J004

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
091	SPIRE PLW_Bias1_B . SHD49		SPD.I	-	S231	021BS-38	49			CS-S231	CVVUCR	33	211121 P026	091	1S	1S
-																
058	SPIRE PLW_Bias2_B . B+		SPD.I	-	S232	021BS-38	50				CVVUCR	33	211121 P026	058	1S	1S
046	SPIRE PLW_Bias2_B . B-		SPD.I	-	S232	021BS-38	50				CVVUCR	33	211121 P026	046	1S	1S
091	SPIRE PLW_Bias2_B . SHD50		SPD.I	-	S232	021BS-38	50			CS-S232	CVVUCR	33	211121 P026	091	1S	1S
-																
091	SPIRE PLW_GND C4		SPX.-	-	S440	010B0-30					CVVUCR	33	211121 P026	091	1S	1S
-																
002	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
065	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
-																
FCR	to be connected to Inner Overall Shield									Insulation required between IOS and OOS						1S

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
Issue : 2.1 Date : 03.08.2006
Sheet : 263 (of 666)

Connector: 312100 J004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
CH	to be connected to outer overall shield (oos)									Insulation required between IOS and OOS					1S

Pin Allocation List

(Harness)

Connector: 211121 P022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PMW Ch01 to 04 . 1+		SPB.I -		S067	021SS-38	1	067-1		HSSVMCB1	27	312100 J003	026	1S	R	
037	SPIRE PMW Ch01 to 04 . 1-		SPB.I -		S067	021SS-38	1	067-1		HSSVMCB1	27	312100 J003	037	1S	R	
036	SPIRE PMW Ch01 to 04 . SHD01		SPB.I -		S067	021SS-38	1	067-1	CS-S067-1	HSSVMCB1	27	312100 J003	036	1S	R	
-																
038	SPIRE PMW Ch01 to 04 . 2+		SPB.I -		S067	021SS-38	2	067-2		HSSVMCB1	27	312100 J003	038	1S	R	
049	SPIRE PMW Ch01 to 04 . 2-		SPB.I -		S067	021SS-38	2	067-2		HSSVMCB1	27	312100 J003	049	1S	R	
036	SPIRE PMW Ch01 to 04 . SHD02		SPB.I -		S067	021SS-38	2	067-2	CS-S067-2	HSSVMCB1	27	312100 J003	036	1S	R	
-																
048	SPIRE PMW Ch01 to 04 . 3+		SPB.I -		S067	021SS-38	3	067-3		HSSVMCB1	27	312100 J003	048	1S	R	
060	SPIRE PMW Ch01 to 04 . 3-		SPB.I -		S067	021SS-38	3	067-3		HSSVMCB1	27	312100 J003	060	1S	R	
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.I -		S067	021SS-38	3	067-3	CS-S067-3	HSSVMCB1	27	312100 J003	036	1S	R	
-																
059	SPIRE PMW Ch01 to 04 . 4+		SPB.I -		S067	021SS-38	4	067-4		HSSVMCB1	27	312100 J003	059	1S	R	
071	SPIRE PMW Ch01 to 04 . 4-		SPB.I -		S067	021SS-38	4	067-4		HSSVMCB1	27	312100 J003	071	1S	R	
036	SPIRE PMW Ch01 to 04 . SHD04		SPB.I -		S067	021SS-38	4	067-4	CS-S067-4	HSSVMCB1	27	312100 J003	036	1S	R	
-																
050	SPIRE PMW Ch05 to 08 . 5+		SPB.I -		S068	021SS-38	5	068-1		HSSVMCB1	27	312100 J003	050	1S	R	
061	SPIRE PMW Ch05 to 08 . 5-		SPB.I -		S068	021SS-38	5	068-1		HSSVMCB1	27	312100 J003	061	1S	R	
036	SPIRE PMW Ch05 to 08 . SHD05		SPB.I -		S068	021SS-38	5	068-1	CS-S068-1	HSSVMCB1	27	312100 J003	036	1S	R	
-																
062	SPIRE PMW Ch05 to 08 . 6+		SPB.I -		S068	021SS-38	6	068-2		HSSVMCB1	27	312100 J003	062	1S	R	
051	SPIRE PMW Ch05 to 08 . 6-		SPB.I -		S068	021SS-38	6	068-2		HSSVMCB1	27	312100 J003	051	1S	R	
036	SPIRE PMW Ch05 to 08 . SHD06		SPB.I -		S068	021SS-38	6	068-2	CS-S068-2	HSSVMCB1	27	312100 J003	036	1S	R	
-																
063	SPIRE PMW Ch05 to 08 . 7+		SPB.I -		S068	021SS-38	7	068-3		HSSVMCB1	27	312100 J003	063	1S	R	
075	SPIRE PMW Ch05 to 08 . 7-		SPB.I -		S068	021SS-38	7	068-3		HSSVMCB1	27	312100 J003	075	1S	R	
036	SPIRE PMW Ch05 to 08 . SHD07		SPB.I -		S068	021SS-38	7	068-3	CS-S068-3	HSSVMCB1	27	312100 J003	036	1S	R	
-																
074	SPIRE PMW Ch05 to 08 . 8+		SPB.I -		S068	021SS-38	8	068-4		HSSVMCB1	27	312100 J003	074	1S	R	
073	SPIRE PMW Ch05 to 08 . 8-		SPB.I -		S068	021SS-38	8	068-4		HSSVMCB1	27	312100 J003	073	1S	R	
036	SPIRE PMW Ch05 to 08 . SHD08		SPB.I -		S068	021SS-38	8	068-4	CS-S068-4	HSSVMCB1	27	312100 J003	036	1S	R	
-																
083	SPIRE PMW Ch09 to 12 . 9+		SPB.I -		S069	021SS-38	9	069-1		HSSVMCB1	27	312100 J003	083	1S	R	
072	SPIRE PMW Ch09 to 12 . 9-		SPB.I -		S069	021SS-38	9	069-1		HSSVMCB1	27	312100 J003	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PMW Ch09 to 12 . SHD09		SPB.I -		S069	021SS-38	9	069-1		CS-S069-1	HSSVMCB1	27	312100 J003	036	1S	R
-																
095	SPIRE PMW Ch09 to 12 . 10+		SPB.I -		S069	021SS-38	10	069-2			HSSVMCB1	27	312100 J003	095	1S	R
084	SPIRE PMW Ch09 to 12 . 10-		SPB.I -		S069	021SS-38	10	069-2			HSSVMCB1	27	312100 J003	084	1S	R
036	SPIRE PMW Ch09 to 12 . SHD10		SPB.I -		S069	021SS-38	10	069-2		CS-S069-2	HSSVMCB1	27	312100 J003	036	1S	R
-																
096	SPIRE PMW Ch09 to 12 . 11+		SPB.I -		S069	021SS-38	11	069-3			HSSVMCB1	27	312100 J003	096	1S	R
085	SPIRE PMW Ch09 to 12 . 11-		SPB.I -		S069	021SS-38	11	069-3			HSSVMCB1	27	312100 J003	085	1S	R
036	SPIRE PMW Ch09 to 12 . SHD11		SPB.I -		S069	021SS-38	11	069-3		CS-S069-3	HSSVMCB1	27	312100 J003	036	1S	R
-																
106	SPIRE PMW Ch09 to 12 . 12+		SPB.I -		S069	021SS-38	12	069-4			HSSVMCB1	27	312100 J003	106	1S	R
107	SPIRE PMW Ch09 to 12 . 12-		SPB.I -		S069	021SS-38	12	069-4			HSSVMCB1	27	312100 J003	107	1S	R
036	SPIRE PMW Ch09 to 12 . SHD12		SPB.I -		S069	021SS-38	12	069-4		CS-S069-4	HSSVMCB1	27	312100 J003	036	1S	R
-																
086	SPIRE PMW Ch 13 to 16 . 13+		SPB.I -		S072	021SS-38	13	072-1			HSSVMCB1	27	312100 J003	086	1S	R
087	SPIRE PMW Ch 13 to 16 . 13-		SPB.I -		S072	021SS-38	13	072-1			HSSVMCB1	27	312100 J003	087	1S	R
036	SPIRE PMW Ch 13 to 16 . SHD13		SPB.I -		S072	021SS-38	13	072-1		CS-S072-1	HSSVMCB1	27	312100 J003	036	1S	R
-																
097	SPIRE PMW Ch 13 to 16 . 14+		SPB.I -		S072	021SS-38	14	072-2			HSSVMCB1	27	312100 J003	097	1S	R
098	SPIRE PMW Ch 13 to 16 . 14-		SPB.I -		S072	021SS-38	14	072-2			HSSVMCB1	27	312100 J003	098	1S	R
036	SPIRE PMW Ch 13 to 16 . SHD14		SPB.I -		S072	021SS-38	14	072-2		CS-S072-2	HSSVMCB1	27	312100 J003	036	1S	R
-																
108	SPIRE PMW Ch 13 to 16 . 15+		SPB.I -		S072	021SS-38	15	072-3			HSSVMCB1	27	312100 J003	108	1S	R
109	SPIRE PMW Ch 13 to 16 . 15-		SPB.I -		S072	021SS-38	15	072-3			HSSVMCB1	27	312100 J003	109	1S	R
036	SPIRE PMW Ch 13 to 16 . SHD15		SPB.I -		S072	021SS-38	15	072-3		CS-S072-3	HSSVMCB1	27	312100 J003	036	1S	R
-																
116	SPIRE PMW Ch 13 to 16 . 16+		SPB.I -		S072	021SS-38	16	072-4			HSSVMCB1	27	312100 J003	116	1S	R
117	SPIRE PMW Ch 13 to 16 . 16-		SPB.I -		S072	021SS-38	16	072-4			HSSVMCB1	27	312100 J003	117	1S	R
036	SPIRE PMW Ch 13 to 16 . SHD16		SPB.I -		S072	021SS-38	16	072-4		CS-S072-4	HSSVMCB1	27	312100 J003	036	1S	R
-																
036	SPIRE PMW B04 GND WIRE A1		SPX.- -		S441	010B0-30					HSSVMCB1	27	312100 J003	036	1S	R
-																
055	SPIRE PMW Ch17 to 19 . 17+		SPB.I -		S073	021SS-38	17	073-1			HSSVMCB1	27	312100 J003	055	1S	R
066	SPIRE PMW Ch17 to 19 . 17-		SPB.I -		S073	021SS-38	17	073-1			HSSVMCB1	27	312100 J003	066	1S	R

Pin Allocation List

(Harness)

Connector: 211121 P022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PMW Ch17 to 19 . SHD17		SPB.I	-	S073	021SS-38	17	073-1	CS-S073-1	HSSVMCB1	27	312100 J003	128	1S	R	
-																
067	SPIRE PMW Ch17 to 19 . 18+		SPB.I	-	S073	021SS-38	18	073-2		HSSVMCB1	27	312100 J003	067	1S	R	
078	SPIRE PMW Ch17 to 19 . 18-		SPB.I	-	S073	021SS-38	18	073-2		HSSVMCB1	27	312100 J003	078	1S	R	
128	SPIRE PMW Ch17 to 19 . SHD18		SPB.I	-	S073	021SS-38	18	073-2	CS-S073-2	HSSVMCB1	27	312100 J003	128	1S	R	
-																
076	SPIRE PMW Ch17 to 19 . 19+		SPB.I	-	S073	021SS-38	19	073-3		HSSVMCB1	27	312100 J003	076	1S	R	
077	SPIRE PMW Ch17 to 19 . 19-		SPB.I	-	S073	021SS-38	19	073-3		HSSVMCB1	27	312100 J003	077	1S	R	
128	SPIRE PMW Ch17 to 19 . SHD19		SPB.I	-	S073	021SS-38	19	073-3	CS-S073-3	HSSVMCB1	27	312100 J003	128	1S	R	
-																
088	SPIRE PMW Ch 20 . 20+		SPB.-	-	S73A	12AXD-38	20	073-4		HSSVMCB1	27	312100 J003	088	1S	R	
089	SPIRE PMW Ch 20 . 20-		SPB.-	-	S73A	12AXD-38	20	073-4		HSSVMCB1	27	312100 J003	089	1S	R	
128	SPIRE PMW Ch 20 . SHD20		SPB.-	-	S73A	12AXD-38	20	073-4	CS-S073-4	HSSVMCB1	27	312100 J003	128	1S	R	
-																
099	SPIRE PMW Ch21 to 24 . 21+		SPB.I	-	S074	021SS-38	21	074-1		HSSVMCB1	27	312100 J003	099	1S	R	
100	SPIRE PMW Ch21 to 24 . 21-		SPB.I	-	S074	021SS-38	21	074-1		HSSVMCB1	27	312100 J003	100	1S	R	
128	SPIRE PMW Ch21 to 24 . SHD21		SPB.I	-	S074	021SS-38	21	074-1	CS-S074-1	HSSVMCB1	27	312100 J003	128	1S	R	
-																
110	SPIRE PMW Ch21 to 24 . 22+		SPB.I	-	S074	021SS-38	22	074-2		HSSVMCB1	27	312100 J003	110	1S	R	
111	SPIRE PMW Ch21 to 24 . 22-		SPB.I	-	S074	021SS-38	22	074-2		HSSVMCB1	27	312100 J003	111	1S	R	
128	SPIRE PMW Ch21 to 24 . SHD22		SPB.I	-	S074	021SS-38	22	074-2	CS-S074-2	HSSVMCB1	27	312100 J003	128	1S	R	
-																
118	SPIRE PMW Ch21 to 24 . 23+		SPB.I	-	S074	021SS-38	23	074-3		HSSVMCB1	27	312100 J003	118	1S	R	
119	SPIRE PMW Ch21 to 24 . 23-		SPB.I	-	S074	021SS-38	23	074-3		HSSVMCB1	27	312100 J003	119	1S	R	
128	SPIRE PMW Ch21 to 24 . SHD23		SPB.I	-	S074	021SS-38	23	074-3	CS-S074-3	HSSVMCB1	27	312100 J003	128	1S	R	
-																
112	SPIRE PMW Ch21 to 24 . 24+		SPB.I	-	S074	021SS-38	24	074-4		HSSVMCB1	27	312100 J003	112	1S	R	
120	SPIRE PMW Ch21 to 24 . 24-		SPB.I	-	S074	021SS-38	24	074-4		HSSVMCB1	27	312100 J003	120	1S	R	
128	SPIRE PMW Ch21 to 24 . SHD24		SPB.I	-	S074	021SS-38	24	074-4	CS-S074-4	HSSVMCB1	27	312100 J003	128	1S	R	
-																
090	SPIRE PMW Ch25 to 28 . 25+		SPB.I	-	S076	021SS-38	25	076-1		HSSVMCB1	27	312100 J003	090	1S	R	
079	SPIRE PMW Ch25 to 28 . 25-		SPB.I	-	S076	021SS-38	25	076-1		HSSVMCB1	27	312100 J003	079	1S	R	
128	SPIRE PMW Ch25 to 28 . SHD25		SPB.I	-	S076	021SS-38	25	076-1	CS-S076-1	HSSVMCB1	27	312100 J003	128	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PMW Ch25 to 28 . 26+		SPB.I -		S076	021SS-38	26	076-2		HSSVMCB1	27	312100 J003	102	1S	R	
101	SPIRE PMW Ch25 to 28 . 26-		SPB.I -		S076	021SS-38	26	076-2		HSSVMCB1	27	312100 J003	101	1S	R	
128	SPIRE PMW Ch25 to 28 . SHD26		SPB.I -		S076	021SS-38	26	076-2	CS-S076-2	HSSVMCB1	27	312100 J003	128	1S	R	
-																
092	SPIRE PMW Ch25 to 28 . 27+		SPB.I -		S076	021SS-38	27	076-3		HSSVMCB1	27	312100 J003	092	1S	R	
091	SPIRE PMW Ch25 to 28 . 27-		SPB.I -		S076	021SS-38	27	076-3		HSSVMCB1	27	312100 J003	091	1S	R	
128	SPIRE PMW Ch25 to 28 . SHD27		SPB.I -		S076	021SS-38	27	076-3	CS-S076-3	HSSVMCB1	27	312100 J003	128	1S	R	
-																
103	SPIRE PMW Ch25 to 28 . 28+		SPB.I -		S076	021SS-38	28	076-4		HSSVMCB1	27	312100 J003	103	1S	R	
113	SPIRE PMW Ch25 to 28 . 28-		SPB.I -		S076	021SS-38	28	076-4		HSSVMCB1	27	312100 J003	113	1S	R	
128	SPIRE PMW Ch25 to 28 . SHD28		SPB.I -		S076	021SS-38	28	076-4	CS-S076-4	HSSVMCB1	27	312100 J003	128	1S	R	
-																
058	SPIRE PMW Ch29 to 32 . 29+		SPB.I -		S077	021SS-38	29	077-1		HSSVMCB1	27	312100 J003	058	1S	R	
046	SPIRE PMW Ch29 to 32 . 29-		SPB.I -		S077	021SS-38	29	077-1		HSSVMCB1	27	312100 J003	046	1S	R	
128	SPIRE PMW Ch29 to 32 . SHD29		SPB.I -		S077	021SS-38	29	077-1	CS-S077-1	HSSVMCB1	27	312100 J003	128	1S	R	
-																
068	SPIRE PMW Ch29 to 32 . 30+		SPB.I -		S077	021SS-38	30	077-2		HSSVMCB1	27	312100 J003	068	1S	R	
057	SPIRE PMW Ch29 to 32 . 30-		SPB.I -		S077	021SS-38	30	077-2		HSSVMCB1	27	312100 J003	057	1S	R	
128	SPIRE PMW Ch29 to 32 . SHD30		SPB.I -		S077	021SS-38	30	077-2	CS-S077-2	HSSVMCB1	27	312100 J003	128	1S	R	
-																
069	SPIRE PMW Ch29 to 32 . 31+		SPB.I -		S077	021SS-38	31	077-3		HSSVMCB1	27	312100 J003	069	1S	R	
080	SPIRE PMW Ch29 to 32 . 31-		SPB.I -		S077	021SS-38	31	077-3		HSSVMCB1	27	312100 J003	080	1S	R	
128	SPIRE PMW Ch29 to 32 . SHD31		SPB.I -		S077	021SS-38	31	077-3	CS-S077-3	HSSVMCB1	27	312100 J003	128	1S	R	
-																
070	SPIRE PMW Ch29 to 32 . 32+		SPB.I -		S077	021SS-38	32	077-4		HSSVMCB1	27	312100 J003	070	1S	R	
081	SPIRE PMW Ch29 to 32 . 32-		SPB.I -		S077	021SS-38	32	077-4		HSSVMCB1	27	312100 J003	081	1S	R	
128	SPIRE PMW Ch29 to 32 . SHD32		SPB.I -		S077	021SS-38	32	077-4	CS-S077-4	HSSVMCB1	27	312100 J003	128	1S	R	
-																
128	SPIRE PMW B04 GND Wire A2		SPX.- -		S442	010B0-30				HSSVMCB1	27	312100 J003	128	1S	R	
-																
023	SPIRE PMW Ch33 to 35 . 33+		SPB.I -		S078	021SS-38	33	078-1		HSSVMCB1	27	312100 J003	023	1S	R	
034	SPIRE PMW Ch33 to 35 . 33-		SPB.I -		S078	021SS-38	33	078-1		HSSVMCB1	27	312100 J003	034	1S	R	
004	SPIRE PMW Ch33 to 35 . SHD33		SPB.I -		S078	021SS-38	33	078-1	CS-078-1	HSSVMCB1	27	312100 J003	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PMW Ch33 to 35 . 34+		SPB.I -		S078	021SS-38	34	078-2		HSSVMCB1	27	312100 J003	033	1S	R	
045	SPIRE PMW Ch33 to 35 . 34-		SPB.I -		S078	021SS-38	34	078-2		HSSVMCB1	27	312100 J003	045	1S	R	
004	SPIRE PMW Ch33 to 35 . SHD34		SPB.I -		S078	021SS-38	34	078-2	CS-S078-2	HSSVMCB1	27	312100 J003	004	1S	R	
-																
044	SPIRE PMW Ch33 to 35 . 35+		SPB.I -		S078	021SS-38	35	078-3		HSSVMCB1	27	312100 J003	044	1S	R	
056	SPIRE PMW Ch33 to 35 . 35-		SPB.I -		S078	021SS-38	35	078-3		HSSVMCB1	27	312100 J003	056	1S	R	
004	SPIRE PMW Ch33 to 35 . SHD35		SPB.I -		S078	021SS-38	35	078-3	CS-S078-3	HSSVMCB1	27	312100 J003	004	1S	R	
-																
022	SPIRE PMW Ch36 . 36+		SPB.- -		S78A	12AXD-38	36	078-4		HSSVMCB1	27	312100 J003	022	1S	R	
032	SPIRE PMW Ch36 . 36-		SPB.- -		S78A	12AXD-38	36	078-4		HSSVMCB1	27	312100 J003	032	1S	R	
004	SPIRE PMW Ch36 . SHD36		SPB.- -		S78A	12AXD-38	36	078-4	CS-S078-4	HSSVMCB1	27	312100 J003	004	1S	R	
-																
013	SPIRE PMW Ch37 to 40 . 37+		SPB.- -		S083	12AXD-38	37	083-1		HSSVMCB1	27	312100 J003	013	1S	R	
012	SPIRE PMW Ch37 to 40 . 37-		SPB.- -		S083	12AXD-38	37	083-1		HSSVMCB1	27	312100 J003	012	1S	R	
004	SPIRE PMW Ch37 to 40 . SHD37		SPB.- -		S083	12AXD-38	37	083-1	CS-S083-1	HSSVMCB1	27	312100 J003	004	1S	R	
-																
021	SPIRE PMW Ch37 to 40 . 38+		SPB.- -		S083	12AXD-38	38	083-2		HSSVMCB1	27	312100 J003	021	1S	R	
020	SPIRE PMW Ch37 to 40 . 38-		SPB.- -		S083	12AXD-38	38	083-2		HSSVMCB1	27	312100 J003	020	1S	R	
004	SPIRE PMW Ch37 to 40 . SHD38		SPB.- -		S083	12AXD-38	38	083-2	CS-S083-2	HSSVMCB1	27	312100 J003	004	1S	R	
-																
031	SPIRE PMW Ch37 to 40 . 39+		SPB.- -		S083	12AXD-38	39	083-3		HSSVMCB1	27	312100 J003	031	1S	R	
043	SPIRE PMW Ch37 to 40 . 39-		SPB.- -		S083	12AXD-38	39	083-3		HSSVMCB1	27	312100 J003	043	1S	R	
004	SPIRE PMW Ch37 to 40 . SHD39		SPB.- -		S083	12AXD-38	39	083-3	CS-S083-3	HSSVMCB1	27	312100 J003	004	1S	R	
-																
042	SPIRE PMW Ch37 to 40 . 40+		SPB.- -		S083	12AXD-38	40	083-4		HSSVMCB1	27	312100 J003	042	1S	R	
054	SPIRE PMW Ch37 to 40 . 40-		SPB.- -		S083	12AXD-38	40	083-4		HSSVMCB1	27	312100 J003	054	1S	R	
004	SPIRE PMW Ch37 to 40 . SHD40		SPB.- -		S083	12AXD-38	40	083-4	CS-S083-4	HSSVMCB1	27	312100 J003	004	1S	R	
-																
010	SPIRE PMW Ch41 to 44 . 41+		SPB.I -		S081	021SS-38	41	081-1		HSSVMCB1	27	312100 J003	010	1S	R	
011	SPIRE PMW Ch41 to 44 . 41-		SPB.I -		S081	021SS-38	41	081-1		HSSVMCB1	27	312100 J003	011	1S	R	
004	SPIRE PMW Ch41 to 44 . SHD41		SPB.I -		S081	021SS-38	41	081-1	CS-S081-1	HSSVMCB1	27	312100 J003	004	1S	R	
-																
019	SPIRE PMW Ch41 to 44 . 42+		SPB.I -		S081	021SS-38	42	081-2		HSSVMCB1	27	312100 J003	019	1S	R	
029	SPIRE PMW Ch41 to 44 . 42-		SPB.I -		S081	021SS-38	42	081-2		HSSVMCB1	27	312100 J003	029	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P022

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PMW Ch41 to 44 . SHD42		SPB.I	-	S081	021SS-38	42	081-2	CS-S081-2	HSSVMCB1	27	312100 J003	004	1S	R	
-																
041	SPIRE PMW Ch41 to 44 . 43+		SPB.I	-	S081	021SS-38	43	081-3		HSSVMCB1	27	312100 J003	041	1S	R	
030	SPIRE PMW Ch41 to 44 . 43-		SPB.I	-	S081	021SS-38	43	081-3		HSSVMCB1	27	312100 J003	030	1S	R	
004	SPIRE PMW Ch41 to 44 . SHD43		SPB.I	-	S081	021SS-38	43	081-3	CS-S081-3	HSSVMCB1	27	312100 J003	004	1S	R	
-																
053	SPIRE PMW Ch41 to 44 . 44+		SPB.I	-	S081	021SS-38	44	081-4		HSSVMCB1	27	312100 J003	053	1S	R	
052	SPIRE PMW Ch41 to 44 . 44-		SPB.I	-	S081	021SS-38	44	081-4		HSSVMCB1	27	312100 J003	052	1S	R	
004	SPIRE PMW Ch41 to 44 . SHD44		SPB.I	-	S081	021SS-38	44	081-4	CS-S081-4	HSSVMCB1	27	312100 J003	004	1S	R	
-																
009	SPIRE PMW Ch45 to 48 . 45+		SPB.I	-	S082	021SS-38	45	082-1		HSSVMCB1	27	312100 J003	009	1S	R	
017	SPIRE PMW Ch45 to 48 . 45-		SPB.I	-	S082	021SS-38	45	082-1		HSSVMCB1	27	312100 J003	017	1S	R	
004	SPIRE PMW Ch45 to 48 . SHD45		SPB.I	-	S082	021SS-38	45	082-1	CS-S082-1	HSSVMCB1	27	312100 J003	004	1S	R	
-																
018	SPIRE PMW Ch45 to 48 . 46+		SPB.I	-	S082	021SS-38	46	082-2		HSSVMCB1	27	312100 J003	018	1S	R	
028	SPIRE PMW Ch45 to 48 . 46-		SPB.I	-	S082	021SS-38	46	082-2		HSSVMCB1	27	312100 J003	028	1S	R	
004	SPIRE PMW Ch45 to 48 . SHD46		SPB.I	-	S082	021SS-38	46	082-2	CS-S082-2	HSSVMCB1	27	312100 J003	004	1S	R	
-																
016	SPIRE PMW Ch45 to 48 . 47+		SPB.I	-	S082	021SS-38	47	082-3		HSSVMCB1	27	312100 J003	016	1S	R	
027	SPIRE PMW Ch45 to 48 . 47-		SPB.I	-	S082	021SS-38	47	082-3		HSSVMCB1	27	312100 J003	027	1S	R	
004	SPIRE PMW Ch45 to 48 . SHD47		SPB.I	-	S082	021SS-38	47	082-3	CS-S082-3	HSSVMCB1	27	312100 J003	004	1S	R	
-																
040	SPIRE PMW Ch45 to 48 . 48+		SPB.I	-	S082	021SS-38	48	082-4		HSSVMCB1	27	312100 J003	040	1S	R	
039	SPIRE PMW Ch45 to 48 . 48-		SPB.I	-	S082	021SS-38	48	082-4		HSSVMCB1	27	312100 J003	039	1S	R	
004	SPIRE PMW Ch45 to 48 . SHD48		SPB.I	-	S082	021SS-38	48	082-4	CS-S082-4	HSSVMCB1	27	312100 J003	004	1S	R	
-																
004	SPIRE PMW B04 GND Wire A4		SPX.-	-	S444	010B0-30				HSSVMCB1	27	312100 J003	004	1S	R	
-																
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
004	to be con to pin 036													1S		
047	to be con to pin 036													1S		
128	to be con to pin 036													1S		
-																

Pin Allocation List

(Harness)

Connector: 211121 P022**Function / Bundle:** UFThr 193.0° / SIH-XS-04**Conn.-Type:** 197-012P24-35SN (Plug)**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P022
Item: CVVUCR

Function / Bundle: UFThr 193.0° / SIH-XS-04

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PMW Ch01 to 04 . 1+		SPB.I -		S067	021SS-38	1	067-1		CVVUCR	33	211121 P022	026	R 1S	
037	SPIRE PMW Ch01 to 04 . 1-		SPB.I -		S067	021SS-38	1	067-1		CVVUCR	33	211121 P022	037	R 1S	
036	SPIRE PMW Ch01 to 04 . SHD01		SPB.I -		S067	021SS-38	1	067-1	CS-S067-1	CVVUCR	33	211121 P022	036	R 1S	
-														R	
038	SPIRE PMW Ch01 to 04 . 2+		SPB.I -		S067	021SS-38	2	067-2		CVVUCR	33	211121 P022	038	R 1S	
049	SPIRE PMW Ch01 to 04 . 2-		SPB.I -		S067	021SS-38	2	067-2		CVVUCR	33	211121 P022	049	R 1S	
036	SPIRE PMW Ch01 to 04 . SHD02		SPB.I -		S067	021SS-38	2	067-2	CS-S067-2	CVVUCR	33	211121 P022	036	R 1S	
-														R	
048	SPIRE PMW Ch01 to 04 . 3+		SPB.I -		S067	021SS-38	3	067-3		CVVUCR	33	211121 P022	048	R 1S	
060	SPIRE PMW Ch01 to 04 . 3-		SPB.I -		S067	021SS-38	3	067-3		CVVUCR	33	211121 P022	060	R 1S	
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.I -		S067	021SS-38	3	067-3	CS-S067-3	CVVUCR	33	211121 P022	036	R 1S	
-														R	
059	SPIRE PMW Ch01 to 04 . 4+		SPB.I -		S067	021SS-38	4	067-4		CVVUCR	33	211121 P022	059	R 1S	
071	SPIRE PMW Ch01 to 04 . 4-		SPB.I -		S067	021SS-38	4	067-4		CVVUCR	33	211121 P022	071	R 1S	
036	SPIRE PMW Ch01 to 04 . SHD04		SPB.I -		S067	021SS-38	4	067-4	CS-S067-4	CVVUCR	33	211121 P022	036	R 1S	
-														R	
050	SPIRE PMW Ch05 to 08 . 5+		SPB.I -		S068	021SS-38	5	068-1		CVVUCR	33	211121 P022	050	R 1S	
061	SPIRE PMW Ch05 to 08 . 5-		SPB.I -		S068	021SS-38	5	068-1		CVVUCR	33	211121 P022	061	R 1S	
036	SPIRE PMW Ch05 to 08 . SHD05		SPB.I -		S068	021SS-38	5	068-1	CS-S068-1	CVVUCR	33	211121 P022	036	R 1S	
-														R	
062	SPIRE PMW Ch05 to 08 . 6+		SPB.I -		S068	021SS-38	6	068-2		CVVUCR	33	211121 P022	062	R 1S	
051	SPIRE PMW Ch05 to 08 . 6-		SPB.I -		S068	021SS-38	6	068-2		CVVUCR	33	211121 P022	051	R 1S	
036	SPIRE PMW Ch05 to 08 . SHD06		SPB.I -		S068	021SS-38	6	068-2	CS-S068-2	CVVUCR	33	211121 P022	036	R 1S	
-														R	
063	SPIRE PMW Ch05 to 08 . 7+		SPB.I -		S068	021SS-38	7	068-3		CVVUCR	33	211121 P022	063	R 1S	
075	SPIRE PMW Ch05 to 08 . 7-		SPB.I -		S068	021SS-38	7	068-3		CVVUCR	33	211121 P022	075	R 1S	
036	SPIRE PMW Ch05 to 08 . SHD07		SPB.I -		S068	021SS-38	7	068-3	CS-S068-3	CVVUCR	33	211121 P022	036	R 1S	
-														R	
074	SPIRE PMW Ch05 to 08 . 8+		SPB.I -		S068	021SS-38	8	068-4		CVVUCR	33	211121 P022	074	R 1S	
073	SPIRE PMW Ch05 to 08 . 8-		SPB.I -		S068	021SS-38	8	068-4		CVVUCR	33	211121 P022	073	R 1S	
036	SPIRE PMW Ch05 to 08 . SHD08		SPB.I -		S068	021SS-38	8	068-4	CS-S068-4	CVVUCR	33	211121 P022	036	R 1S	
-														R	
083	SPIRE PMW Ch09 to 12 . 9+		SPB.I -		S069	021SS-38	9	069-1		CVVUCR	33	211121 P022	083	R 1S	
072	SPIRE PMW Ch09 to 12 . 9-		SPB.I -		S069	021SS-38	9	069-1		CVVUCR	33	211121 P022	072	R 1S	

Pin Allocation List

(Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE PMW Ch09 to 12 . SHD09		SPB.I -		S069	021SS-38	9	069-1		CS-S069-1	CVVUCR	33	211121 P022	036	R 1S
-															R
095	SPIRE PMW Ch09 to 12 . 10+		SPB.I -		S069	021SS-38	10	069-2			CVVUCR	33	211121 P022	095	R 1S
084	SPIRE PMW Ch09 to 12 . 10-		SPB.I -		S069	021SS-38	10	069-2			CVVUCR	33	211121 P022	084	R 1S
036	SPIRE PMW Ch09 to 12 . SHD10		SPB.I -		S069	021SS-38	10	069-2		CS-S069-2	CVVUCR	33	211121 P022	036	R 1S
-															R
096	SPIRE PMW Ch09 to 12 . 11+		SPB.I -		S069	021SS-38	11	069-3			CVVUCR	33	211121 P022	096	R 1S
085	SPIRE PMW Ch09 to 12 . 11-		SPB.I -		S069	021SS-38	11	069-3			CVVUCR	33	211121 P022	085	R 1S
036	SPIRE PMW Ch09 to 12 . SHD11		SPB.I -		S069	021SS-38	11	069-3		CS-S069-3	CVVUCR	33	211121 P022	036	R 1S
-															R
106	SPIRE PMW Ch09 to 12 . 12+		SPB.I -		S069	021SS-38	12	069-4			CVVUCR	33	211121 P022	106	R 1S
107	SPIRE PMW Ch09 to 12 . 12-		SPB.I -		S069	021SS-38	12	069-4			CVVUCR	33	211121 P022	107	R 1S
036	SPIRE PMW Ch09 to 12 . SHD12		SPB.I -		S069	021SS-38	12	069-4		CS-S069-4	CVVUCR	33	211121 P022	036	R 1S
-															R
086	SPIRE PMW Ch 13 to 16 . 13+		SPB.I -		S072	021SS-38	13	072-1			CVVUCR	33	211121 P022	086	R 1S
087	SPIRE PMW Ch 13 to 16 . 13-		SPB.I -		S072	021SS-38	13	072-1			CVVUCR	33	211121 P022	087	R 1S
036	SPIRE PMW Ch 13 to 16 . SHD13		SPB.I -		S072	021SS-38	13	072-1		CS-S072-1	CVVUCR	33	211121 P022	036	R 1S
-															R
097	SPIRE PMW Ch 13 to 16 . 14+		SPB.I -		S072	021SS-38	14	072-2			CVVUCR	33	211121 P022	097	R 1S
098	SPIRE PMW Ch 13 to 16 . 14-		SPB.I -		S072	021SS-38	14	072-2			CVVUCR	33	211121 P022	098	R 1S
036	SPIRE PMW Ch 13 to 16 . SHD14		SPB.I -		S072	021SS-38	14	072-2		CS-S072-2	CVVUCR	33	211121 P022	036	R 1S
-															R
108	SPIRE PMW Ch 13 to 16 . 15+		SPB.I -		S072	021SS-38	15	072-3			CVVUCR	33	211121 P022	108	R 1S
109	SPIRE PMW Ch 13 to 16 . 15-		SPB.I -		S072	021SS-38	15	072-3			CVVUCR	33	211121 P022	109	R 1S
036	SPIRE PMW Ch 13 to 16 . SHD15		SPB.I -		S072	021SS-38	15	072-3		CS-S072-3	CVVUCR	33	211121 P022	036	R 1S
-															R
116	SPIRE PMW Ch 13 to 16 . 16+		SPB.I -		S072	021SS-38	16	072-4			CVVUCR	33	211121 P022	116	R 1S
117	SPIRE PMW Ch 13 to 16 . 16-		SPB.I -		S072	021SS-38	16	072-4			CVVUCR	33	211121 P022	117	R 1S
036	SPIRE PMW Ch 13 to 16 . SHD16		SPB.I -		S072	021SS-38	16	072-4		CS-S072-4	CVVUCR	33	211121 P022	036	R 1S
-															R
036	SPIRE PMW B04 GND WIRE A1		SPX.- -		S441	010B0-30					CVVUCR	33	211121 P022	036	R 1S
-															R
055	SPIRE PMW Ch17 to 19 . 17+		SPB.I -		S073	021SS-38	17	073-1			CVVUCR	33	211121 P022	055	R 1S
066	SPIRE PMW Ch17 to 19 . 17-		SPB.I -		S073	021SS-38	17	073-1			CVVUCR	33	211121 P022	066	R 1S

Pin Allocation List

(Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PMW Ch17 to 19 . SHD17		SPB.I -		S073	021SS-38	17	073-1	CS-S073-1	CVVUCR	33	211121 P022	128	R 1S	
-														R	
067	SPIRE PMW Ch17 to 19 . 18+		SPB.I -		S073	021SS-38	18	073-2		CVVUCR	33	211121 P022	067	R 1S	
078	SPIRE PMW Ch17 to 19 . 18-		SPB.I -		S073	021SS-38	18	073-2		CVVUCR	33	211121 P022	078	R 1S	
128	SPIRE PMW Ch17 to 19 . SHD18		SPB.I -		S073	021SS-38	18	073-2	CS-S073-2	CVVUCR	33	211121 P022	128	R 1S	
-														R	
076	SPIRE PMW Ch17 to 19 . 19+		SPB.I -		S073	021SS-38	19	073-3		CVVUCR	33	211121 P022	076	R 1S	
077	SPIRE PMW Ch17 to 19 . 19-		SPB.I -		S073	021SS-38	19	073-3		CVVUCR	33	211121 P022	077	R 1S	
128	SPIRE PMW Ch17 to 19 . SHD19		SPB.I -		S073	021SS-38	19	073-3	CS-S073-3	CVVUCR	33	211121 P022	128	R 1S	
-														R	
088	SPIRE PMW Ch 20 . 20+		SPB.- -		S73A	12AXD-38	20	073-4		CVVUCR	33	211121 P022	088	R 1S	
089	SPIRE PMW Ch 20 . 20-		SPB.- -		S73A	12AXD-38	20	073-4		CVVUCR	33	211121 P022	089	R 1S	
128	SPIRE PMW Ch 20 . SHD20		SPB.- -		S73A	12AXD-38	20	073-4	CS-S073-4	CVVUCR	33	211121 P022	128	R 1S	
-														R	
099	SPIRE PMW Ch21 to 24 . 21+		SPB.I -		S074	021SS-38	21	074-1		CVVUCR	33	211121 P022	099	R 1S	
100	SPIRE PMW Ch21 to 24 . 21-		SPB.I -		S074	021SS-38	21	074-1		CVVUCR	33	211121 P022	100	R 1S	
128	SPIRE PMW Ch21 to 24 . SHD21		SPB.I -		S074	021SS-38	21	074-1	CS-S074-1	CVVUCR	33	211121 P022	128	R 1S	
-														R	
110	SPIRE PMW Ch21 to 24 . 22+		SPB.I -		S074	021SS-38	22	074-2		CVVUCR	33	211121 P022	110	R 1S	
111	SPIRE PMW Ch21 to 24 . 22-		SPB.I -		S074	021SS-38	22	074-2		CVVUCR	33	211121 P022	111	R 1S	
128	SPIRE PMW Ch21 to 24 . SHD22		SPB.I -		S074	021SS-38	22	074-2	CS-S074-2	CVVUCR	33	211121 P022	128	R 1S	
-														R	
118	SPIRE PMW Ch21 to 24 . 23+		SPB.I -		S074	021SS-38	23	074-3		CVVUCR	33	211121 P022	118	R 1S	
119	SPIRE PMW Ch21 to 24 . 23-		SPB.I -		S074	021SS-38	23	074-3		CVVUCR	33	211121 P022	119	R 1S	
128	SPIRE PMW Ch21 to 24 . SHD23		SPB.I -		S074	021SS-38	23	074-3	CS-S074-3	CVVUCR	33	211121 P022	128	R 1S	
-														R	
112	SPIRE PMW Ch21 to 24 . 24+		SPB.I -		S074	021SS-38	24	074-4		CVVUCR	33	211121 P022	112	R 1S	
120	SPIRE PMW Ch21 to 24 . 24-		SPB.I -		S074	021SS-38	24	074-4		CVVUCR	33	211121 P022	120	R 1S	
128	SPIRE PMW Ch21 to 24 . SHD24		SPB.I -		S074	021SS-38	24	074-4	CS-S074-4	CVVUCR	33	211121 P022	128	R 1S	
-														R	
090	SPIRE PMW Ch25 to 28 . 25+		SPB.I -		S076	021SS-38	25	076-1		CVVUCR	33	211121 P022	090	R 1S	
079	SPIRE PMW Ch25 to 28 . 25-		SPB.I -		S076	021SS-38	25	076-1		CVVUCR	33	211121 P022	079	R 1S	
128	SPIRE PMW Ch25 to 28 . SHD25		SPB.I -		S076	021SS-38	25	076-1	CS-S076-1	CVVUCR	33	211121 P022	128	R 1S	
-														R	

Pin Allocation List

(Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PMW Ch25 to 28 . 26+		SPB.I -		S076	021SS-38	26	076-2			CVVUCR	33	211121 P022	102	R 1S
101	SPIRE PMW Ch25 to 28 . 26-		SPB.I -		S076	021SS-38	26	076-2			CVVUCR	33	211121 P022	101	R 1S
128	SPIRE PMW Ch25 to 28 . SHD26		SPB.I -		S076	021SS-38	26	076-2	CS-S076-2		CVVUCR	33	211121 P022	128	R 1S
-															R
092	SPIRE PMW Ch25 to 28 . 27+		SPB.I -		S076	021SS-38	27	076-3			CVVUCR	33	211121 P022	092	R 1S
091	SPIRE PMW Ch25 to 28 . 27-		SPB.I -		S076	021SS-38	27	076-3			CVVUCR	33	211121 P022	091	R 1S
128	SPIRE PMW Ch25 to 28 . SHD27		SPB.I -		S076	021SS-38	27	076-3	CS-S076-3		CVVUCR	33	211121 P022	128	R 1S
-															R
103	SPIRE PMW Ch25 to 28 . 28+		SPB.I -		S076	021SS-38	28	076-4			CVVUCR	33	211121 P022	103	R 1S
113	SPIRE PMW Ch25 to 28 . 28-		SPB.I -		S076	021SS-38	28	076-4			CVVUCR	33	211121 P022	113	R 1S
128	SPIRE PMW Ch25 to 28 . SHD28		SPB.I -		S076	021SS-38	28	076-4	CS-S076-4		CVVUCR	33	211121 P022	128	R 1S
-															R
058	SPIRE PMW Ch29 to 32 . 29+		SPB.I -		S077	021SS-38	29	077-1			CVVUCR	33	211121 P022	058	R 1S
046	SPIRE PMW Ch29 to 32 . 29-		SPB.I -		S077	021SS-38	29	077-1			CVVUCR	33	211121 P022	046	R 1S
128	SPIRE PMW Ch29 to 32 . SHD29		SPB.I -		S077	021SS-38	29	077-1	CS-S077-1		CVVUCR	33	211121 P022	128	R 1S
-															R
068	SPIRE PMW Ch29 to 32 . 30+		SPB.I -		S077	021SS-38	30	077-2			CVVUCR	33	211121 P022	068	R 1S
057	SPIRE PMW Ch29 to 32 . 30-		SPB.I -		S077	021SS-38	30	077-2			CVVUCR	33	211121 P022	057	R 1S
128	SPIRE PMW Ch29 to 32 . SHD30		SPB.I -		S077	021SS-38	30	077-2	CS-S077-2		CVVUCR	33	211121 P022	128	R 1S
-															R
069	SPIRE PMW Ch29 to 32 . 31+		SPB.I -		S077	021SS-38	31	077-3			CVVUCR	33	211121 P022	069	R 1S
080	SPIRE PMW Ch29 to 32 . 31-		SPB.I -		S077	021SS-38	31	077-3			CVVUCR	33	211121 P022	080	R 1S
128	SPIRE PMW Ch29 to 32 . SHD31		SPB.I -		S077	021SS-38	31	077-3	CS-S077-3		CVVUCR	33	211121 P022	128	R 1S
-															R
070	SPIRE PMW Ch29 to 32 . 32+		SPB.I -		S077	021SS-38	32	077-4			CVVUCR	33	211121 P022	070	R 1S
081	SPIRE PMW Ch29 to 32 . 32-		SPB.I -		S077	021SS-38	32	077-4			CVVUCR	33	211121 P022	081	R 1S
128	SPIRE PMW Ch29 to 32 . SHD32		SPB.I -		S077	021SS-38	32	077-4	CS-S077-4		CVVUCR	33	211121 P022	128	R 1S
-															R
128	SPIRE PMW B04 GND Wire A2		SPX.- -		S442	010B0-30					CVVUCR	33	211121 P022	128	R 1S
-															R
023	SPIRE PMW Ch33 to 35 . 33+		SPB.I -		S078	021SS-38	33	078-1			CVVUCR	33	211121 P022	023	R 1S
034	SPIRE PMW Ch33 to 35 . 33-		SPB.I -		S078	021SS-38	33	078-1			CVVUCR	33	211121 P022	034	R 1S
004	SPIRE PMW Ch33 to 35 . SHD33		SPB.I -		S078	021SS-38	33	078-1	CS-S078-1		CVVUCR	33	211121 P022	004	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312100 J003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PMW Ch33 to 35 . 34+		SPB.I -		S078	021SS-38	34	078-2		CVVUCR	33	211121 P022	033	R 1S	
045	SPIRE PMW Ch33 to 35 . 34-		SPB.I -		S078	021SS-38	34	078-2		CVVUCR	33	211121 P022	045	R 1S	
004	SPIRE PMW Ch33 to 35 . SHD34		SPB.I -		S078	021SS-38	34	078-2	CS-S078-2	CVVUCR	33	211121 P022	004	R 1S	
-														R	
044	SPIRE PMW Ch33 to 35 . 35+		SPB.I -		S078	021SS-38	35	078-3		CVVUCR	33	211121 P022	044	R 1S	
056	SPIRE PMW Ch33 to 35 . 35-		SPB.I -		S078	021SS-38	35	078-3		CVVUCR	33	211121 P022	056	R 1S	
004	SPIRE PMW Ch33 to 35 . SHD35		SPB.I -		S078	021SS-38	35	078-3	CSS078-3	CVVUCR	33	211121 P022	004	R 1S	
-														R	
022	SPIRE PMW Ch36 . 36+		SPB.- -		S78A	12AXD-38	36	078-4		CVVUCR	33	211121 P022	022	R 1S	
032	SPIRE PMW Ch36 . 36-		SPB.- -		S78A	12AXD-38	36	078-4		CVVUCR	33	211121 P022	032	R 1S	
004	SPIRE PMW Ch36 . SHD36		SPB.- -		S78A	12AXD-38	36	078-4	CS-S078-4	CVVUCR	33	211121 P022	004	R 1S	
-														R	
013	SPIRE PMW Ch37 to 40 . 37+		SPB.- -		S083	12AXD-38	37	083-1		CVVUCR	33	211121 P022	013	R 1S	
012	SPIRE PMW Ch37 to 40 . 37-		SPB.- -		S083	12AXD-38	37	083-1		CVVUCR	33	211121 P022	012	R 1S	
004	SPIRE PMW Ch37 to 40 . SHD37		SPB.- -		S083	12AXD-38	37	083-1	CS-S083-1	CVVUCR	33	211121 P022	004	R 1S	
-														R	
021	SPIRE PMW Ch37 to 40 . 38+		SPB.- -		S083	12AXD-38	38	083-2		CVVUCR	33	211121 P022	021	R 1S	
020	SPIRE PMW Ch37 to 40 . 38-		SPB.- -		S083	12AXD-38	38	083-2		CVVUCR	33	211121 P022	020	R 1S	
004	SPIRE PMW Ch37 to 40 . SHD38		SPB.- -		S083	12AXD-38	38	083-2	CS-S083-2	CVVUCR	33	211121 P022	004	R 1S	
-														R	
031	SPIRE PMW Ch37 to 40 . 39+		SPB.- -		S083	12AXD-38	39	083-3		CVVUCR	33	211121 P022	031	R 1S	
043	SPIRE PMW Ch37 to 40 . 39-		SPB.- -		S083	12AXD-38	39	083-3		CVVUCR	33	211121 P022	043	R 1S	
004	SPIRE PMW Ch37 to 40 . SHD39		SPB.- -		S083	12AXD-38	39	083-3	CS-S083-3	CVVUCR	33	211121 P022	004	R 1S	
-														R	
042	SPIRE PMW Ch37 to 40 . 40+		SPB.- -		S083	12AXD-38	40	083-4		CVVUCR	33	211121 P022	042	R 1S	
054	SPIRE PMW Ch37 to 40 . 40-		SPB.- -		S083	12AXD-38	40	083-4		CVVUCR	33	211121 P022	054	R 1S	
004	SPIRE PMW Ch37 to 40 . SHD40		SPB.- -		S083	12AXD-38	40	083-4	CS-S083-4	CVVUCR	33	211121 P022	004	R 1S	
-														R	
010	SPIRE PMW Ch41 to 44 . 41+		SPB.I -		S081	021SS-38	41	081-1		CVVUCR	33	211121 P022	010	R 1S	
011	SPIRE PMW Ch41 to 44 . 41-		SPB.I -		S081	021SS-38	41	081-1		CVVUCR	33	211121 P022	011	R 1S	
004	SPIRE PMW Ch41 to 44 . SHD41		SPB.I -		S081	021SS-38	41	081-1	CS-S081-1	CVVUCR	33	211121 P022	004	R 1S	
-														R	
019	SPIRE PMW Ch41 to 44 . 42+		SPB.I -		S081	021SS-38	42	081-2		CVVUCR	33	211121 P022	019	R 1S	
029	SPIRE PMW Ch41 to 44 . 42-		SPB.I -		S081	021SS-38	42	081-2		CVVUCR	33	211121 P022	029	R 1S	

Pin Allocation List (Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PMW Ch41 to 44 . SHD42		SPB.I	-	S081	021SS-38	42	081-2		CS-S081-2	CVVUCR	33	211121 P022	004	R 1S
-															R
041	SPIRE PMW Ch41 to 44 . 43+		SPB.I	-	S081	021SS-38	43	081-3			CVVUCR	33	211121 P022	041	R 1S
030	SPIRE PMW Ch41 to 44 . 43-		SPB.I	-	S081	021SS-38	43	081-3			CVVUCR	33	211121 P022	030	R 1S
004	SPIRE PMW Ch41 to 44 . SHD43		SPB.I	-	S081	021SS-38	43	081-3		CS-S081-3	CVVUCR	33	211121 P022	004	R 1S
-															R
053	SPIRE PMW Ch41 to 44 . 44+		SPB.I	-	S081	021SS-38	44	081-4			CVVUCR	33	211121 P022	053	R 1S
052	SPIRE PMW Ch41 to 44 . 44-		SPB.I	-	S081	021SS-38	44	081-4			CVVUCR	33	211121 P022	052	R 1S
004	SPIRE PMW Ch41 to 44 . SHD44		SPB.I	-	S081	021SS-38	44	081-4		CS-S081-4	CVVUCR	33	211121 P022	004	R 1S
-															R
009	SPIRE PMW Ch45 to 48 . 45+		SPB.I	-	S082	021SS-38	45	082-1			CVVUCR	33	211121 P022	009	R 1S
017	SPIRE PMW Ch45 to 48 . 45-		SPB.I	-	S082	021SS-38	45	082-1			CVVUCR	33	211121 P022	017	R 1S
004	SPIRE PMW Ch45 to 48 . SHD45		SPB.I	-	S082	021SS-38	45	082-1		CS-S082-1	CVVUCR	33	211121 P022	004	R 1S
-															R
018	SPIRE PMW Ch45 to 48 . 46+		SPB.I	-	S082	021SS-38	46	082-2			CVVUCR	33	211121 P022	018	R 1S
028	SPIRE PMW Ch45 to 48 . 46-		SPB.I	-	S082	021SS-38	46	082-2			CVVUCR	33	211121 P022	028	R 1S
004	SPIRE PMW Ch45 to 48 . SHD46		SPB.I	-	S082	021SS-38	46	082-2		CS-S082-2	CVVUCR	33	211121 P022	004	R 1S
-															R
016	SPIRE PMW Ch45 to 48 . 47+		SPB.I	-	S082	021SS-38	47	082-3			CVVUCR	33	211121 P022	016	R 1S
027	SPIRE PMW Ch45 to 48 . 47-		SPB.I	-	S082	021SS-38	47	082-3			CVVUCR	33	211121 P022	027	R 1S
004	SPIRE PMW Ch45 to 48 . SHD47		SPB.I	-	S082	021SS-38	47	082-3		CS-S082-3	CVVUCR	33	211121 P022	004	R 1S
-															R
040	SPIRE PMW Ch45 to 48 . 48+		SPB.I	-	S082	021SS-38	48	082-4			CVVUCR	33	211121 P022	040	R 1S
039	SPIRE PMW Ch45 to 48 . 48-		SPB.I	-	S082	021SS-38	48	082-4			CVVUCR	33	211121 P022	039	R 1S
004	SPIRE PMW Ch45 to 48 . SHD48		SPB.I	-	S082	021SS-38	48	082-4		CS-S082-4	CVVUCR	33	211121 P022	004	R 1S
-															R
004	SPIRE PMW B04 GND Wire A4		SPX.-	-	S444	010B0-30					CVVUCR	33	211121 P022	004	R 1S
-															R
036	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
004	to be con to pin 036														1S
047	to be con to pin 036														1S
128	to be con to pin 036														1S
-															R

Pin Allocation List (Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
002	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
003	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
005	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
006	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
007	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
008	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
014	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
015	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
024	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
025	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
035	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
082	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
093	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
094	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
104	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
105	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
114	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
115	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
121	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
122	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
123	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
124	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
125	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
126	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
127	to be con as part of FCR								Faraday Cage Ring (FCR)					R	
-														R	
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS					R	
-														R	
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS					R	
-														1S	

Pin Allocation List (Harness)

Connector: 312100 J003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PMW Ch01-04 . 1+		SPB.I -		S085	021SS-38	1	085-1		HSSVMCB1	27	312100 J002	026	1S	R	
037	SPIRE PMW Ch01-04 . 1-		SPB.I -		S085	021SS-38	1	085-1		HSSVMCB1	27	312100 J002	037	1S	R	
036	SPIRE PMW Ch01-04 . SHD01		SPB.I -		S085	021SS-38	1	085-1	CS-S085-1	HSSVMCB1	27	312100 J002	036	1S	R	
-																
038	SPIRE PMW Ch01-04 . 2+		SPB.I -		S085	021SS-38	2	085-2		HSSVMCB1	27	312100 J002	038	1S	R	
049	SPIRE PMW Ch01-04 . 2-		SPB.I -		S085	021SS-38	2	085-2		HSSVMCB1	27	312100 J002	049	1S	R	
036	SPIRE PMW Ch01-04 . SHD02		SPB.I -		S085	021SS-38	2	085-2	CS-S085-2	HSSVMCB1	27	312100 J002	036	1S	R	
-																
048	SPIRE PMW Ch01-04 . 3+		SPB.I -		S085	021SS-38	3	085-3		HSSVMCB1	27	312100 J002	048	1S	R	
060	SPIRE PMW Ch01-04 . 3-		SPB.I -		S085	021SS-38	3			HSSVMCB1	27	312100 J002	060	1S	R	
036	SPIRE PMW Ch01-04 . SHD03		SPB.I -		S085	021SS-38	3	085-3	CS-S085-3	HSSVMCB1	27	312100 J002	036	1S	R	
-																
059	SPIRE PMW Ch01-04 . 4+		SPB.I -		S085	021SS-38	4	085-4		HSSVMCB1	27	312100 J002	059	1S	R	
071	SPIRE PMW Ch01-04 . 4-		SPB.I -		S085	021SS-38	4	085-4		HSSVMCB1	27	312100 J002	071	1S	R	
036	SPIRE PMW Ch01-04 . SHD04		SPB.I -		S085	021SS-38	4	085-4	CS-S085-4	HSSVMCB1	27	312100 J002	036	1S	R	
-																
050	SPIRE PMW Ch05-08 . 5+		SPB.I -		S086	021SS-38	5	086-1		HSSVMCB1	27	312100 J002	050	1S	R	
061	SPIRE PMW Ch05-08 . 5-		SPB.I -		S086	021SS-38	5	086-1		HSSVMCB1	27	312100 J002	061	1S	R	
036	SPIRE PMW Ch05-08 . SHD05		SPB.I -		S086	021SS-38	5	086-1	CS-S086-1	HSSVMCB1	27	312100 J002	036	1S	R	
-																
062	SPIRE PMW Ch05-08 . 6+		SPB.I -		S086	021SS-38	6	086-2		HSSVMCB1	27	312100 J002	062	1S	R	
051	SPIRE PMW Ch05-08 . 6-		SPB.I -		S086	021SS-38	6	086-2		HSSVMCB1	27	312100 J002	051	1S	R	
036	SPIRE PMW Ch05-08 . SHD06		SPB.I -		S086	021SS-38	6	086-2	CS-S086-2	HSSVMCB1	27	312100 J002	036	1S	R	
-																
063	SPIRE PMW Ch05-08 . 7+		SPB.I -		S086	021SS-38	7	086-3		HSSVMCB1	27	312100 J002	063	1S	R	
075	SPIRE PMW Ch05-08 . 7-		SPB.I -		S086	021SS-38	7	086-3		HSSVMCB1	27	312100 J002	075	1S	R	
036	SPIRE PMW Ch05-08 . SHD07		SPB.I -		S086	021SS-38	7	086-3	CS-S086-3	HSSVMCB1	27	312100 J002	036	1S	R	
-																
074	SPIRE PMW Ch05-08 . 8+		SPB.I -		S086	021SS-38	8	086-4		HSSVMCB1	27	312100 J002	074	1S	R	
073	SPIRE PMW Ch05-08 . 8-		SPB.I -		S086	021SS-38	8	086-4		HSSVMCB1	27	312100 J002	073	1S	R	
036	SPIRE PMW Ch05-08 . SHD08		SPB.I -		S086	021SS-38	8	086-4	CS-S086-4	HSSVMCB1	27	312100 J002	036	1S	R	
-																
083	SPIRE PMW Ch09-12 . 9+		SPB.I -		S087	021SS-38	9	087-1		HSSVMCB1	27	312100 J002	083	1S	R	
072	SPIRE PMW Ch09-12 . 9-		SPB.I -		S087	021SS-38	9	087-1		HSSVMCB1	27	312100 J002	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P023

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PMW Ch09-12 . SHD09		SPB.I	-	S087	021SS-38	9	087-1	CS-S087-1	HSSVMCB1	27	312100 J002	036	1S	R	
-																
095	SPIRE PMW Ch09-12 . 10+		SPB.I	-	S087	021SS-38	10	087-2		HSSVMCB1	27	312100 J002	095	1S	R	
084	SPIRE PMW Ch09-12 . 10-		SPB.I	-	S087	021SS-38	10	087-2		HSSVMCB1	27	312100 J002	084	1S	R	
036	SPIRE PMW Ch09-12 . SHD10		SPB.I	-	S087	021SS-38	10	087-2	CS-S087-2	HSSVMCB1	27	312100 J002	036	1S	R	
-																
096	SPIRE PMW Ch09-12 . 11+		SPB.I	-	S087	021SS-38	11	087-3		HSSVMCB1	27	312100 J002	096	1S	R	
085	SPIRE PMW Ch09-12 . 11-		SPB.I	-	S087	021SS-38	11	087-3		HSSVMCB1	27	312100 J002	085	1S	R	
036	SPIRE PMW Ch09-12 . SHD11		SPB.I	-	S087	021SS-38	11	087-3	CS-S087-3	HSSVMCB1	27	312100 J002	036	1S	R	
-																
106	SPIRE PMW Ch09-12 . 12+		SPB.I	-	S087	021SS-38	12	087-4		HSSVMCB1	27	312100 J002	106	1S	R	
107	SPIRE PMW Ch09-12 . 12-		SPB.I	-	S087	021SS-38	12	087-4		HSSVMCB1	27	312100 J002	107	1S	R	
036	SPIRE PMW Ch09-12 . SHD12		SPB.I	-	S087	021SS-38	12	087-4	CS-S087-4	HSSVMCB1	27	312100 J002	036	1S	R	
-																
086	SPIRE PMW Ch13-16 . 13+		SPB.I	-	S090	021SS-38	13	090-1		HSSVMCB1	27	312100 J002	086	1S	R	
087	SPIRE PMW Ch13-16 . 13-		SPB.I	-	S090	021SS-38	13	090-1		HSSVMCB1	27	312100 J002	087	1S	R	
036	SPIRE PMW Ch13-16 . SHD13		SPB.I	-	S090	021SS-38	13	090-1	CS-S090-1	HSSVMCB1	27	312100 J002	036	1S	R	
-																
097	SPIRE PMW Ch13-16 . 14+		SPB.I	-	S090	021SS-38	14	090-2		HSSVMCB1	27	312100 J002	097	1S	R	
098	SPIRE PMW Ch13-16 . 14-		SPB.I	-	S090	021SS-38	14	090-2		HSSVMCB1	27	312100 J002	098	1S	R	
036	SPIRE PMW Ch13-16 . SHD14		SPB.I	-	S090	021SS-38	14	090-2	CS-S090-2	HSSVMCB1	27	312100 J002	036	1S	R	
-																
108	SPIRE PMW Ch13-16 . 15+		SPB.I	-	S090	021SS-38	15	090-3		HSSVMCB1	27	312100 J002	108	1S	R	
109	SPIRE PMW Ch13-16 . 15-		SPB.I	-	S090	021SS-38	15	090-3		HSSVMCB1	27	312100 J002	109	1S	R	
036	SPIRE PMW Ch13-16 . SHD15		SPB.I	-	S090	021SS-38	15	090-3	CS-S090-3	HSSVMCB1	27	312100 J002	036	1S	R	
-																
116	SPIRE PMW Ch13-16 . 16+		SPB.I	-	S090	021SS-38	16	090-4		HSSVMCB1	27	312100 J002	116	1S	R	
117	SPIRE PMW Ch13-16 . 16-		SPB.I	-	S090	021SS-38	16	090-4		HSSVMCB1	27	312100 J002	117	1S	R	
036	SPIRE PMW Ch13-16 . SHD16		SPB.I	-	S090	021SS-38	16	090-4	CS-S090-4	HSSVMCB1	27	312100 J002	036	1S	R	
-																
036	SPIRE PMW B05 GND WIRE A1		SPX.-	-	S451	010B0-30				HSSVMCB1	27	312100 J002	036	1S	R	
-																
055	SPIRE PMW Ch17-20 . 17+		SPB.I	-	S091	021SS-38	17	091-1		HSSVMCB1	27	312100 J002	055	1S	R	
066	SPIRE PMW Ch17-20 . 17-		SPB.I	-	S091	021SS-38	17	091-1		HSSVMCB1	27	312100 J002	066	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PMW Ch17-20 . SHD17		SPB.I -		S091	021SS-38	17	091-1	CS-S091-1	HSSVMCB1	27	312100 J002	128	1S	R	
-																
067	SPIRE PMW Ch17-20 . 18+		SPB.I -		S091	021SS-38	18	091-2		HSSVMCB1	27	312100 J002	067	1S	R	
078	SPIRE PMW Ch17-20 . 18-		SPB.I -		S091	021SS-38	18	091-2		HSSVMCB1	27	312100 J002	078	1S	R	
128	SPIRE PMW Ch17-20 . SHD18		SPB.I -		S091	021SS-38	18	091-2	CS-S091-2	HSSVMCB1	27	312100 J002	128	1S	R	
-																
076	SPIRE PMW Ch17-20 . 19+		SPB.I -		S091	021SS-38	19	091-3		HSSVMCB1	27	312100 J002	076	1S	R	
077	SPIRE PMW Ch17-20 . 19-		SPB.I -		S091	021SS-38	19	091-3		HSSVMCB1	27	312100 J002	077	1S	R	
128	SPIRE PMW Ch17-20 . SHD19		SPB.I -		S091	021SS-38	19	091-3	CS-S091-3	HSSVMCB1	27	312100 J002	128	1S	R	
-																
088	SPIRE PMW Ch17-20 . 20+		SPB.I -		S091	021SS-38	20	091-4		HSSVMCB1	27	312100 J002	088	1S	R	
089	SPIRE PMW Ch17-20 . 20-		SPB.I -		S091	021SS-38	20	091-4		HSSVMCB1	27	312100 J002	089	1S	R	
128	SPIRE PMW Ch17-20 . SHD20		SPB.I -		S091	021SS-38	20	091-4	CS-S091-4	HSSVMCB1	27	312100 J002	128	1S	R	
-																
099	SPIRE PMW Ch21-24 . 21+		SPB.I -		S092	021SS-38	21	092-1		HSSVMCB1	27	312100 J002	099	1S	R	
100	SPIRE PMW Ch21-24 . 21-		SPB.I -		S092	021SS-38	21	092-1		HSSVMCB1	27	312100 J002	100	1S	R	
128	SPIRE PMW Ch21-24 . SHD21		SPB.I -		S092	021SS-38	21	092-1	CS-S092-1	HSSVMCB1	27	312100 J002	128	1S	R	
-																
110	SPIRE PMW Ch21-24 . 22+		SPB.I -		S092	021SS-38	22	092-2		HSSVMCB1	27	312100 J002	110	1S	R	
111	SPIRE PMW Ch21-24 . 22-		SPB.I -		S092	021SS-38	22	092-2		HSSVMCB1	27	312100 J002	111	1S	R	
128	SPIRE PMW Ch21-24 . SHD22		SPB.I -		S092	021SS-38	22	092-2	CS-092-2	HSSVMCB1	27	312100 J002	128	1S	R	
-																
118	SPIRE PMW Ch21-24 . 23+		SPB.I -		S092	021SS-38	23	092-3		HSSVMCB1	27	312100 J002	118	1S	R	
119	SPIRE PMW Ch21-24 . 23-		SPB.I -		S092	021SS-38	23	092-3		HSSVMCB1	27	312100 J002	119	1S	R	
128	SPIRE PMW Ch21-24 . 23gnd		SPB.I -		S092	021SS-38	23	092-3	CS-S092-3	HSSVMCB1	27	312100 J002	128	1S	R	
-																
112	SPIRE PMW Ch21-24 . 24+		SPB.I -		S092	021SS-38	24	092-4		HSSVMCB1	27	312100 J002	112	1S	R	
120	SPIRE PMW Ch21-24 . 24-		SPB.I -		S092	021SS-38	24	092-4		HSSVMCB1	27	312100 J002	120	1S	R	
128	SPIRE PMW Ch21-24 . SHD24		SPB.I -		S092	021SS-38	24	092-4	CS-S092-4	HSSVMCB1	27	312100 J002	128	1S	R	
-																
090	SPIRE PMW Ch25-28 . 25+		SPB.I -		S094	021SS-38	25	094-1		HSSVMCB1	27	312100 J002	090	1S	R	
079	SPIRE PMW Ch25-28 . 25-		SPB.I -		S094	021SS-38	25	094-1		HSSVMCB1	27	312100 J002	079	1S	1S	
128	SPIRE PMW Ch25-28 . SHD25		SPB.I -		S094	021SS-38	25	094-1	CS-S094-1	HSSVMCB1	27	312100 J002	128	1S	R	
-																

Pin Allocation List (Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PMW Ch25-28 . 26+		SPB.I -		S094	021SS-38	26	094-2		HSSVMCB1	27	312100 J002	102	1S	R	
101	SPIRE PMW Ch25-28 . 26-		SPB.I -		S094	021SS-38	26	094-2		HSSVMCB1	27	312100 J002	101	1S	R	
128	SPIRE PMW Ch25-28 . SHD26		SPB.I -		S094	021SS-38	26	094-2	CS-S094-2	HSSVMCB1	27	312100 J002	128	1S	R	
-																
092	SPIRE PMW Ch25-28 . 27+		SPB.I -		S094	021SS-38	27	094-3		HSSVMCB1	27	312100 J002	092	1S	R	
091	SPIRE PMW Ch25-28 . 27-		SPB.I -		S094	021SS-38	27	094-3		HSSVMCB1	27	312100 J002	091	1S	R	
128	SPIRE PMW Ch25-28 . SHD27		SPB.I -		S094	021SS-38	27	094-3	CSS-094-3	HSSVMCB1	27	312100 J002	128	1S	R	
-																
103	SPIRE PMW Ch25-28 . 28+		SPB.I -		S094	021SS-38	28	094-4		HSSVMCB1	27	312100 J002	103	1S	R	
113	SPIRE PMW Ch25-28 . 28-		SPB.I -		S094	021SS-38	28	094-4		HSSVMCB1	27	312100 J002	113	1S	R	
128	SPIRE PMW Ch25-28 . SHD28		SPB.I -		S094	021SS-38	28	094-4	CS-S094-4	HSSVMCB1	27	312100 J002	128	1S	R	
-																
058	SPIRE PMW Ch29-32 . 29+		SPB.I -		S095	021SS-38	29	095-1		HSSVMCB1	27	312100 J002	058	1S	R	
046	SPIRE PMW Ch29-32 . 29-		SPB.I -		S095	021SS-38	29	095-1		HSSVMCB1	27	312100 J002	046	1S	R	
128	SPIRE PMW Ch29-32 . SHD29		SPB.I -		S095	021SS-38	29	095-1	CS-S095-1	HSSVMCB1	27	312100 J002	128	1S	R	
-																
068	SPIRE PMW Ch29-32 . 30+		SPB.I -		S095	021SS-38	30	095-2		HSSVMCB1	27	312100 J002	068	1S	R	
057	SPIRE PMW Ch29-32 . 30-		SPB.I -		S095	021SS-38	30	095-2		HSSVMCB1	27	312100 J002	057	1S	R	
128	SPIRE PMW Ch29-32 . SHD30		SPB.I -		S095	021SS-38	30	095-2	CSS-095-2	HSSVMCB1	27	312100 J002	128	1S	R	
-																
069	SPIRE PMW Ch29-32 . 31+		SPB.I -		S095	021SS-38	31	095-3		HSSVMCB1	27	312100 J002	069	1S	R	
080	SPIRE PMW Ch29-32 . 31-		SPB.I -		S095	021SS-38	31	095-3		HSSVMCB1	27	312100 J002	080	1S	R	
128	SPIRE PMW Ch29-32 . SHD31		SPB.I -		S095	021SS-38	31	095-3	CS-S095-3	HSSVMCB1	27	312100 J002	128	1S	R	
-																
070	SPIRE PMW Ch29-32 . 32+		SPB.I -		S095	021SS-38	32	095-4		HSSVMCB1	27	312100 J002	070	1S	R	
081	SPIRE PMW Ch29-32 . 32-		SPB.I -		S095	021SS-38	32	095-4		HSSVMCB1	27	312100 J002	081	1S	R	
128	SPIRE PMW Ch29-32 . SHD32		SPB.I -		S095	021SS-38	32	095-4	CS-S095-4	HSSVMCB1	27	312100 J002	128	1S	R	
-																
128	SPIRE PMW B05 GND WIRE A2		SPX.- -		S452	010B0-30				HSSVMCB1	27	312100 J002	128	1S	R	
-														1S		
023	SPIRE PMW Ch33-36 . 33+		SPB.I -		S096	021SS-38	33	096-1		HSSVMCB1	27	312100 J002	023	1S	R	
034	SPIRE PMW Ch33-36 . 33-		SPB.I -		S096	021SS-38	33	096-1		HSSVMCB1	27	312100 J002	034	1S	R	
004	SPIRE PMW Ch33-36 . SHD33		SPB.I -		S096	021SS-38	33	096-1	CS-S096-1	HSSVMCB1	27	312100 J002	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PMW Ch33-36 . 34+		SPB.I -		S096	021SS-38	34	096-2		HSSVMCB1	27	312100 J002	033	1S	R	
045	SPIRE PMW Ch33-36 . 34-		SPB.I -		S096	021SS-38	34	096-2		HSSVMCB1	27	312100 J002	045	1S	R	
004	SPIRE PMW Ch33-36 . SHD34		SPB.I -		S096	021SS-38	34	096-2	CS-S096-2	HSSVMCB1	27	312100 J002	004	1S	R	
-																
044	SPIRE PMW Ch33-36 . 35+		SPB.I -		S096	021SS-38	35	096-3		HSSVMCB1	27	312100 J002	044	1S	R	
056	SPIRE PMW Ch33-36 . 35-		SPB.I -		S096	021SS-38	35	096-3		HSSVMCB1	27	312100 J002	056	1S	R	
004	SPIRE PMW Ch33-36 . SHD35		SPB.I -		S096	021SS-38	35	096-3	CSS096-3	HSSVMCB1	27	312100 J002	004	1S	R	
-																
022	SPIRE PMW Ch33-36 . 36+		SPB.I -		S096	021SS-38	36	096-4		HSSVMCB1	27	312100 J002	022	1S	R	
032	SPIRE PMW Ch33-36 . 36-		SPB.I -		S096	021SS-38	36	096-4		HSSVMCB1	27	312100 J002	032	1S	R	
004	SPIRE PMW Ch33-36 . SHD36		SPB.I -		S096	021SS-38	36	096-4	CS-S096-4	HSSVMCB1	27	312100 J002	004	1S	R	
-														1S		
013	SPIRE PMW Ch37-40 . 37+		SPB.I -		S099	021SS-38	37	099-1		HSSVMCB1	27	312100 J002	013	1S	R	
012	SPIRE PMW Ch37-40 . 37-		SPB.I -		S099	021SS-38	37	099-1		HSSVMCB1	27	312100 J002	012	1S	R	
004	SPIRE PMW Ch37-40 . 37gnd		SPB.I -		S099	021SS-38	37	099-1	CS-S099-1	HSSVMCB1	27	312100 J002	004	1S	R	
-																
021	SPIRE PMW Ch37-40 . 38+		SPB.I -		S099	021SS-38	38	099-2		HSSVMCB1	27	312100 J002	021	1S	R	
020	SPIRE PMW Ch37-40 . 38-		SPB.I -		S099	021SS-38	38	099-2		HSSVMCB1	27	312100 J002	020	1S	R	
004	SPIRE PMW Ch37-40 . SHD38		SPB.I -		S099	021SS-38	38	099-2	CS-S099-2	HSSVMCB1	27	312100 J002	004	1S	R	
-																
031	SPIRE PMW Ch37-40 . 39+		SPB.I -		S099	021SS-38	39	099-3		HSSVMCB1	27	312100 J002	031	1S	R	
043	SPIRE PMW Ch37-40 . 39-		SPB.I -		S099	021SS-38	39	099-3		HSSVMCB1	27	312100 J002	043	1S	R	
004	SPIRE PMW Ch37-40 . SHD39		SPB.I -		S099	021SS-38	39	099-3	CS-S099-3	HSSVMCB1	27	312100 J002	004	1S	R	
-																
042	SPIRE PMW Ch37-40 . 40+		SPB.I -		S099	021SS-38	40	099-4		HSSVMCB1	27	312100 J002	042	1S	R	
054	SPIRE PMW Ch37-40 . 40-		SPB.I -		S099	021SS-38	40	099-4		HSSVMCB1	27	312100 J002	054	1S	R	
004	SPIRE PMW Ch37-40 . SHD40		SPB.I -		S099	021SS-38	40	099-4	CS-S099-4	HSSVMCB1	27	312100 J002	004	1S	R	
-																
010	SPIRE PMW Ch41-44 . 41+		SPB.I -		S100	021SS-38	41	100-1		HSSVMCB1	27	312100 J002	010	1S	R	
011	SPIRE PMW Ch41-44 . 41-		SPB.I -		S100	021SS-38	41	100-1		HSSVMCB1	27	312100 J002	011	1S	R	
004	SPIRE PMW Ch41-44 . SHD41		SPB.I -		S100	021SS-38	41	100-1	CS-S100-1	HSSVMCB1	27	312100 J002	004	1S	R	
-																
019	SPIRE PMW Ch41-44 . 42+		SPB.I -		S100	021SS-38	42	100-2		HSSVMCB1	27	312100 J002	019	1S	R	
029	SPIRE PMW Ch41-44 . 42-		SPB.I -		S100	021SS-38	42	100-2		HSSVMCB1	27	312100 J002	029	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PMW Ch41-44 . SHD42		SPB.I	-	S100	021SS-38	42	100-2	CS-S100-2	HSSVMCB1	27	312100 J002	004	1S	R	
-																
041	SPIRE PMW Ch41-44 . 43+		SPB.I	-	S100	021SS-38	43	100-3		HSSVMCB1	27	312100 J002	041	1S	R	
030	SPIRE PMW Ch41-44 . 43-		SPB.I	-	S100	021SS-38	43	100-3		HSSVMCB1	27	312100 J002	030	1S	R	
004	SPIRE PMW Ch41-44 . SHD43		SPB.I	-	S100	021SS-38	43	100-3	CS-S100-3	HSSVMCB1	27	312100 J002	004	1S	R	
-																
053	SPIRE PMW Ch41-44 . 44+		SPB.I	-	S100	021SS-38	44	100-4		HSSVMCB1	27	312100 J002	053	1S	R	
052	SPIRE PMW Ch41-44 . 44-		SPB.I	-	S100	021SS-38	44	100-4		HSSVMCB1	27	312100 J002	052	1S	R	
004	SPIRE PMW Ch41-44 . SHD44		SPB.I	-	S100	021SS-38	44	100-4	CS-S100-4	HSSVMCB1	27	312100 J002	004	1S	R	
-																
009	SPIRE PMW Ch45-48 . 45+		SPB.I	-	S101	021SS-38	45	101-1		HSSVMCB1	27	312100 J002	009	1S	R	
017	SPIRE PMW Ch45-48 . 45-		SPB.I	-	S101	021SS-38	45	101-1		HSSVMCB1	27	312100 J002	017	1S	R	
004	SPIRE PMW Ch45-48 . SHD45		SPB.I	-	S101	021SS-38	45	101-1	CSS-101-1	HSSVMCB1	27	312100 J002	004	1S	R	
-																
018	SPIRE PMW Ch45-48 . 46+		SPB.I	-	S101	021SS-38	46	101-2		HSSVMCB1	27	312100 J002	018	1S	R	
028	SPIRE PMW Ch45-48 . 46-		SPB.I	-	S101	021SS-38	46	101-2		HSSVMCB1	27	312100 J002	028	1S	R	
004	SPIRE PMW Ch45-48 . SHD46		SPB.I	-	S101	021SS-38	46	101-2	CS-S101-2	HSSVMCB1	27	312100 J002	004	1S	R	
-																
016	SPIRE PMW Ch45-48 . 47+		SPB.I	-	S101	021SS-38	47	101-3		HSSVMCB1	27	312100 J002	016	1S	R	
027	SPIRE PMW Ch45-48 . 47-		SPB.I	-	S101	021SS-38	47	101-3		HSSVMCB1	27	312100 J002	027	1S	R	
004	SPIRE PMW Ch45-48 . SHD47		SPB.I	-	S101	021SS-38	47	101-3	CS-S101-3	HSSVMCB1	27	312100 J002	004	1S	R	
-																
040	SPIRE PMW Ch45-48 . 48+		SPB.I	-	S101	021SS-38	48	101-4		HSSVMCB1	27	312100 J002	040	1S	R	
039	SPIRE PMW Ch45-48 . 48-		SPB.I	-	S101	021SS-38	48	101-4		HSSVMCB1	27	312100 J002	039	1S	R	
004	SPIRE PMW Ch45-48 . SHD48		SPB.I	-	S101	021SS-38	48	101-4	CS-S101-4	HSSVMCB1	27	312100 J002	004	1S	R	
-																
004	SPIRE PMW B05 GND WIRE A4		SPX.-	-	S454	010B0-30				HSSVMCB1	27	312100 J002	004	1S	R	
-																
047	SPIRE PMW B05 GND WIRE A3		SPX.-	-	S453	010B0-30				HSSVMCB1	27	312100 J002	047	1S	R	
-														1S		
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
004	to be con to pin 036													1S		
047	to be con to pin 036													1S		

Pin Allocation List (Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P023
Item: CVVUCR

Function / Bundle: UFThr 199.2° / SIH-XS-05

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PMW Ch01-04 . 1+		SPB.I -		S085	021SS-38	1	085-1			CVVUCR	33	211121 P023	026	R 1S
037	SPIRE PMW Ch01-04 . 1-		SPB.I -		S085	021SS-38	1	085-1			CVVUCR	33	211121 P023	037	R 1S
036	SPIRE PMW Ch01-04 . SHD01		SPB.I -		S085	021SS-38	1	085-1	CS-S085-1		CVVUCR	33	211121 P023	036	R 1S
-															R
038	SPIRE PMW Ch01-04 . 2+		SPB.I -		S085	021SS-38	2	085-2			CVVUCR	33	211121 P023	038	R 1S
049	SPIRE PMW Ch01-04 . 2-		SPB.I -		S085	021SS-38	2	085-2			CVVUCR	33	211121 P023	049	R 1S
036	SPIRE PMW Ch01-04 . SHD02		SPB.I -		S085	021SS-38	2	085-2	CS-S085-2		CVVUCR	33	211121 P023	036	R 1S
-															R
048	SPIRE PMW Ch01-04 . 3+		SPB.I -		S085	021SS-38	3	085-3			CVVUCR	33	211121 P023	048	R 1S
060	SPIRE PMW Ch01-04 . 3-		SPB.I -		S085	021SS-38	3				CVVUCR	33	211121 P023	060	R 1S
036	SPIRE PMW Ch01-04 . SHD03		SPB.I -		S085	021SS-38	3	085-3	CS-S085-3		CVVUCR	33	211121 P023	036	R 1S
-															R
059	SPIRE PMW Ch01-04 . 4+		SPB.I -		S085	021SS-38	4	085-4			CVVUCR	33	211121 P023	059	R 1S
071	SPIRE PMW Ch01-04 . 4-		SPB.I -		S085	021SS-38	4	085-4			CVVUCR	33	211121 P023	071	R 1S
036	SPIRE PMW Ch01-04 . SHD04		SPB.I -		S085	021SS-38	4	085-4	CS-S085-4		CVVUCR	33	211121 P023	036	R 1S
-															R
050	SPIRE PMW Ch05-08 . 5+		SPB.I -		S086	021SS-38	5	086-1			CVVUCR	33	211121 P023	050	R 1S
061	SPIRE PMW Ch05-08 . 5-		SPB.I -		S086	021SS-38	5	086-1			CVVUCR	33	211121 P023	061	R 1S
036	SPIRE PMW Ch05-08 . SHD05		SPB.I -		S086	021SS-38	5	086-1	CS-S086-1		CVVUCR	33	211121 P023	036	R 1S
-															R
062	SPIRE PMW Ch05-08 . 6+		SPB.I -		S086	021SS-38	6	086-2			CVVUCR	33	211121 P023	062	R 1S
051	SPIRE PMW Ch05-08 . 6-		SPB.I -		S086	021SS-38	6	086-2			CVVUCR	33	211121 P023	051	R 1S
036	SPIRE PMW Ch05-08 . SHD06		SPB.I -		S086	021SS-38	6	086-2	CS-S086-2		CVVUCR	33	211121 P023	036	R 1S
-															R
063	SPIRE PMW Ch05-08 . 7+		SPB.I -		S086	021SS-38	7	086-3			CVVUCR	33	211121 P023	063	R 1S
075	SPIRE PMW Ch05-08 . 7-		SPB.I -		S086	021SS-38	7	086-3			CVVUCR	33	211121 P023	075	R 1S
036	SPIRE PMW Ch05-08 . SHD07		SPB.I -		S086	021SS-38	7	086-3	CS-S086-3		CVVUCR	33	211121 P023	036	R 1S
-															R
074	SPIRE PMW Ch05-08 . 8+		SPB.I -		S086	021SS-38	8	086-4			CVVUCR	33	211121 P023	074	R 1S
073	SPIRE PMW Ch05-08 . 8-		SPB.I -		S086	021SS-38	8	086-4			CVVUCR	33	211121 P023	073	R 1S
036	SPIRE PMW Ch05-08 . SHD08		SPB.I -		S086	021SS-38	8	086-4	CS-S086-4		CVVUCR	33	211121 P023	036	R 1S
-															R
083	SPIRE PMW Ch09-12 . 9+		SPB.I -		S087	021SS-38	9	087-1			CVVUCR	33	211121 P023	083	R 1S
072	SPIRE PMW Ch09-12 . 9-		SPB.I -		S087	021SS-38	9	087-1			CVVUCR	33	211121 P023	072	R 1S

Pin Allocation List

(Harness)

Connector: 312100 J002**Function / Bundle:** SPIRE SVM CB1 SIH-XS-05**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											R	1S
036	SPIRE PMW Ch09-12 . SHD09		SPB.I	-	S087	021SS-38	9	087-1	CS-S087-1	CVVUCR	33	211121 P023	036	R	1S	
-														R		
095	SPIRE PMW Ch09-12 . 10+		SPB.I	-	S087	021SS-38	10	087-2		CVVUCR	33	211121 P023	095	R	1S	
084	SPIRE PMW Ch09-12 . 10-		SPB.I	-	S087	021SS-38	10	087-2		CVVUCR	33	211121 P023	084	R	1S	
036	SPIRE PMW Ch09-12 . SHD10		SPB.I	-	S087	021SS-38	10	087-2	CS-S087-2	CVVUCR	33	211121 P023	036	R	1S	
-														R		
096	SPIRE PMW Ch09-12 . 11+		SPB.I	-	S087	021SS-38	11	087-3		CVVUCR	33	211121 P023	096	R	1S	
085	SPIRE PMW Ch09-12 . 11-		SPB.I	-	S087	021SS-38	11	087-3		CVVUCR	33	211121 P023	085	R	1S	
036	SPIRE PMW Ch09-12 . SHD11		SPB.I	-	S087	021SS-38	11	087-3	CS-S087-3	CVVUCR	33	211121 P023	036	R	1S	
-														R		
106	SPIRE PMW Ch09-12 . 12+		SPB.I	-	S087	021SS-38	12	087-4		CVVUCR	33	211121 P023	106	R	1S	
107	SPIRE PMW Ch09-12 . 12-		SPB.I	-	S087	021SS-38	12	087-4		CVVUCR	33	211121 P023	107	R	1S	
036	SPIRE PMW Ch09-12 . SHD12		SPB.I	-	S087	021SS-38	12	087-4	CS-S087-4	CVVUCR	33	211121 P023	036	R	1S	
-														R		
086	SPIRE PMW Ch13-16 . 13+		SPB.I	-	S090	021SS-38	13	090-1		CVVUCR	33	211121 P023	086	R	1S	
087	SPIRE PMW Ch13-16 . 13-		SPB.I	-	S090	021SS-38	13	090-1		CVVUCR	33	211121 P023	087	R	1S	
036	SPIRE PMW Ch13-16 . SHD13		SPB.I	-	S090	021SS-38	13	090-1	CS-S090-1	CVVUCR	33	211121 P023	036	R	1S	
-														R		
097	SPIRE PMW Ch13-16 . 14+		SPB.I	-	S090	021SS-38	14	090-2		CVVUCR	33	211121 P023	097	R	1S	
098	SPIRE PMW Ch13-16 . 14-		SPB.I	-	S090	021SS-38	14	090-2		CVVUCR	33	211121 P023	098	R	1S	
036	SPIRE PMW Ch13-16 . SHD14		SPB.I	-	S090	021SS-38	14	090-2	CS-S090-2	CVVUCR	33	211121 P023	036	R	1S	
-														R		
108	SPIRE PMW Ch13-16 . 15+		SPB.I	-	S090	021SS-38	15	090-3		CVVUCR	33	211121 P023	108	R	1S	
109	SPIRE PMW Ch13-16 . 15-		SPB.I	-	S090	021SS-38	15	090-3		CVVUCR	33	211121 P023	109	R	1S	
036	SPIRE PMW Ch13-16 . SHD15		SPB.I	-	S090	021SS-38	15	090-3	CS-S090-3	CVVUCR	33	211121 P023	036	R	1S	
-														R		
116	SPIRE PMW Ch13-16 . 16+		SPB.I	-	S090	021SS-38	16	090-4		CVVUCR	33	211121 P023	116	R	1S	
117	SPIRE PMW Ch13-16 . 16-		SPB.I	-	S090	021SS-38	16	090-4		CVVUCR	33	211121 P023	117	R	1S	
036	SPIRE PMW Ch13-16 . SHD16		SPB.I	-	S090	021SS-38	16	090-4	CS-S090-4	CVVUCR	33	211121 P023	036	R	1S	
-														R		
036	SPIRE PMW B05 GND WIRE A1		SPX.-	-	S451	010B0-30				CVVUCR	33	211121 P023	036	R	1S	
-														R		
055	SPIRE PMW Ch17-20 . 17+		SPB.I	-	S091	021SS-38	17	091-1		CVVUCR	33	211121 P023	055	R	1S	
066	SPIRE PMW Ch17-20 . 17-		SPB.I	-	S091	021SS-38	17	091-1		CVVUCR	33	211121 P023	066	R	1S	

Pin Allocation List

(Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PMW Ch17-20 . SHD17		SPB.I -		S091	021SS-38	17	091-1		CS-S091-1	CVVUCR	33	211121 P023	128	R 1S
-															R
067	SPIRE PMW Ch17-20 . 18+		SPB.I -		S091	021SS-38	18	091-2			CVVUCR	33	211121 P023	067	R 1S
078	SPIRE PMW Ch17-20 . 18-		SPB.I -		S091	021SS-38	18	091-2			CVVUCR	33	211121 P023	078	R 1S
128	SPIRE PMW Ch17-20 . SHD18		SPB.I -		S091	021SS-38	18	091-2		CS-S091-2	CVVUCR	33	211121 P023	128	R 1S
-															R
076	SPIRE PMW Ch17-20 . 19+		SPB.I -		S091	021SS-38	19	091-3			CVVUCR	33	211121 P023	076	R 1S
077	SPIRE PMW Ch17-20 . 19-		SPB.I -		S091	021SS-38	19	091-3			CVVUCR	33	211121 P023	077	R 1S
128	SPIRE PMW Ch17-20 . SHD19		SPB.I -		S091	021SS-38	19	091-3		CS-S091-3	CVVUCR	33	211121 P023	128	R 1S
-															R
088	SPIRE PMW Ch17-20 . 20+		SPB.I -		S091	021SS-38	20	091-4			CVVUCR	33	211121 P023	088	R 1S
089	SPIRE PMW Ch17-20 . 20-		SPB.I -		S091	021SS-38	20	091-4			CVVUCR	33	211121 P023	089	R 1S
128	SPIRE PMW Ch17-20 . SHD20		SPB.I -		S091	021SS-38	20	091-4		CS-S091-4	CVVUCR	33	211121 P023	128	R 1S
-															R
099	SPIRE PMW Ch21-24 . 21+		SPB.I -		S092	021SS-38	21	092-1			CVVUCR	33	211121 P023	099	R 1S
100	SPIRE PMW Ch21-24 . 21-		SPB.I -		S092	021SS-38	21	092-1			CVVUCR	33	211121 P023	100	R 1S
128	SPIRE PMW Ch21-24 . SHD21		SPB.I -		S092	021SS-38	21	092-1		CS-S092-1	CVVUCR	33	211121 P023	128	R 1S
-															R
110	SPIRE PMW Ch21-24 . 22+		SPB.I -		S092	021SS-38	22	092-2			CVVUCR	33	211121 P023	110	R 1S
111	SPIRE PMW Ch21-24 . 22-		SPB.I -		S092	021SS-38	22	092-2			CVVUCR	33	211121 P023	111	R 1S
128	SPIRE PMW Ch21-24 . SHD22		SPB.I -		S092	021SS-38	22	092-2		CS-S092-2	CVVUCR	33	211121 P023	128	R 1S
-															R
118	SPIRE PMW Ch21-24 . 23+		SPB.I -		S092	021SS-38	23	092-3			CVVUCR	33	211121 P023	118	R 1S
119	SPIRE PMW Ch21-24 . 23-		SPB.I -		S092	021SS-38	23	092-3			CVVUCR	33	211121 P023	119	R 1S
128	SPIRE PMW Ch21-24 . 23gnd		SPB.I -		S092	021SS-38	23	092-3		CS-S092-3	CVVUCR	33	211121 P023	128	R 1S
-															R
112	SPIRE PMW Ch21-24 . 24+		SPB.I -		S092	021SS-38	24	092-4			CVVUCR	33	211121 P023	112	R 1S
120	SPIRE PMW Ch21-24 . 24-		SPB.I -		S092	021SS-38	24	092-4			CVVUCR	33	211121 P023	120	R 1S
128	SPIRE PMW Ch21-24 . SHD24		SPB.I -		S092	021SS-38	24	092-4		CS-S092-4	CVVUCR	33	211121 P023	128	R 1S
-															R
090	SPIRE PMW Ch25-28 . 25+		SPB.I -		S094	021SS-38	25	094-1			CVVUCR	33	211121 P023	090	R 1S
079	SPIRE PMW Ch25-28 . 25-		SPB.I -		S094	021SS-38	25	094-1			CVVUCR	33	211121 P023	079	1S 1S
128	SPIRE PMW Ch25-28 . SHD25		SPB.I -		S094	021SS-38	25	094-1		CS-S094-1	CVVUCR	33	211121 P023	128	R 1S
-															R

Pin Allocation List (Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PMW Ch25-28 . 26+		SPB.I -		S094	021SS-38	26	094-2		CVVUCR	33	211121 P023	102	R 1S	
101	SPIRE PMW Ch25-28 . 26-		SPB.I -		S094	021SS-38	26	094-2		CVVUCR	33	211121 P023	101	R 1S	
128	SPIRE PMW Ch25-28 . SHD26		SPB.I -		S094	021SS-38	26	094-2	CS-S094-2	CVVUCR	33	211121 P023	128	R 1S	
-														R	
092	SPIRE PMW Ch25-28 . 27+		SPB.I -		S094	021SS-38	27	094-3		CVVUCR	33	211121 P023	092	R 1S	
091	SPIRE PMW Ch25-28 . 27-		SPB.I -		S094	021SS-38	27	094-3		CVVUCR	33	211121 P023	091	R 1S	
128	SPIRE PMW Ch25-28 . SHD27		SPB.I -		S094	021SS-38	27	094-3	CSS-094-3	CVVUCR	33	211121 P023	128	R 1S	
-														R	
103	SPIRE PMW Ch25-28 . 28+		SPB.I -		S094	021SS-38	28	094-4		CVVUCR	33	211121 P023	103	R 1S	
113	SPIRE PMW Ch25-28 . 28-		SPB.I -		S094	021SS-38	28	094-4		CVVUCR	33	211121 P023	113	R 1S	
128	SPIRE PMW Ch25-28 . SHD28		SPB.I -		S094	021SS-38	28	094-4	CS-S094-4	CVVUCR	33	211121 P023	128	R 1S	
-														R	
058	SPIRE PMW Ch29-32 . 29+		SPB.I -		S095	021SS-38	29	095-1		CVVUCR	33	211121 P023	058	R 1S	
046	SPIRE PMW Ch29-32 . 29-		SPB.I -		S095	021SS-38	29	095-1		CVVUCR	33	211121 P023	046	R 1S	
128	SPIRE PMW Ch29-32 . SHD29		SPB.I -		S095	021SS-38	29	095-1	CS-S095-1	CVVUCR	33	211121 P023	128	R 1S	
-														R	
068	SPIRE PMW Ch29-32 . 30+		SPB.I -		S095	021SS-38	30	095-2		CVVUCR	33	211121 P023	068	R 1S	
057	SPIRE PMW Ch29-32 . 30-		SPB.I -		S095	021SS-38	30	095-2		CVVUCR	33	211121 P023	057	R 1S	
128	SPIRE PMW Ch29-32 . SHD30		SPB.I -		S095	021SS-38	30	095-2	CSS-095-2	CVVUCR	33	211121 P023	128	R 1S	
-														R	
069	SPIRE PMW Ch29-32 . 31+		SPB.I -		S095	021SS-38	31	095-3		CVVUCR	33	211121 P023	069	R 1S	
080	SPIRE PMW Ch29-32 . 31-		SPB.I -		S095	021SS-38	31	095-3		CVVUCR	33	211121 P023	080	R 1S	
128	SPIRE PMW Ch29-32 . SHD31		SPB.I -		S095	021SS-38	31	095-3	CS-S095-3	CVVUCR	33	211121 P023	128	R 1S	
-														R	
070	SPIRE PMW Ch29-32 . 32+		SPB.I -		S095	021SS-38	32	095-4		CVVUCR	33	211121 P023	070	R 1S	
081	SPIRE PMW Ch29-32 . 32-		SPB.I -		S095	021SS-38	32	095-4		CVVUCR	33	211121 P023	081	R 1S	
128	SPIRE PMW Ch29-32 . SHD32		SPB.I -		S095	021SS-38	32	095-4	CS-S095-4	CVVUCR	33	211121 P023	128	R 1S	
-														R	
128	SPIRE PMW B05 GND WIRE A2		SPX.- -		S452	010B0-30				CVVUCR	33	211121 P023	128	R 1S	
-														R	
023	SPIRE PMW Ch33-36 . 33+		SPB.I -		S096	021SS-38	33	096-1		CVVUCR	33	211121 P023	023	R 1S	
034	SPIRE PMW Ch33-36 . 33-		SPB.I -		S096	021SS-38	33	096-1		CVVUCR	33	211121 P023	034	R 1S	
004	SPIRE PMW Ch33-36 . SHD33		SPB.I -		S096	021SS-38	33	096-1	CS-S096-1	CVVUCR	33	211121 P023	004	R 1S	
-														R	

Pin Allocation List

(Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PMW Ch33-36 . 34+		SPB.I -		S096	021SS-38	34	096-2		CVVUCR	33	211121 P023	033	R 1S	
045	SPIRE PMW Ch33-36 . 34-		SPB.I -		S096	021SS-38	34	096-2		CVVUCR	33	211121 P023	045	R 1S	
004	SPIRE PMW Ch33-36 . SHD34		SPB.I -		S096	021SS-38	34	096-2	CS-S096-2	CVVUCR	33	211121 P023	004	R 1S	
-														R	
044	SPIRE PMW Ch33-36 . 35+		SPB.I -		S096	021SS-38	35	096-3		CVVUCR	33	211121 P023	044	R 1S	
056	SPIRE PMW Ch33-36 . 35-		SPB.I -		S096	021SS-38	35	096-3		CVVUCR	33	211121 P023	056	R 1S	
004	SPIRE PMW Ch33-36 . SHD35		SPB.I -		S096	021SS-38	35	096-3	CS-S096-3	CVVUCR	33	211121 P023	004	R 1S	
-														R	
022	SPIRE PMW Ch33-36 . 36+		SPB.I -		S096	021SS-38	36	096-4		CVVUCR	33	211121 P023	022	R 1S	
032	SPIRE PMW Ch33-36 . 36-		SPB.I -		S096	021SS-38	36	096-4		CVVUCR	33	211121 P023	032	R 1S	
004	SPIRE PMW Ch33-36 . SHD36		SPB.I -		S096	021SS-38	36	096-4	CS-S096-4	CVVUCR	33	211121 P023	004	R 1S	
-														R	
013	SPIRE PMW Ch37-40 . 37+		SPB.I -		S099	021SS-38	37	099-1		CVVUCR	33	211121 P023	013	R 1S	
012	SPIRE PMW Ch37-40 . 37-		SPB.I -		S099	021SS-38	37	099-1		CVVUCR	33	211121 P023	012	R 1S	
004	SPIRE PMW Ch37-40 . 37gnd		SPB.I -		S099	021SS-38	37	099-1	CS-S099-1	CVVUCR	33	211121 P023	004	R 1S	
-														R	
021	SPIRE PMW Ch37-40 . 38+		SPB.I -		S099	021SS-38	38	099-2		CVVUCR	33	211121 P023	021	R 1S	
020	SPIRE PMW Ch37-40 . 38-		SPB.I -		S099	021SS-38	38	099-2		CVVUCR	33	211121 P023	020	R 1S	
004	SPIRE PMW Ch37-40 . SHD38		SPB.I -		S099	021SS-38	38	099-2	CS-S099-2	CVVUCR	33	211121 P023	004	R 1S	
-														R	
031	SPIRE PMW Ch37-40 . 39+		SPB.I -		S099	021SS-38	39	099-3		CVVUCR	33	211121 P023	031	R 1S	
043	SPIRE PMW Ch37-40 . 39-		SPB.I -		S099	021SS-38	39	099-3		CVVUCR	33	211121 P023	043	R 1S	
004	SPIRE PMW Ch37-40 . SHD39		SPB.I -		S099	021SS-38	39	099-3	CS-S099-3	CVVUCR	33	211121 P023	004	R 1S	
-														R	
042	SPIRE PMW Ch37-40 . 40+		SPB.I -		S099	021SS-38	40	099-4		CVVUCR	33	211121 P023	042	R 1S	
054	SPIRE PMW Ch37-40 . 40-		SPB.I -		S099	021SS-38	40	099-4		CVVUCR	33	211121 P023	054	R 1S	
004	SPIRE PMW Ch37-40 . SHD40		SPB.I -		S099	021SS-38	40	099-4	CS-S099-4	CVVUCR	33	211121 P023	004	R 1S	
-														R	
010	SPIRE PMW Ch41-44 . 41+		SPB.I -		S100	021SS-38	41	100-1		CVVUCR	33	211121 P023	010	R 1S	
011	SPIRE PMW Ch41-44 . 41-		SPB.I -		S100	021SS-38	41	100-1		CVVUCR	33	211121 P023	011	R 1S	
004	SPIRE PMW Ch41-44 . SHD41		SPB.I -		S100	021SS-38	41	100-1	CS-S100-1	CVVUCR	33	211121 P023	004	R 1S	
-														R	
019	SPIRE PMW Ch41-44 . 42+		SPB.I -		S100	021SS-38	42	100-2		CVVUCR	33	211121 P023	019	R 1S	
029	SPIRE PMW Ch41-44 . 42-		SPB.I -		S100	021SS-38	42	100-2		CVVUCR	33	211121 P023	029	R 1S	

Pin Allocation List

(Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PMW Ch41-44 . SHD42		SPB.I	-	S100	021SS-38	42	100-2	CS-S100-2	CVVUCR	33	211121 P023	004	R 1S	
-														R	
041	SPIRE PMW Ch41-44 . 43+		SPB.I	-	S100	021SS-38	43	100-3		CVVUCR	33	211121 P023	041	R 1S	
030	SPIRE PMW Ch41-44 . 43-		SPB.I	-	S100	021SS-38	43	100-3		CVVUCR	33	211121 P023	030	R 1S	
004	SPIRE PMW Ch41-44 . SHD43		SPB.I	-	S100	021SS-38	43	100-3	CS-S100-3	CVVUCR	33	211121 P023	004	R 1S	
-														R	
053	SPIRE PMW Ch41-44 . 44+		SPB.I	-	S100	021SS-38	44	100-4		CVVUCR	33	211121 P023	053	R 1S	
052	SPIRE PMW Ch41-44 . 44-		SPB.I	-	S100	021SS-38	44	100-4		CVVUCR	33	211121 P023	052	R 1S	
004	SPIRE PMW Ch41-44 . SHD44		SPB.I	-	S100	021SS-38	44	100-4	CS-S100-4	CVVUCR	33	211121 P023	004	R 1S	
-														R	
009	SPIRE PMW Ch45-48 . 45+		SPB.I	-	S101	021SS-38	45	101-1		CVVUCR	33	211121 P023	009	R 1S	
017	SPIRE PMW Ch45-48 . 45-		SPB.I	-	S101	021SS-38	45	101-1		CVVUCR	33	211121 P023	017	R 1S	
004	SPIRE PMW Ch45-48 . SHD45		SPB.I	-	S101	021SS-38	45	101-1	CSS-101-1	CVVUCR	33	211121 P023	004	R 1S	
-														R	
018	SPIRE PMW Ch45-48 . 46+		SPB.I	-	S101	021SS-38	46	101-2		CVVUCR	33	211121 P023	018	R 1S	
028	SPIRE PMW Ch45-48 . 46-		SPB.I	-	S101	021SS-38	46	101-2		CVVUCR	33	211121 P023	028	R 1S	
004	SPIRE PMW Ch45-48 . SHD46		SPB.I	-	S101	021SS-38	46	101-2	CS-S101-2	CVVUCR	33	211121 P023	004	R 1S	
-														R	
016	SPIRE PMW Ch45-48 . 47+		SPB.I	-	S101	021SS-38	47	101-3		CVVUCR	33	211121 P023	016	R 1S	
027	SPIRE PMW Ch45-48 . 47-		SPB.I	-	S101	021SS-38	47	101-3		CVVUCR	33	211121 P023	027	R 1S	
004	SPIRE PMW Ch45-48 . SHD47		SPB.I	-	S101	021SS-38	47	101-3	CS-S101-3	CVVUCR	33	211121 P023	004	R 1S	
-														R	
040	SPIRE PMW Ch45-48 . 48+		SPB.I	-	S101	021SS-38	48	101-4		CVVUCR	33	211121 P023	040	R 1S	
039	SPIRE PMW Ch45-48 . 48-		SPB.I	-	S101	021SS-38	48	101-4		CVVUCR	33	211121 P023	039	R 1S	
004	SPIRE PMW Ch45-48 . SHD48		SPB.I	-	S101	021SS-38	48	101-4	CS-S101-4	CVVUCR	33	211121 P023	004	R 1S	
-														R	
004	SPIRE PMW B05 GND WIRE A4		SPX.-	-	S454	010B0-30				CVVUCR	33	211121 P023	004	R 1S	
-														R	
047	SPIRE PMW B05 GND WIRE A3		SPX.-	-	S453	010B0-30				CVVUCR	33	211121 P023	047	R 1S	
-														R	
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S	
004	to be con to pin 036													1S	
047	to be con to pin 036													1S	

Pin Allocation List (Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
005	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
024	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
093	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
105	to be con as part of FCR									Faraday Cage Ring (FCR)					R
114	to be con as part of FCR									Faraday Cage Ring (FCR)					R
115	to be con as part of FCR									Faraday Cage Ring (FCR)					R
121	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to bbe con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312100 J002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	2 pins are NC									The following Pins are NC :					1S
-	-									:064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PLW Ch01-04 . 1+		SPA.I -		S104	021SS-38	1	104-1		HSSVMCB2	27	312200 J003	026	1S	R	
037	SPIRE PLW Ch01-04 . 1-		SPA.I -		S104	021SS-38	1	104-1		HSSVMCB2	27	312200 J003	037	1S	R	
036	SPIRE PLW Ch01-04 . SHD01		SPA.I -		S104	021SS-38	1	104-1	CS-S104-1	HSSVMCB2	27	312200 J003	036	1S	R	
-																
038	SPIRE PLW Ch01-04 . 2+		SPA.I -		S104	021SS-38	2	104-2		HSSVMCB2	27	312200 J003	038	1S	R	
049	SPIRE PLW Ch01-04 . 2-		SPA.I -		S104	021SS-38	2	104-2		HSSVMCB2	27	312200 J003	049	1S	R	
036	SPIRE PLW Ch01-04 . SHD02		SPA.I -		S104	021SS-38	2	104-2	CS-S104-2	HSSVMCB2	27	312200 J003	036	1S	R	
-																
048	SPIRE PLW Ch01-04 . 3+		SPA.I -		S104	021SS-38	3	104-3		HSSVMCB2	27	312200 J003	048	1S	R	
060	SPIRE PLW Ch01-04 . 3-		SPA.I -		S104	021SS-38	3	104-3		HSSVMCB2	27	312200 J003	060	1S	R	
036	SPIRE PLW Ch01-04 . SHD03		SPA.I -		S104	021SS-38	3	104-3	CS-S104-3	HSSVMCB2	27	312200 J003	036	1S	R	
-																
059	SPIRE PLW Ch01-04 . 4+		SPA.I -		S104	021SS-38	4	104-4		HSSVMCB2	27	312200 J003	059	1S	R	
071	SPIRE PLW Ch01-04 . 4-		SPA.I -		S104	021SS-38	4	104-4		HSSVMCB2	27	312200 J003	071	1S	R	
036	SPIRE PLW Ch01-04 . SHD04		SPA.I -		S104	021SS-38	4	104-4	CS-S104-4	HSSVMCB2	27	312200 J003	036	1S	R	
-																
050	SPIRE PLW Ch05-08 . 5+		SPA.I -		S105	021SS-38	5	105-1		HSSVMCB2	27	312200 J003	050	1S	R	
061	SPIRE PLW Ch05-08 . 5-		SPA.I -		S105	021SS-38	5	105-1		HSSVMCB2	27	312200 J003	061	1S	R	
036	SPIRE PLW Ch05-08 . SHD05		SPA.I -		S105	021SS-38	5	105-1	CS-S105-1	HSSVMCB2	27	312200 J003	036	1S	R	
-																
062	SPIRE PLW Ch05-08 . 6+		SPA.I -		S105	021SS-38	6	105-2		HSSVMCB2	27	312200 J003	062	1S	R	
051	SPIRE PLW Ch05-08 . 6-		SPA.I -		S105	021SS-38	6	105-2		HSSVMCB2	27	312200 J003	051	1S	R	
036	SPIRE PLW Ch05-08 . SHD06		SPA.I -		S105	021SS-38	6	105-2	CS-S105-2	HSSVMCB2	27	312200 J003	036	1S	R	
-																
063	SPIRE PLW Ch05-08 . 7+		SPA.I -		S105	021SS-38	7	105-3		HSSVMCB2	27	312200 J003	063	1S	R	
075	SPIRE PLW Ch05-08 . 7-		SPA.I -		S105	021SS-38	7	105-3		HSSVMCB2	27	312200 J003	075	1S	R	
036	SPIRE PLW Ch05-08 . SHD07		SPA.I -		S105	021SS-38	7	105-3	CS-S105-3	HSSVMCB2	27	312200 J003	036	1S	R	
-																
074	SPIRE PLW Ch05-08 . 8+		SPA.I -		S105	021SS-38	8	105-4		HSSVMCB2	27	312200 J003	074	1S	R	
073	SPIRE PLW Ch05-08 . 8-		SPA.I -		S105	021SS-38	8	105-4		HSSVMCB2	27	312200 J003	073	1S	R	
036	SPIRE PLW Ch05-08 . SHD08		SPA.I -		S105	021SS-38	8	105-4	CS-S105-4	HSSVMCB2	27	312200 J003	036	1S	R	
-																
083	SPIRE PLW Ch09-12 . 9+		SPA.I -		S106	021SS-38	9	106-1		HSSVMCB2	27	312200 J003	083	1S	R	
072	SPIRE PLW Ch09-12 . 9-		SPA.I -		S106	021SS-38	9	106-1		HSSVMCB2	27	312200 J003	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PLW Ch09-12 . SHD09		SPA.I -		S106	021SS-38	9	106-1		CS-S106-1	HSSVMCB2	27	312200 J003	036	1S	R
-																
095	SPIRE PLW Ch09-12 . 10+		SPA.I -		S106	021SS-38	10	106-2			HSSVMCB2	27	312200 J003	095	1S	R
084	SPIRE PLW Ch09-12 . 10-		SPA.I -		S106	021SS-38	10	106-2			HSSVMCB2	27	312200 J003	084	1S	R
036	SPIRE PLW Ch09-12 . SHD10		SPA.I -		S106	021SS-38	10	106-2		CS-S106-2	HSSVMCB2	27	312200 J003	036	1S	R
-																
096	SPIRE PLW Ch09-12 . 11+		SPA.I -		S106	021SS-38	11	106-3			HSSVMCB2	27	312200 J003	096	1S	R
085	SPIRE PLW Ch09-12 . 11-		SPA.I -		S106	021SS-38	11	106-3			HSSVMCB2	27	312200 J003	085	1S	R
036	SPIRE PLW Ch09-12 . SHD11		SPA.I -		S106	021SS-38	11	106-3		CS-S106-3	HSSVMCB2	27	312200 J003	036	1S	R
-																
106	SPIRE PLW Ch09-12 . 12+		SPA.I -		S106	021SS-38	12	106-4			HSSVMCB2	27	312200 J003	106	1S	R
107	SPIRE PLW Ch09-12 . 12-		SPA.I -		S106	021SS-38	12	106-4			HSSVMCB2	27	312200 J003	107	1S	R
036	SPIRE PLW Ch09-12 . SHD12		SPA.I -		S106	021SS-38	12	106-4		CS-S106-4	HSSVMCB2	27	312200 J003	036	1S	R
-																
086	SPIRE PLW Ch13-16 . 13+		SPA.I -		S109	021SS-38	13	109-1			HSSVMCB2	27	312200 J003	086	1S	R
087	SPIRE PLW Ch13-16 . 13-		SPA.I -		S109	021SS-38	13	109-1			HSSVMCB2	27	312200 J003	087	1S	R
036	SPIRE PLW Ch13-16 . SHD13		SPA.I -		S109	021SS-38	13	109-1		CS-S109-1	HSSVMCB2	27	312200 J003	036	1S	R
-																
097	SPIRE PLW Ch13-16 . 14+		SPA.I -		S109	021SS-38	14	109-2			HSSVMCB2	27	312200 J003	097	1S	R
098	SPIRE PLW Ch13-16 . 14-		SPA.I -		S109	021SS-38	14	109-2			HSSVMCB2	27	312200 J003	098	1S	R
036	SPIRE PLW Ch13-16 . SHD14		SPA.I -		S109	021SS-38	14	109-2		CS-S109-2	HSSVMCB2	27	312200 J003	036	1S	R
-																
108	SPIRE PLW Ch13-16 . 15+		SPA.I -		S109	021SS-38	15	109-3			HSSVMCB2	27	312200 J003	108	1S	R
109	SPIRE PLW Ch13-16 . 15-		SPA.I -		S109	021SS-38	15	109-3			HSSVMCB2	27	312200 J003	109	1S	R
036	SPIRE PLW Ch13-16 . SHD15		SPA.I -		S109	021SS-38	15	109-3		CS-S109-3	HSSVMCB2	27	312200 J003	036	1S	R
-																
116	SPIRE PLW Ch13-16 . 16+		SPA.I -		S109	021SS-38	16	109-4			HSSVMCB2	27	312200 J003	116	1S	R
117	SPIRE PLW Ch13-16 . 16-		SPA.I -		S109	021SS-38	16	109-4			HSSVMCB2	27	312200 J003	117	1S	R
036	SPIRE PLW Ch13-16 . SHD16		SPA.I -		S109	021SS-38	16	109-4		CS-S109-4	HSSVMCB2	27	312200 J003	036	1S	R
-																
036	SPIRE PLW B06 GND WIRE A1		SPX.- -		S461	010B0-30					HSSVMCB2	27	312200 J003	036	1S	R
-																
055	SPIRE PLW Ch17-20 . 17+		SPA.I -		S110	021SS-38	17	110-1			HSSVMCB2	27	312200 J003	055	1S	R
066	SPIRE PLW Ch17-20 . 17-		SPA.I -		S110	021SS-38	17	110-1			HSSVMCB2	27	312200 J003	066	1S	R

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PLW Ch17-20 . SHD17		SPA.I -		S110	021SS-38	17	110-1	CS-S110-1	HSSVMCB2	27	312200 J003	128	1S	R	
-																
067	SPIRE PLW Ch17-20 . 18+		SPA.I -		S110	021SS-38	18	110-2		HSSVMCB2	27	312200 J003	067	1S	R	
078	SPIRE PLW Ch17-20 . 18-		SPA.I -		S110	021SS-38	18	110-2		HSSVMCB2	27	312200 J003	078	1S	R	
128	SPIRE PLW Ch17-20 . SHD18		SPA.I -		S110	021SS-38	18	110-2	CS-S110-2	HSSVMCB2	27	312200 J003	128	1S	R	
-																
076	SPIRE PLW Ch17-20 . 19+		SPA.I -		S110	021SS-38	19	110-3		HSSVMCB2	27	312200 J003	076	1S	R	
077	SPIRE PLW Ch17-20 . 19-		SPA.I -		S110	021SS-38	19	110-3		HSSVMCB2	27	312200 J003	077	1S	R	
128	SPIRE PLW Ch17-20 . SHD19		SPA.I -		S110	021SS-38	19	110-3	CS-S110-3	HSSVMCB2	27	312200 J003	128	1S	R	
-																
088	SPIRE PLW Ch17-20 . 20+		SPA.I -		S110	021SS-38	20	110-4		HSSVMCB2	27	312200 J003	088	1S	R	
089	SPIRE PLW Ch17-20 . 20-		SPA.I -		S110	021SS-38	20	110-4		HSSVMCB2	27	312200 J003	089	1S	R	
128	SPIRE PLW Ch17-20 . SHD20		SPA.I -		S110	021SS-38	20	110-4	CS-S110-4	HSSVMCB2	27	312200 J003	128	1S	R	
-																
099	SPIRE PLW Ch21-24 . 21+		SPA.I -		S111	021SS-38	21	111-1		HSSVMCB2	27	312200 J003	099	1S	R	
100	SPIRE PLW Ch21-24 . 21-		SPA.I -		S111	021SS-38	21	111-1		HSSVMCB2	27	312200 J003	100	1S	R	
128	SPIRE PLW Ch21-24 . SHD21		SPA.I -		S111	021SS-38	21	111-1	CS-S111-1	HSSVMCB2	27	312200 J003	128	1S	R	
-																
110	SPIRE PLW Ch21-24 . 22+		SPA.I -		S111	021SS-38	22	111-2		HSSVMCB2	27	312200 J003	110	1S	R	
111	SPIRE PLW Ch21-24 . 22-		SPA.I -		S111	021SS-38	22	111-2		HSSVMCB2	27	312200 J003	111	1S	R	
128	SPIRE PLW Ch21-24 . SHD22		SPA.I -		S111	021SS-38	22	111-2	CS-S111-2	HSSVMCB2	27	312200 J003	128	1S	R	
-																
118	SPIRE PLW Ch21-24 . 23+		SPA.I -		S111	021SS-38	23	111-3		HSSVMCB2	27	312200 J003	118	1S	R	
119	SPIRE PLW Ch21-24 . 23-		SPA.I -		S111	021SS-38	23	111-3		HSSVMCB2	27	312200 J003	119	1S	R	
128	SPIRE PLW Ch21-24 . SHD23		SPA.I -		S111	021SS-38	23	111-3	CS-S111-3	HSSVMCB2	27	312200 J003	128	1S	R	
-																
112	SPIRE PLW Ch21-24 . 24+		SPA.I -		S111	021SS-38	24	111-4		HSSVMCB2	27	312200 J003	112	1S	R	
120	SPIRE PLW Ch21-24 . 24-		SPA.I -		S111	021SS-38	24	111-4		HSSVMCB2	27	312200 J003	120	1S	R	
128	SPIRE PLW Ch21-24 . SHD24		SPA.I -		S111	021SS-38	24	111-4	CS-S111-4	HSSVMCB2	27	312200 J003	128	1S	R	
-																
090	SPIRE PLW Ch25-28 . 25+		SPA.I -		S113	021SS-38	25	113-1		HSSVMCB2	27	312200 J003	090	1S	R	
079	SPIRE PLW Ch25-28 . 25-		SPA.I -		S113	021SS-38	25	113-1		HSSVMCB2	27	312200 J003	079	1S	R	
128	SPIRE PLW Ch25-28 . 25gnd		SPA.I -		S113	021SS-38	25	113-1	CS-S113-1	HSSVMCB2	27	312200 J003	128	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PLW Ch25-28 . 26+		SPA.I -		S113	021SS-38	26	113-2		HSSVMCB2	27	312200 J003	102	1S	R	
101	SPIRE PLW Ch25-28 . 26-		SPA.I -		S113	021SS-38	26	113-2		HSSVMCB2	27	312200 J003	101	1S	R	
128	SPIRE PLW Ch25-28 . SHD26		SPA.I -		S113	021SS-38	26	113-2	CS-S113-2	HSSVMCB2	27	312200 J003	128	1S	R	
-																
092	SPIRE PLW Ch25-28 . 27+		SPA.I -		S113	021SS-38	27	113-3		HSSVMCB2	27	312200 J003	092	1S	R	
091	SPIRE PLW Ch25-28 . 27-		SPA.I -		S113	021SS-38	27	113-3		HSSVMCB2	27	312200 J003	091	1S	R	
128	SPIRE PLW Ch25-28 . SHD27		SPA.I -		S113	021SS-38	27	113-3	CS-S113-3	HSSVMCB2	27	312200 J003	128	1S	R	
-																
103	SPIRE PLW Ch25-28 . 28+		SPA.I -		S113	021SS-38	28	113-4		HSSVMCB2	27	312200 J003	103	1S	R	
113	SPIRE PLW Ch25-28 . 28-		SPA.I -		S113	021SS-38	28	113-4		HSSVMCB2	27	312200 J003	113	1S	R	
128	SPIRE PLW Ch25-28 . SHD28		SPA.I -		S113	021SS-38	28	113-4	CS-S113-4	HSSVMCB2	27	312200 J003	128	1S	R	
-																
058	SPIRE PLW Ch29-32 . 29+		SPA.I -		S114	021SS-38	29	114-1		HSSVMCB2	27	312200 J003	058	1S	R	
046	SPIRE PLW Ch29-32 . 29-		SPA.I -		S114	021SS-38	29	114-1		HSSVMCB2	27	312200 J003	046	1S	R	
128	SPIRE PLW Ch29-32 . SHD29		SPA.I -		S114	021SS-38	29	114-1	CS-S114-1	HSSVMCB2	27	312200 J003	128	1S	R	
-																
068	SPIRE PLW Ch29-32 . 30+		SPA.I -		S114	021SS-38	30	114-2		HSSVMCB2	27	312200 J003	068	1S	R	
057	SPIRE PLW Ch29-32 . 30-		SPA.I -		S114	021SS-38	30	114-2		HSSVMCB2	27	312200 J003	057	1S	R	
128	SPIRE PLW Ch29-32 . SHD30		SPA.I -		S114	021SS-38	30	114-2	CSS-114-2	HSSVMCB2	27	312200 J003	128	1S	R	
-																
069	SPIRE PLW Ch29-32 . 31+		SPA.I -		S114	021SS-38	31	114-3		HSSVMCB2	27	312200 J003	069	1S	R	
080	SPIRE PLW Ch29-32 . 31-		SPA.I -		S114	021SS-38	31	114-3		HSSVMCB2	27	312200 J003	080	1S	R	
128	SPIRE PLW Ch29-32 . SHD31		SPA.I -		S114	021SS-38	31	114-3	CS-S114-3	HSSVMCB2	27	312200 J003	128	1S	R	
-																
070	SPIRE PLW Ch29-32 . 32+		SPA.I -		S114	021SS-38	32	114-4		HSSVMCB2	27	312200 J003	070	1S	R	
081	SPIRE PLW Ch29-32 . 32-		SPA.I -		S114	021SS-38	32	114-4		HSSVMCB2	27	312200 J003	081	1S	R	
128	SPIRE PLW Ch29-32 . SHD32		SPA.I -		S114	021SS-38	32	114-4	CS-S114-4	HSSVMCB2	27	312200 J003	128	1S	R	
-																
128	SPIRE PMW B06 GND WIRE A2		SPX.- -		S462	010B0-30				HSSVMCB2	27	312200 J003	128	1S	R	
-																
023	SPIRE PLW Ch33-36 . 33+		SPA.I -		S115	021SS-38	33	115-1		HSSVMCB2	27	312200 J003	023	1S	R	
034	SPIRE PLW Ch33-36 . 33-		SPA.I -		S115	021SS-38	33	115-1		HSSVMCB2	27	312200 J003	034	1S	R	
004	SPIRE PLW Ch33-36 . SHD33		SPA.I -		S115	021SS-38	33	115-1	CS-S115-1	HSSVMCB2	27	312200 J003	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PLW Ch33-36 . 34+		SPA.I -		S115	021SS-38	34	115-2		HSSVMCB2	27	312200 J003	033	1S	R	
045	SPIRE PLW Ch33-36 . 34-		SPA.I -		S115	021SS-38	34	115-2		HSSVMCB2	27	312200 J003	045	1S	R	
004	SPIRE PLW Ch33-36 . SHD34		SPA.I -		S115	021SS-38	34	115-2	CS-S115-2	HSSVMCB2	27	312200 J003	004	1S	R	
-																
044	SPIRE PLW Ch33-36 . 35+		SPA.I -		S115	021SS-38	35	115-3		HSSVMCB2	27	312200 J003	044	1S	R	
056	SPIRE PLW Ch33-36 . 35-		SPA.I -		S115	021SS-38	35	115-3		HSSVMCB2	27	312200 J003	056	1S	R	
004	SPIRE PLW Ch33-36 . SHD35		SPA.I -		S115	021SS-38	35	115-3	CS-S115-3	HSSVMCB2	27	312200 J003	004	1S	R	
-																
022	SPIRE PLW Ch33-36 . 36+		SPA.I -		S115	021SS-38	36	115-4		HSSVMCB2	27	312200 J003	022	1S	R	
032	SPIRE PLW Ch33-36 . 36-		SPA.I -		S115	021SS-38	36	115-4		HSSVMCB2	27	312200 J003	032	1S	R	
004	SPIRE PLW Ch33-36 . SHD36		SPA.I -		S115	021SS-38	36	115-4	CS-S115-4	HSSVMCB2	27	312200 J003	004	1S	R	
-																
013	SPIRE PLW Ch37-40 . 37+		SPA.I -		S118	021SS-38	37	118-1		HSSVMCB2	27	312200 J003	013	1S	R	
012	SPIRE PLW Ch37-40 . 37-		SPA.I -		S118	021SS-38	37	118-1		HSSVMCB2	27	312200 J003	012	1S	R	
004	SPIRE PLW Ch37-40 . SHD37		SPA.I -		S118	021SS-38	37	118-1	CS-S118-1	HSSVMCB2	27	312200 J003	004	1S	R	
-																
021	SPIRE PLW Ch37-40 . 38+		SPA.I -		S118	021SS-38	38	118-2		HSSVMCB2	27	312200 J003	021	1S	R	
020	SPIRE PLW Ch37-40 . 38-		SPA.I -		S118	021SS-38	38	118-2		HSSVMCB2	27	312200 J003	020	1S	R	
004	SPIRE PLW Ch37-40 . SHD38		SPA.I -		S118	021SS-38	38	118-2	CS-S118-2	HSSVMCB2	27	312200 J003	004	1S	R	
-																
031	SPIRE PLW Ch37-40 . 39+		SPA.I -		S118	021SS-38	39	118-3		HSSVMCB2	27	312200 J003	031	1S	R	
043	SPIRE PLW Ch37-40 . 39-		SPA.I -		S118	021SS-38	39	118-3		HSSVMCB2	27	312200 J003	043	1S	R	
004	SPIRE PLW Ch37-40 . SHD39		SPA.I -		S118	021SS-38	39	118-3	CS-S118-3	HSSVMCB2	27	312200 J003	004	1S	R	
-																
042	SPIRE PLW Ch37-40 . 40+		SPA.I -		S118	021SS-38	40	118-4		HSSVMCB2	27	312200 J003	042	1S	R	
054	SPIRE PLW Ch37-40 . 40-		SPA.I -		S118	021SS-38	40	118-4		HSSVMCB2	27	312200 J003	054	1S	R	
004	SPIRE PLW Ch37-40 . SHD40		SPA.I -		S118	021SS-38	40	118-4	CS-S118-4	HSSVMCB2	27	312200 J003	004	1S	R	
-																
010	SPIRE PLW Ch41-44 . 41+		SPA.I -		S119	021SS-38	41	119-1		HSSVMCB2	27	312200 J003	010	1S	R	
011	SPIRE PLW Ch41-44 . 41-		SPA.I -		S119	021SS-38	41	119-1		HSSVMCB2	27	312200 J003	011	1S	R	
004	SPIRE PLW Ch41-44 . SHD41		SPA.I -		S119	021SS-38	41	119-1	CS-S119-1	HSSVMCB2	27	312200 J003	004	1S	R	
-																
019	SPIRE PLW Ch41-44 . 42+		SPA.I -		S119	021SS-38	42	119-2		HSSVMCB2	27	312200 J003	019	1S	R	
029	SPIRE PLW Ch41-44 . 42-		SPA.I -		S119	021SS-38	42	119-2		HSSVMCB2	27	312200 J003	029	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PLW Ch41-44 . SHD42		SPA.I	-	S119	021SS-38	42	119-2	CS-S119-2	HSSVMCB2	27	312200 J003	004	1S	R	
-																
041	SPIRE PLW Ch41-44 . 43+		SPA.I	-	S119	021SS-38	43	119-3		HSSVMCB2	27	312200 J003	041	1S	R	
030	SPIRE PLW Ch41-44 . 43-		SPA.I	-	S119	021SS-38	43	119-3		HSSVMCB2	27	312200 J003	030	1S	R	
004	SPIRE PLW Ch41-44 . SHD43		SPA.I	-	S119	021SS-38	43	119-3	CS-S119-3	HSSVMCB2	27	312200 J003	004	1S	R	
-																
053	SPIRE PLW Ch41-44 . 44+		SPA.I	-	S119	021SS-38	44	119-4		HSSVMCB2	27	312200 J003	053	1S	R	
052	SPIRE PLW Ch41-44 . 44-		SPA.I	-	S119	021SS-38	44	119-4		HSSVMCB2	27	312200 J003	052	1S	R	
004	SPIRE PLW Ch41-44 . SHD44		SPA.I	-	S119	021SS-38	44	119-4	CS-S119-4	HSSVMCB2	27	312200 J003	004	1S	R	
-																
009	SPIRE PLW Ch45-48 . 45+		SPA.I	-	S120	021SS-38	45	120-1		HSSVMCB2	27	312200 J003	009	1S	R	
017	SPIRE PLW Ch45-48 . 45-		SPA.I	-	S120	021SS-38	45	120-1		HSSVMCB2	27	312200 J003	017	1S	R	
004	SPIRE PLW Ch45-48 . SHD45		SPA.I	-	S120	021SS-38	45	120-1	CS-S120-1	HSSVMCB2	27	312200 J003	004	1S	R	
-																
018	SPIRE PLW Ch45-48 . 46+		SPA.I	-	S120	021SS-38	46	120-2		HSSVMCB2	27	312200 J003	018	1S	R	
028	SPIRE PLW Ch45-48 . 46-		SPA.I	-	S120	021SS-38	46	120-2		HSSVMCB2	27	312200 J003	028	1S	R	
004	SPIRE PLW Ch45-48 . SHD46		SPA.I	-	S120	021SS-38	46	120-2	CS-S120-2	HSSVMCB2	27	312200 J003	004	1S	R	
-																
016	SPIRE PLW Ch45-48 . 47+		SPA.I	-	S120	021SS-38	47	120-3		HSSVMCB2	27	312200 J003	016	1S	R	
027	SPIRE PLW Ch45-48 . 47-		SPA.I	-	S120	021SS-38	47	120-3		HSSVMCB2	27	312200 J003	027	1S	R	
004	SPIRE PLW Ch45-48 . SHD47		SPA.I	-	S120	021SS-38	47	120-3	CS-S120-3	HSSVMCB2	27	312200 J003	004	1S	R	
-																
040	SPIRE PLW Ch45-48 . 48+		SPA.I	-	S120	021SS-38	48	120-4		HSSVMCB2	27	312200 J003	040	1S	R	
039	SPIRE PLW Ch45-48 . 48-		SPA.I	-	S120	021SS-38	48	120-4		HSSVMCB2	27	312200 J003	039	1S	R	
004	SPIRE PLW Ch45-48 . SHD48		SPA.I	-	S120	021SS-38	48	120-4	CS-S120-4	HSSVMCB2	27	312200 J003	004	1S	R	
-																
004	SPIRE PMW B06 GND WIRE A4		SPX.-	-	S464	010B0-30				HSSVMCB2	27	312200 J003	004	1S	R	
-														1S		
047	SPIRE PMW B06 GND WIRE A3		SPX.-	-	S463	010B0-30				HSSVMCB2	27	312200 J003	047	1S	R	
-														1S		
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
004	to be con to pin 036													1S		
047	to be con to pin 036													1S		

Pin Allocation List (Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be co to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P024
Item: CVVUCR

Function / Bundle: UFThr 215.0° / SIH-XS-06

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)		-							Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									:064 ;065					

Pin Allocation List

(Harness)

Connector: 312200 J003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PLW Ch01-04 . 1+		SPA.I -		S104	021SS-38	1	104-1		CVVUCR	33	211121 P024	026	R 1S	
037	SPIRE PLW Ch01-04 . 1-		SPA.I -		S104	021SS-38	1	104-1		CVVUCR	33	211121 P024	037	R 1S	
036	SPIRE PLW Ch01-04 . SHD01		SPA.I -		S104	021SS-38	1	104-1	CS-S104-1	CVVUCR	33	211121 P024	036	R 1S	
-														R	
038	SPIRE PLW Ch01-04 . 2+		SPA.I -		S104	021SS-38	2	104-2		CVVUCR	33	211121 P024	038	R 1S	
049	SPIRE PLW Ch01-04 . 2-		SPA.I -		S104	021SS-38	2	104-2		CVVUCR	33	211121 P024	049	R 1S	
036	SPIRE PLW Ch01-04 . SHD02		SPA.I -		S104	021SS-38	2	104-2	CS-S104-2	CVVUCR	33	211121 P024	036	R 1S	
-														R	
048	SPIRE PLW Ch01-04 . 3+		SPA.I -		S104	021SS-38	3	104-3		CVVUCR	33	211121 P024	048	R 1S	
060	SPIRE PLW Ch01-04 . 3-		SPA.I -		S104	021SS-38	3	104-3		CVVUCR	33	211121 P024	060	R 1S	
036	SPIRE PLW Ch01-04 . SHD03		SPA.I -		S104	021SS-38	3	104-3	CS-S104-3	CVVUCR	33	211121 P024	036	R 1S	
-														R	
059	SPIRE PLW Ch01-04 . 4+		SPA.I -		S104	021SS-38	4	104-4		CVVUCR	33	211121 P024	059	R 1S	
071	SPIRE PLW Ch01-04 . 4-		SPA.I -		S104	021SS-38	4	104-4		CVVUCR	33	211121 P024	071	R 1S	
036	SPIRE PLW Ch01-04 . SHD04		SPA.I -		S104	021SS-38	4	104-4	CS-S104-4	CVVUCR	33	211121 P024	036	R 1S	
-														R	
050	SPIRE PLW Ch05-08 . 5+		SPA.I -		S105	021SS-38	5	105-1		CVVUCR	33	211121 P024	050	R 1S	
061	SPIRE PLW Ch05-08 . 5-		SPA.I -		S105	021SS-38	5	105-1		CVVUCR	33	211121 P024	061	R 1S	
036	SPIRE PLW Ch05-08 . SHD05		SPA.I -		S105	021SS-38	5	105-1	CS-S105-1	CVVUCR	33	211121 P024	036	R 1S	
-														R	
062	SPIRE PLW Ch05-08 . 6+		SPA.I -		S105	021SS-38	6	105-2		CVVUCR	33	211121 P024	062	R 1S	
051	SPIRE PLW Ch05-08 . 6-		SPA.I -		S105	021SS-38	6	105-2		CVVUCR	33	211121 P024	051	R 1S	
036	SPIRE PLW Ch05-08 . SHD06		SPA.I -		S105	021SS-38	6	105-2	CS-S105-2	CVVUCR	33	211121 P024	036	R 1S	
-														R	
063	SPIRE PLW Ch05-08 . 7+		SPA.I -		S105	021SS-38	7	105-3		CVVUCR	33	211121 P024	063	R 1S	
075	SPIRE PLW Ch05-08 . 7-		SPA.I -		S105	021SS-38	7	105-3		CVVUCR	33	211121 P024	075	R 1S	
036	SPIRE PLW Ch05-08 . SHD07		SPA.I -		S105	021SS-38	7	105-3	CS-S105-3	CVVUCR	33	211121 P024	036	R 1S	
-														R	
074	SPIRE PLW Ch05-08 . 8+		SPA.I -		S105	021SS-38	8	105-4		CVVUCR	33	211121 P024	074	R 1S	
073	SPIRE PLW Ch05-08 . 8-		SPA.I -		S105	021SS-38	8	105-4		CVVUCR	33	211121 P024	073	R 1S	
036	SPIRE PLW Ch05-08 . SHD08		SPA.I -		S105	021SS-38	8	105-4	CS-S105-4	CVVUCR	33	211121 P024	036	R 1S	
-														R	
083	SPIRE PLW Ch09-12 . 9+		SPA.I -		S106	021SS-38	9	106-1		CVVUCR	33	211121 P024	083	R 1S	
072	SPIRE PLW Ch09-12 . 9-		SPA.I -		S106	021SS-38	9	106-1		CVVUCR	33	211121 P024	072	R 1S	

Pin Allocation List

(Harness)

Connector: 312200 J003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE PLW Ch09-12 . SHD09		SPA.I -		S106	021SS-38	9	106-1	CS-S106-1	CVVUCR	33	211121 P024	036	R 1S	
-														R	
095	SPIRE PLW Ch09-12 . 10+		SPA.I -		S106	021SS-38	10	106-2		CVVUCR	33	211121 P024	095	R 1S	
084	SPIRE PLW Ch09-12 . 10-		SPA.I -		S106	021SS-38	10	106-2		CVVUCR	33	211121 P024	084	R 1S	
036	SPIRE PLW Ch09-12 . SHD10		SPA.I -		S106	021SS-38	10	106-2	CS-S106-2	CVVUCR	33	211121 P024	036	R 1S	
-														R	
096	SPIRE PLW Ch09-12 . 11+		SPA.I -		S106	021SS-38	11	106-3		CVVUCR	33	211121 P024	096	R 1S	
085	SPIRE PLW Ch09-12 . 11-		SPA.I -		S106	021SS-38	11	106-3		CVVUCR	33	211121 P024	085	R 1S	
036	SPIRE PLW Ch09-12 . SHD11		SPA.I -		S106	021SS-38	11	106-3	CS-S106-3	CVVUCR	33	211121 P024	036	R 1S	
-														R	
106	SPIRE PLW Ch09-12 . 12+		SPA.I -		S106	021SS-38	12	106-4		CVVUCR	33	211121 P024	106	R 1S	
107	SPIRE PLW Ch09-12 . 12-		SPA.I -		S106	021SS-38	12	106-4		CVVUCR	33	211121 P024	107	R 1S	
036	SPIRE PLW Ch09-12 . SHD12		SPA.I -		S106	021SS-38	12	106-4	CS-S106-4	CVVUCR	33	211121 P024	036	R 1S	
-														R	
086	SPIRE PLW Ch13-16 . 13+		SPA.I -		S109	021SS-38	13	109-1		CVVUCR	33	211121 P024	086	R 1S	
087	SPIRE PLW Ch13-16 . 13-		SPA.I -		S109	021SS-38	13	109-1		CVVUCR	33	211121 P024	087	R 1S	
036	SPIRE PLW Ch13-16 . SHD13		SPA.I -		S109	021SS-38	13	109-1	CS-S109-1	CVVUCR	33	211121 P024	036	R 1S	
-														R	
097	SPIRE PLW Ch13-16 . 14+		SPA.I -		S109	021SS-38	14	109-2		CVVUCR	33	211121 P024	097	R 1S	
098	SPIRE PLW Ch13-16 . 14-		SPA.I -		S109	021SS-38	14	109-2		CVVUCR	33	211121 P024	098	R 1S	
036	SPIRE PLW Ch13-16 . SHD14		SPA.I -		S109	021SS-38	14	109-2	CS-S109-2	CVVUCR	33	211121 P024	036	R 1S	
-														R	
108	SPIRE PLW Ch13-16 . 15+		SPA.I -		S109	021SS-38	15	109-3		CVVUCR	33	211121 P024	108	R 1S	
109	SPIRE PLW Ch13-16 . 15-		SPA.I -		S109	021SS-38	15	109-3		CVVUCR	33	211121 P024	109	R 1S	
036	SPIRE PLW Ch13-16 . SHD15		SPA.I -		S109	021SS-38	15	109-3	CS-S109-3	CVVUCR	33	211121 P024	036	R 1S	
-														R	
116	SPIRE PLW Ch13-16 . 16+		SPA.I -		S109	021SS-38	16	109-4		CVVUCR	33	211121 P024	116	R 1S	
117	SPIRE PLW Ch13-16 . 16-		SPA.I -		S109	021SS-38	16	109-4		CVVUCR	33	211121 P024	117	R 1S	
036	SPIRE PLW Ch13-16 . SHD16		SPA.I -		S109	021SS-38	16	109-4	CS-S109-4	CVVUCR	33	211121 P024	036	R 1S	
-														R	
036	SPIRE PLW B06 GND WIRE A1		SPX.- -		S461	010B0-30				CVVUCR	33	211121 P024	036	R 1S	
-														R	
055	SPIRE PLW Ch17-20 . 17+		SPA.I -		S110	021SS-38	17	110-1		CVVUCR	33	211121 P024	055	R 1S	
066	SPIRE PLW Ch17-20 . 17-		SPA.I -		S110	021SS-38	17	110-1		CVVUCR	33	211121 P024	066	R 1S	

Pin Allocation List

(Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PLW Ch17-20 . SHD17		SPA.I -		S110	021SS-38	17	110-1	CS-S110-1	CVVUCR	33	211121 P024	128	R 1S	
-														R	
067	SPIRE PLW Ch17-20 . 18+		SPA.I -		S110	021SS-38	18	110-2		CVVUCR	33	211121 P024	067	R 1S	
078	SPIRE PLW Ch17-20 . 18-		SPA.I -		S110	021SS-38	18	110-2		CVVUCR	33	211121 P024	078	R 1S	
128	SPIRE PLW Ch17-20 . SHD18		SPA.I -		S110	021SS-38	18	110-2	CS-S110-2	CVVUCR	33	211121 P024	128	R 1S	
-														R	
076	SPIRE PLW Ch17-20 . 19+		SPA.I -		S110	021SS-38	19	110-3		CVVUCR	33	211121 P024	076	R 1S	
077	SPIRE PLW Ch17-20 . 19-		SPA.I -		S110	021SS-38	19	110-3		CVVUCR	33	211121 P024	077	R 1S	
128	SPIRE PLW Ch17-20 . SHD19		SPA.I -		S110	021SS-38	19	110-3	CS-S110-3	CVVUCR	33	211121 P024	128	R 1S	
-														R	
088	SPIRE PLW Ch17-20 . 20+		SPA.I -		S110	021SS-38	20	110-4		CVVUCR	33	211121 P024	088	R 1S	
089	SPIRE PLW Ch17-20 . 20-		SPA.I -		S110	021SS-38	20	110-4		CVVUCR	33	211121 P024	089	R 1S	
128	SPIRE PLW Ch17-20 . SHD20		SPA.I -		S110	021SS-38	20	110-4	CS-S110-4	CVVUCR	33	211121 P024	128	R 1S	
-														R	
099	SPIRE PLW Ch21-24 . 21+		SPA.I -		S111	021SS-38	21	111-1		CVVUCR	33	211121 P024	099	R 1S	
100	SPIRE PLW Ch21-24 . 21-		SPA.I -		S111	021SS-38	21	111-1		CVVUCR	33	211121 P024	100	R 1S	
128	SPIRE PLW Ch21-24 . SHD21		SPA.I -		S111	021SS-38	21	111-1	CS-S111-1	CVVUCR	33	211121 P024	128	R 1S	
-														R	
110	SPIRE PLW Ch21-24 . 22+		SPA.I -		S111	021SS-38	22	111-2		CVVUCR	33	211121 P024	110	R 1S	
111	SPIRE PLW Ch21-24 . 22-		SPA.I -		S111	021SS-38	22	111-2		CVVUCR	33	211121 P024	111	R 1S	
128	SPIRE PLW Ch21-24 . SHD22		SPA.I -		S111	021SS-38	22	111-2	CS-S111-2	CVVUCR	33	211121 P024	128	R 1S	
-														R	
118	SPIRE PLW Ch21-24 . 23+		SPA.I -		S111	021SS-38	23	111-3		CVVUCR	33	211121 P024	118	R 1S	
119	SPIRE PLW Ch21-24 . 23-		SPA.I -		S111	021SS-38	23	111-3		CVVUCR	33	211121 P024	119	R 1S	
128	SPIRE PLW Ch21-24 . SHD23		SPA.I -		S111	021SS-38	23	111-3	CS-S111-3	CVVUCR	33	211121 P024	128	R 1S	
-														R	
112	SPIRE PLW Ch21-24 . 24+		SPA.I -		S111	021SS-38	24	111-4		CVVUCR	33	211121 P024	112	R 1S	
120	SPIRE PLW Ch21-24 . 24-		SPA.I -		S111	021SS-38	24	111-4		CVVUCR	33	211121 P024	120	R 1S	
128	SPIRE PLW Ch21-24 . SHD24		SPA.I -		S111	021SS-38	24	111-4	CS-S111-4	CVVUCR	33	211121 P024	128	R 1S	
-														R	
090	SPIRE PLW Ch25-28 . 25+		SPA.I -		S113	021SS-38	25	113-1		CVVUCR	33	211121 P024	090	R 1S	
079	SPIRE PLW Ch25-28 . 25-		SPA.I -		S113	021SS-38	25	113-1		CVVUCR	33	211121 P024	079	R 1S	
128	SPIRE PLW Ch25-28 . 25gnd		SPA.I -		S113	021SS-38	25	113-1	CS-S113-1	CVVUCR	33	211121 P024	128	R 1S	
-														R	

Pin Allocation List

(Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PLW Ch25-28 . 26+		SPA.I -		S113	021SS-38	26	113-2			CVVUCR	33	211121 P024	102	R 1S
101	SPIRE PLW Ch25-28 . 26-		SPA.I -		S113	021SS-38	26	113-2			CVVUCR	33	211121 P024	101	R 1S
128	SPIRE PLW Ch25-28 . SHD26		SPA.I -		S113	021SS-38	26	113-2	CS-S113-2		CVVUCR	33	211121 P024	128	R 1S
-															R
092	SPIRE PLW Ch25-28 . 27+		SPA.I -		S113	021SS-38	27	113-3			CVVUCR	33	211121 P024	092	R 1S
091	SPIRE PLW Ch25-28 . 27-		SPA.I -		S113	021SS-38	27	113-3			CVVUCR	33	211121 P024	091	R 1S
128	SPIRE PLW Ch25-28 . SHD27		SPA.I -		S113	021SS-38	27	113-3	CS-S113-3		CVVUCR	33	211121 P024	128	R 1S
-															R
103	SPIRE PLW Ch25-28 . 28+		SPA.I -		S113	021SS-38	28	113-4			CVVUCR	33	211121 P024	103	R 1S
113	SPIRE PLW Ch25-28 . 28-		SPA.I -		S113	021SS-38	28	113-4			CVVUCR	33	211121 P024	113	R 1S
128	SPIRE PLW Ch25-28 . SHD28		SPA.I -		S113	021SS-38	28	113-4	CS-S113-4		CVVUCR	33	211121 P024	128	R 1S
-															R
058	SPIRE PLW Ch29-32 . 29+		SPA.I -		S114	021SS-38	29	114-1			CVVUCR	33	211121 P024	058	R 1S
046	SPIRE PLW Ch29-32 . 29-		SPA.I -		S114	021SS-38	29	114-1			CVVUCR	33	211121 P024	046	R 1S
128	SPIRE PLW Ch29-32 . SHD29		SPA.I -		S114	021SS-38	29	114-1	CS-S114-1		CVVUCR	33	211121 P024	128	R 1S
-															R
068	SPIRE PLW Ch29-32 . 30+		SPA.I -		S114	021SS-38	30	114-2			CVVUCR	33	211121 P024	068	R 1S
057	SPIRE PLW Ch29-32 . 30-		SPA.I -		S114	021SS-38	30	114-2			CVVUCR	33	211121 P024	057	R 1S
128	SPIRE PLW Ch29-32 . SHD30		SPA.I -		S114	021SS-38	30	114-2	CSS-114-2		CVVUCR	33	211121 P024	128	R 1S
-															R
069	SPIRE PLW Ch29-32 . 31+		SPA.I -		S114	021SS-38	31	114-3			CVVUCR	33	211121 P024	069	R 1S
080	SPIRE PLW Ch29-32 . 31-		SPA.I -		S114	021SS-38	31	114-3			CVVUCR	33	211121 P024	080	R 1S
128	SPIRE PLW Ch29-32 . SHD31		SPA.I -		S114	021SS-38	31	114-3	CS-S114-3		CVVUCR	33	211121 P024	128	R 1S
-															R
070	SPIRE PLW Ch29-32 . 32+		SPA.I -		S114	021SS-38	32	114-4			CVVUCR	33	211121 P024	070	R 1S
081	SPIRE PLW Ch29-32 . 32-		SPA.I -		S114	021SS-38	32	114-4			CVVUCR	33	211121 P024	081	R 1S
128	SPIRE PLW Ch29-32 . SHD32		SPA.I -		S114	021SS-38	32	114-4	CS-S114-4		CVVUCR	33	211121 P024	128	R 1S
-															R
128	SPIRE PMW B06 GND WIRE A2		SPX.- -		S462	010B0-30					CVVUCR	33	211121 P024	128	R 1S
-															R
023	SPIRE PLW Ch33-36 . 33+		SPA.I -		S115	021SS-38	33	115-1			CVVUCR	33	211121 P024	023	R 1S
034	SPIRE PLW Ch33-36 . 33-		SPA.I -		S115	021SS-38	33	115-1			CVVUCR	33	211121 P024	034	R 1S
004	SPIRE PLW Ch33-36 . SHD33		SPA.I -		S115	021SS-38	33	115-1	CS-S115-1		CVVUCR	33	211121 P024	004	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PLW Ch33-36 . 34+		SPA.I -		S115	021SS-38	34	115-2			CVVUCR	33	211121 P024	033	R 1S
045	SPIRE PLW Ch33-36 . 34-		SPA.I -		S115	021SS-38	34	115-2			CVVUCR	33	211121 P024	045	R 1S
004	SPIRE PLW Ch33-36 . SHD34		SPA.I -		S115	021SS-38	34	115-2	CS-S115-2		CVVUCR	33	211121 P024	004	R 1S
-															R
044	SPIRE PLW Ch33-36 . 35+		SPA.I -		S115	021SS-38	35	115-3			CVVUCR	33	211121 P024	044	R 1S
056	SPIRE PLW Ch33-36 . 35-		SPA.I -		S115	021SS-38	35	115-3			CVVUCR	33	211121 P024	056	R 1S
004	SPIRE PLW Ch33-36 . SHD35		SPA.I -		S115	021SS-38	35	115-3	CS-S115-3		CVVUCR	33	211121 P024	004	R 1S
-															R
022	SPIRE PLW Ch33-36 . 36+		SPA.I -		S115	021SS-38	36	115-4			CVVUCR	33	211121 P024	022	R 1S
032	SPIRE PLW Ch33-36 . 36-		SPA.I -		S115	021SS-38	36	115-4			CVVUCR	33	211121 P024	032	R 1S
004	SPIRE PLW Ch33-36 . SHD36		SPA.I -		S115	021SS-38	36	115-4	CS-S115-4		CVVUCR	33	211121 P024	004	R 1S
-															R
013	SPIRE PLW Ch37-40 . 37+		SPA.I -		S118	021SS-38	37	118-1			CVVUCR	33	211121 P024	013	R 1S
012	SPIRE PLW Ch37-40 . 37-		SPA.I -		S118	021SS-38	37	118-1			CVVUCR	33	211121 P024	012	R 1S
004	SPIRE PLW Ch37-40 . SHD37		SPA.I -		S118	021SS-38	37	118-1	CS-S118-1		CVVUCR	33	211121 P024	004	R 1S
-															R
021	SPIRE PLW Ch37-40 . 38+		SPA.I -		S118	021SS-38	38	118-2			CVVUCR	33	211121 P024	021	R 1S
020	SPIRE PLW Ch37-40 . 38-		SPA.I -		S118	021SS-38	38	118-2			CVVUCR	33	211121 P024	020	R 1S
004	SPIRE PLW Ch37-40 . SHD38		SPA.I -		S118	021SS-38	38	118-2	CS-S118-2		CVVUCR	33	211121 P024	004	R 1S
-															R
031	SPIRE PLW Ch37-40 . 39+		SPA.I -		S118	021SS-38	39	118-3			CVVUCR	33	211121 P024	031	R 1S
043	SPIRE PLW Ch37-40 . 39-		SPA.I -		S118	021SS-38	39	118-3			CVVUCR	33	211121 P024	043	R 1S
004	SPIRE PLW Ch37-40 . SHD39		SPA.I -		S118	021SS-38	39	118-3	CS-S118-3		CVVUCR	33	211121 P024	004	R 1S
-															R
042	SPIRE PLW Ch37-40 . 40+		SPA.I -		S118	021SS-38	40	118-4			CVVUCR	33	211121 P024	042	R 1S
054	SPIRE PLW Ch37-40 . 40-		SPA.I -		S118	021SS-38	40	118-4			CVVUCR	33	211121 P024	054	R 1S
004	SPIRE PLW Ch37-40 . SHD40		SPA.I -		S118	021SS-38	40	118-4	CS-S118-4		CVVUCR	33	211121 P024	004	R 1S
-															R
010	SPIRE PLW Ch41-44 . 41+		SPA.I -		S119	021SS-38	41	119-1			CVVUCR	33	211121 P024	010	R 1S
011	SPIRE PLW Ch41-44 . 41-		SPA.I -		S119	021SS-38	41	119-1			CVVUCR	33	211121 P024	011	R 1S
004	SPIRE PLW Ch41-44 . SHD41		SPA.I -		S119	021SS-38	41	119-1	CS-S119-1		CVVUCR	33	211121 P024	004	R 1S
-															R
019	SPIRE PLW Ch41-44 . 42+		SPA.I -		S119	021SS-38	42	119-2			CVVUCR	33	211121 P024	019	R 1S
029	SPIRE PLW Ch41-44 . 42-		SPA.I -		S119	021SS-38	42	119-2			CVVUCR	33	211121 P024	029	R 1S

Pin Allocation List (Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PLW Ch41-44 . SHD42		SPA.I -		S119	021SS-38	42	119-2	CS-S119-2	CVVUCR	33	211121 P024	004	R 1S	
-														R	
041	SPIRE PLW Ch41-44 . 43+		SPA.I -		S119	021SS-38	43	119-3		CVVUCR	33	211121 P024	041	R 1S	
030	SPIRE PLW Ch41-44 . 43-		SPA.I -		S119	021SS-38	43	119-3		CVVUCR	33	211121 P024	030	R 1S	
004	SPIRE PLW Ch41-44 . SHD43		SPA.I -		S119	021SS-38	43	119-3	CS-S119-3	CVVUCR	33	211121 P024	004	R 1S	
-														R	
053	SPIRE PLW Ch41-44 . 44+		SPA.I -		S119	021SS-38	44	119-4		CVVUCR	33	211121 P024	053	R 1S	
052	SPIRE PLW Ch41-44 . 44-		SPA.I -		S119	021SS-38	44	119-4		CVVUCR	33	211121 P024	052	R 1S	
004	SPIRE PLW Ch41-44 . SHD44		SPA.I -		S119	021SS-38	44	119-4	CS-S119-4	CVVUCR	33	211121 P024	004	R 1S	
-														R	
009	SPIRE PLW Ch45-48 . 45+		SPA.I -		S120	021SS-38	45	120-1		CVVUCR	33	211121 P024	009	R 1S	
017	SPIRE PLW Ch45-48 . 45-		SPA.I -		S120	021SS-38	45	120-1		CVVUCR	33	211121 P024	017	R 1S	
004	SPIRE PLW Ch45-48 . SHD45		SPA.I -		S120	021SS-38	45	120-1	CS-S120-1	CVVUCR	33	211121 P024	004	R 1S	
-														R	
018	SPIRE PLW Ch45-48 . 46+		SPA.I -		S120	021SS-38	46	120-2		CVVUCR	33	211121 P024	018	R 1S	
028	SPIRE PLW Ch45-48 . 46-		SPA.I -		S120	021SS-38	46	120-2		CVVUCR	33	211121 P024	028	R 1S	
004	SPIRE PLW Ch45-48 . SHD46		SPA.I -		S120	021SS-38	46	120-2	CS-S120-2	CVVUCR	33	211121 P024	004	R 1S	
-														R	
016	SPIRE PLW Ch45-48 . 47+		SPA.I -		S120	021SS-38	47	120-3		CVVUCR	33	211121 P024	016	R 1S	
027	SPIRE PLW Ch45-48 . 47-		SPA.I -		S120	021SS-38	47	120-3		CVVUCR	33	211121 P024	027	R 1S	
004	SPIRE PLW Ch45-48 . SHD47		SPA.I -		S120	021SS-38	47	120-3	CS-S120-3	CVVUCR	33	211121 P024	004	R 1S	
-														R	
040	SPIRE PLW Ch45-48 . 48+		SPA.I -		S120	021SS-38	48	120-4		CVVUCR	33	211121 P024	040	R 1S	
039	SPIRE PLW Ch45-48 . 48-		SPA.I -		S120	021SS-38	48	120-4		CVVUCR	33	211121 P024	039	R 1S	
004	SPIRE PLW Ch45-48 . SHD48		SPA.I -		S120	021SS-38	48	120-4	CS-S120-4	CVVUCR	33	211121 P024	004	R 1S	
-														R	
004	SPIRE PMW B06 GND WIRE A4		SPX.- -		S464	010B0-30				CVVUCR	33	211121 P024	004	R 1S	
-														R	
047	SPIRE PMW B06 GND WIRE A3		SPX.- -		S463	010B0-30				CVVUCR	33	211121 P024	047	R 1S	
-														R	
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S	
004	to be con to pin 036													1S	
047	to be con to pin 036													1S	

Pin Allocation List (Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
005	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
024	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
093	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
105	to be con as part of FCR									Faraday Cage Ring (FCR)					R
114	to be con as part of FCR									Faraday Cage Ring (FCR)					R
115	to be con as part of FCR									Faraday Cage Ring (FCR)					R
121	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be co to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)		-							Insulation required between IOS and OOS					R
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									:064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PSW (5) Ch01-04 . 1+	SPC.I	-		S158	021SS-38	1	158-1		HSSVMCB2	27	312200 J004	026	1S	R	
037	SPIRE PSW (5) Ch01-04 . 1-	SPC.I	-		S158	021SS-38	1	158-1		HSSVMCB2	27	312200 J004	037	1S	R	
036	SPIRE PSW (5) Ch01-04 . SHD01	SPC.I	-		S158	021SS-38	1	158-1	CS-S158-1	HSSVMCB2	27	312200 J004	036	1S	R	
-																
038	SPIRE PSW (5) Ch01-04 . 2+	SPC.I	-		S158	021SS-38	2	158-2		HSSVMCB2	27	312200 J004	038	1S	R	
049	SPIRE PSW (5) Ch01-04 . 2-	SPC.I	-		S158	021SS-38	2	158-2		HSSVMCB2	27	312200 J004	049	1S	R	
036	SPIRE PSW (5) Ch01-04 . SHD02	SPC.I	-		S158	021SS-38	2	158-2	CS-S158-2	HSSVMCB2	27	312200 J004	036	1S	R	
-																
048	SPIRE PSW (5) Ch01-04 . 3+	SPC.I	-		S158	021SS-38	3	158-3		HSSVMCB2	27	312200 J004	048	1S	R	
060	SPIRE PSW (5) Ch01-04 . 3-	SPC.I	-		S158	021SS-38	3	158-3		HSSVMCB2	27	312200 J004	060	1S	R	
036	SPIRE PSW (5) Ch01-04 . SHD03	SPC.I	-		S158	021SS-38	3	158-3	CS-S158-3	HSSVMCB2	27	312200 J004	036	1S	R	
-																
059	SPIRE PSW (5) Ch01-04 . 4+	SPC.I	-		S158	021SS-38	4	158-4		HSSVMCB2	27	312200 J004	059	1S	R	
071	SPIRE PSW (5) Ch01-04 . 4-	SPC.I	-		S158	021SS-38	4	158-4		HSSVMCB2	27	312200 J004	071	1S	R	
036	SPIRE PSW (5) Ch01-04 . SHD04	SPC.I	-		S158	021SS-38	4	158-4	CS-S158-4	HSSVMCB2	27	312200 J004	036	1S	R	
-																
050	SPIRE PSW (5) Ch05-08 . 5+	SPC.I	-		S159	021SS-38	5	159-1		HSSVMCB2	27	312200 J004	050	1S	R	
061	SPIRE PSW (5) Ch05-08 . 5-	SPC.I	-		S159	021SS-38	5	159-1		HSSVMCB2	27	312200 J004	061	1S	R	
036	SPIRE PSW (5) Ch05-08 . SHD05	SPC.I	-		S159	021SS-38	5	159-1	CS-S159-1	HSSVMCB2	27	312200 J004	036	1S	R	
-																
062	SPIRE PSW (5) Ch05-08 . 6+	SPC.I	-		S159	021SS-38	6	159-2		HSSVMCB2	27	312200 J004	062	1S	R	
051	SPIRE PSW (5) Ch05-08 . 6-	SPC.I	-		S159	021SS-38	6	159-2		HSSVMCB2	27	312200 J004	051	1S	R	
036	SPIRE PSW (5) Ch05-08 . SHD06	SPC.I	-		S159	021SS-38	6	159-2	CS-S159-2	HSSVMCB2	27	312200 J004	036	1S	R	
-																
063	SPIRE PSW (5) Ch05-08 . 7+	SPC.I	-		S159	021SS-38	7	159-3		HSSVMCB2	27	312200 J004	063	1S	R	
075	SPIRE PSW (5) Ch05-08 . 7-	SPC.I	-		S159	021SS-38	7	159-3		HSSVMCB2	27	312200 J004	075	1S	R	
036	SPIRE PSW (5) Ch05-08 . SHD07	SPC.I	-		S159	021SS-38	7	159-3	CS-S159-3	HSSVMCB2	27	312200 J004	036	1S	R	
-																
074	SPIRE PSW (5) Ch05-08 . 8+	SPC.I	-		S159	021SS-38	8	159-4		HSSVMCB2	27	312200 J004	074	1S	R	
073	SPIRE PSW (5) Ch05-08 . 8-	SPC.I	-		S159	021SS-38	8	159-4		HSSVMCB2	27	312200 J004	073	1S	R	
036	SPIRE PSW (5) Ch05-08 . SHD08	SPC.I	-		S159	021SS-38	8	159-4	CS-S159-4	HSSVMCB2	27	312200 J004	036	1S	R	
-																
083	SPIRE PSW (5) Ch09-12 . 9+	SPC.I	-		S160	021SS-38	9	160-1		HSSVMCB2	27	312200 J004	083	1S	R	
072	SPIRE PSW (5) Ch09-12 . 9-	SPC.I	-		S160	021SS-38	9	160-1		HSSVMCB2	27	312200 J004	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.I -		S160	021SS-38	9	160-1		CS-S160-1	HSSVMCB2	27	312200 J004	036	1S	R
-																
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.I -		S160	021SS-38	10	160-2			HSSVMCB2	27	312200 J004	095	1S	R
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.I -		S160	021SS-38	10	160-2			HSSVMCB2	27	312200 J004	084	1S	R
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.I -		S160	021SS-38	10	160-2		CS-S160-2	HSSVMCB2	27	312200 J004	036	1S	R
-																
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.I -		S160	021SS-38	11	160-3			HSSVMCB2	27	312200 J004	096	1S	R
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.I -		S160	021SS-38	11	160-3			HSSVMCB2	27	312200 J004	085	1S	R
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.I -		S160	021SS-38	11	160-3		CS-S160-3	HSSVMCB2	27	312200 J004	036	1S	R
-																
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.I -		S160	021SS-38	12	160-4			HSSVMCB2	27	312200 J004	106	1S	R
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.I -		S160	021SS-38	12	160-4			HSSVMCB2	27	312200 J004	107	1S	R
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.I -		S160	021SS-38	12	160-4		CS-S160-4	HSSVMCB2	27	312200 J004	036	1S	R
-																
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.I -		S163	021SS-38	13	163-1			HSSVMCB2	27	312200 J004	086	1S	R
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.I -		S163	021SS-38	13	163-1			HSSVMCB2	27	312200 J004	087	1S	R
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.I -		S163	021SS-38	13	163-1		CS-S163-1	HSSVMCB2	27	312200 J004	036	1S	R
-																
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.I -		S163	021SS-38	14	163-2			HSSVMCB2	27	312200 J004	097	1S	R
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.I -		S163	021SS-38	14	163-2			HSSVMCB2	27	312200 J004	098	1S	R
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.I -		S163	021SS-38	14	163-2		CS-S163-2	HSSVMCB2	27	312200 J004	036	1S	R
-																
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.I -		S163	021SS-38	15	163-3			HSSVMCB2	27	312200 J004	108	1S	R
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.I -		S163	021SS-38	15	163-3			HSSVMCB2	27	312200 J004	109	1S	R
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.I -		S163	021SS-38	15	163-3		CS-S163-3	HSSVMCB2	27	312200 J004	036	1S	R
-																
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.I -		S163	021SS-38	16	163-4			HSSVMCB2	27	312200 J004	116	1S	R
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.I -		S163	021SS-38	16	163-4			HSSVMCB2	27	312200 J004	117	1S	R
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.I -		S163	021SS-38	16	163-4		CS-S163-4	HSSVMCB2	27	312200 J004	036	1S	R
-																
036	SPIRE PLW B07 GND WIRE A1		SPX.- -		S471	010B0-30					HSSVMCB2	27	312200 J004	036	1S	R
-																
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.I -		S164	021SS-38	17	164-1			HSSVMCB2	27	312200 J004	055	1S	R
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.I -		S164	021SS-38	17	164-1			HSSVMCB2	27	312200 J004	066	1S	R

Pin Allocation List

(Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.I -		S164	021SS-38	17	164-1	CS-S164-1	HSSVMCB2	27	312200 J004	128	1S	R	
-																
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.I -		S164	021SS-38	18	164-2		HSSVMCB2	27	312200 J004	067	1S	R	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.I -		S164	021SS-38	18	164-2		HSSVMCB2	27	312200 J004	078	1S	R	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.I -		S164	021SS-38	18	164-2	CS-S164-2	HSSVMCB2	27	312200 J004	128	1S	R	
-																
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.I -		S164	021SS-38	19	164-3		HSSVMCB2	27	312200 J004	076	1S	R	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.I -		S164	021SS-38	19	164-3		HSSVMCB2	27	312200 J004	077	1S	R	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.I -		S164	021SS-38	19	164-3	CS-S164-3	HSSVMCB2	27	312200 J004	128	1S	R	
-																
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.I -		S164	021SS-38	20	164-4		HSSVMCB2	27	312200 J004	088	1S	R	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.I -		S164	021SS-38	20	164-4		HSSVMCB2	27	312200 J004	089	1S	R	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.I -		S164	021SS-38	20	164-4	CS-S164-4	HSSVMCB2	27	312200 J004	128	1S	R	
-																
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.I -		S165	021SS-38	21	165-1		HSSVMCB2	27	312200 J004	099	1S	R	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.I -		S165	021SS-38	21	165-1		HSSVMCB2	27	312200 J004	100	1S	R	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.I -		S165	021SS-38	21	165-1	CS-S165-1	HSSVMCB2	27	312200 J004	128	1S	R	
-																
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.I -		S165	021SS-38	22	165-2		HSSVMCB2	27	312200 J004	110	1S	R	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.I -		S165	021SS-38	22	165-2		HSSVMCB2	27	312200 J004	111	1S	R	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.I -		S165	021SS-38	22	165-2	CS-S165-2	HSSVMCB2	27	312200 J004	128	1S	R	
-																
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.I -		S165	021SS-38	23	165-3		HSSVMCB2	27	312200 J004	118	1S	R	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.I -		S165	021SS-38	23	165-3		HSSVMCB2	27	312200 J004	119	1S	R	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.I -		S165	021SS-38	23	165-3	CS-S165-3	HSSVMCB2	27	312200 J004	128	1S	R	
-																
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.I -		S165	021SS-38	24	165-4		HSSVMCB2	27	312200 J004	112	1S	R	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.I -		S165	021SS-38	24	165-4		HSSVMCB2	27	312200 J004	120	1S	R	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.I -		S165	021SS-38	24	165-4	CS-S165-4	HSSVMCB2	27	312200 J004	128	1S	R	
-																
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.I -		S167	021SS-38	25	167-1		HSSVMCB2	27	312200 J004	090	1S	R	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.I -		S167	021SS-38	25	167-1		HSSVMCB2	27	312200 J004	079	1S	R	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.I -		S167	021SS-38	25	167-1	CS-S167-1	HSSVMCB2	27	312200 J004	128	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PSW (6) Ch25-28 . 26+	SPC.I	-		S167	021SS-38	26	167-2		HSSVMCB2	27	312200 J004	102	1S	R	
101	SPIRE PSW (6) Ch25-28 . 26-	SPC.I	-		S167	021SS-38	26	167-2		HSSVMCB2	27	312200 J004	101	1S	R	
128	SPIRE PSW (6) Ch25-28 . SHD26	SPC.I	-		S167	021SS-38	26	167-2	CS-S167-2	HSSVMCB2	27	312200 J004	128	1S	R	
-																
092	SPIRE PSW (6) Ch25-28 . 27+	SPC.I	-		S167	021SS-38	27	167-3		HSSVMCB2	27	312200 J004	092	1S	R	
091	SPIRE PSW (6) Ch25-28 . 27-	SPC.I	-		S167	021SS-38	27	167-3		HSSVMCB2	27	312200 J004	091	1S	R	
128	SPIRE PSW (6) Ch25-28 . SHD27	SPC.I	-		S167	021SS-38	27	167-3	CS-S167-3	HSSVMCB2	27	312200 J004	128	1S	R	
-																
103	SPIRE PSW (6) Ch25-28 . 28+	SPC.I	-		S167	021SS-38	28	167-4		HSSVMCB2	27	312200 J004	103	1S	R	
113	SPIRE PSW (6) Ch25-28 . 28-	SPC.I	-		S167	021SS-38	28	167-4		HSSVMCB2	27	312200 J004	113	1S	R	
128	SPIRE PSW (6) Ch25-28 . SHD28	SPC.I	-		S167	021SS-38	28	167-4	CS-S167-4	HSSVMCB2	27	312200 J004	128	1S	R	
-																
058	SPIRE PSW (6) Ch29-32 . 29+	SPC.I	-		S168	021SS-38	29	168-1		HSSVMCB2	27	312200 J004	058	1S	R	
046	SPIRE PSW (6) Ch29-32 . 29-	SPC.I	-		S168	021SS-38	29	168-1		HSSVMCB2	27	312200 J004	046	1S	R	
128	SPIRE PSW (6) Ch29-32 . SHD29	SPC.I	-		S168	021SS-38	29	168-1	CS-S168-1	HSSVMCB2	27	312200 J004	128	1S	R	
-																
068	SPIRE PSW (6) Ch29-32 . 30+	SPC.I	-		S168	021SS-38	30	168-2		HSSVMCB2	27	312200 J004	068	1S	R	
057	SPIRE PSW (6) Ch29-32 . 30-	SPC.I	-		S168	021SS-38	30	168-2		HSSVMCB2	27	312200 J004	057	1S	R	
128	SPIRE PSW (6) Ch29-32 . SHD30	SPC.I	-		S168	021SS-38	30	168-2	CS-S168-2	HSSVMCB2	27	312200 J004	128	1S	R	
-																
069	SPIRE PSW (6) Ch29-32 . 31+	SPC.I	-		S168	021SS-38	31	168-3		HSSVMCB2	27	312200 J004	069	1S	R	
080	SPIRE PSW (6) Ch29-32 . 31-	SPC.I	-		S168	021SS-38	31	168-3		HSSVMCB2	27	312200 J004	080	1S	R	
128	SPIRE PSW (6) Ch29-32 . SHD31	SPC.I	-		S168	021SS-38	31	168-3	CS-S168-3	HSSVMCB2	27	312200 J004	128	1S	R	
-																
070	SPIRE PSW (6) Ch29-32 . 32+	SPC.I	-		S168	021SS-38	32	168-4		HSSVMCB2	27	312200 J004	070	1S	R	
081	SPIRE PSW (6) Ch29-32 . 32-	SPC.I	-		S168	021SS-38	32	168-4		HSSVMCB2	27	312200 J004	081	1S	R	
128	SPIRE PSW (6) Ch29-32 . SHD32	SPC.I	-		S168	021SS-38	32	168-4	CS-S168-4	HSSVMCB2	27	312200 J004	128	1S	R	
-																
128	SPIRE PLW B07 GND WIRE A2	SPX.-	-		S472	010B0-30				HSSVMCB2	27	312200 J004	128	1S	R	
-																
023	SPIRE PSW (6) Ch33-36 . 33+	SPC.I	-		S169	021SS-38	33	169-1		HSSVMCB2	27	312200 J004	023	1S	R	
034	SPIRE PSW (6) Ch33-36 . 33-	SPC.I	-		S169	021SS-38	33	169-1		HSSVMCB2	27	312200 J004	034	1S	R	
004	SPIRE PSW (6) Ch33-36 . SHD33	SPC.I	-		S169	021SS-38	33	169-1	CS-S169-1	HSSVMCB2	27	312200 J004	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.I -		S169	021SS-38	34	169-2		HSSVMCB2	27	312200 J004	033	1S	R	
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.I -		S169	021SS-38	34	169-2		HSSVMCB2	27	312200 J004	045	1S	R	
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.I -		S169	021SS-38	34	169-2	CS-S169-2	HSSVMCB2	27	312200 J004	004	1S	R	
-																
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.I -		S169	021SS-38	35	169-3		HSSVMCB2	27	312200 J004	044	1S	R	
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.I -		S169	021SS-38	35	169-3		HSSVMCB2	27	312200 J004	056	1S	R	
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.I -		S169	021SS-38	35	169-3	CS-S169-3	HSSVMCB2	27	312200 J004	004	1S	R	
-																
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.I -		S169	021SS-38	36	169-4		HSSVMCB2	27	312200 J004	022	1S	R	
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.I -		S169	021SS-38	36	169-4		HSSVMCB2	27	312200 J004	032	1S	R	
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.I -		S169	021SS-38	36	169-4	CS-S169-4	HSSVMCB2	27	312200 J004	004	1S	R	
-																
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.I -		S172	021SS-38	37	172-1		HSSVMCB2	27	312200 J004	013	1S	R	
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.I -		S172	021SS-38	37	172-1		HSSVMCB2	27	312200 J004	012	1S	R	
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.I -		S172	021SS-38	37	172-1	CS-S172-1	HSSVMCB2	27	312200 J004	004	1S	R	
-																
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.I -		S172	021SS-38	38	172-2		HSSVMCB2	27	312200 J004	021	1S	R	
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.I -		S172	021SS-38	38	172-2		HSSVMCB2	27	312200 J004	020	1S	R	
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.I -		S172	021SS-38	38	172-2	CS-S172-2	HSSVMCB2	27	312200 J004	004	1S	R	
-																
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.I -		S172	021SS-38	39	172-3		HSSVMCB2	27	312200 J004	031	1S	R	
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.I -		S172	021SS-38	39	172-3		HSSVMCB2	27	312200 J004	043	1S	R	
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.I -		S172	021SS-38	39	172-3	CS-S172-3	HSSVMCB2	27	312200 J004	004	1S	R	
-																
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.I -		S172	021SS-38	40	172-4		HSSVMCB2	27	312200 J004	042	1S	R	
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.I -		S172	021SS-38	40	172-4		HSSVMCB2	27	312200 J004	054	1S	R	
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.I -		S172	021SS-38	40	172-4	CS-S172-4	HSSVMCB2	27	312200 J004	004	1S	R	
-																
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.I -		S173	021SS-38	41	173-1		HSSVMCB2	27	312200 J004	010	1S	R	
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.I -		S173	021SS-38	41	173-1		HSSVMCB2	27	312200 J004	011	1S	R	
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.I -		S173	021SS-38	41	173-1	CS-S173-1	HSSVMCB2	27	312200 J004	004	1S	R	
-																
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.I -		S173	021SS-38	42	173-2		HSSVMCB2	27	312200 J004	019	1S	R	
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.I -		S173	021SS-38	42	173-2		HSSVMCB2	27	312200 J004	029	1S	R	

Pin Allocation List (Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.I	-	S173	021SS-38	42	173-2	CS-S173-2	HSSVMCB2	27	312200 J004	004	1S	R	
-																
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.I	-	S173	021SS-38	43	173-3		HSSVMCB2	27	312200 J004	041	1S	R	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.I	-	S173	021SS-38	43	173-3		HSSVMCB2	27	312200 J004	030	1S	R	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.I	-	S173	021SS-38	43	173-3	CS-S173-3	HSSVMCB2	27	312200 J004	004	1S	R	
-																
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.I	-	S173	021SS-38	44	173-4		HSSVMCB2	27	312200 J004	053	1S	R	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.I	-	S173	021SS-38	44	173-4		HSSVMCB2	27	312200 J004	052	1S	R	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.I	-	S173	021SS-38	44	173-4	CS-S173-4	HSSVMCB2	27	312200 J004	004	1S	R	
-																
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.I	-	S174	021SS-38	45	174-1		HSSVMCB2	27	312200 J004	009	1S	R	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.I	-	S174	021SS-38	45	174-1		HSSVMCB2	27	312200 J004	017	1S	R	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.I	-	S174	021SS-38	45	174-1	CS-S174-1	HSSVMCB2	27	312200 J004	004	1S	R	
-																
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.I	-	S174	021SS-38	46	174-2		HSSVMCB2	27	312200 J004	018	1S	R	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.I	-	S174	021SS-38	46	174-2		HSSVMCB2	27	312200 J004	028	1S	R	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.I	-	S174	021SS-38	46	174-2	CS-S174-2	HSSVMCB2	27	312200 J004	004	1S	R	
-																
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.I	-	S174	021SS-38	47	174-3		HSSVMCB2	27	312200 J004	016	1S	R	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.I	-	S174	021SS-38	47	174-3		HSSVMCB2	27	312200 J004	027	1S	R	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.I	-	S174	021SS-38	47	174-3	CS-S174-3	HSSVMCB2	27	312200 J004	004	1S	R	
-																
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.I	-	S174	021SS-38	48	174-4		HSSVMCB2	27	312200 J004	040	1S	R	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.I	-	S174	021SS-38	48	174-4		HSSVMCB2	27	312200 J004	039	1S	R	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.I	-	S174	021SS-38	48	174-4	CS-S174-4	HSSVMCB2	27	312200 J004	004	1S	R	
-														1S		
004	SPIRE PLW B07 GND WIRE A4		SPX.-	-	S474	010B0-30				HSSVMCB2	27	312200 J004	004	1S	R	
-																
047	SPIRE PLW B07 GND WIRE A3		SPX.-	-	S473	010B0-30				HSSVMCB2	27	312200 J004	047	1S	R	
-																
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
004	to be con to pin 036													1S		
047	to be con to pin 036													1S		

Pin Allocation List (Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P025
Item: CVVUCR

Function / Bundle: UFTThr 235.0° / SIH-XS-07

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW (5) Ch01-04 . 1+	SPC.I	-		S158	021SS-38	1	158-1		CVVUCR	33	211121 P025	026	R	1S
037	SPIRE PSW (5) Ch01-04 . 1-	SPC.I	-		S158	021SS-38	1	158-1		CVVUCR	33	211121 P025	037	R	1S
036	SPIRE PSW (5) Ch01-04 . SHD01	SPC.I	-		S158	021SS-38	1	158-1	CS-S158-1	CVVUCR	33	211121 P025	036	R	1S
-															R
038	SPIRE PSW (5) Ch01-04 . 2+	SPC.I	-		S158	021SS-38	2	158-2		CVVUCR	33	211121 P025	038	R	1S
049	SPIRE PSW (5) Ch01-04 . 2-	SPC.I	-		S158	021SS-38	2	158-2		CVVUCR	33	211121 P025	049	R	1S
036	SPIRE PSW (5) Ch01-04 . SHD02	SPC.I	-		S158	021SS-38	2	158-2	CS-S158-2	CVVUCR	33	211121 P025	036	R	1S
-															R
048	SPIRE PSW (5) Ch01-04 . 3+	SPC.I	-		S158	021SS-38	3	158-3		CVVUCR	33	211121 P025	048	R	1S
060	SPIRE PSW (5) Ch01-04 . 3-	SPC.I	-		S158	021SS-38	3	158-3		CVVUCR	33	211121 P025	060	R	1S
036	SPIRE PSW (5) Ch01-04 . SHD03	SPC.I	-		S158	021SS-38	3	158-3	CS-S158-3	CVVUCR	33	211121 P025	036	R	1S
-															R
059	SPIRE PSW (5) Ch01-04 . 4+	SPC.I	-		S158	021SS-38	4	158-4		CVVUCR	33	211121 P025	059	R	1S
071	SPIRE PSW (5) Ch01-04 . 4-	SPC.I	-		S158	021SS-38	4	158-4		CVVUCR	33	211121 P025	071	R	1S
036	SPIRE PSW (5) Ch01-04 . SHD04	SPC.I	-		S158	021SS-38	4	158-4	CS-S158-4	CVVUCR	33	211121 P025	036	R	1S
-															R
050	SPIRE PSW (5) Ch05-08 . 5+	SPC.I	-		S159	021SS-38	5	159-1		CVVUCR	33	211121 P025	050	R	1S
061	SPIRE PSW (5) Ch05-08 . 5-	SPC.I	-		S159	021SS-38	5	159-1		CVVUCR	33	211121 P025	061	R	1S
036	SPIRE PSW (5) Ch05-08 . SHD05	SPC.I	-		S159	021SS-38	5	159-1	CS-S159-1	CVVUCR	33	211121 P025	036	R	1S
-															R
062	SPIRE PSW (5) Ch05-08 . 6+	SPC.I	-		S159	021SS-38	6	159-2		CVVUCR	33	211121 P025	062	R	1S
051	SPIRE PSW (5) Ch05-08 . 6-	SPC.I	-		S159	021SS-38	6	159-2		CVVUCR	33	211121 P025	051	R	1S
036	SPIRE PSW (5) Ch05-08 . SHD06	SPC.I	-		S159	021SS-38	6	159-2	CS-S159-2	CVVUCR	33	211121 P025	036	R	1S
-															R
063	SPIRE PSW (5) Ch05-08 . 7+	SPC.I	-		S159	021SS-38	7	159-3		CVVUCR	33	211121 P025	063	R	1S
075	SPIRE PSW (5) Ch05-08 . 7-	SPC.I	-		S159	021SS-38	7	159-3		CVVUCR	33	211121 P025	075	R	1S
036	SPIRE PSW (5) Ch05-08 . SHD07	SPC.I	-		S159	021SS-38	7	159-3	CS-S159-3	CVVUCR	33	211121 P025	036	R	1S
-															R
074	SPIRE PSW (5) Ch05-08 . 8+	SPC.I	-		S159	021SS-38	8	159-4		CVVUCR	33	211121 P025	074	R	1S
073	SPIRE PSW (5) Ch05-08 . 8-	SPC.I	-		S159	021SS-38	8	159-4		CVVUCR	33	211121 P025	073	R	1S
036	SPIRE PSW (5) Ch05-08 . SHD08	SPC.I	-		S159	021SS-38	8	159-4	CS-S159-4	CVVUCR	33	211121 P025	036	R	1S
-															R
083	SPIRE PSW (5) Ch09-12 . 9+	SPC.I	-		S160	021SS-38	9	160-1		CVVUCR	33	211121 P025	083	R	1S
072	SPIRE PSW (5) Ch09-12 . 9-	SPC.I	-		S160	021SS-38	9	160-1		CVVUCR	33	211121 P025	072	R	1S

Pin Allocation List

(Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.I -		S160	021SS-38	9	160-1		CS-S160-1	CVVUCR	33	211121 P025	036	R 1S
-															R
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.I -		S160	021SS-38	10	160-2			CVVUCR	33	211121 P025	095	R 1S
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.I -		S160	021SS-38	10	160-2			CVVUCR	33	211121 P025	084	R 1S
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.I -		S160	021SS-38	10	160-2		CS-S160-2	CVVUCR	33	211121 P025	036	R 1S
-															R
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.I -		S160	021SS-38	11	160-3			CVVUCR	33	211121 P025	096	R 1S
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.I -		S160	021SS-38	11	160-3			CVVUCR	33	211121 P025	085	R 1S
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.I -		S160	021SS-38	11	160-3		CS-S160-3	CVVUCR	33	211121 P025	036	R 1S
-															R
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.I -		S160	021SS-38	12	160-4			CVVUCR	33	211121 P025	106	R 1S
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.I -		S160	021SS-38	12	160-4			CVVUCR	33	211121 P025	107	R 1S
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.I -		S160	021SS-38	12	160-4		CS-S160-4	CVVUCR	33	211121 P025	036	R 1S
-															R
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.I -		S163	021SS-38	13	163-1			CVVUCR	33	211121 P025	086	R 1S
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.I -		S163	021SS-38	13	163-1			CVVUCR	33	211121 P025	087	R 1S
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.I -		S163	021SS-38	13	163-1		CS-S163-1	CVVUCR	33	211121 P025	036	R 1S
-															R
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.I -		S163	021SS-38	14	163-2			CVVUCR	33	211121 P025	097	R 1S
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.I -		S163	021SS-38	14	163-2			CVVUCR	33	211121 P025	098	R 1S
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.I -		S163	021SS-38	14	163-2		CS-S163-2	CVVUCR	33	211121 P025	036	R 1S
-															R
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.I -		S163	021SS-38	15	163-3			CVVUCR	33	211121 P025	108	R 1S
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.I -		S163	021SS-38	15	163-3			CVVUCR	33	211121 P025	109	R 1S
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.I -		S163	021SS-38	15	163-3		CS-S163-3	CVVUCR	33	211121 P025	036	R 1S
-															R
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.I -		S163	021SS-38	16	163-4			CVVUCR	33	211121 P025	116	R 1S
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.I -		S163	021SS-38	16	163-4			CVVUCR	33	211121 P025	117	R 1S
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.I -		S163	021SS-38	16	163-4		CS-S163-4	CVVUCR	33	211121 P025	036	R 1S
-															R
036	SPIRE PLW B07 GND WIRE A1		SPX.- -		S471	010B0-30					CVVUCR	33	211121 P025	036	R 1S
-															R
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.I -		S164	021SS-38	17	164-1			CVVUCR	33	211121 P025	055	R 1S
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.I -		S164	021SS-38	17	164-1			CVVUCR	33	211121 P025	066	R 1S

Pin Allocation List

(Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											R	1S
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.I -		S164	021SS-38	17	164-1	CS-S164-1	CVVUCR	33	211121 P025	128	R	1S	
-														R		
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.I -		S164	021SS-38	18	164-2		CVVUCR	33	211121 P025	067	R	1S	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.I -		S164	021SS-38	18	164-2		CVVUCR	33	211121 P025	078	R	1S	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.I -		S164	021SS-38	18	164-2	CS-S164-2	CVVUCR	33	211121 P025	128	R	1S	
-														R		
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.I -		S164	021SS-38	19	164-3		CVVUCR	33	211121 P025	076	R	1S	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.I -		S164	021SS-38	19	164-3		CVVUCR	33	211121 P025	077	R	1S	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.I -		S164	021SS-38	19	164-3	CS-S164-3	CVVUCR	33	211121 P025	128	R	1S	
-														R		
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.I -		S164	021SS-38	20	164-4		CVVUCR	33	211121 P025	088	R	1S	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.I -		S164	021SS-38	20	164-4		CVVUCR	33	211121 P025	089	R	1S	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.I -		S164	021SS-38	20	164-4	CS-S164-4	CVVUCR	33	211121 P025	128	R	1S	
-														R		
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.I -		S165	021SS-38	21	165-1		CVVUCR	33	211121 P025	099	R	1S	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.I -		S165	021SS-38	21	165-1		CVVUCR	33	211121 P025	100	R	1S	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.I -		S165	021SS-38	21	165-1	CS-S165-1	CVVUCR	33	211121 P025	128	R	1S	
-														R		
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.I -		S165	021SS-38	22	165-2		CVVUCR	33	211121 P025	110	R	1S	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.I -		S165	021SS-38	22	165-2		CVVUCR	33	211121 P025	111	R	1S	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.I -		S165	021SS-38	22	165-2	CS-S165-2	CVVUCR	33	211121 P025	128	R	1S	
-														R		
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.I -		S165	021SS-38	23	165-3		CVVUCR	33	211121 P025	118	R	1S	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.I -		S165	021SS-38	23	165-3		CVVUCR	33	211121 P025	119	R	1S	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.I -		S165	021SS-38	23	165-3	CS-S165-3	CVVUCR	33	211121 P025	128	R	1S	
-														R		
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.I -		S165	021SS-38	24	165-4		CVVUCR	33	211121 P025	112	R	1S	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.I -		S165	021SS-38	24	165-4		CVVUCR	33	211121 P025	120	R	1S	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.I -		S165	021SS-38	24	165-4	CS-S165-4	CVVUCR	33	211121 P025	128	R	1S	
-														R		
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.I -		S167	021SS-38	25	167-1		CVVUCR	33	211121 P025	090	R	1S	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.I -		S167	021SS-38	25	167-1		CVVUCR	33	211121 P025	079	R	1S	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.I -		S167	021SS-38	25	167-1	CS-S167-1	CVVUCR	33	211121 P025	128	R	1S	
-														R		

Pin Allocation List

(Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PSW (6) Ch25-28 . 26+	SPC.I	-		S167	021SS-38	26	167-2		CVVUCR	33	211121 P025	102	R 1S	
101	SPIRE PSW (6) Ch25-28 . 26-	SPC.I	-		S167	021SS-38	26	167-2		CVVUCR	33	211121 P025	101	R 1S	
128	SPIRE PSW (6) Ch25-28 . SHD26	SPC.I	-		S167	021SS-38	26	167-2	CS-S167-2	CVVUCR	33	211121 P025	128	R 1S	
-														R	
092	SPIRE PSW (6) Ch25-28 . 27+	SPC.I	-		S167	021SS-38	27	167-3		CVVUCR	33	211121 P025	092	R 1S	
091	SPIRE PSW (6) Ch25-28 . 27-	SPC.I	-		S167	021SS-38	27	167-3		CVVUCR	33	211121 P025	091	R 1S	
128	SPIRE PSW (6) Ch25-28 . SHD27	SPC.I	-		S167	021SS-38	27	167-3	CS-S167-3	CVVUCR	33	211121 P025	128	R 1S	
-														R	
103	SPIRE PSW (6) Ch25-28 . 28+	SPC.I	-		S167	021SS-38	28	167-4		CVVUCR	33	211121 P025	103	R 1S	
113	SPIRE PSW (6) Ch25-28 . 28-	SPC.I	-		S167	021SS-38	28	167-4		CVVUCR	33	211121 P025	113	R 1S	
128	SPIRE PSW (6) Ch25-28 . SHD28	SPC.I	-		S167	021SS-38	28	167-4	CS-S167-4	CVVUCR	33	211121 P025	128	R 1S	
-														R	
058	SPIRE PSW (6) Ch29-32 . 29+	SPC.I	-		S168	021SS-38	29	168-1		CVVUCR	33	211121 P025	058	R 1S	
046	SPIRE PSW (6) Ch29-32 . 29-	SPC.I	-		S168	021SS-38	29	168-1		CVVUCR	33	211121 P025	046	R 1S	
128	SPIRE PSW (6) Ch29-32 . SHD29	SPC.I	-		S168	021SS-38	29	168-1	CS-S168-1	CVVUCR	33	211121 P025	128	R 1S	
-														R	
068	SPIRE PSW (6) Ch29-32 . 30+	SPC.I	-		S168	021SS-38	30	168-2		CVVUCR	33	211121 P025	068	R 1S	
057	SPIRE PSW (6) Ch29-32 . 30-	SPC.I	-		S168	021SS-38	30	168-2		CVVUCR	33	211121 P025	057	R 1S	
128	SPIRE PSW (6) Ch29-32 . SHD30	SPC.I	-		S168	021SS-38	30	168-2	CS-S168-2	CVVUCR	33	211121 P025	128	R 1S	
-														R	
069	SPIRE PSW (6) Ch29-32 . 31+	SPC.I	-		S168	021SS-38	31	168-3		CVVUCR	33	211121 P025	069	R 1S	
080	SPIRE PSW (6) Ch29-32 . 31-	SPC.I	-		S168	021SS-38	31	168-3		CVVUCR	33	211121 P025	080	R 1S	
128	SPIRE PSW (6) Ch29-32 . SHD31	SPC.I	-		S168	021SS-38	31	168-3	CS-S168-3	CVVUCR	33	211121 P025	128	R 1S	
-														R	
070	SPIRE PSW (6) Ch29-32 . 32+	SPC.I	-		S168	021SS-38	32	168-4		CVVUCR	33	211121 P025	070	R 1S	
081	SPIRE PSW (6) Ch29-32 . 32-	SPC.I	-		S168	021SS-38	32	168-4		CVVUCR	33	211121 P025	081	R 1S	
128	SPIRE PSW (6) Ch29-32 . SHD32	SPC.I	-		S168	021SS-38	32	168-4	CS-S168-4	CVVUCR	33	211121 P025	128	R 1S	
-														R	
128	SPIRE PLW B07 GND WIRE A2	SPX.-	-		S472	010B0-30				CVVUCR	33	211121 P025	128	R 1S	
-														R	
023	SPIRE PSW (6) Ch33-36 . 33+	SPC.I	-		S169	021SS-38	33	169-1		CVVUCR	33	211121 P025	023	R 1S	
034	SPIRE PSW (6) Ch33-36 . 33-	SPC.I	-		S169	021SS-38	33	169-1		CVVUCR	33	211121 P025	034	R 1S	
004	SPIRE PSW (6) Ch33-36 . SHD33	SPC.I	-		S169	021SS-38	33	169-1	CS-S169-1	CVVUCR	33	211121 P025	004	R 1S	
-														R	

Pin Allocation List

(Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.I -		S169	021SS-38	34	169-2			CVVUCR	33	211121 P025	033	R 1S
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.I -		S169	021SS-38	34	169-2			CVVUCR	33	211121 P025	045	R 1S
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.I -		S169	021SS-38	34	169-2	CS-S169-2		CVVUCR	33	211121 P025	004	R 1S
-															R
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.I -		S169	021SS-38	35	169-3			CVVUCR	33	211121 P025	044	R 1S
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.I -		S169	021SS-38	35	169-3			CVVUCR	33	211121 P025	056	R 1S
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.I -		S169	021SS-38	35	169-3	CS-S169-3		CVVUCR	33	211121 P025	004	R 1S
-															R
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.I -		S169	021SS-38	36	169-4			CVVUCR	33	211121 P025	022	R 1S
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.I -		S169	021SS-38	36	169-4			CVVUCR	33	211121 P025	032	R 1S
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.I -		S169	021SS-38	36	169-4	CS-S169-4		CVVUCR	33	211121 P025	004	R 1S
-															R
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.I -		S172	021SS-38	37	172-1			CVVUCR	33	211121 P025	013	R 1S
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.I -		S172	021SS-38	37	172-1			CVVUCR	33	211121 P025	012	R 1S
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.I -		S172	021SS-38	37	172-1	CS-S172-1		CVVUCR	33	211121 P025	004	R 1S
-															R
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.I -		S172	021SS-38	38	172-2			CVVUCR	33	211121 P025	021	R 1S
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.I -		S172	021SS-38	38	172-2			CVVUCR	33	211121 P025	020	R 1S
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.I -		S172	021SS-38	38	172-2	CS-S172-2		CVVUCR	33	211121 P025	004	R 1S
-															R
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.I -		S172	021SS-38	39	172-3			CVVUCR	33	211121 P025	031	R 1S
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.I -		S172	021SS-38	39	172-3			CVVUCR	33	211121 P025	043	R 1S
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.I -		S172	021SS-38	39	172-3	CS-S172-3		CVVUCR	33	211121 P025	004	R 1S
-															R
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.I -		S172	021SS-38	40	172-4			CVVUCR	33	211121 P025	042	R 1S
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.I -		S172	021SS-38	40	172-4			CVVUCR	33	211121 P025	054	R 1S
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.I -		S172	021SS-38	40	172-4	CS-S172-4		CVVUCR	33	211121 P025	004	R 1S
-															R
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.I -		S173	021SS-38	41	173-1			CVVUCR	33	211121 P025	010	R 1S
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.I -		S173	021SS-38	41	173-1			CVVUCR	33	211121 P025	011	R 1S
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.I -		S173	021SS-38	41	173-1	CS-S173-1		CVVUCR	33	211121 P025	004	R 1S
-															R
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.I -		S173	021SS-38	42	173-2			CVVUCR	33	211121 P025	019	R 1S
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.I -		S173	021SS-38	42	173-2			CVVUCR	33	211121 P025	029	R 1S

Pin Allocation List (Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.I -		S173	021SS-38	42	173-2	CS-S173-2	CVVUCR	33	211121 P025	004	R 1S	
-														R	
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.I -		S173	021SS-38	43	173-3		CVVUCR	33	211121 P025	041	R 1S	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.I -		S173	021SS-38	43	173-3		CVVUCR	33	211121 P025	030	R 1S	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.I -		S173	021SS-38	43	173-3	CS-S173-3	CVVUCR	33	211121 P025	004	R 1S	
-														R	
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.I -		S173	021SS-38	44	173-4		CVVUCR	33	211121 P025	053	R 1S	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.I -		S173	021SS-38	44	173-4		CVVUCR	33	211121 P025	052	R 1S	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.I -		S173	021SS-38	44	173-4	CS-S173-4	CVVUCR	33	211121 P025	004	R 1S	
-														R	
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.I -		S174	021SS-38	45	174-1		CVVUCR	33	211121 P025	009	R 1S	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.I -		S174	021SS-38	45	174-1		CVVUCR	33	211121 P025	017	R 1S	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.I -		S174	021SS-38	45	174-1	CS-S174-1	CVVUCR	33	211121 P025	004	R 1S	
-														R	
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.I -		S174	021SS-38	46	174-2		CVVUCR	33	211121 P025	018	R 1S	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.I -		S174	021SS-38	46	174-2		CVVUCR	33	211121 P025	028	R 1S	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.I -		S174	021SS-38	46	174-2	CS-S174-2	CVVUCR	33	211121 P025	004	R 1S	
-														R	
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.I -		S174	021SS-38	47	174-3		CVVUCR	33	211121 P025	016	R 1S	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.I -		S174	021SS-38	47	174-3		CVVUCR	33	211121 P025	027	R 1S	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.I -		S174	021SS-38	47	174-3	CS-S174-3	CVVUCR	33	211121 P025	004	R 1S	
-														R	
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.I -		S174	021SS-38	48	174-4		CVVUCR	33	211121 P025	040	R 1S	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.I -		S174	021SS-38	48	174-4		CVVUCR	33	211121 P025	039	R 1S	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.I -		S174	021SS-38	48	174-4	CS-S174-4	CVVUCR	33	211121 P025	004	R 1S	
-														R	
004	SPIRE PLW B07 GND WIRE A4		SPX.- -		S474	010B0-30				CVVUCR	33	211121 P025	004	R 1S	
-														R	
047	SPIRE PLW B07 GND WIRE A3		SPX.- -		S473	010B0-30				CVVUCR	33	211121 P025	047	R 1S	
-														R	
036	Interconnection Star Pin								Star Pin for Shield Interconnection					1S	
004	to be con to pin 036													1S	
047	to be con to pin 036													1S	

Pin Allocation List (Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
005	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
024	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
093	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
105	to be con as part of FCR									Faraday Cage Ring (FCR)					R
114	to be con as part of FCR									Faraday Cage Ring (FCR)					R
115	to be con as part of FCR									Faraday Cage Ring (FCR)					R
121	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be connected as part of FC									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	2 pins are NC									The following Pins are NC :					1S
-	-									:064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P027

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PSW (3) Ch01-04 . 1+		SPC.I -		S140	021SS-38	1	140-1		HSSVMCB2	27	312200 J001	026	1S	R	
037	SPIRE PSW (3) Ch01-04 . 1-		SPC.I -		S140	021SS-38	1	140-1		HSSVMCB2	27	312200 J001	037	1S	R	
036	SPIRE PSW (3) Ch01-04 . SHD01		SPC.I -		S140	021SS-38	1	140-1	CS-S140-1	HSSVMCB2	27	312200 J001	036	1S	R	
-																
038	SPIRE PSW (3) Ch01-04 . 2+		SPC.I -		S140	021SS-38	2	140-2		HSSVMCB2	27	312200 J001	038	1S	R	
049	SPIRE PSW (3) Ch01-04 . 2-		SPC.I -		S140	021SS-38	2	140-2		HSSVMCB2	27	312200 J001	049	1S	R	
036	SPIRE PSW (3) Ch01-04 . SHD02		SPC.I -		S140	021SS-38	2	140-2	CS-S140-2	HSSVMCB2	27	312200 J001	036	1S	R	
-																
048	SPIRE PSW (3) Ch01-04 . 3+		SPC.I -		S140	021SS-38	3	140-3		HSSVMCB2	27	312200 J001	048	1S	R	
060	SPIRE PSW (3) Ch01-04 . 3-		SPC.I -		S140	021SS-38	3	140-3		HSSVMCB2	27	312200 J001	060	1S	R	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.I -		S140	021SS-38	3	140-3	CS-S140-3	HSSVMCB2	27	312200 J001	036	1S	R	
-																
059	SPIRE PSW (3) Ch01-04 . 4+		SPC.I -		S140	021SS-38	4	140-4		HSSVMCB2	27	312200 J001	059	1S	R	
071	SPIRE PSW (3) Ch01-04 . 4-		SPC.I -		S140	021SS-38	4	140-4		HSSVMCB2	27	312200 J001	071	1S	R	
036	SPIRE PSW (3) Ch01-04 . SHD04		SPC.I -		S140	021SS-38	4	140-4	CS-S140-4	HSSVMCB2	27	312200 J001	036	1S	R	
-																
050	SPIRE PSW (3) Ch05-08 . 5+		SPC.I -		S141	021SS-38	5	141-1		HSSVMCB2	27	312200 J001	050	1S	R	
061	SPIRE PSW (3) Ch05-08 . 5-		SPC.I -		S141	021SS-38	5	141-1		HSSVMCB2	27	312200 J001	061	1S	R	
036	SPIRE PSW (3) Ch05-08 . SHD05		SPC.I -		S141	021SS-38	5	141-1	CS-S141-1	HSSVMCB2	27	312200 J001	036	1S	R	
-																
062	SPIRE PSW (3) Ch05-08 . 6+		SPC.I -		S141	021SS-38	6	141-2		HSSVMCB2	27	312200 J001	062	1S	R	
051	SPIRE PSW (3) Ch05-08 . 6-		SPC.I -		S141	021SS-38	6	141-2		HSSVMCB2	27	312200 J001	051	1S	R	
036	SPIRE PSW (3) Ch05-08 . SHD06		SPC.I -		S141	021SS-38	6	141-2	CS-S141-2	HSSVMCB2	27	312200 J001	036	1S	R	
-																
063	SPIRE PSW (3) Ch05-08 . 7+		SPC.I -		S141	021SS-38	7	141-3		HSSVMCB2	27	312200 J001	063	1S	R	
075	SPIRE PSW (3) Ch05-08 . 7-		SPC.I -		S141	021SS-38	7	141-3		HSSVMCB2	27	312200 J001	075	1S	R	
036	SPIRE PSW (3) Ch05-08 . SHD07		SPC.I -		S141	021SS-38	7	141-3	CS-S141-3	HSSVMCB2	27	312200 J001	036	1S	R	
-																
074	SPIRE PSW (3) Ch05-08 . 8+		SPC.I -		S141	021SS-38	8	141-4		HSSVMCB2	27	312200 J001	074	1S	R	
073	SPIRE PSW (3) Ch05-08 . 8-		SPC.I -		S141	021SS-38	8	141-4		HSSVMCB2	27	312200 J001	073	1S	R	
036	SPIRE PSW (3) Ch05-08 . SHD08		SPC.I -		S141	021SS-38	8	141-4	CS-S141-4	HSSVMCB2	27	312200 J001	036	1S	R	
-																
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.I -		S142	021SS-38	9	142-1		HSSVMCB2	27	312200 J001	083	1S	R	
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.I -		S142	021SS-38	9	142-1		HSSVMCB2	27	312200 J001	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.I -		S142	021SS-38	9	142-1		CS-S142-1	HSSVMCB2	27	312200 J001	036	1S	R
-																
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.I -		S142	021SS-38	10	142-2			HSSVMCB2	27	312200 J001	095	1S	R
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.I -		S142	021SS-38	10	142-2			HSSVMCB2	27	312200 J001	084	1S	R
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.I -		S142	021SS-38	10	142-2		CS-S142-2	HSSVMCB2	27	312200 J001	036	1S	R
-																
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.I -		S142	021SS-38	11	142-3			HSSVMCB2	27	312200 J001	096	1S	R
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.I -		S142	021SS-38	11	142-3			HSSVMCB2	27	312200 J001	085	1S	R
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.I -		S142	021SS-38	11	142-3		CS-S142-3	HSSVMCB2	27	312200 J001	036	1S	R
-																
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.I -		S142	021SS-38	12	142-4			HSSVMCB2	27	312200 J001	106	1S	R
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.I -		S142	021SS-38	12	142-4			HSSVMCB2	27	312200 J001	107	1S	R
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.I -		S142	021SS-38	12	142-4		CS-S142-4	HSSVMCB2	27	312200 J001	036	1S	R
-																
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.I -		S145	021SS-38	13	145-1			HSSVMCB2	27	312200 J001	086	1S	R
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.I -		S145	021SS-38	13	145-1			HSSVMCB2	27	312200 J001	087	1S	R
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.I -		S145	021SS-38	13	145-1		CS-S145-1	HSSVMCB2	27	312200 J001	036	1S	R
-																
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.I -		S145	021SS-38	14	145-2			HSSVMCB2	27	312200 J001	097	1S	R
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.I -		S145	021SS-38	14	145-2			HSSVMCB2	27	312200 J001	098	1S	R
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.I -		S145	021SS-38	14	145-2		CS-S145-2	HSSVMCB2	27	312200 J001	036	1S	R
-																
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.I -		S145	021SS-38	15	145-3			HSSVMCB2	27	312200 J001	108	1S	R
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.I -		S145	021SS-38	15	145-3			HSSVMCB2	27	312200 J001	109	1S	R
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.I -		S145	021SS-38	15	145-3		CS-S145-3	HSSVMCB2	27	312200 J001	036	1S	R
-																
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.I -		S145	021SS-38	16	145-4			HSSVMCB2	27	312200 J001	116	1S	R
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.I -		S145	021SS-38	16	145-4			HSSVMCB2	27	312200 J001	117	1S	R
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.I -		S145	021SS-38	16	145-4		CS-S145-4	HSSVMCB2	27	312200 J001	036	1S	R
-																
036	SPIRE PLW B08 GND WIRE A1		SPX.- -		S481	010B0-30					HSSVMCB2	27	312200 J001	036	1S	R
-																
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.I -		S146	021SS-38	17	146-1			HSSVMCB2	27	312200 J001	055	1S	R
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.I -		S146	021SS-38	17	146-1			HSSVMCB2	27	312200 J001	066	1S	R

Pin Allocation List

(Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.I -		S146	021SS-38	17	146-1		CS-S146-1	HSSVMCB2	27	312200 J001	128	1S	R
-																
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.I -		S146	021SS-38	18	146-2			HSSVMCB2	27	312200 J001	067	1S	R
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.I -		S146	021SS-38	18	146-2			HSSVMCB2	27	312200 J001	078	1S	R
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.I -		S146	021SS-38	18	146-2		CS-S146-2	HSSVMCB2	27	312200 J001	128	1S	R
-																
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.I -		S146	021SS-38	19	146-3			HSSVMCB2	27	312200 J001	076	1S	R
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.I -		S146	021SS-38	19	146-3			HSSVMCB2	27	312200 J001	077	1S	R
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.I -		S146	021SS-38	19	146-3		CS-S146-3	HSSVMCB2	27	312200 J001	128	1S	R
-																
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.I -		S146	021SS-38	20	146-4			HSSVMCB2	27	312200 J001	088	1S	R
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.I -		S146	021SS-38	20	146-4			HSSVMCB2	27	312200 J001	089	1S	R
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.I -		S146	021SS-38	20	146-4		CS-S146-4	HSSVMCB2	27	312200 J001	128	1S	R
-																
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.I -		S147	021SS-38	21	147-1			HSSVMCB2	27	312200 J001	099	1S	R
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.I -		S147	021SS-38	21	147-1			HSSVMCB2	27	312200 J001	100	1S	R
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.I -		S147	021SS-38	21	147-1		CS-S147-1	HSSVMCB2	27	312200 J001	128	1S	R
-																
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.I -		S147	021SS-38	22	147-2			HSSVMCB2	27	312200 J001	110	1S	R
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.I -		S147	021SS-38	22	147-2			HSSVMCB2	27	312200 J001	111	1S	R
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.I -		S147	021SS-38	22	147-2		CS-S147-2	HSSVMCB2	27	312200 J001	128	1S	R
-																
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.I -		S147	021SS-38	23	147-3			HSSVMCB2	27	312200 J001	118	1S	R
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.I -		S147	021SS-38	23	147-3			HSSVMCB2	27	312200 J001	119	1S	R
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.I -		S147	021SS-38	23	147-3		CS-S147-3	HSSVMCB2	27	312200 J001	128	1S	R
-																
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.I -		S147	021SS-38	24	147-4			HSSVMCB2	27	312200 J001	112	1S	R
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.I -		S147	021SS-38	24	147-4			HSSVMCB2	27	312200 J001	120	1S	R
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.I -		S147	021SS-38	24	147-4		CS-S147-4	HSSVMCB2	27	312200 J001	128	1S	R
-																
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.I -		S149	021SS-38	25	149-1			HSSVMCB2	27	312200 J001	090	1S	R
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.I -		S149	021SS-38	25	149-1			HSSVMCB2	27	312200 J001	079	1S	R
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.I -		S149	021SS-38	25	149-1		CS-S149-1	HSSVMCB2	27	312200 J001	128	1S	R
-																

Pin Allocation List

(Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.I -		S149	021SS-38	26	149-2		HSSVMCB2	27	312200 J001	102	1S	R	
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.I -		S149	021SS-38	26	149-2		HSSVMCB2	27	312200 J001	101	1S	R	
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.I -		S149	021SS-38	26	149-2	CS-S149-2	HSSVMCB2	27	312200 J001	128	1S	R	
-																
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.I -		S149	021SS-38	27	149-3		HSSVMCB2	27	312200 J001	092	1S	R	
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.I -		S149	021SS-38	27	149-3		HSSVMCB2	27	312200 J001	091	1S	R	
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.I -		S149	021SS-38	27	149-3	CS-S149-3	HSSVMCB2	27	312200 J001	128	1S	R	
-																
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.I -		S149	021SS-38	28	149-4		HSSVMCB2	27	312200 J001	103	1S	R	
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.I -		S149	021SS-38	28	149-4		HSSVMCB2	27	312200 J001	113	1S	R	
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.I -		S149	021SS-38	28	149-4	CS-S149-4	HSSVMCB2	27	312200 J001	128	1S	R	
-																
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.I -		S150	021SS-38	29	150-1		HSSVMCB2	27	312200 J001	058	1S	R	
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.I -		S150	021SS-38	29	150-1		HSSVMCB2	27	312200 J001	046	1S	R	
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.I -		S150	021SS-38	29	150-1	CS-S150-1	HSSVMCB2	27	312200 J001	128	1S	R	
-																
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.I -		S150	021SS-38	30	150-2		HSSVMCB2	27	312200 J001	068	1S	R	
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.I -		S150	021SS-38	30	150-2		HSSVMCB2	27	312200 J001	057	1S	R	
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.I -		S150	021SS-38	30	150-2	CS-S150-2	HSSVMCB2	27	312200 J001	128	1S	R	
-																
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.I -		S150	021SS-38	31	150-3		HSSVMCB2	27	312200 J001	069	1S	R	
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.I -		S150	021SS-38	31	150-3		HSSVMCB2	27	312200 J001	080	1S	R	
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.I -		S150	021SS-38	31	150-3	CS-S150-3	HSSVMCB2	27	312200 J001	128	1S	R	
-																
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.I -		S150	021SS-38	32	150-4		HSSVMCB2	27	312200 J001	070	1S	R	
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.I -		S150	021SS-38	32	150-4		HSSVMCB2	27	312200 J001	081	1S	R	
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.I -		S150	021SS-38	32	150-4	CS-S150-4	HSSVMCB2	27	312200 J001	128	1S	R	
-																
128	SPIRE PLW B08 GND WIRE A2		SPX.- -		S482	010B0-30				HSSVMCB2	27	312200 J001	128	1S	R	
-														1S		
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.I -		S151	021SS-38	33	151-1		HSSVMCB2	27	312200 J001	023	1S	R	
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.I -		S151	021SS-38	33	151-1		HSSVMCB2	27	312200 J001	034	1S	R	
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.I -		S151	021SS-38	33	151-1	CS-S151-1	HSSVMCB2	27	312200 J001	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P027

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.I -		S151	021SS-38	34	151-2		HSSVMCB2	27	312200 J001	033	1S	R	
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.I -		S151	021SS-38	34	151-2		HSSVMCB2	27	312200 J001	045	1S	R	
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.I -		S151	021SS-38	34	151-2	CS-S151-2	HSSVMCB2	27	312200 J001	004	1S	R	
-																
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.I -		S151	021SS-38	35	151-3		HSSVMCB2	27	312200 J001	044	1S	R	
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.I -		S151	021SS-38	35	151-3		HSSVMCB2	27	312200 J001	056	1S	R	
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.I -		S151	021SS-38	35	151-3	CS-S151-3	HSSVMCB2	27	312200 J001	004	1S	R	
-																
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.I -		S151	021SS-38	36	151-4		HSSVMCB2	27	312200 J001	022	1S	R	
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.I -		S151	021SS-38	36	151-4		HSSVMCB2	27	312200 J001	032	1S	R	
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.I -		S151	021SS-38	36	151-4	CS-S151-4	HSSVMCB2	27	312200 J001	004	1S	R	
-																
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.I -		S154	021SS-38	37	154-1		HSSVMCB2	27	312200 J001	013	1S	R	
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.I -		S154	021SS-38	37	154-1		HSSVMCB2	27	312200 J001	012	1S	R	
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.I -		S154	021SS-38	37	154-1	CS-S154-1	HSSVMCB2	27	312200 J001	004	1S	R	
-																
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.I -		S154	021SS-38	38	154-2		HSSVMCB2	27	312200 J001	021	1S	R	
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.I -		S154	021SS-38	38	154-2		HSSVMCB2	27	312200 J001	020	1S	R	
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.I -		S154	021SS-38	38	154-2	CS-S154-2	HSSVMCB2	27	312200 J001	004	1S	R	
-																
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.I -		S154	021SS-38	39	154-3		HSSVMCB2	27	312200 J001	031	1S	R	
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.I -		S154	021SS-38	39	154-3		HSSVMCB2	27	312200 J001	043	1S	R	
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.I -		S154	021SS-38	39	154-3	CS-S154-3	HSSVMCB2	27	312200 J001	004	1S	R	
-																
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.I -		S154	021SS-38	40	154-4		HSSVMCB2	27	312200 J001	042	1S	R	
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.I -		S154	021SS-38	40	154-4		HSSVMCB2	27	312200 J001	054	1S	R	
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.I -		S154	021SS-38	40	154-4	CS-S154-4	HSSVMCB2	27	312200 J001	004	1S	R	
-																
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.I -		S155	021SS-38	41	155-1		HSSVMCB2	27	312200 J001	010	1S	R	
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.I -		S155	021SS-38	41	155-1		HSSVMCB2	27	312200 J001	011	1S	R	
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.I -		S155	021SS-38	41	155-1	CS-S155-1	HSSVMCB2	27	312200 J001	004	1S	R	
-																
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.I -		S155	021SS-38	42	155-2		HSSVMCB2	27	312200 J001	019	1S	R	
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.I -		S155	021SS-38	42	155-2		HSSVMCB2	27	312200 J001	029	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.I -		S155	021SS-38	42	155-2		CS-S155-2	HSSVMCB2	27	312200 J001	004	1S	R
-																
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.I -		S155	021SS-38	43	155-3			HSSVMCB2	27	312200 J001	041	1S	R
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.I -		S155	021SS-38	43	155-3			HSSVMCB2	27	312200 J001	030	1S	R
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.I -		S155	021SS-38	43	155-3		CS-S155-3	HSSVMCB2	27	312200 J001	004	1S	R
-																
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.I -		S155	021SS-38	44	155-4			HSSVMCB2	27	312200 J001	053	1S	R
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.I -		S155	021SS-38	44	155-4			HSSVMCB2	27	312200 J001	052	1S	R
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.I -		S155	021SS-38	44	155-4		CS-S155-4	HSSVMCB2	27	312200 J001	004	1S	R
-																
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.I -		S156	021SS-38	45	156-1			HSSVMCB2	27	312200 J001	009	1S	R
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.I -		S156	021SS-38	45	156-1			HSSVMCB2	27	312200 J001	017	1S	R
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.I -		S156	021SS-38	45	156-1		CS-S156-1	HSSVMCB2	27	312200 J001	004	1S	R
-																
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.I -		S156	021SS-38	46	156-2			HSSVMCB2	27	312200 J001	018	1S	R
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.I -		S156	021SS-38	46	156-2			HSSVMCB2	27	312200 J001	028	1S	R
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.I -		S156	021SS-38	46	156-2		CS-S156-2	HSSVMCB2	27	312200 J001	004	1S	R
-																
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.I -		S156	021SS-38	47	156-3			HSSVMCB2	27	312200 J001	016	1S	R
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.I -		S156	021SS-38	47	156-3			HSSVMCB2	27	312200 J001	027	1S	R
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.I -		S156	021SS-38	47	156-3		CS-S156-3	HSSVMCB2	27	312200 J001	004	1S	R
-																
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.I -		S156	021SS-38	48	156-4			HSSVMCB2	27	312200 J001	040	1S	R
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.I -		S156	021SS-38	48	156-4			HSSVMCB2	27	312200 J001	039	1S	R
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.I -		S156	021SS-38	48	156-4		CS-S156-4	HSSVMCB2	27	312200 J001	004	1S	R
-																
004	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30					HSSVMCB2	27	312200 J001	004	1S	R
-																
047	SPIRE PLW B08 GND WIRE A3		SPX.- -		S483	010B0-30					HSSVMCB2	27	312200 J001	047	1S	R
-																
036	Interconnection Star Pin									Star Pin for Shield Interconnection					1S	
004	to be con to pin 036														1S	
047	to be con to pin 036														1S	

Pin Allocation List (Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P027
Item: CVVUCR

Function / Bundle: UFThr 257.0° / SIH-XS-08

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW (3) Ch01-04 . 1+	SPC.I	-		S140	021SS-38	1	140-1		CVVUCR	33	211121 P027	026	R 1S	
037	SPIRE PSW (3) Ch01-04 . 1-	SPC.I	-		S140	021SS-38	1	140-1		CVVUCR	33	211121 P027	037	R 1S	
036	SPIRE PSW (3) Ch01-04 . SHD01	SPC.I	-		S140	021SS-38	1	140-1	CS-S140-1	CVVUCR	33	211121 P027	036	R 1S	
-														R	
038	SPIRE PSW (3) Ch01-04 . 2+	SPC.I	-		S140	021SS-38	2	140-2		CVVUCR	33	211121 P027	038	R 1S	
049	SPIRE PSW (3) Ch01-04 . 2-	SPC.I	-		S140	021SS-38	2	140-2		CVVUCR	33	211121 P027	049	R 1S	
036	SPIRE PSW (3) Ch01-04 . SHD02	SPC.I	-		S140	021SS-38	2	140-2	CS-S140-2	CVVUCR	33	211121 P027	036	R 1S	
-														R	
048	SPIRE PSW (3) Ch01-04 . 3+	SPC.I	-		S140	021SS-38	3	140-3		CVVUCR	33	211121 P027	048	R 1S	
060	SPIRE PSW (3) Ch01-04 . 3-	SPC.I	-		S140	021SS-38	3	140-3		CVVUCR	33	211121 P027	060	R 1S	
036	SPIRE PSW (3) Ch01-04 . SHD03	SPC.I	-		S140	021SS-38	3	140-3	CS-S140-3	CVVUCR	33	211121 P027	036	R 1S	
-														R	
059	SPIRE PSW (3) Ch01-04 . 4+	SPC.I	-		S140	021SS-38	4	140-4		CVVUCR	33	211121 P027	059	R 1S	
071	SPIRE PSW (3) Ch01-04 . 4-	SPC.I	-		S140	021SS-38	4	140-4		CVVUCR	33	211121 P027	071	R 1S	
036	SPIRE PSW (3) Ch01-04 . SHD04	SPC.I	-		S140	021SS-38	4	140-4	CS-S140-4	CVVUCR	33	211121 P027	036	R 1S	
-														R	
050	SPIRE PSW (3) Ch05-08 . 5+	SPC.I	-		S141	021SS-38	5	141-1		CVVUCR	33	211121 P027	050	R 1S	
061	SPIRE PSW (3) Ch05-08 . 5-	SPC.I	-		S141	021SS-38	5	141-1		CVVUCR	33	211121 P027	061	R 1S	
036	SPIRE PSW (3) Ch05-08 . SHD05	SPC.I	-		S141	021SS-38	5	141-1	CS-S141-1	CVVUCR	33	211121 P027	036	R 1S	
-														R	
062	SPIRE PSW (3) Ch05-08 . 6+	SPC.I	-		S141	021SS-38	6	141-2		CVVUCR	33	211121 P027	062	R 1S	
051	SPIRE PSW (3) Ch05-08 . 6-	SPC.I	-		S141	021SS-38	6	141-2		CVVUCR	33	211121 P027	051	R 1S	
036	SPIRE PSW (3) Ch05-08 . SHD06	SPC.I	-		S141	021SS-38	6	141-2	CS-S141-2	CVVUCR	33	211121 P027	036	R 1S	
-														R	
063	SPIRE PSW (3) Ch05-08 . 7+	SPC.I	-		S141	021SS-38	7	141-3		CVVUCR	33	211121 P027	063	R 1S	
075	SPIRE PSW (3) Ch05-08 . 7-	SPC.I	-		S141	021SS-38	7	141-3		CVVUCR	33	211121 P027	075	R 1S	
036	SPIRE PSW (3) Ch05-08 . SHD07	SPC.I	-		S141	021SS-38	7	141-3	CS-S141-3	CVVUCR	33	211121 P027	036	R 1S	
-														R	
074	SPIRE PSW (3) Ch05-08 . 8+	SPC.I	-		S141	021SS-38	8	141-4		CVVUCR	33	211121 P027	074	R 1S	
073	SPIRE PSW (3) Ch05-08 . 8-	SPC.I	-		S141	021SS-38	8	141-4		CVVUCR	33	211121 P027	073	R 1S	
036	SPIRE PSW (3) Ch05-08 . SHD08	SPC.I	-		S141	021SS-38	8	141-4	CS-S141-4	CVVUCR	33	211121 P027	036	R 1S	
-														R	
083	SPIRE PSW (3) Ch09-12 . 9+	SPC.I	-		S142	021SS-38	9	142-1		CVVUCR	33	211121 P027	083	R 1S	
072	SPIRE PSW (3) Ch09-12 . 9-	SPC.I	-		S142	021SS-38	9	142-1		CVVUCR	33	211121 P027	072	R 1S	

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.I -		S142	021SS-38	9	142-1		CS-S142-1	CVVUCR	33	211121 P027	036	R 1S
-															R
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.I -		S142	021SS-38	10	142-2			CVVUCR	33	211121 P027	095	R 1S
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.I -		S142	021SS-38	10	142-2			CVVUCR	33	211121 P027	084	R 1S
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.I -		S142	021SS-38	10	142-2		CS-S142-2	CVVUCR	33	211121 P027	036	R 1S
-															R
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.I -		S142	021SS-38	11	142-3			CVVUCR	33	211121 P027	096	R 1S
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.I -		S142	021SS-38	11	142-3			CVVUCR	33	211121 P027	085	R 1S
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.I -		S142	021SS-38	11	142-3		CS-S142-3	CVVUCR	33	211121 P027	036	R 1S
-															R
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.I -		S142	021SS-38	12	142-4			CVVUCR	33	211121 P027	106	R 1S
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.I -		S142	021SS-38	12	142-4			CVVUCR	33	211121 P027	107	R 1S
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.I -		S142	021SS-38	12	142-4		CS-S142-4	CVVUCR	33	211121 P027	036	R 1S
-															R
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.I -		S145	021SS-38	13	145-1			CVVUCR	33	211121 P027	086	R 1S
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.I -		S145	021SS-38	13	145-1			CVVUCR	33	211121 P027	087	R 1S
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.I -		S145	021SS-38	13	145-1		CS-S145-1	CVVUCR	33	211121 P027	036	R 1S
-															R
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.I -		S145	021SS-38	14	145-2			CVVUCR	33	211121 P027	097	R 1S
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.I -		S145	021SS-38	14	145-2			CVVUCR	33	211121 P027	098	R 1S
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.I -		S145	021SS-38	14	145-2		CS-S145-2	CVVUCR	33	211121 P027	036	R 1S
-															R
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.I -		S145	021SS-38	15	145-3			CVVUCR	33	211121 P027	108	R 1S
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.I -		S145	021SS-38	15	145-3			CVVUCR	33	211121 P027	109	R 1S
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.I -		S145	021SS-38	15	145-3		CS-S145-3	CVVUCR	33	211121 P027	036	R 1S
-															R
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.I -		S145	021SS-38	16	145-4			CVVUCR	33	211121 P027	116	R 1S
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.I -		S145	021SS-38	16	145-4			CVVUCR	33	211121 P027	117	R 1S
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.I -		S145	021SS-38	16	145-4		CS-S145-4	CVVUCR	33	211121 P027	036	R 1S
-															R
036	SPIRE PLW B08 GND WIRE A1		SPX.- -		S481	010B0-30					CVVUCR	33	211121 P027	036	R 1S
-															R
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.I -		S146	021SS-38	17	146-1			CVVUCR	33	211121 P027	055	R 1S
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.I -		S146	021SS-38	17	146-1			CVVUCR	33	211121 P027	066	R 1S

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.I -		S146	021SS-38	17	146-1	CS-S146-1	CVVUCR	33	211121 P027	128	R 1S	
-														R	
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.I -		S146	021SS-38	18	146-2		CVVUCR	33	211121 P027	067	R 1S	
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.I -		S146	021SS-38	18	146-2		CVVUCR	33	211121 P027	078	R 1S	
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.I -		S146	021SS-38	18	146-2	CS-S146-2	CVVUCR	33	211121 P027	128	R 1S	
-														R	
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.I -		S146	021SS-38	19	146-3		CVVUCR	33	211121 P027	076	R 1S	
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.I -		S146	021SS-38	19	146-3		CVVUCR	33	211121 P027	077	R 1S	
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.I -		S146	021SS-38	19	146-3	CS-S146-3	CVVUCR	33	211121 P027	128	R 1S	
-														R	
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.I -		S146	021SS-38	20	146-4		CVVUCR	33	211121 P027	088	R 1S	
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.I -		S146	021SS-38	20	146-4		CVVUCR	33	211121 P027	089	R 1S	
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.I -		S146	021SS-38	20	146-4	CS-S146-4	CVVUCR	33	211121 P027	128	R 1S	
-														R	
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.I -		S147	021SS-38	21	147-1		CVVUCR	33	211121 P027	099	R 1S	
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.I -		S147	021SS-38	21	147-1		CVVUCR	33	211121 P027	100	R 1S	
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.I -		S147	021SS-38	21	147-1	CS-S147-1	CVVUCR	33	211121 P027	128	R 1S	
-														R	
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.I -		S147	021SS-38	22	147-2		CVVUCR	33	211121 P027	110	R 1S	
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.I -		S147	021SS-38	22	147-2		CVVUCR	33	211121 P027	111	R 1S	
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.I -		S147	021SS-38	22	147-2	CS-S147-2	CVVUCR	33	211121 P027	128	R 1S	
-														R	
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.I -		S147	021SS-38	23	147-3		CVVUCR	33	211121 P027	118	R 1S	
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.I -		S147	021SS-38	23	147-3		CVVUCR	33	211121 P027	119	R 1S	
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.I -		S147	021SS-38	23	147-3	CS-S147-3	CVVUCR	33	211121 P027	128	R 1S	
-														R	
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.I -		S147	021SS-38	24	147-4		CVVUCR	33	211121 P027	112	R 1S	
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.I -		S147	021SS-38	24	147-4		CVVUCR	33	211121 P027	120	R 1S	
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.I -		S147	021SS-38	24	147-4	CS-S147-4	CVVUCR	33	211121 P027	128	R 1S	
-														R	
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.I -		S149	021SS-38	25	149-1		CVVUCR	33	211121 P027	090	R 1S	
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.I -		S149	021SS-38	25	149-1		CVVUCR	33	211121 P027	079	R 1S	
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.I -		S149	021SS-38	25	149-1	CS-S149-1	CVVUCR	33	211121 P027	128	R 1S	
-														R	

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.I -		S149	021SS-38	26	149-2			CVVUCR	33	211121 P027	102	R 1S
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.I -		S149	021SS-38	26	149-2			CVVUCR	33	211121 P027	101	R 1S
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.I -		S149	021SS-38	26	149-2	CS-S149-2		CVVUCR	33	211121 P027	128	R 1S
-															R
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.I -		S149	021SS-38	27	149-3			CVVUCR	33	211121 P027	092	R 1S
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.I -		S149	021SS-38	27	149-3			CVVUCR	33	211121 P027	091	R 1S
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.I -		S149	021SS-38	27	149-3	CS-S149-3		CVVUCR	33	211121 P027	128	R 1S
-															R
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.I -		S149	021SS-38	28	149-4			CVVUCR	33	211121 P027	103	R 1S
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.I -		S149	021SS-38	28	149-4			CVVUCR	33	211121 P027	113	R 1S
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.I -		S149	021SS-38	28	149-4	CS-S149-4		CVVUCR	33	211121 P027	128	R 1S
-															R
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.I -		S150	021SS-38	29	150-1			CVVUCR	33	211121 P027	058	R 1S
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.I -		S150	021SS-38	29	150-1			CVVUCR	33	211121 P027	046	R 1S
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.I -		S150	021SS-38	29	150-1	CS-S150-1		CVVUCR	33	211121 P027	128	R 1S
-															R
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.I -		S150	021SS-38	30	150-2			CVVUCR	33	211121 P027	068	R 1S
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.I -		S150	021SS-38	30	150-2			CVVUCR	33	211121 P027	057	R 1S
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.I -		S150	021SS-38	30	150-2	CS-S150-2		CVVUCR	33	211121 P027	128	R 1S
-															R
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.I -		S150	021SS-38	31	150-3			CVVUCR	33	211121 P027	069	R 1S
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.I -		S150	021SS-38	31	150-3			CVVUCR	33	211121 P027	080	R 1S
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.I -		S150	021SS-38	31	150-3	CS-S150-3		CVVUCR	33	211121 P027	128	R 1S
-															R
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.I -		S150	021SS-38	32	150-4			CVVUCR	33	211121 P027	070	R 1S
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.I -		S150	021SS-38	32	150-4			CVVUCR	33	211121 P027	081	R 1S
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.I -		S150	021SS-38	32	150-4	CS-S150-4		CVVUCR	33	211121 P027	128	R 1S
-															R
128	SPIRE PLW B08 GND WIRE A2		SPX.- -		S482	010B0-30					CVVUCR	33	211121 P027	128	R 1S
-															R
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.I -		S151	021SS-38	33	151-1			CVVUCR	33	211121 P027	023	R 1S
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.I -		S151	021SS-38	33	151-1			CVVUCR	33	211121 P027	034	R 1S
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.I -		S151	021SS-38	33	151-1	CS-S151-1		CVVUCR	33	211121 P027	004	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.I -		S151	021SS-38	34	151-2			CVVUCR	33	211121 P027	033	R 1S
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.I -		S151	021SS-38	34	151-2			CVVUCR	33	211121 P027	045	R 1S
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.I -		S151	021SS-38	34	151-2	CS-S151-2		CVVUCR	33	211121 P027	004	R 1S
-															R
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.I -		S151	021SS-38	35	151-3			CVVUCR	33	211121 P027	044	R 1S
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.I -		S151	021SS-38	35	151-3			CVVUCR	33	211121 P027	056	R 1S
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.I -		S151	021SS-38	35	151-3	CS-S151-3		CVVUCR	33	211121 P027	004	R 1S
-															R
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.I -		S151	021SS-38	36	151-4			CVVUCR	33	211121 P027	022	R 1S
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.I -		S151	021SS-38	36	151-4			CVVUCR	33	211121 P027	032	R 1S
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.I -		S151	021SS-38	36	151-4	CS-S151-4		CVVUCR	33	211121 P027	004	R 1S
-															R
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.I -		S154	021SS-38	37	154-1			CVVUCR	33	211121 P027	013	R 1S
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.I -		S154	021SS-38	37	154-1			CVVUCR	33	211121 P027	012	R 1S
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.I -		S154	021SS-38	37	154-1	CS-S154-1		CVVUCR	33	211121 P027	004	R 1S
-															R
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.I -		S154	021SS-38	38	154-2			CVVUCR	33	211121 P027	021	R 1S
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.I -		S154	021SS-38	38	154-2			CVVUCR	33	211121 P027	020	R 1S
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.I -		S154	021SS-38	38	154-2	CS-S154-2		CVVUCR	33	211121 P027	004	R 1S
-															R
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.I -		S154	021SS-38	39	154-3			CVVUCR	33	211121 P027	031	R 1S
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.I -		S154	021SS-38	39	154-3			CVVUCR	33	211121 P027	043	R 1S
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.I -		S154	021SS-38	39	154-3	CS-S154-3		CVVUCR	33	211121 P027	004	R 1S
-															R
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.I -		S154	021SS-38	40	154-4			CVVUCR	33	211121 P027	042	R 1S
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.I -		S154	021SS-38	40	154-4			CVVUCR	33	211121 P027	054	R 1S
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.I -		S154	021SS-38	40	154-4	CS-S154-4		CVVUCR	33	211121 P027	004	R 1S
-															R
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.I -		S155	021SS-38	41	155-1			CVVUCR	33	211121 P027	010	R 1S
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.I -		S155	021SS-38	41	155-1			CVVUCR	33	211121 P027	011	R 1S
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.I -		S155	021SS-38	41	155-1	CS-S155-1		CVVUCR	33	211121 P027	004	R 1S
-															R
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.I -		S155	021SS-38	42	155-2			CVVUCR	33	211121 P027	019	R 1S
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.I -		S155	021SS-38	42	155-2			CVVUCR	33	211121 P027	029	R 1S

Pin Allocation List

(Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.I -		S155	021SS-38	42	155-2		CS-S155-2	CVVUCR	33	211121 P027	004	R 1S
-															R
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.I -		S155	021SS-38	43	155-3			CVVUCR	33	211121 P027	041	R 1S
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.I -		S155	021SS-38	43	155-3			CVVUCR	33	211121 P027	030	R 1S
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.I -		S155	021SS-38	43	155-3		CS-S155-3	CVVUCR	33	211121 P027	004	R 1S
-															R
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.I -		S155	021SS-38	44	155-4			CVVUCR	33	211121 P027	053	R 1S
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.I -		S155	021SS-38	44	155-4			CVVUCR	33	211121 P027	052	R 1S
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.I -		S155	021SS-38	44	155-4		CS-S155-4	CVVUCR	33	211121 P027	004	R 1S
-															R
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.I -		S156	021SS-38	45	156-1			CVVUCR	33	211121 P027	009	R 1S
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.I -		S156	021SS-38	45	156-1			CVVUCR	33	211121 P027	017	R 1S
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.I -		S156	021SS-38	45	156-1		CS-S156-1	CVVUCR	33	211121 P027	004	R 1S
-															R
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.I -		S156	021SS-38	46	156-2			CVVUCR	33	211121 P027	018	R 1S
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.I -		S156	021SS-38	46	156-2			CVVUCR	33	211121 P027	028	R 1S
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.I -		S156	021SS-38	46	156-2		CS-S156-2	CVVUCR	33	211121 P027	004	R 1S
-															R
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.I -		S156	021SS-38	47	156-3			CVVUCR	33	211121 P027	016	R 1S
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.I -		S156	021SS-38	47	156-3			CVVUCR	33	211121 P027	027	R 1S
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.I -		S156	021SS-38	47	156-3		CS-S156-3	CVVUCR	33	211121 P027	004	R 1S
-															R
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.I -		S156	021SS-38	48	156-4			CVVUCR	33	211121 P027	040	R 1S
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.I -		S156	021SS-38	48	156-4			CVVUCR	33	211121 P027	039	R 1S
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.I -		S156	021SS-38	48	156-4		CS-S156-4	CVVUCR	33	211121 P027	004	R 1S
-															R
004	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30					CVVUCR	33	211121 P027	004	R 1S
-															R
047	SPIRE PLW B08 GND WIRE A3		SPX.- -		S483	010B0-30					CVVUCR	33	211121 P027	047	R 1S
-															R
036	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
004	to be con to pin 036														1S
047	to be con to pin 036														1S

Pin Allocation List (Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
005	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
024	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
093	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
105	to be con as part of FCR									Faraday Cage Ring (FCR)					R
114	to be con as part of FCR									Faraday Cage Ring (FCR)					R
115	to be con as part of FCR									Faraday Cage Ring (FCR)					R
121	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	2 pins are NC									The following Pins are NC :					1S
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
026	SPIRE PSW Ch01-04 . 1+	SPC.I	-		S122	021SS-38	1	122-1		HSSVMCB2	27	312200 J002	026	1S	R	
037	SPIRE PSW Ch01-04 . 1-	SPC.I	-		S122	021SS-38	1	122-1		HSSVMCB2	27	312200 J002	037	1S	R	
036	SPIRE PSW Ch01-04 . SHD01	SPC.I	-		S122	021SS-38	1	122-1	CS-S122-1	HSSVMCB2	27	312200 J002	036	1S	R	
-																
038	SPIRE PSW Ch01-04 . 2+	SPC.I	-		S122	021SS-38	2	122-2		HSSVMCB2	27	312200 J002	038	1S	R	
049	SPIRE PSW Ch01-04 . 2-	SPC.I	-		S122	021SS-38	2	122-2		HSSVMCB2	27	312200 J002	049	1S	R	
036	SPIRE PSW Ch01-04 . SHD02	SPC.I	-		S122	021SS-38	2	122-2	CS-S122-2	HSSVMCB2	27	312200 J002	036	1S	R	
-																
048	SPIRE PSW Ch01-04 . 3+	SPC.I	-		S122	021SS-38	3	122-3		HSSVMCB2	27	312200 J002	048	1S	R	
060	SPIRE PSW Ch01-04 . 3-	SPC.I	-		S122	021SS-38	3	122-3		HSSVMCB2	27	312200 J002	060	1S	R	
036	SPIRE PSW Ch01-04 . SHD03	SPC.I	-		S122	021SS-38	3	122-3	CS-S122-3	HSSVMCB2	27	312200 J002	036	1S	R	
-																
059	SPIRE PSW Ch01-04 . 4+	SPC.I	-		S122	021SS-38	4	122-4		HSSVMCB2	27	312200 J002	059	1S	R	
071	SPIRE PSW Ch01-04 . 4-	SPC.I	-		S122	021SS-38	4	122-4		HSSVMCB2	27	312200 J002	071	1S	R	
036	SPIRE PSW Ch01-04 . SHD04	SPC.I	-		S122	021SS-38	4	122-4	CS-S122-4	HSSVMCB2	27	312200 J002	036	1S	R	
-																
050	SPIRE PSW Ch05-08 . 5+	SPC.I	-		S123	021SS-38	5	0123-1		HSSVMCB2	27	312200 J002	050	1S	R	
061	SPIRE PSW Ch05-08 . 5-	SPC.I	-		S123	021SS-38	5	0123-1		HSSVMCB2	27	312200 J002	061	1S	R	
036	SPIRE PSW Ch05-08 . SHD05	SPC.I	-		S123	021SS-38	5	0123-1	CS-S0123-1	HSSVMCB2	27	312200 J002	036	1S	R	
-																
062	SPIRE PSW Ch05-08 . 6+	SPC.I	-		S123	021SS-38	6	0123-2		HSSVMCB2	27	312200 J002	062	1S	R	
051	SPIRE PSW Ch05-08 . 6-	SPC.I	-		S123	021SS-38	6	0123-2		HSSVMCB2	27	312200 J002	051	1S	R	
036	SPIRE PSW Ch05-08 . SHD06	SPC.I	-		S123	021SS-38	6	0123-2	CS-S0123-2	HSSVMCB2	27	312200 J002	036	1S	R	
-																
063	SPIRE PSW Ch05-08 . 7+	SPC.I	-		S123	021SS-38	7	0123-3		HSSVMCB2	27	312200 J002	063	1S	R	
075	SPIRE PSW Ch05-08 . 7-	SPC.I	-		S123	021SS-38	7	0123-3		HSSVMCB2	27	312200 J002	075	1S	R	
036	SPIRE PSW Ch05-08 . SHD07	SPC.I	-		S123	021SS-38	7	0123-3	CS-S0123-3	HSSVMCB2	27	312200 J002	036	1S	R	
-																
074	SPIRE PSW Ch05-08 . 8+	SPC.I	-		S123	021SS-38	8	0123-4		HSSVMCB2	27	312200 J002	074	1S	R	
073	SPIRE PSW Ch05-08 . 8-	SPC.I	-		S123	021SS-38	8	0123-4		HSSVMCB2	27	312200 J002	073	1S	R	
036	SPIRE PSW Ch05-08 . SHD08	SPC.I	-		S123	021SS-38	8	0123-4	CS-S0123-4	HSSVMCB2	27	312200 J002	036	1S	R	
-																
083	SPIRE PSW Ch09-12 . 9+	SPC.I	-		S124	021SS-38	9	124-1		HSSVMCB2	27	312200 J002	083	1S	R	
072	SPIRE PSW Ch09-12 . 9-	SPC.I	-		S124	021SS-38	9	124-1		HSSVMCB2	27	312200 J002	072	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
036	SPIRE PSW Ch09-12 . SHD09		SPC.I -		S124	021SS-38	9	124-1		CS-S124-1	HSSVMCB2	27	312200 J002	036	1S	R
-																
095	SPIRE PSW Ch09-12 . 10+		SPC.I -		S124	021SS-38	10	124-2			HSSVMCB2	27	312200 J002	095	1S	R
084	SPIRE PSW Ch09-12 . 10-		SPC.I -		S124	021SS-38	10	124-2			HSSVMCB2	27	312200 J002	084	1S	R
036	SPIRE PSW Ch09-12 . SHD10		SPC.I -		S124	021SS-38	10	124-2		CS-S124-2	HSSVMCB2	27	312200 J002	036	1S	R
-																
096	SPIRE PSW Ch09-12 . 11+		SPC.I -		S124	021SS-38	11	124-3			HSSVMCB2	27	312200 J002	096	1S	R
085	SPIRE PSW Ch09-12 . 11-		SPC.I -		S124	021SS-38	11	124-3			HSSVMCB2	27	312200 J002	085	1S	R
036	SPIRE PSW Ch09-12 . SHD11		SPC.I -		S124	021SS-38	11	124-3		CS-S124-3	HSSVMCB2	27	312200 J002	036	1S	R
-																
106	SPIRE PSW Ch09-12 . 12+		SPC.I -		S124	021SS-38	12	124-4			HSSVMCB2	27	312200 J002	106	1S	R
107	SPIRE PSW Ch09-12 . 12-		SPC.I -		S124	021SS-38	12	124-4			HSSVMCB2	27	312200 J002	107	1S	R
036	SPIRE PSW Ch09-12 . SHD12		SPC.I -		S124	021SS-38	12	124-4		CS-S124-4	HSSVMCB2	27	312200 J002	036	1S	R
-																
086	SPIRE PSW Ch13-16 . 13+		SPC.I -		S127	021SS-38	13	127-1			HSSVMCB2	27	312200 J002	086	1S	R
087	SPIRE PSW Ch13-16 . 13-		SPC.I -		S127	021SS-38	13	127-1			HSSVMCB2	27	312200 J002	087	1S	R
036	SPIRE PSW Ch13-16 . SHD13		SPC.I -		S127	021SS-38	13	127-1		CS-S127-1	HSSVMCB2	27	312200 J002	036	1S	R
-																
097	SPIRE PSW Ch13-16 . 14+		SPC.I -		S127	021SS-38	14	127-2			HSSVMCB2	27	312200 J002	097	1S	R
098	SPIRE PSW Ch13-16 . 14-		SPC.I -		S127	021SS-38	14	127-2			HSSVMCB2	27	312200 J002	098	1S	R
036	SPIRE PSW Ch13-16 . SHD14		SPC.I -		S127	021SS-38	14	127-2		CS-S127-2	HSSVMCB2	27	312200 J002	036	1S	R
-																
108	SPIRE PSW Ch13-16 . 15+		SPC.I -		S127	021SS-38	15	127-3			HSSVMCB2	27	312200 J002	108	1S	R
109	SPIRE PSW Ch13-16 . 15-		SPC.I -		S127	021SS-38	15	127-3			HSSVMCB2	27	312200 J002	109	1S	R
036	SPIRE PSW Ch13-16 . SHD15		SPC.I -		S127	021SS-38	15	127-3		CS-S127-3	HSSVMCB2	27	312200 J002	036	1S	R
-																
116	SPIRE PSW Ch13-16 . 16+		SPC.I -		S127	021SS-38	16	127-4			HSSVMCB2	27	312200 J002	116	1S	R
117	SPIRE PSW Ch13-16 . 16-		SPC.I -		S127	021SS-38	16	127-4			HSSVMCB2	27	312200 J002	117	1S	R
036	SPIRE PSW Ch13-16 . SHD16		SPC.I -		S127	021SS-38	16	127-4		CS-S127-4	HSSVMCB2	27	312200 J002	036	1S	R
-																
036	SPIRE PLW B09 GND WIRE A1		SPX.- -		S491	010B0-30					HSSVMCB2	27	312200 J002	036	1S	R
-																
055	SPIRE PSW Ch17-20 . 17+		SPC.I -		S128	021SS-38	17	128-1			HSSVMCB2	27	312200 J002	055	1S	R
066	SPIRE PSW Ch17-20 . 17-		SPC.I -		S128	021SS-38	17	128-1			HSSVMCB2	27	312200 J002	066	1S	R

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
128	SPIRE PSW Ch17-20 . SHD17		SPC.I -		S128	021SS-38	17	128-1	CS-S128-1	HSSVMCB2	27	312200 J002	128	1S	R	
-																
067	SPIRE PSW Ch17-20 . 18+		SPC.I -		S128	021SS-38	18	128-2		HSSVMCB2	27	312200 J002	067	1S	R	
078	SPIRE PSW Ch17-20 . 18-		SPC.I -		S128	021SS-38	18	128-2		HSSVMCB2	27	312200 J002	078	1S	R	
128	SPIRE PSW Ch17-20 . SHD18		SPC.I -		S128	021SS-38	18	128-2	CS-S128-2	HSSVMCB2	27	312200 J002	128	1S	R	
-																
076	SPIRE PSW Ch17-20 . 19+		SPC.I -		S128	021SS-38	19	128-3		HSSVMCB2	27	312200 J002	076	1S	R	
077	SPIRE PSW Ch17-20 . 19-		SPC.I -		S128	021SS-38	19	128-3		HSSVMCB2	27	312200 J002	077	1S	R	
128	SPIRE PSW Ch17-20 . SHD19		SPC.I -		S128	021SS-38	19	128-3	CS-S128-3	HSSVMCB2	27	312200 J002	128	1S	R	
-																
088	SPIRE PSW Ch17-20 . 20+		SPC.I -		S128	021SS-38	20	128-4		HSSVMCB2	27	312200 J002	088	1S	R	
089	SPIRE PSW Ch17-20 . 20-		SPC.I -		S128	021SS-38	20	128-4		HSSVMCB2	27	312200 J002	089	1S	R	
128	SPIRE PSW Ch17-20 . SHD20		SPC.I -		S128	021SS-38	20	128-4	CS-S128-4	HSSVMCB2	27	312200 J002	128	1S	R	
-																
099	SPIRE PSW Ch21-24 . 21+		SPC.I -		S129	021SS-38	21	129-1		HSSVMCB2	27	312200 J002	099	1S	R	
100	SPIRE PSW Ch21-24 . 21-		SPC.I -		S129	021SS-38	21	129-1		HSSVMCB2	27	312200 J002	100	1S	R	
128	SPIRE PSW Ch21-24 . SHD21		SPC.I -		S129	021SS-38	21	129-1	CS-S129-1	HSSVMCB2	27	312200 J002	128	1S	R	
-																
110	SPIRE PSW Ch21-24 . 22+		SPC.I -		S129	021SS-38	22	129-2		HSSVMCB2	27	312200 J002	110	1S	R	
111	SPIRE PSW Ch21-24 . 22-		SPC.I -		S129	021SS-38	22	129-2		HSSVMCB2	27	312200 J002	111	1S	R	
128	SPIRE PSW Ch21-24 . SHD22		SPC.I -		S129	021SS-38	22	129-2	CS-S129-2	HSSVMCB2	27	312200 J002	128	1S	R	
-																
118	SPIRE PSW Ch21-24 . 23+		SPC.I -		S129	021SS-38	23	129-3		HSSVMCB2	27	312200 J002	118	1S	R	
119	SPIRE PSW Ch21-24 . 23-		SPC.I -		S129	021SS-38	23	129-3		HSSVMCB2	27	312200 J002	119	1S	R	
128	SPIRE PSW Ch21-24 . SHD23		SPC.I -		S129	021SS-38	23	129-3	CS-S129-3	HSSVMCB2	27	312200 J002	128	1S	R	
-																
112	SPIRE PSW Ch21-24 . 24+		SPC.I -		S129	021SS-38	24	129-4		HSSVMCB2	27	312200 J002	112	1S	R	
120	SPIRE PSW Ch21-24 . 24-		SPC.I -		S129	021SS-38	24	129-4		HSSVMCB2	27	312200 J002	120	1S	R	
128	SPIRE PSW Ch21-24 . SHD24		SPC.I -		S129	021SS-38	24	129-4	CS-S129-4	HSSVMCB2	27	312200 J002	128	1S	R	
-																
090	SPIRE PSW Ch25-28 . 25+		SPC.I -		S131	021SS-38	25	131-1		HSSVMCB2	27	312200 J002	090	1S	R	
079	SPIRE PSW Ch25-28 . 25-		SPC.I -		S131	021SS-38	25	131-1		HSSVMCB2	27	312200 J002	079	1S	R	
128	SPIRE PSW Ch25-28 . SHD25		SPC.I -		S131	021SS-38	25	131-1	CS-S131-1	HSSVMCB2	27	312200 J002	128	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
102	SPIRE PSW Ch25-28 . 26+	SPC.I	-		S131	021SS-38	26	131-2		HSSVMCB2	27	312200 J002	102	1S	R	
101	SPIRE PSW Ch25-28 . 26-	SPC.I	-		S131	021SS-38	26	131-2		HSSVMCB2	27	312200 J002	101	1S	R	
128	SPIRE PSW Ch25-28 . SHD26	SPC.I	-		S131	021SS-38	26	131-2	CS-S131-2	HSSVMCB2	27	312200 J002	128	1S	R	
-																
092	SPIRE PSW Ch25-28 . 27+	SPC.I	-		S131	021SS-38	27	131-3		HSSVMCB2	27	312200 J002	092	1S	R	
091	SPIRE PSW Ch25-28 . 27-	SPC.I	-		S131	021SS-38	27	131-3		HSSVMCB2	27	312200 J002	091	1S	R	
128	SPIRE PSW Ch25-28 . SHD27	SPC.I	-		S131	021SS-38	27	131-3	CS-S131-3	HSSVMCB2	27	312200 J002	128	1S	R	
-																
103	SPIRE PSW Ch25-28 . 28+	SPC.I	-		S131	021SS-38	28	131-4		HSSVMCB2	27	312200 J002	103	1S	R	
113	SPIRE PSW Ch25-28 . 28-	SPC.I	-		S131	021SS-38	28	131-4		HSSVMCB2	27	312200 J002	113	1S	R	
128	SPIRE PSW Ch25-28 . SHD28	SPC.I	-		S131	021SS-38	28	131-4	CS-S131-4	HSSVMCB2	27	312200 J002	128	1S	R	
-																
058	SPIRE PSW Ch29-32 . 29+	SPC.I	-		S132	021SS-38	29	132-1		HSSVMCB2	27	312200 J002	058	1S	R	
046	SPIRE PSW Ch29-32 . 29-	SPC.I	-		S132	021SS-38	29	132-1		HSSVMCB2	27	312200 J002	046	1S	R	
128	SPIRE PSW Ch29-32 . SHD29	SPC.I	-		S132	021SS-38	29	132-1	CS-S132-1	HSSVMCB2	27	312200 J002	128	1S	R	
-																
068	SPIRE PSW Ch29-32 . 30+	SPC.I	-		S132	021SS-38	30	132-2		HSSVMCB2	27	312200 J002	068	1S	R	
057	SPIRE PSW Ch29-32 . 30-	SPC.I	-		S132	021SS-38	30	132-2		HSSVMCB2	27	312200 J002	057	1S	R	
128	SPIRE PSW Ch29-32 . SHD30	SPC.I	-		S132	021SS-38	30	132-2	CS-S132-2	HSSVMCB2	27	312200 J002	128	1S	R	
-																
069	SPIRE PSW Ch29-32 . 31+	SPC.I	-		S132	021SS-38	31	132-3		HSSVMCB2	27	312200 J002	069	1S	R	
080	SPIRE PSW Ch29-32 . 31-	SPC.I	-		S132	021SS-38	31	132-3		HSSVMCB2	27	312200 J002	080	1S	R	
128	SPIRE PSW Ch29-32 . SHD31	SPC.I	-		S132	021SS-38	31	132-3	CS-S132-3	HSSVMCB2	27	312200 J002	128	1S	R	
-																
070	SPIRE PSW Ch29-32 . 32+	SPC.I	-		S132	021SS-38	32	132-4		HSSVMCB2	27	312200 J002	070	1S	R	
081	SPIRE PSW Ch29-32 . 32-	SPC.I	-		S132	021SS-38	32	132-4		HSSVMCB2	27	312200 J002	081	1S	R	
128	SPIRE PSW Ch29-32 . SHD32	SPC.I	-		S132	021SS-38	32	132-4	CS-S132-4	HSSVMCB2	27	312200 J002	128	1S	R	
-																
128	SPIRE PLW B09 GND WIRE A2	SPX.-	-		S492	010B0-30				HSSVMCB2	27	312200 J002	128	1S	R	
-																
023	SPIRE PSW Ch33-36 . 33+	SPC.I	-		S133	021SS-38	33	133-1		HSSVMCB2	27	312200 J002	023	1S	R	
034	SPIRE PSW Ch33-36 . 33-	SPC.I	-		S133	021SS-38	33	133-1		HSSVMCB2	27	312200 J002	034	1S	R	
004	SPIRE PSW Ch33-36 . SHD33	SPC.I	-		S133	021SS-38	33	133-1	CS-S133-1	HSSVMCB2	27	312200 J002	004	1S	R	
-																

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
033	SPIRE PSW Ch33-36 . 34+		SPC.I -		S133	021SS-38	34	133-2		HSSVMCB2	27	312200 J002	033	1S	R	
045	SPIRE PSW Ch33-36 . 34-		SPC.I -		S133	021SS-38	34	133-2		HSSVMCB2	27	312200 J002	045	1S	R	
004	SPIRE PSW Ch33-36 . SHD34		SPC.I -		S133	021SS-38	34	133-2	CS-S133-2	HSSVMCB2	27	312200 J002	004	1S	R	
-																
044	SPIRE PSW Ch33-36 . 35+		SPC.I -		S133	021SS-38	35	133-3		HSSVMCB2	27	312200 J002	044	1S	R	
056	SPIRE PSW Ch33-36 . 35-		SPC.I -		S133	021SS-38	35	133-3		HSSVMCB2	27	312200 J002	056	1S	R	
004	SPIRE PSW Ch33-36 . SHD35		SPC.I -		S133	021SS-38	35	133-3	CS-S133-3	HSSVMCB2	27	312200 J002	004	1S	R	
-																
022	SPIRE PSW Ch33-36 . 36+		SPC.I -		S133	021SS-38	36	133-4		HSSVMCB2	27	312200 J002	022	1S	R	
032	SPIRE PSW Ch33-36 . 36-		SPC.I -		S133	021SS-38	36	133-4		HSSVMCB2	27	312200 J002	032	1S	R	
004	SPIRE PSW Ch33-36 . SHD36		SPC.I -		S133	021SS-38	36	133-4	CS-S133-4	HSSVMCB2	27	312200 J002	004	1S	R	
-																
013	SPIRE PSW Ch37-40 . 37+		SPC.I -		S136	021SS-38	37	136-1		HSSVMCB2	27	312200 J002	013	1S	R	
012	SPIRE PSW Ch37-40 . 37-		SPC.I -		S136	021SS-38	37	136-1		HSSVMCB2	27	312200 J002	012	1S	R	
004	SPIRE PSW Ch37-40 . SHD37		SPC.I -		S136	021SS-38	37	136-1	CS-S136-1	HSSVMCB2	27	312200 J002	004	1S	R	
-																
021	SPIRE PSW Ch37-40 . 38+		SPC.I -		S136	021SS-38	38	136-2		HSSVMCB2	27	312200 J002	021	1S	R	
020	SPIRE PSW Ch37-40 . 38-		SPC.I -		S136	021SS-38	38	136-2		HSSVMCB2	27	312200 J002	020	1S	R	
004	SPIRE PSW Ch37-40 . SHD38		SPC.I -		S136	021SS-38	38	136-2	CS-S136-2	HSSVMCB2	27	312200 J002	004	1S	R	
-																
031	SPIRE PSW Ch37-40 . 39+		SPC.I -		S136	021SS-38	39	136-3		HSSVMCB2	27	312200 J002	031	1S	R	
043	SPIRE PSW Ch37-40 . 39-		SPC.I -		S136	021SS-38	39	136-3		HSSVMCB2	27	312200 J002	043	1S	R	
004	SPIRE PSW Ch37-40 . SHD39		SPC.I -		S136	021SS-38	39	136-3	CS-S136-3	HSSVMCB2	27	312200 J002	004	1S	R	
-																
042	SPIRE PSW Ch37-40 . 40+		SPC.I -		S136	021SS-38	40	136-4		HSSVMCB2	27	312200 J002	042	1S	R	
054	SPIRE PSW Ch37-40 . 40-		SPC.I -		S136	021SS-38	40	136-4		HSSVMCB2	27	312200 J002	054	1S	R	
004	SPIRE PSW Ch37-40 . SHD40		SPC.I -		S136	021SS-38	40	136-4	CS-S136-4	HSSVMCB2	27	312200 J002	004	1S	R	
-																
010	SPIRE PSW Ch41-44 . 41+		SPC.I -		S137	021SS-38	41	137-1		HSSVMCB2	27	312200 J002	010	1S	R	
011	SPIRE PSW Ch41-44 . 41-		SPC.I -		S137	021SS-38	41	137-1		HSSVMCB2	27	312200 J002	011	1S	R	
004	SPIRE PSW Ch41-44 . SHD41		SPC.I -		S137	021SS-38	41	137-1	CS-S137-1	HSSVMCB2	27	312200 J002	004	1S	R	
-																
019	SPIRE PSW Ch41-44 . 42+		SPC.I -		S137	021SS-38	42	137-2		HSSVMCB2	27	312200 J002	019	1S	R	
029	SPIRE PSW Ch41-44 . 42-		SPC.I -		S137	021SS-38	42	137-2		HSSVMCB2	27	312200 J002	029	1S	R	

Pin Allocation List

(Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
004	SPIRE PSW Ch41-44 . SHD42		SPC.I -		S137	021SS-38	42	137-2	CS-S137-2	HSSVMCB2	27	312200 J002	004	1S	R	
-																
041	SPIRE PSW Ch41-44 . 43+		SPC.I -		S137	021SS-38	43	137-3		HSSVMCB2	27	312200 J002	041	1S	R	
030	SPIRE PSW Ch41-44 . 43-		SPC.I -		S137	021SS-38	43	137-3		HSSVMCB2	27	312200 J002	030	1S	R	
004	SPIRE PSW Ch41-44 . SHD43		SPC.I -		S137	021SS-38	43	137-3	CS-S137-3	HSSVMCB2	27	312200 J002	004	1S	R	
-																
053	SPIRE PSW Ch41-44 . 44+		SPC.I -		S137	021SS-38	44	137-4		HSSVMCB2	27	312200 J002	053	1S	R	
052	SPIRE PSW Ch41-44 . 44-		SPC.I -		S137	021SS-38	44	137-4		HSSVMCB2	27	312200 J002	052	1S	R	
004	SPIRE PSW Ch41-44 . SHD44		SPC.I -		S137	021SS-38	44	137-4	CS-S137-4	HSSVMCB2	27	312200 J002	004	1S	R	
-																
009	SPIRE PSW Ch45-48 . 45+		SPC.I -		S138	021SS-38	45	138-1		HSSVMCB2	27	312200 J002	009	1S	R	
017	SPIRE PSW Ch45-48 . 45-		SPC.I -		S138	021SS-38	45	138-1		HSSVMCB2	27	312200 J002	017	1S	R	
004	SPIRE PSW Ch45-48 . SHD45		SPC.I -		S138	021SS-38	45	138-1	CS-S138-1	HSSVMCB2	27	312200 J002	004	1S	R	
-																
018	SPIRE PSW Ch45-48 . 46+		SPC.I -		S138	021SS-38	46	138-2		HSSVMCB2	27	312200 J002	018	1S	R	
028	SPIRE PSW Ch45-48 . 46-		SPC.I -		S138	021SS-38	46	138-2		HSSVMCB2	27	312200 J002	028	1S	R	
004	SPIRE PSW Ch45-48 . SHD46		SPC.I -		S138	021SS-38	46	138-2	CS-S138-2	HSSVMCB2	27	312200 J002	004	1S	R	
-																
016	SPIRE PSW Ch45-48 . 47+		SPC.I -		S138	021SS-38	47	138-3		HSSVMCB2	27	312200 J002	016	1S	R	
027	SPIRE PSW Ch45-48 . 47-		SPC.I -		S138	021SS-38	47	138-3		HSSVMCB2	27	312200 J002	027	1S	R	
004	SPIRE PSW Ch45-48 . SHD47		SPC.I -		S138	021SS-38	47	138-3	CS-S138-3	HSSVMCB2	27	312200 J002	004	1S	R	
-																
040	SPIRE PSW Ch45-48 . 48+		SPC.I -		S138	021SS-38	48	138-4		HSSVMCB2	27	312200 J002	040	1S	R	
039	SPIRE PSW Ch45-48 . 48-		SPC.I -		S138	021SS-38	48	138-4		HSSVMCB2	27	312200 J002	039	1S	R	
004	SPIRE PSW Ch45-48 . SHD48		SPC.I -		S138	021SS-38	48	138-4	CS-S138-4	HSSVMCB2	27	312200 J002	004	1S	R	
-																
004	SPIRE PLW B09 GND WIRE A4		SPX.- -		S494	010B0-30				HSSVMCB2	27	312200 J002	004	1S	R	
-																
047	SPIRE PLW B09 GND WIRE A3		SPX.- -		S493	010B0-30				HSSVMCB2	27	312200 J002	047	1S	R	
-																
036	Interconnection Star Pin								star pin for shield interconnection					1S		
004	to be con to pin 036													1S		
047	to be con to pin 036													1S		
128	to be con to pin 036													1S		

Pin Allocation List (Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S

Pin Allocation List (Harness)

Connector: 211121 P028
Item: CVVUCR

Function / Bundle: UFThr 263.2° / SIH-XS-09

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	2 pins are NC									The following Pins are NC :					1S
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW Ch01-04 . 1+	SPC.I	-		S122	021SS-38	1	122-1		CVVUCR	33	211121 P028	026	R 1S	
037	SPIRE PSW Ch01-04 . 1-	SPC.I	-		S122	021SS-38	1	122-1		CVVUCR	33	211121 P028	037	R 1S	
036	SPIRE PSW Ch01-04 . SHD01	SPC.I	-		S122	021SS-38	1	122-1	CS-S122-1	CVVUCR	33	211121 P028	036	R 1S	
-														R	
038	SPIRE PSW Ch01-04 . 2+	SPC.I	-		S122	021SS-38	2	122-2		CVVUCR	33	211121 P028	038	R 1S	
049	SPIRE PSW Ch01-04 . 2-	SPC.I	-		S122	021SS-38	2	122-2		CVVUCR	33	211121 P028	049	R 1S	
036	SPIRE PSW Ch01-04 . SHD02	SPC.I	-		S122	021SS-38	2	122-2	CS-S122-2	CVVUCR	33	211121 P028	036	R 1S	
-														R	
048	SPIRE PSW Ch01-04 . 3+	SPC.I	-		S122	021SS-38	3	122-3		CVVUCR	33	211121 P028	048	R 1S	
060	SPIRE PSW Ch01-04 . 3-	SPC.I	-		S122	021SS-38	3	122-3		CVVUCR	33	211121 P028	060	R 1S	
036	SPIRE PSW Ch01-04 . SHD03	SPC.I	-		S122	021SS-38	3	122-3	CS-S122-3	CVVUCR	33	211121 P028	036	R 1S	
-														R	
059	SPIRE PSW Ch01-04 . 4+	SPC.I	-		S122	021SS-38	4	122-4		CVVUCR	33	211121 P028	059	R 1S	
071	SPIRE PSW Ch01-04 . 4-	SPC.I	-		S122	021SS-38	4	122-4		CVVUCR	33	211121 P028	071	R 1S	
036	SPIRE PSW Ch01-04 . SHD04	SPC.I	-		S122	021SS-38	4	122-4	CS-S122-4	CVVUCR	33	211121 P028	036	R 1S	
-														R	
050	SPIRE PSW Ch05-08 . 5+	SPC.I	-		S123	021SS-38	5	0123-1		CVVUCR	33	211121 P028	050	R 1S	
061	SPIRE PSW Ch05-08 . 5-	SPC.I	-		S123	021SS-38	5	0123-1		CVVUCR	33	211121 P028	061	R 1S	
036	SPIRE PSW Ch05-08 . SHD05	SPC.I	-		S123	021SS-38	5	0123-1	CS-S0123-1	CVVUCR	33	211121 P028	036	R 1S	
-														R	
062	SPIRE PSW Ch05-08 . 6+	SPC.I	-		S123	021SS-38	6	0123-2		CVVUCR	33	211121 P028	062	R 1S	
051	SPIRE PSW Ch05-08 . 6-	SPC.I	-		S123	021SS-38	6	0123-2		CVVUCR	33	211121 P028	051	R 1S	
036	SPIRE PSW Ch05-08 . SHD06	SPC.I	-		S123	021SS-38	6	0123-2	CS-S0123-2	CVVUCR	33	211121 P028	036	R 1S	
-														R	
063	SPIRE PSW Ch05-08 . 7+	SPC.I	-		S123	021SS-38	7	0123-3		CVVUCR	33	211121 P028	063	R 1S	
075	SPIRE PSW Ch05-08 . 7-	SPC.I	-		S123	021SS-38	7	0123-3		CVVUCR	33	211121 P028	075	R 1S	
036	SPIRE PSW Ch05-08 . SHD07	SPC.I	-		S123	021SS-38	7	0123-3	CS-S0123-3	CVVUCR	33	211121 P028	036	R 1S	
-														R	
074	SPIRE PSW Ch05-08 . 8+	SPC.I	-		S123	021SS-38	8	0123-4		CVVUCR	33	211121 P028	074	R 1S	
073	SPIRE PSW Ch05-08 . 8-	SPC.I	-		S123	021SS-38	8	0123-4		CVVUCR	33	211121 P028	073	R 1S	
036	SPIRE PSW Ch05-08 . SHD08	SPC.I	-		S123	021SS-38	8	0123-4	CS-S0123-4	CVVUCR	33	211121 P028	036	R 1S	
-														R	
083	SPIRE PSW Ch09-12 . 9+	SPC.I	-		S124	021SS-38	9	124-1		CVVUCR	33	211121 P028	083	R 1S	
072	SPIRE PSW Ch09-12 . 9-	SPC.I	-		S124	021SS-38	9	124-1		CVVUCR	33	211121 P028	072	R 1S	

Pin Allocation List

(Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE PSW Ch09-12 . SHD09		SPC.I -		S124	021SS-38	9	124-1		CS-S124-1	CVVUCR	33	211121 P028	036	R 1S
-															R
095	SPIRE PSW Ch09-12 . 10+		SPC.I -		S124	021SS-38	10	124-2			CVVUCR	33	211121 P028	095	R 1S
084	SPIRE PSW Ch09-12 . 10-		SPC.I -		S124	021SS-38	10	124-2			CVVUCR	33	211121 P028	084	R 1S
036	SPIRE PSW Ch09-12 . SHD10		SPC.I -		S124	021SS-38	10	124-2		CS-S124-2	CVVUCR	33	211121 P028	036	R 1S
-															R
096	SPIRE PSW Ch09-12 . 11+		SPC.I -		S124	021SS-38	11	124-3			CVVUCR	33	211121 P028	096	R 1S
085	SPIRE PSW Ch09-12 . 11-		SPC.I -		S124	021SS-38	11	124-3			CVVUCR	33	211121 P028	085	R 1S
036	SPIRE PSW Ch09-12 . SHD11		SPC.I -		S124	021SS-38	11	124-3		CS-S124-3	CVVUCR	33	211121 P028	036	R 1S
-															R
106	SPIRE PSW Ch09-12 . 12+		SPC.I -		S124	021SS-38	12	124-4			CVVUCR	33	211121 P028	106	R 1S
107	SPIRE PSW Ch09-12 . 12-		SPC.I -		S124	021SS-38	12	124-4			CVVUCR	33	211121 P028	107	R 1S
036	SPIRE PSW Ch09-12 . SHD12		SPC.I -		S124	021SS-38	12	124-4		CS-S124-4	CVVUCR	33	211121 P028	036	R 1S
-															R
086	SPIRE PSW Ch13-16 . 13+		SPC.I -		S127	021SS-38	13	127-1			CVVUCR	33	211121 P028	086	R 1S
087	SPIRE PSW Ch13-16 . 13-		SPC.I -		S127	021SS-38	13	127-1			CVVUCR	33	211121 P028	087	R 1S
036	SPIRE PSW Ch13-16 . SHD13		SPC.I -		S127	021SS-38	13	127-1		CS-S127-1	CVVUCR	33	211121 P028	036	R 1S
-															R
097	SPIRE PSW Ch13-16 . 14+		SPC.I -		S127	021SS-38	14	127-2			CVVUCR	33	211121 P028	097	R 1S
098	SPIRE PSW Ch13-16 . 14-		SPC.I -		S127	021SS-38	14	127-2			CVVUCR	33	211121 P028	098	R 1S
036	SPIRE PSW Ch13-16 . SHD14		SPC.I -		S127	021SS-38	14	127-2		CS-S127-2	CVVUCR	33	211121 P028	036	R 1S
-															R
108	SPIRE PSW Ch13-16 . 15+		SPC.I -		S127	021SS-38	15	127-3			CVVUCR	33	211121 P028	108	R 1S
109	SPIRE PSW Ch13-16 . 15-		SPC.I -		S127	021SS-38	15	127-3			CVVUCR	33	211121 P028	109	R 1S
036	SPIRE PSW Ch13-16 . SHD15		SPC.I -		S127	021SS-38	15	127-3		CS-S127-3	CVVUCR	33	211121 P028	036	R 1S
-															R
116	SPIRE PSW Ch13-16 . 16+		SPC.I -		S127	021SS-38	16	127-4			CVVUCR	33	211121 P028	116	R 1S
117	SPIRE PSW Ch13-16 . 16-		SPC.I -		S127	021SS-38	16	127-4			CVVUCR	33	211121 P028	117	R 1S
036	SPIRE PSW Ch13-16 . SHD16		SPC.I -		S127	021SS-38	16	127-4		CS-S127-4	CVVUCR	33	211121 P028	036	R 1S
-															R
036	SPIRE PLW B09 GND WIRE A1		SPX.- -		S491	010B0-30					CVVUCR	33	211121 P028	036	R 1S
-															R
055	SPIRE PSW Ch17-20 . 17+		SPC.I -		S128	021SS-38	17	128-1			CVVUCR	33	211121 P028	055	R 1S
066	SPIRE PSW Ch17-20 . 17-		SPC.I -		S128	021SS-38	17	128-1			CVVUCR	33	211121 P028	066	R 1S

Pin Allocation List

(Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	SPIRE PSW Ch17-20 . SHD17		SPC.I -		S128	021SS-38	17	128-1	CS-S128-1	CVVUCR	33	211121 P028	128	R 1S	
-														R	
067	SPIRE PSW Ch17-20 . 18+		SPC.I -		S128	021SS-38	18	128-2		CVVUCR	33	211121 P028	067	R 1S	
078	SPIRE PSW Ch17-20 . 18-		SPC.I -		S128	021SS-38	18	128-2		CVVUCR	33	211121 P028	078	R 1S	
128	SPIRE PSW Ch17-20 . SHD18		SPC.I -		S128	021SS-38	18	128-2	CS-S128-2	CVVUCR	33	211121 P028	128	R 1S	
-														R	
076	SPIRE PSW Ch17-20 . 19+		SPC.I -		S128	021SS-38	19	128-3		CVVUCR	33	211121 P028	076	R 1S	
077	SPIRE PSW Ch17-20 . 19-		SPC.I -		S128	021SS-38	19	128-3		CVVUCR	33	211121 P028	077	R 1S	
128	SPIRE PSW Ch17-20 . SHD19		SPC.I -		S128	021SS-38	19	128-3	CS-S128-3	CVVUCR	33	211121 P028	128	R 1S	
-														R	
088	SPIRE PSW Ch17-20 . 20+		SPC.I -		S128	021SS-38	20	128-4		CVVUCR	33	211121 P028	088	R 1S	
089	SPIRE PSW Ch17-20 . 20-		SPC.I -		S128	021SS-38	20	128-4		CVVUCR	33	211121 P028	089	R 1S	
128	SPIRE PSW Ch17-20 . SHD20		SPC.I -		S128	021SS-38	20	128-4	CS-S128-4	CVVUCR	33	211121 P028	128	R 1S	
-														R	
099	SPIRE PSW Ch21-24 . 21+		SPC.I -		S129	021SS-38	21	129-1		CVVUCR	33	211121 P028	099	R 1S	
100	SPIRE PSW Ch21-24 . 21-		SPC.I -		S129	021SS-38	21	129-1		CVVUCR	33	211121 P028	100	R 1S	
128	SPIRE PSW Ch21-24 . SHD21		SPC.I -		S129	021SS-38	21	129-1	CS-S129-1	CVVUCR	33	211121 P028	128	R 1S	
-														R	
110	SPIRE PSW Ch21-24 . 22+		SPC.I -		S129	021SS-38	22	129-2		CVVUCR	33	211121 P028	110	R 1S	
111	SPIRE PSW Ch21-24 . 22-		SPC.I -		S129	021SS-38	22	129-2		CVVUCR	33	211121 P028	111	R 1S	
128	SPIRE PSW Ch21-24 . SHD22		SPC.I -		S129	021SS-38	22	129-2	CS-S129-2	CVVUCR	33	211121 P028	128	R 1S	
-														R	
118	SPIRE PSW Ch21-24 . 23+		SPC.I -		S129	021SS-38	23	129-3		CVVUCR	33	211121 P028	118	R 1S	
119	SPIRE PSW Ch21-24 . 23-		SPC.I -		S129	021SS-38	23	129-3		CVVUCR	33	211121 P028	119	R 1S	
128	SPIRE PSW Ch21-24 . SHD23		SPC.I -		S129	021SS-38	23	129-3	CS-S129-3	CVVUCR	33	211121 P028	128	R 1S	
-														R	
112	SPIRE PSW Ch21-24 . 24+		SPC.I -		S129	021SS-38	24	129-4		CVVUCR	33	211121 P028	112	R 1S	
120	SPIRE PSW Ch21-24 . 24-		SPC.I -		S129	021SS-38	24	129-4		CVVUCR	33	211121 P028	120	R 1S	
128	SPIRE PSW Ch21-24 . SHD24		SPC.I -		S129	021SS-38	24	129-4	CS-S129-4	CVVUCR	33	211121 P028	128	R 1S	
-														R	
090	SPIRE PSW Ch25-28 . 25+		SPC.I -		S131	021SS-38	25	131-1		CVVUCR	33	211121 P028	090	R 1S	
079	SPIRE PSW Ch25-28 . 25-		SPC.I -		S131	021SS-38	25	131-1		CVVUCR	33	211121 P028	079	R 1S	
128	SPIRE PSW Ch25-28 . SHD25		SPC.I -		S131	021SS-38	25	131-1	CS-S131-1	CVVUCR	33	211121 P028	128	R 1S	
-														R	

Pin Allocation List (Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
102	SPIRE PSW Ch25-28 . 26+	SPC.I	-		S131	021SS-38	26	131-2			CVVUCR	33	211121 P028	102	R 1S
101	SPIRE PSW Ch25-28 . 26-	SPC.I	-		S131	021SS-38	26	131-2			CVVUCR	33	211121 P028	101	R 1S
128	SPIRE PSW Ch25-28 . SHD26	SPC.I	-		S131	021SS-38	26	131-2	CS-S131-2		CVVUCR	33	211121 P028	128	R 1S
-															R
092	SPIRE PSW Ch25-28 . 27+	SPC.I	-		S131	021SS-38	27	131-3			CVVUCR	33	211121 P028	092	R 1S
091	SPIRE PSW Ch25-28 . 27-	SPC.I	-		S131	021SS-38	27	131-3			CVVUCR	33	211121 P028	091	R 1S
128	SPIRE PSW Ch25-28 . SHD27	SPC.I	-		S131	021SS-38	27	131-3	CS-S131-3		CVVUCR	33	211121 P028	128	R 1S
-															R
103	SPIRE PSW Ch25-28 . 28+	SPC.I	-		S131	021SS-38	28	131-4			CVVUCR	33	211121 P028	103	R 1S
113	SPIRE PSW Ch25-28 . 28-	SPC.I	-		S131	021SS-38	28	131-4			CVVUCR	33	211121 P028	113	R 1S
128	SPIRE PSW Ch25-28 . SHD28	SPC.I	-		S131	021SS-38	28	131-4	CS-S131-4		CVVUCR	33	211121 P028	128	R 1S
-															R
058	SPIRE PSW Ch29-32 . 29+	SPC.I	-		S132	021SS-38	29	132-1			CVVUCR	33	211121 P028	058	R 1S
046	SPIRE PSW Ch29-32 . 29-	SPC.I	-		S132	021SS-38	29	132-1			CVVUCR	33	211121 P028	046	R 1S
128	SPIRE PSW Ch29-32 . SHD29	SPC.I	-		S132	021SS-38	29	132-1	CS-S132-1		CVVUCR	33	211121 P028	128	R 1S
-															R
068	SPIRE PSW Ch29-32 . 30+	SPC.I	-		S132	021SS-38	30	132-2			CVVUCR	33	211121 P028	068	R 1S
057	SPIRE PSW Ch29-32 . 30-	SPC.I	-		S132	021SS-38	30	132-2			CVVUCR	33	211121 P028	057	R 1S
128	SPIRE PSW Ch29-32 . SHD30	SPC.I	-		S132	021SS-38	30	132-2	CS-S132-2		CVVUCR	33	211121 P028	128	R 1S
-															R
069	SPIRE PSW Ch29-32 . 31+	SPC.I	-		S132	021SS-38	31	132-3			CVVUCR	33	211121 P028	069	R 1S
080	SPIRE PSW Ch29-32 . 31-	SPC.I	-		S132	021SS-38	31	132-3			CVVUCR	33	211121 P028	080	R 1S
128	SPIRE PSW Ch29-32 . SHD31	SPC.I	-		S132	021SS-38	31	132-3	CS-S132-3		CVVUCR	33	211121 P028	128	R 1S
-															R
070	SPIRE PSW Ch29-32 . 32+	SPC.I	-		S132	021SS-38	32	132-4			CVVUCR	33	211121 P028	070	R 1S
081	SPIRE PSW Ch29-32 . 32-	SPC.I	-		S132	021SS-38	32	132-4			CVVUCR	33	211121 P028	081	R 1S
128	SPIRE PSW Ch29-32 . SHD32	SPC.I	-		S132	021SS-38	32	132-4	CS-S132-4		CVVUCR	33	211121 P028	128	R 1S
-															R
128	SPIRE PLW B09 GND WIRE A2	SPX.-	-		S492	010B0-30					CVVUCR	33	211121 P028	128	R 1S
-															R
023	SPIRE PSW Ch33-36 . 33+	SPC.I	-		S133	021SS-38	33	133-1			CVVUCR	33	211121 P028	023	R 1S
034	SPIRE PSW Ch33-36 . 33-	SPC.I	-		S133	021SS-38	33	133-1			CVVUCR	33	211121 P028	034	R 1S
004	SPIRE PSW Ch33-36 . SHD33	SPC.I	-		S133	021SS-38	33	133-1	CS-S133-1		CVVUCR	33	211121 P028	004	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PSW Ch33-36 . 34+		SPC.I -		S133	021SS-38	34	133-2		CVVUCR	33	211121 P028	033	R 1S	
045	SPIRE PSW Ch33-36 . 34-		SPC.I -		S133	021SS-38	34	133-2		CVVUCR	33	211121 P028	045	R 1S	
004	SPIRE PSW Ch33-36 . SHD34		SPC.I -		S133	021SS-38	34	133-2	CS-S133-2	CVVUCR	33	211121 P028	004	R 1S	
-														R	
044	SPIRE PSW Ch33-36 . 35+		SPC.I -		S133	021SS-38	35	133-3		CVVUCR	33	211121 P028	044	R 1S	
056	SPIRE PSW Ch33-36 . 35-		SPC.I -		S133	021SS-38	35	133-3		CVVUCR	33	211121 P028	056	R 1S	
004	SPIRE PSW Ch33-36 . SHD35		SPC.I -		S133	021SS-38	35	133-3	CS-S133-3	CVVUCR	33	211121 P028	004	R 1S	
-														R	
022	SPIRE PSW Ch33-36 . 36+		SPC.I -		S133	021SS-38	36	133-4		CVVUCR	33	211121 P028	022	R 1S	
032	SPIRE PSW Ch33-36 . 36-		SPC.I -		S133	021SS-38	36	133-4		CVVUCR	33	211121 P028	032	R 1S	
004	SPIRE PSW Ch33-36 . SHD36		SPC.I -		S133	021SS-38	36	133-4	CS-S133-4	CVVUCR	33	211121 P028	004	R 1S	
-														R	
013	SPIRE PSW Ch37-40 . 37+		SPC.I -		S136	021SS-38	37	136-1		CVVUCR	33	211121 P028	013	R 1S	
012	SPIRE PSW Ch37-40 . 37-		SPC.I -		S136	021SS-38	37	136-1		CVVUCR	33	211121 P028	012	R 1S	
004	SPIRE PSW Ch37-40 . SHD37		SPC.I -		S136	021SS-38	37	136-1	CS-S136-1	CVVUCR	33	211121 P028	004	R 1S	
-														R	
021	SPIRE PSW Ch37-40 . 38+		SPC.I -		S136	021SS-38	38	136-2		CVVUCR	33	211121 P028	021	R 1S	
020	SPIRE PSW Ch37-40 . 38-		SPC.I -		S136	021SS-38	38	136-2		CVVUCR	33	211121 P028	020	R 1S	
004	SPIRE PSW Ch37-40 . SHD38		SPC.I -		S136	021SS-38	38	136-2	CS-S136-2	CVVUCR	33	211121 P028	004	R 1S	
-														R	
031	SPIRE PSW Ch37-40 . 39+		SPC.I -		S136	021SS-38	39	136-3		CVVUCR	33	211121 P028	031	R 1S	
043	SPIRE PSW Ch37-40 . 39-		SPC.I -		S136	021SS-38	39	136-3		CVVUCR	33	211121 P028	043	R 1S	
004	SPIRE PSW Ch37-40 . SHD39		SPC.I -		S136	021SS-38	39	136-3	CS-S136-3	CVVUCR	33	211121 P028	004	R 1S	
-														R	
042	SPIRE PSW Ch37-40 . 40+		SPC.I -		S136	021SS-38	40	136-4		CVVUCR	33	211121 P028	042	R 1S	
054	SPIRE PSW Ch37-40 . 40-		SPC.I -		S136	021SS-38	40	136-4		CVVUCR	33	211121 P028	054	R 1S	
004	SPIRE PSW Ch37-40 . SHD40		SPC.I -		S136	021SS-38	40	136-4	CS-S136-4	CVVUCR	33	211121 P028	004	R 1S	
-														R	
010	SPIRE PSW Ch41-44 . 41+		SPC.I -		S137	021SS-38	41	137-1		CVVUCR	33	211121 P028	010	R 1S	
011	SPIRE PSW Ch41-44 . 41-		SPC.I -		S137	021SS-38	41	137-1		CVVUCR	33	211121 P028	011	R 1S	
004	SPIRE PSW Ch41-44 . SHD41		SPC.I -		S137	021SS-38	41	137-1	CS-S137-1	CVVUCR	33	211121 P028	004	R 1S	
-														R	
019	SPIRE PSW Ch41-44 . 42+		SPC.I -		S137	021SS-38	42	137-2		CVVUCR	33	211121 P028	019	R 1S	
029	SPIRE PSW Ch41-44 . 42-		SPC.I -		S137	021SS-38	42	137-2		CVVUCR	33	211121 P028	029	R 1S	

Pin Allocation List (Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
004	SPIRE PSW Ch41-44 . SHD42		SPC.I -		S137	021SS-38	42	137-2	CS-S137-2	CVVUCR	33	211121 P028	004	R 1S	
-														R	
041	SPIRE PSW Ch41-44 . 43+		SPC.I -		S137	021SS-38	43	137-3		CVVUCR	33	211121 P028	041	R 1S	
030	SPIRE PSW Ch41-44 . 43-		SPC.I -		S137	021SS-38	43	137-3		CVVUCR	33	211121 P028	030	R 1S	
004	SPIRE PSW Ch41-44 . SHD43		SPC.I -		S137	021SS-38	43	137-3	CS-S137-3	CVVUCR	33	211121 P028	004	R 1S	
-														R	
053	SPIRE PSW Ch41-44 . 44+		SPC.I -		S137	021SS-38	44	137-4		CVVUCR	33	211121 P028	053	R 1S	
052	SPIRE PSW Ch41-44 . 44-		SPC.I -		S137	021SS-38	44	137-4		CVVUCR	33	211121 P028	052	R 1S	
004	SPIRE PSW Ch41-44 . SHD44		SPC.I -		S137	021SS-38	44	137-4	CS-S137-4	CVVUCR	33	211121 P028	004	R 1S	
-														R	
009	SPIRE PSW Ch45-48 . 45+		SPC.I -		S138	021SS-38	45	138-1		CVVUCR	33	211121 P028	009	R 1S	
017	SPIRE PSW Ch45-48 . 45-		SPC.I -		S138	021SS-38	45	138-1		CVVUCR	33	211121 P028	017	R 1S	
004	SPIRE PSW Ch45-48 . SHD45		SPC.I -		S138	021SS-38	45	138-1	CS-S138-1	CVVUCR	33	211121 P028	004	R 1S	
-														R	
018	SPIRE PSW Ch45-48 . 46+		SPC.I -		S138	021SS-38	46	138-2		CVVUCR	33	211121 P028	018	R 1S	
028	SPIRE PSW Ch45-48 . 46-		SPC.I -		S138	021SS-38	46	138-2		CVVUCR	33	211121 P028	028	R 1S	
004	SPIRE PSW Ch45-48 . SHD46		SPC.I -		S138	021SS-38	46	138-2	CS-S138-2	CVVUCR	33	211121 P028	004	R 1S	
-														R	
016	SPIRE PSW Ch45-48 . 47+		SPC.I -		S138	021SS-38	47	138-3		CVVUCR	33	211121 P028	016	R 1S	
027	SPIRE PSW Ch45-48 . 47-		SPC.I -		S138	021SS-38	47	138-3		CVVUCR	33	211121 P028	027	R 1S	
004	SPIRE PSW Ch45-48 . SHD47		SPC.I -		S138	021SS-38	47	138-3	CS-S138-3	CVVUCR	33	211121 P028	004	R 1S	
-														R	
040	SPIRE PSW Ch45-48 . 48+		SPC.I -		S138	021SS-38	48	138-4		CVVUCR	33	211121 P028	040	R 1S	
039	SPIRE PSW Ch45-48 . 48-		SPC.I -		S138	021SS-38	48	138-4		CVVUCR	33	211121 P028	039	R 1S	
004	SPIRE PSW Ch45-48 . SHD48		SPC.I -		S138	021SS-38	48	138-4	CS-S138-4	CVVUCR	33	211121 P028	004	R 1S	
-														R	
004	SPIRE PLW B09 GND WIRE A4		SPX.- -		S494	010B0-30				CVVUCR	33	211121 P028	004	R 1S	
-														R	
047	SPIRE PLW B09 GND WIRE A3		SPX.- -		S493	010B0-30				CVVUCR	33	211121 P028	047	R 1S	
-														R	
036	Interconnectio Star Pin								Star Pin for Shield Interconnection					1S	
004	to be con to pin 036													1S	
047	to be con to pin 036													1S	

Pin Allocation List (Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
128	to be con to pin 036														1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
005	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
024	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
093	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
105	to be con as part of FCR									Faraday Cage Ring (FCR)					R
114	to be con as part of FCR									Faraday Cage Ring (FCR)					R
115	to be con as part of FCR									Faraday Cage Ring (FCR)					R
121	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	2 pins are NC									The following Pins are NC :					1S
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 211121 P034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SorptPumpTemp(N) . I+	S3E.-	-		S234	041SS-38	1				HSSVMCB3	27	312300 J006	029	R
030	SPIRE SorptPumpTemp(N) . I-	S3E.-	-		S234	041SS-38	1				HSSVMCB3	27	312300 J006	030	1S R
041	SPIRE SorptPumpTemp(N) . V+	S3E.-	-		S234	041SS-38	1				HSSVMCB3	27	312300 J006	041	R
042	SPIRE SorptPumpTemp(N) . V-	S3E.-	-		S234	041SS-38	1				HSSVMCB3	27	312300 J006	042	R
031	SPIRE SorptPumpTemp(N) . SHD01	S3E.-	-		S234	041SS-38	1			CS-S234	HSSVMCB3	27	312300 J006	031	1S R
-															
077	SPIRE EvaporatorTemp(N) . I+	S3E.-	-		S235	041SS-38	2				HSSVMCB3	27	312300 J006	077	R
076	SPIRE EvaporatorTemp(N) . I-	S3E.-	-		S235	041SS-38	2				HSSVMCB3	27	312300 J006	076	1S R
066	SPIRE EvaporatorTemp(N) . V+	S3E.-	-		S235	041SS-38	2				HSSVMCB3	27	312300 J006	066	R
065	SPIRE EvaporatorTemp(N) . V-	S3E.-	-		S235	041SS-38	2				HSSVMCB3	27	312300 J006	065	R
054	SPIRE EvaporatorTemp(N) . SHD02	S3E.-	-		S235	041SS-38	2			CS-S235	HSSVMCB3	27	312300 J006	054	1S R
-															
053	SPIRE SorptPumpSwTemp(N) . I+	S3E.-	-		S236	041SS-38	3				HSSVMCB3	27	312300 J006	053	R
052	SPIRE SorptPumpSwTemp(N) . I-	S3E.-	-		S236	041SS-38	3				HSSVMCB3	27	312300 J006	052	1S R
064	SPIRE SorptPumpSwTemp(N) . V+	S3E.-	-		S236	041SS-38	3				HSSVMCB3	27	312300 J006	064	R
063	SPIRE SorptPumpSwTemp(N) . V-	S3E.-	-		S236	041SS-38	3				HSSVMCB3	27	312300 J006	063	R
075	SPIRE SorptPumpSwTemp(N) . SHD03	S3E.-	-		S236	041SS-38	3			CS-S236	HSSVMCB3	27	312300 J006	075	1S R
-															
050	SPIRE EvaporSwTemp(N) . I+	S3E.-	-		S237	041SS-38	4				HSSVMCB3	27	312300 J006	050	R
061	SPIRE EvaporSwTemp(N) . I-	S3E.-	-		S237	041SS-38	4				HSSVMCB3	27	312300 J006	061	1S R
062	SPIRE EvaporSwTemp(N) . V+	S3E.-	-		S237	041SS-38	4				HSSVMCB3	27	312300 J006	062	R
051	SPIRE EvaporSwTemp(N) . V-	S3E.-	-		S237	041SS-38	4				HSSVMCB3	27	312300 J006	051	R
039	SPIRE EvaporSwTemp(N) . SHD04	S3E.-	-		S237	041SS-38	4			CS-S237	HSSVMCB3	27	312300 J006	039	1S R
-															
011	SPIRE ThermShuntTemp(N) . I+A	S3E.-	-		S238	041SS-38	5				HSSVMCB3	27	312300 J006	011	R
010	SPIRE ThermShuntTemp(N) . I-B	S3E.-	-		S238	041SS-38	5				HSSVMCB3	27	312300 J006	010	1S R
018	SPIRE ThermShuntTemp(N) . V-A	S3E.-	-		S238	041SS-38	5				HSSVMCB3	27	312300 J006	018	1S R
019	SPIRE ThermShuntTemp(N) . V+B	S3E.-	-		S238	041SS-38	5				HSSVMCB3	27	312300 J006	019	R
020	SPIRE ThermShuntTemp(N) . SHD05	S3E.-	-		S238	041SS-38	5			CS-S238	HSSVMCB3	27	312300 J006	020	1S R
-															
006	SPIRE SorptPumpHtr(N) . I+A	S3F.-	-		S239	040B0-30					HSSVMCB3	27	312300 J006	006	R
005	SPIRE SorptPumpHtr(N) . I-A	S3F.-	-		S239	040B0-30					HSSVMCB3	27	312300 J006	005	1S R
013	SPIRE SorptPumpHtr(N) . I+B	S3F.-	-		S239	040B0-30					HSSVMCB3	27	312300 J006	013	R
012	SPIRE SorptPumpHtr(N) . I-B	S3F.-	-		S239	040B0-30					HSSVMCB3	27	312300 J006	012	R

Pin Allocation List

(Harness)

Connector: 211121 P034**Function / Bundle:** UFThr. 318.1° / SIH-XS-10**Conn.-Type:** 197-012P24-35SN (Plug)**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	022	R
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	033	R
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	021	R
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	032	R
-															
055	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	055	R
056	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	056	R
043	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	043	R
044	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	044	R
-															
111	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	111	1S R
112	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	112	1S R
120	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	120	1S R
128	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	128	1S R
121	SPIRE Spectr4%Temp (N) . SHD06		SCA.-	-	S242	041SS-38	6		CS-S242		HSSVMCB3	27	312300 J006	121	1S R
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	091	1S R
080	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	080	1S R
092	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	092	1S R
081	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	081	1S R
093	SPIRE Spectr2%Temp (N) . SHD07		SCA.-	-	S243	041SS-38	7		CS-S243		HSSVMCB3	27	312300 J006	093	1S R
-															
114	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	114	1S R
104	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	104	1S R
113	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	113	1S R
103	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	103	1S R
102	SPIRE SpStimFlanTemp(N) . SHD08		SCA.-	-	S244	041SS-38	8		CS-S244		HSSVMCB3	27	312300 J006	102	1S R
-															
035	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	035	R
024	SPIRE Spectr4%Heater (N) . I+B		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	024	R
034	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	034	R
023	SPIRE Spectr4%Heater (N) . I-B		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	023	R
-															

Pin Allocation List

(Harness)

Connector: 211121 P034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE Spectr2%Heater (N) . I+A		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	046	R
058	SPIRE Spectr2%Heater (N) . I+B		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	058	R
045	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	045	R
057	SPIRE Spectr2%Heater (N) . I-B		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	057	R
-															
089	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	089	1S R
088	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	088	1S R
100	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	100	1S R
099	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	099	1S R
101	SPIRE FilterTemp(N) . SHD09		STA.-	-	S253	041SS-38	9		CS-S253		HSSVMCB3	27	312300 J006	101	1S R
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	118	1S R
119	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	119	1S R
125	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	125	1S R
126	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	126	1S R
110	SPIRE SpectDetBoxTemp(N) . SHD10		STA.-	-	S254	041SS-38	10		CS-S254		HSSVMCB3	27	312300 J006	110	1S R
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	123	1S R
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	124	1S R
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	116	1S R
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	117	1S R
108	SPIRE PhotomDetBoxTmp(N) . SHD11		STA.-	-	S255	041SS-38	11		CS-S255		HSSVMCB3	27	312300 J006	108	1S R
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	106	1S R
115	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	115	1S R
107	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	107	1S R
122	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	122	1S R
105	SPIRE OptSubbenchTmp(N) . SHD12		STA.-	-	S256	041SS-38	12		CS-S256		HSSVMCB3	27	312300 J006	105	1S R
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	097	1S R
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	098	1S R
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	086	1S R
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	087	1S R
109	SPIRE FPUInpBaffleTmp(N) . SHD13		STA.-	-	S257	041SS-38	13		CS-S257		HSSVMCB3	27	312300 J006	109	1S R

Pin Allocation List (Harness)

Connector: 211121 P034

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	073	1S R
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	074	1S R
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	085	1S R
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	084	1S R
096	SPIRE BSM/SOB I/FTmp(N) . SHD14		STA.-	-	S258	041SS-38	14			CS-S258	HSSVMCB3	27	312300 J006	096	1S R
-															
079	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	079	1S R
078	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	078	1S R
068	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	068	1S R
067	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	067	1S R
090	SPIRE PTC Htr(N) . SHD15		STB.-	-	S259	041BS-30	15			CS-S259	HSSVMCB3	27	312300 J006	090	1S R
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
004	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
036	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
059	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															

Pin Allocation List (Harness)

Connector: 211121 P034
Item: CVVUCR

Function / Bundle: UFThr. 318.1° / SIH-XS-10

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	17 pins are NC									The following Pins are NC :					
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312300 J006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SorptPumpTemp(N) . I+	S3E.-	-		S234	041SS-38	1				CVWUCR	33	211121 P034	029	R
030	SPIRE SorptPumpTemp(N) . I-	S3E.-	-		S234	041SS-38	1				CVWUCR	33	211121 P034	030	R 1S
041	SPIRE SorptPumpTemp(N) . V+	S3E.-	-		S234	041SS-38	1				CVWUCR	33	211121 P034	041	R
042	SPIRE SorptPumpTemp(N) . V-	S3E.-	-		S234	041SS-38	1				CVWUCR	33	211121 P034	042	R
031	SPIRE SorptPumpTemp(N) . SHD01	S3E.-	-		S234	041SS-38	1			CS-S234	CVWUCR	33	211121 P034	031	R 1S
-															R
077	SPIRE EvaporatorTemp(N) . I+	S3E.-	-		S235	041SS-38	2				CVWUCR	33	211121 P034	077	R
076	SPIRE EvaporatorTemp(N) . I-	S3E.-	-		S235	041SS-38	2				CVWUCR	33	211121 P034	076	R 1S
066	SPIRE EvaporatorTemp(N) . V+	S3E.-	-		S235	041SS-38	2				CVWUCR	33	211121 P034	066	R
065	SPIRE EvaporatorTemp(N) . V-	S3E.-	-		S235	041SS-38	2				CVWUCR	33	211121 P034	065	R
054	SPIRE EvaporatorTemp(N) . SHD02	S3E.-	-		S235	041SS-38	2			CS-S235	CVWUCR	33	211121 P034	054	R 1S
-															R
053	SPIRE SorptPumpSwTemp(N) . I+	S3E.-	-		S236	041SS-38	3				CVWUCR	33	211121 P034	053	R
052	SPIRE SorptPumpSwTemp(N) . I-	S3E.-	-		S236	041SS-38	3				CVWUCR	33	211121 P034	052	R 1S
064	SPIRE SorptPumpSwTemp(N) . V+	S3E.-	-		S236	041SS-38	3				CVWUCR	33	211121 P034	064	R
063	SPIRE SorptPumpSwTemp(N) . V-	S3E.-	-		S236	041SS-38	3				CVWUCR	33	211121 P034	063	R
075	SPIRE SorptPumpSwTemp(N) . SHD03	S3E.-	-		S236	041SS-38	3			CS-S236	CVWUCR	33	211121 P034	075	R 1S
-															R
050	SPIRE EvaporSwTemp(N) . I+	S3E.-	-		S237	041SS-38	4				CVWUCR	33	211121 P034	050	R
061	SPIRE EvaporSwTemp(N) . I-	S3E.-	-		S237	041SS-38	4				CVWUCR	33	211121 P034	061	R 1S
062	SPIRE EvaporSwTemp(N) . V+	S3E.-	-		S237	041SS-38	4				CVWUCR	33	211121 P034	062	R
051	SPIRE EvaporSwTemp(N) . V-	S3E.-	-		S237	041SS-38	4				CVWUCR	33	211121 P034	051	R
039	SPIRE EvaporSwTemp(N) . SHD04	S3E.-	-		S237	041SS-38	4			CS-S237	CVWUCR	33	211121 P034	039	R 1S
-															R
011	SPIRE ThermShuntTemp(N) . I+A	S3E.-	-		S238	041SS-38	5				CVWUCR	33	211121 P034	011	R
010	SPIRE ThermShuntTemp(N) . I-B	S3E.-	-		S238	041SS-38	5				CVWUCR	33	211121 P034	010	R 1S
018	SPIRE ThermShuntTemp(N) . V-A	S3E.-	-		S238	041SS-38	5				CVWUCR	33	211121 P034	018	R 1S
019	SPIRE ThermShuntTemp(N) . V+B	S3E.-	-		S238	041SS-38	5				CVWUCR	33	211121 P034	019	R
020	SPIRE ThermShuntTemp(N) . SHD05	S3E.-	-		S238	041SS-38	5			CS-S238	CVWUCR	33	211121 P034	020	R 1S
-															R
006	SPIRE SorptPumpHtr(N) . I+A	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 P034	006	R
005	SPIRE SorptPumpHtr(N) . I-A	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 P034	005	R 1S
013	SPIRE SorptPumpHtr(N) . I+B	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 P034	013	R
012	SPIRE SorptPumpHtr(N) . I-B	S3F.-	-		S239	040B0-30					CVWUCR	33	211121 P034	012	R

Pin Allocation List

(Harness)

Connector: 312300 J006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															R
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	022	R
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	033	R
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	021	R
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	032	R
-															R
055	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	055	R
056	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	056	R
043	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	043	R
044	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	044	R
-															R
111	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	111	R 1S
112	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	112	R 1S
120	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	120	R 1S
128	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	128	R 1S
121	SPIRE Spectr4%Temp (N) . SHD06		SCA.-	-	S242	041SS-38	6		CS-S242		CVVUCR	33	211121 P034	121	R 1S
-															R
091	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	091	R 1S
080	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	080	R 1S
092	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	092	R 1S
081	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	081	R 1S
093	SPIRE Spectr2%Temp (N) . SHD07		SCA.-	-	S243	041SS-38	7		CS-S243		CVVUCR	33	211121 P034	093	R 1S
-															R
114	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	114	R 1S
104	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	104	R 1S
113	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	113	R 1S
103	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	103	R 1S
102	SPIRE SpStimFlanTemp(N) . SHD08		SCA.-	-	S244	041SS-38	8		CS-S244		CVVUCR	33	211121 P034	102	R 1S
-															R
035	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	035	R
024	SPIRE Spectr4%Heater (N) . I+B		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	024	R
034	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	034	R
023	SPIRE Spectr4%Heater (N) . I-B		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	023	R
-															R

Pin Allocation List

(Harness)

Connector: 312300 J006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE Spectr2%Heater (N) . I+A		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	046	R
058	SPIRE Spectr2%Heater (N) . I+B		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	058	R
045	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	045	R
057	SPIRE Spectr2%Heater (N) . I-B		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	057	R
-															R
089	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	089	R 1S
088	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	088	R 1S
100	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	100	R 1S
099	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	099	R 1S
101	SPIRE FilterTemp(N) . SHD09		STA.-	-	S253	041SS-38	9		CS-S253		CVVUCR	33	211121 P034	101	R 1S
-															R
118	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	118	R 1S
119	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	119	R 1S
125	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	125	R 1S
126	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	126	R 1S
110	SPIRE SpectDetBoxTemp(N) . SHD10		STA.-	-	S254	041SS-38	10		CS-S254		CVVUCR	33	211121 P034	110	R 1S
-															R
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	123	R 1S
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	124	R 1S
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	116	R 1S
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	117	R 1S
108	SPIRE PhotomDetBoxTmp(N) . SHD11		STA.-	-	S255	041SS-38	11		CS-S255		CVVUCR	33	211121 P034	108	R 1S
-															R
106	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	106	R 1S
115	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	115	R 1S
107	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	107	R 1S
122	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	122	R 1S
105	SPIRE OptSubbenchTmp(N) . SHD12		STA.-	-	S256	041SS-38	12		CS-S256		CVVUCR	33	211121 P034	105	R 1S
-															R
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	097	R 1S
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	098	R 1S
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	086	R 1S
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	087	R 1S
109	SPIRE FPUInpBaffleTmp(N) . SHD13		STA.-	-	S257	041SS-38	13		CS-S257		CVVUCR	33	211121 P034	109	R 1S

Pin Allocation List (Harness)

Connector: 312300 J006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															R
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	073	R 1S
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	074	R 1S
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	085	R 1S
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	084	R 1S
096	SPIRE BSM/SOB I/FTmp(N) . SHD14		STA.-	-	S258	041SS-38	14			CS-S258	CVWUCR	33	211121 P034	096	R 1S
-															R
079	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	079	R 1S
078	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	078	R 1S
068	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	068	R 1S
067	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	067	R 1S
090	SPIRE PTC Htr(N) . SHD15		STB.-	-	S259	041BS-30	15			CS-S259	CVWUCR	33	211121 P034	090	R 1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
004	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
036	to be con as part of FCR									Faraday Cage Ring (FCR)					R
047	to be con as part of FCR									Faraday Cage Ring (FCR)					R
059	to be con as part of FCR									Faraday Cage Ring (FCR)					R
070	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312300 J006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	17 pins are NC									The following Pins are NC :					1S
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(N) . 1		SBA.-	-	S041	021SS-38	1				HSSVMCB3	27	312300 J004	051	R
040	SPIRE ChopSensor1&2(N) . 2		SBA.-	-	S041	021SS-38	1				HSSVMCB3	27	312300 J004	040	R
039	SPIRE ChopSensor1&2(N) . SHD01		SBA.-	-	S041	021SS-38	1		CS-S041		HSSVMCB3	27	312300 J004	039	1S R
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	028	1S R
017	SPIRE ChopSensor3-5(N) . 4		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	017	1S R
016	SPIRE ChopSensor3-5(N) . 5		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	016	1S R
027	SPIRE ChopSensor3-5(N) . SHD02		SBB.-	-	S043	031BS-38	2		CS-S043		HSSVMCB3	27	312300 J004	027	1S R
-															
049	SPIRE JiggleSensor1&2(N) . 1		SBA.-	-	S045	021SS-38	3				HSSVMCB3	27	312300 J004	049	1S R
050	SPIRE JiggleSensor1&2(N) . 2		SBA.-	-	S045	021SS-38	3				HSSVMCB3	27	312300 J004	050	1S R
038	SPIRE JiggleSensor1&2(N) . SHD03		SBA.-	-	S045	021SS-38	3		CS-S045		HSSVMCB3	27	312300 J004	038	1S 1S
-															
015	SPIRE JiggleSensor3-5(N) . 3		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	015	R
025	SPIRE JiggleSensor3-5(N) . 4		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	025	R
037	SPIRE JiggleSensor3-5(N) . 5		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	037	R
026	SPIRE JiggleSensor3-5(N) . SHD04		SBB.-	-	S048	031BS-38	4		CS-S048		HSSVMCB3	27	312300 J004	026	1S R
-															
086	SPIRE BSMTemp(N) . I+		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	086	R
087	SPIRE BSMTemp(N) . I-		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	087	1S R
097	SPIRE BSMTemp(N) . V+		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	097	R
098	SPIRE BSMTemp(N) . V-		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	098	R
075	SPIRE BSMTemp(N) . SHD05		SBC.-	-	S103	041SS-38	5		CS-S103		HSSVMCB3	27	312300 J004	075	1S R
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	048	R
071	SPIRE P-Cal Htr(N) . I+B		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	071	R
060	SPIRE P-Cal Htr(N) . I-A		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	060	R
059	SPIRE P-Cal Htr(N) . I-B		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	059	R
036	SPIRE P-Cal Htr(N) . SHD06		SBD.-	-	S260	041BS-30	6		CS-S260		HSSVMCB3	27	312300 J004	036	1S R
-															
108	SPIRE BSMLchLtchConf(N) . 1		SBE.-	-	S261	021SS-38	7				HSSVMCB3	27	312300 J004	108	R
116	SPIRE BSMLchLtchConf(N) . 2		SBE.-	-	S261	021SS-38	7				HSSVMCB3	27	312300 J004	116	R
107	SPIRE BSMLchLtchConf(N) . SHD07		SBE.-	-	S261	021SS-38	7		CS-S261		HSSVMCB3	27	312300 J004	107	1S R
-															

Pin Allocation List

(Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	8				HSSVMCB3	27	312300 J004	105	R
115	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	8				HSSVMCB3	27	312300 J004	115	R
106	SPIRE BSMLatchDrive(N) . SHD08		SBF.-	-	S262	021BS-30	8		CS-S262		HSSVMCB3	27	312300 J004	106	1S R
-															
072	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	072	R
061	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	061	R
062	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	062	R
074	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	074	R
073	SPIRE ChopMotDrive(N) . SHD09		SBG.-	-	S263	041BS-30	9		CS-S263		HSSVMCB3	27	312300 J004	073	1S 1S
-															
083	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	083	R
095	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	095	R
096	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	096	R
085	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	085	R
084	SPIRE JiggleMotDrive(N) . SHD10		SBG.-	-	S264	041BS-30	10		CS-S264		HSSVMCB3	27	312300 J004	084	1S R
-															
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.-	-	S265	021BS-30	11				HSSVMCB3	27	312300 J004	117	1S R
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.-	-	S265	021BS-30	11				HSSVMCB3	27	312300 J004	118	1S R
109	SPIRE SMECLLtch#1Conf(N) . SHD11		SME.-	-	S265	021BS-30	11		CS-S265		HSSVMCB3	27	312300 J004	109	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.-	-	S266	021BS-30	12				HSSVMCB3	27	312300 J004	111	1S R
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.-	-	S266	021BS-30	12				HSSVMCB3	27	312300 J004	119	1S R
110	SPIRE SMECLLtch#2Conf(N) . SHD12		SME.-	-	S266	021BS-30	12		CS-S266		HSSVMCB3	27	312300 J004	110	1S R
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.-	-	S267	021BS-30	13				HSSVMCB3	27	312300 J004	067	1S R
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.-	-	S267	021BS-30	13				HSSVMCB3	27	312300 J004	066	1S R
078	SPIRE SMECLL#1Pwr1/A(N) . SHD13		SMF.-	-	S267	021BS-30	13		CS-S267		HSSVMCB3	27	312300 J004	078	1S R
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.-	-	S268	021BS-30	14				HSSVMCB3	27	312300 J004	069	1S R
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.-	-	S268	021BS-30	14				HSSVMCB3	27	312300 J004	068	1S R
080	SPIRE SMECLL#1Pwr2/B(N) . SHD14		SMF.-	-	S268	021BS-30	14		CS-S268		HSSVMCB3	27	312300 J004	080	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.-	-	S269	021BS-30	15				HSSVMCB3	27	312300 J004	090	1S R
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.-	-	S269	021BS-30	15				HSSVMCB3	27	312300 J004	091	1S R

Pin Allocation List (Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
079	SPIRE SMECLL#2Pwr1/A(N) . SHD15		SMF.-	-	S269	021BS-30	15			CS-S269	HSSVMCB3	27	312300 J004	079	1S	R
-																
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.-	-	S270	021BS-30	16				HSSVMCB3	27	312300 J004	092	1S	R
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.-	-	S270	021BS-30	16				HSSVMCB3	27	312300 J004	093	1S	R
081	SPIRE SMECLL#2Pwr2/B(N) . SHD16		SMF.-	-	S270	021BS-30	16			CS-S270	HSSVMCB3	27	312300 J004	081	1S	R
-																
088	SPIRE SMECTemp(N) . I+		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	088	1S	R
089	SPIRE SMECTemp(N) . I-		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	089	1S	R
099	SPIRE SMECTemp(N) . V+		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	099	1S	R
100	SPIRE SMECTemp(N) . V-		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	100	1S	R
077	SPIRE SMECTemp(N) . SHD17		SMC.-	-	S271	041SS-38	17			CS-S271	HSSVMCB3	27	312300 J004	077	1S	1S
-																
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	054	1S	R
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	053	1S	R
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	065	1S	R
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	064	1S	R
076	SPIRE SMEC/SOB I/FTmp(N) . SHD18		SMC.-	-	S272	041SS-38	18			CS-S272	HSSVMCB3	27	312300 J004	076	1S	R
-																
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30	19				HSSVMCB3	27	312300 J004	101	1S	R
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30	19				HSSVMCB3	27	312300 J004	102	1S	R
112	SPIRE SMECLVDTPriCIPw(N) . SHD19		SMA.-	-	S273	021BS-30	19			CS-S273	HSSVMCB3	27	312300 J004	112	1S	1S
-																
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30	20				HSSVMCB3	27	312300 J004	127	1S	R
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30	20				HSSVMCB3	27	312300 J004	120	1S	R
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD20		SMB.-	-	S274	021BS-30	20			CS-S274	HSSVMCB3	27	312300 J004	128	1S	R
-																
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30	21				HSSVMCB3	27	312300 J004	114	1S	R
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30	21				HSSVMCB3	27	312300 J004	113	1S	R
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD21		SMB.-	-	S275	021BS-30	21			CS-S275	HSSVMCB3	27	312300 J004	121	1S	R
-																
012	SPIRE SMEC Drv Coil (N) . I+		SMD.-	-	S276	021BS-30	22				HSSVMCB3	27	312300 J004	012		R
005	SPIRE SMEC Drv Coil (N) . I-		SMD.-	-	S276	021BS-30	22				HSSVMCB3	27	312300 J004	005		R
013	SPIRE SMEC Drv Coil (N) . SHD22		SMD.-	-	S276	021BS-30	22			CS-S276	HSSVMCB3	27	312300 J004	013	1S	R
-																

Pin Allocation List

(Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
022	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.-	-		S277	021BS-30	23				HSSVMCB3	27	312300 J004	022	R
007	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.-	-		S277	021BS-30	23				HSSVMCB3	27	312300 J004	007	R
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD23	SMD.-	-		S277	021BS-30	23		CS-S277		HSSVMCB3	27	312300 J004	013	1S R
-															
014	SPIRE SMEC Drv Sense (N) . Sen+	SMG.-	-		S278	021BS-38	24				HSSVMCB3	27	312300 J004	014	R
024	SPIRE SMEC Drv Sense (N) . Sen-	SMG.-	-		S278	021BS-38	24				HSSVMCB3	27	312300 J004	024	R
023	SPIRE SMEC Drv Sense (N) . SHD24	SMG.-	-		S278	021BS-38	24		CS-S278		HSSVMCB3	27	312300 J004	023	1S R
-															
009	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.-	-		S279	021BS-38	25				HSSVMCB3	27	312300 J004	009	R
002	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.-	-		S279	021BS-38	25				HSSVMCB3	27	312300 J004	002	R
003	SPIRE SMEC PosSeLEDpwr(N) . SHD25	SMH.-	-		S279	021BS-38	25		CS-S279		HSSVMCB3	27	312300 J004	003	1S R
-															
011	SPIRE SMEC PosSensPwr(N) . S	SMH.-	-		S280	021BS-38	26				HSSVMCB3	27	312300 J004	011	R
004	SPIRE SMEC PosSensPwr(N) . R	SMH.-	-		S280	021BS-38	26				HSSVMCB3	27	312300 J004	004	R
010	SPIRE SMEC PosSensPwr(N) . SHD26	SMH.-	-		S280	021BS-38	26		CS-S280		HSSVMCB3	27	312300 J004	010	1S R
-															
018	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.-	-		S281	021SS-38	27				HSSVMCB3	27	312300 J004	018	R
019	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.-	-		S281	021SS-38	27				HSSVMCB3	27	312300 J004	019	R
029	SPIRE SMEC PosPhDi#1(N) . SHD27	SMJ.-	-		S281	021SS-38	27		CS-S281		HSSVMCB3	27	312300 J004	029	1S R
-															
056	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.-	-		S282	021SS-38	28				HSSVMCB3	27	312300 J004	056	1S R
055	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.-	-		S282	021SS-38	28				HSSVMCB3	27	312300 J004	055	1S R
044	SPIRE SMEC PosPhDi#1FB(N) . SHD28	SMK.-	-		S282	021SS-38	28		CS-S282		HSSVMCB3	27	312300 J004	044	1S R
-															
042	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.-	-		S283	021SS-38	29				HSSVMCB3	27	312300 J004	042	1S R
041	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.-	-		S283	021SS-38	29				HSSVMCB3	27	312300 J004	041	1S R
030	SPIRE SMEC PosPhDi#2(N) . SHD29	SMJ.-	-		S283	021SS-38	29		CS-S283		HSSVMCB3	27	312300 J004	030	1S 1S
-															
034	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.-	-		S284	021SS-38	30				HSSVMCB3	27	312300 J004	034	1S R
033	SPIRE SMEC PosPhDi#2FB(N) . R	SMK.-	-		S284	021SS-38	30				HSSVMCB3	27	312300 J004	033	1S R
045	SPIRE SMEC PosPhDi#2FB(N) . SHD30	SMK.-	-		S284	021SS-38	30		CS-S284		HSSVMCB3	27	312300 J004	045	1S 1S
-															
020	SPIRE SMEC PosPhDi#3(N) . I+	SMJ.-	-		S285	021SS-38	31				HSSVMCB3	27	312300 J004	020	1S R
021	SPIRE SMEC PosPhDi#3(N) . I-	SMJ.-	-		S285	021SS-38	31				HSSVMCB3	27	312300 J004	021	1S R

Pin Allocation List (Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
031	SPIRE SMEC PosPhDi#3(N) . SHD31		SMJ.-	-	S285	021SS-38	31		CS-S285	HSSVMCB3	27	312300 J004	031	1S	R	
-																
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	32			HSSVMCB3	27	312300 J004	058		R	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	32			HSSVMCB3	27	312300 J004	057		R	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD32		SMK.-	-	S286	021SS-38	32		CS-S286	HSSVMCB3	27	312300 J004	046	1S	R	
-																
030	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
029	to be con to pin 030													1S		
031	to be con to pin 030													1S		
-														1S		
038	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
026	to be con to pin 038			-										1S		
027	to be con to pin 038			-										1S		
039	to be con to pin 038			-										1S		
-														1S		
045	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
044	to be con to pin 045													1S		
046	to be con to pin 045													1S		
-														1S		
073	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
084	to be con to pin 073													1S		
-														1S		
077	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
076	to be con to pin 077													1S		
-														1S		
080	Interconnection Star Pin								Star Pin for Shield Interconnection					1S		
078	to be con to pin 080													1S		
079	to be con to pin 080													1S		
081	to be con to pin 080													1S		

Pin Allocation List (Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
109	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
110	to be con to pin 109														1S
-															1S
112	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
128	to be con to pin 112														1S
121	to be con to pin 112														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
107	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
109	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
110	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P030
Item: CVVUCR

Function / Bundle: UFThr. 283.0° / SIH-XS-11

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(N) . 1		SBA.-	-	S041	021SS-38	1				CVVUCR	33	211121 P030	051	R
040	SPIRE ChopSensor1&2(N) . 2		SBA.-	-	S041	021SS-38	1				CVVUCR	33	211121 P030	040	R
039	SPIRE ChopSensor1&2(N) . SHD01		SBA.-	-	S041	021SS-38	1		CS-S041		CVVUCR	33	211121 P030	039	R 1S
-															R
028	SPIRE ChopSensor3-5(N) . 3		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	028	R 1S
017	SPIRE ChopSensor3-5(N) . 4		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	017	R 1S
016	SPIRE ChopSensor3-5(N) . 5		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	016	R 1S
027	SPIRE ChopSensor3-5(N) . SHD02		SBB.-	-	S043	031BS-38	2		CS-S043		CVVUCR	33	211121 P030	027	R 1S
-															R
049	SPIRE JiggleSensor1&2(N) . 1		SBA.-	-	S045	021SS-38	3				CVVUCR	33	211121 P030	049	R 1S
050	SPIRE JiggleSensor1&2(N) . 2		SBA.-	-	S045	021SS-38	3				CVVUCR	33	211121 P030	050	R 1S
038	SPIRE JiggleSensor1&2(N) . SHD03		SBA.-	-	S045	021SS-38	3		CS-S045		CVVUCR	33	211121 P030	038	1S 1S
-															R
015	SPIRE JiggleSensor3-5(N) . 3		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	015	R
025	SPIRE JiggleSensor3-5(N) . 4		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	025	R
037	SPIRE JiggleSensor3-5(N) . 5		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	037	R
026	SPIRE JiggleSensor3-5(N) . SHD04		SBB.-	-	S048	031BS-38	4		CS-S048		CVVUCR	33	211121 P030	026	R 1S
-															R
086	SPIRE BSMTemp(N) . I+		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	086	R
087	SPIRE BSMTemp(N) . I-		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	087	R 1S
097	SPIRE BSMTemp(N) . V+		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	097	R
098	SPIRE BSMTemp(N) . V-		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	098	R
075	SPIRE BSMTemp(N) . SHD05		SBC.-	-	S103	041SS-38	5		CS-S103		CVVUCR	33	211121 P030	075	R 1S
-															R
048	SPIRE P-Cal Htr(N) . I+A		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	048	R
071	SPIRE P-Cal Htr(N) . I+B		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	071	R
060	SPIRE P-Cal Htr(N) . I-A		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	060	R
059	SPIRE P-Cal Htr(N) . I-B		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	059	R
036	SPIRE P-Cal Htr(N) . SHD06		SBD.-	-	S260	041BS-30	6		CS-S260		CVVUCR	33	211121 P030	036	R 1S
-															R
108	SPIRE BSMLchLtchConf(N) . 1		SBE.-	-	S261	021SS-38	7				CVVUCR	33	211121 P030	108	R
116	SPIRE BSMLchLtchConf(N) . 2		SBE.-	-	S261	021SS-38	7				CVVUCR	33	211121 P030	116	R
107	SPIRE BSMLchLtchConf(N) . SHD07		SBE.-	-	S261	021SS-38	7		CS-S261		CVVUCR	33	211121 P030	107	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	8				CVVUCR	33	211121 P030	105	R
115	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	8				CVVUCR	33	211121 P030	115	R
106	SPIRE BSMLatchDrive(N) . SHD08		SBF.-	-	S262	021BS-30	8		CS-S262		CVVUCR	33	211121 P030	106	R 1S
-															R
072	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	072	R
061	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	061	R
062	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	062	R
074	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	074	R
073	SPIRE ChopMotDrive(N) . SHD09		SBG.-	-	S263	041BS-30	9		CS-S263		CVVUCR	33	211121 P030	073	1S 1S
-															R
083	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	083	R
095	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	095	R
096	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	096	R
085	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	085	R
084	SPIRE JiggleMotDrive(N) . SHD10		SBG.-	-	S264	041BS-30	10		CS-S264		CVVUCR	33	211121 P030	084	R 1S
-															R
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.-	-	S265	021BS-30	11				CVVUCR	33	211121 P030	117	R 1S
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.-	-	S265	021BS-30	11				CVVUCR	33	211121 P030	118	R 1S
109	SPIRE SMECLLtch#1Conf(N) . SHD11		SME.-	-	S265	021BS-30	11		CS-S265		CVVUCR	33	211121 P030	109	1S 1S
-															R
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.-	-	S266	021BS-30	12				CVVUCR	33	211121 P030	111	R 1S
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.-	-	S266	021BS-30	12				CVVUCR	33	211121 P030	119	R 1S
110	SPIRE SMECLLtch#2Conf(N) . SHD12		SME.-	-	S266	021BS-30	12		CS-S266		CVVUCR	33	211121 P030	110	R 1S
-															R
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.-	-	S267	021BS-30	13				CVVUCR	33	211121 P030	067	R 1S
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.-	-	S267	021BS-30	13				CVVUCR	33	211121 P030	066	R 1S
078	SPIRE SMECLL#1Pwr1/A(N) . SHD13		SMF.-	-	S267	021BS-30	13		CS-S267		CVVUCR	33	211121 P030	078	R 1S
-															R
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.-	-	S268	021BS-30	14				CVVUCR	33	211121 P030	069	R 1S
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.-	-	S268	021BS-30	14				CVVUCR	33	211121 P030	068	R 1S
080	SPIRE SMECLL#1Pwr2/B(N) . SHD14		SMF.-	-	S268	021BS-30	14		CS-S268		CVVUCR	33	211121 P030	080	1S 1S
-															R
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.-	-	S269	021BS-30	15				CVVUCR	33	211121 P030	090	R 1S
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.-	-	S269	021BS-30	15				CVVUCR	33	211121 P030	091	R 1S

Pin Allocation List (Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
079	SPIRE SMECLL#2Pwr1/A(N) . SHD15		SMF.-	-	S269	021BS-30	15			CS-S269	CVVUCR	33	211121 P030	079	R 1S
-															R
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.-	-	S270	021BS-30	16				CVVUCR	33	211121 P030	092	R 1S
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.-	-	S270	021BS-30	16				CVVUCR	33	211121 P030	093	R 1S
081	SPIRE SMECLL#2Pwr2/B(N) . SHD16		SMF.-	-	S270	021BS-30	16			CS-S270	CVVUCR	33	211121 P030	081	R 1S
-															R
088	SPIRE SMECTemp(N) . I+		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	088	R 1S
089	SPIRE SMECTemp(N) . I-		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	089	R 1S
099	SPIRE SMECTemp(N) . V+		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	099	R 1S
100	SPIRE SMECTemp(N) . V-		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	100	R 1S
077	SPIRE SMECTemp(N) . SHD17		SMC.-	-	S271	041SS-38	17			CS-S271	CVVUCR	33	211121 P030	077	1S 1S
-															R
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	054	R 1S
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	053	R 1S
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	065	R 1S
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	064	R 1S
076	SPIRE SMEC/SOB I/FTmp(N) . SHD18		SMC.-	-	S272	041SS-38	18			CS-S272	CVVUCR	33	211121 P030	076	R 1S
-															R
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30	19				CVVUCR	33	211121 P030	101	R 1S
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30	19				CVVUCR	33	211121 P030	102	R 1S
112	SPIRE SMECLVDTPriCIPw(N) . SHD19		SMA.-	-	S273	021BS-30	19			CS-S273	CVVUCR	33	211121 P030	112	1S 1S
-															R
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30	20				CVVUCR	33	211121 P030	127	R 1S
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30	20				CVVUCR	33	211121 P030	120	R 1S
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD20		SMB.-	-	S274	021BS-30	20			CS-S274	CVVUCR	33	211121 P030	128	R 1S
-															R
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30	21				CVVUCR	33	211121 P030	114	R 1S
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30	21				CVVUCR	33	211121 P030	113	R 1S
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD21		SMB.-	-	S275	021BS-30	21			CS-S275	CVVUCR	33	211121 P030	121	R 1S
-															R
012	SPIRE SMEC Drv Coil (N) . I+		SMD.-	-	S276	021BS-30	22				CVVUCR	33	211121 P030	012	R
005	SPIRE SMEC Drv Coil (N) . I-		SMD.-	-	S276	021BS-30	22				CVVUCR	33	211121 P030	005	R
013	SPIRE SMEC Drv Coil (N) . SHD22		SMD.-	-	S276	021BS-30	22			CS-S276	CVVUCR	33	211121 P030	013	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
022	SPIRE SMEC Drv Coil (Rob) (N) . I+		SMD.-	-	S277	021BS-30	23				CVVUCR	33	211121 P030	022	R
007	SPIRE SMEC Drv Coil (Rob) (N) . I-		SMD.-	-	S277	021BS-30	23				CVVUCR	33	211121 P030	007	R
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD23		SMD.-	-	S277	021BS-30	23		CS-S277		CVVUCR	33	211121 P030	013	R 1S
-															R
014	SPIRE SMEC Drv Sense (N) . Sen+		SMG.-	-	S278	021BS-38	24				CVVUCR	33	211121 P030	014	R
024	SPIRE SMEC Drv Sense (N) . Sen-		SMG.-	-	S278	021BS-38	24				CVVUCR	33	211121 P030	024	R
023	SPIRE SMEC Drv Sense (N) . SHD24		SMG.-	-	S278	021BS-38	24		CS-S278		CVVUCR	33	211121 P030	023	R 1S
-															R
009	SPIRE SMEC PosSeLEDpwr(N) . S		SMH.-	-	S279	021BS-38	25				CVVUCR	33	211121 P030	009	R
002	SPIRE SMEC PosSeLEDpwr(N) . R		SMH.-	-	S279	021BS-38	25				CVVUCR	33	211121 P030	002	R
003	SPIRE SMEC PosSeLEDpwr(N) . SHD25		SMH.-	-	S279	021BS-38	25		CS-S279		CVVUCR	33	211121 P030	003	R 1S
-															R
011	SPIRE SMEC PosSensPwr(N) . S		SMH.-	-	S280	021BS-38	26				CVVUCR	33	211121 P030	011	R
004	SPIRE SMEC PosSensPwr(N) . R		SMH.-	-	S280	021BS-38	26				CVVUCR	33	211121 P030	004	R
010	SPIRE SMEC PosSensPwr(N) . SHD26		SMH.-	-	S280	021BS-38	26		CS-S280		CVVUCR	33	211121 P030	010	R 1S
-															R
018	SPIRE SMEC PosPhDi#1(N) . I+		SMJ.-	-	S281	021SS-38	27				CVVUCR	33	211121 P030	018	R
019	SPIRE SMEC PosPhDi#1(N) . I-		SMJ.-	-	S281	021SS-38	27				CVVUCR	33	211121 P030	019	R
029	SPIRE SMEC PosPhDi#1(N) . SHD27		SMJ.-	-	S281	021SS-38	27		CS-S281		CVVUCR	33	211121 P030	029	R 1S
-															R
056	SPIRE SMEC PosPhDi#1FB(N) . S		SMK.-	-	S282	021SS-38	28				CVVUCR	33	211121 P030	056	R 1S
055	SPIRE SMEC PosPhDi#1FB(N) . R		SMK.-	-	S282	021SS-38	28				CVVUCR	33	211121 P030	055	R 1S
044	SPIRE SMEC PosPhDi#1FB(N) . SHD28		SMK.-	-	S282	021SS-38	28		CS-S282		CVVUCR	33	211121 P030	044	R 1S
-															R
042	SPIRE SMEC PosPhDi#2(N) . I+		SMJ.-	-	S283	021SS-38	29				CVVUCR	33	211121 P030	042	R 1S
041	SPIRE SMEC PosPhDi#2(N) . I-		SMJ.-	-	S283	021SS-38	29				CVVUCR	33	211121 P030	041	R 1S
030	SPIRE SMEC PosPhDi#2(N) . SHD29		SMJ.-	-	S283	021SS-38	29		CS-S283		CVVUCR	33	211121 P030	030	1S 1S
-															R
034	SPIRE SMEC PosPhDi#2FB(N) . S		SMK.-	-	S284	021SS-38	30				CVVUCR	33	211121 P030	034	R 1S
033	SPIRE SMEC PosPhDi#2FB(N) . R		SMK.-	-	S284	021SS-38	30				CVVUCR	33	211121 P030	033	R 1S
045	SPIRE SMEC PosPhDi#2FB(N) . SHD30		SMK.-	-	S284	021SS-38	30		CS-S284		CVVUCR	33	211121 P030	045	1S 1S
-															R
020	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.-	-	S285	021SS-38	31				CVVUCR	33	211121 P030	020	R 1S
021	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.-	-	S285	021SS-38	31				CVVUCR	33	211121 P030	021	R 1S

Pin Allocation List (Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	SPIRE SMEC PosPhDi#3(N) . SHD31		SMJ.-	-	S285	021SS-38	31			CS-S285	CVVUCR	33	211121 P030	031	R 1S
-															R
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	32				CVVUCR	33	211121 P030	058	R
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	32				CVVUCR	33	211121 P030	057	R
046	SPIRE SMEC PosPhDi#3FB(N) . SHD32		SMK.-	-	S286	021SS-38	32			CS-S286	CVVUCR	33	211121 P030	046	R 1S
-															R
030	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
029	to be con to pin 030														1S
031	to be con to pin 030														1S
-															1S
045	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
044	to be con to pin 045														1S
046	to be con to pin 045														1S
-															1S
038	interconnection Star Pin														1S
026	to be con to pin 038			-						shield interconnection					1S
027	to be con to pin 038			-											1S
039	to be con to pin 038			-											1S
-															1S
073	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
084	to be con to pin 073														1S
-															1S
077	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
076	to be con to pin 077														1S
-															1S
080	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
078	to be con to pin 080														1S
079	to be con to pin 080														1S
081	to be con to pin 080														1S
-															1S

Pin Allocation List (Harness)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
109	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
110	to be con to pin 109														1S
-															1S
112	interconnection Star Pin									Star Pin for Shield Inteconnection					1S
121	to be con to pin 112														1S
128	to be con to pin 112														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
006	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
035	to be con as part of FCR									Faraday Cage Ring (FCR)					R
047	to be con as part of FCR									Faraday Cage Ring (FCR)					R
070	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
104	to be con as part of FCR									Faraday Cage Ring (FCR)					R
107	to be con as part of FCR									Faraday Cage Ring (FCR)					R
109	to be con as part of FCR									Faraday Cage Ring (FCR)					R
110	to be con as part of FCR									Faraday Cage Ring (FCR)					R
122	to be con as part of FCR									Faraday Cage Ring (FCR)					R
123	to be con as part of FCR									Faraday Cage Ring (FCR)					R
124	to be con as part of FCR									Faraday Cage Ring (FCR)					R
125	to be con as part of FCR									Faraday Cage Ring (FCR)					R
126	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															1S
-	5 pins are NC									The following Pins are NC :					

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
Issue : 2.1 Date : 03.08.2006
Sheet : 386 (of 666)

Connector: 312300 J004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 387 (of 666)

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Pin Allocation List

(Harness)

Connector: 211121 P033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SorptPumpTemp(R) . I+	S3E.-	-		S287	041SS-38	1				HSSVMCB3	27	312300 J005	029	R
030	SPIRE SorptPumpTemp(R) . I-	S3E.-	-		S287	041SS-38	1				HSSVMCB3	27	312300 J005	030	1S R
041	SPIRE SorptPumpTemp(R) . V+	S3E.-	-		S287	041SS-38	1				HSSVMCB3	27	312300 J005	041	R
042	SPIRE SorptPumpTemp(R) . V-	S3E.-	-		S287	041SS-38	1				HSSVMCB3	27	312300 J005	042	R
031	SPIRE SorptPumpTemp(R) . SHD01	S3E.-	-		S287	041SS-38	1			CS-S287	HSSVMCB3	27	312300 J005	031	1S R
-															
077	SPIRE EvaporatorTemp(R) . I+	S3E.-	-		S288	041SS-38	2				HSSVMCB3	27	312300 J005	077	R
076	SPIRE EvaporatorTemp(R) . I-	S3E.-	-		S288	041SS-38	2				HSSVMCB3	27	312300 J005	076	1S R
066	SPIRE EvaporatorTemp(R) . V+	S3E.-	-		S288	041SS-38	2				HSSVMCB3	27	312300 J005	066	R
065	SPIRE EvaporatorTemp(R) . V-	S3E.-	-		S288	041SS-38	2				HSSVMCB3	27	312300 J005	065	R
054	SPIRE EvaporatorTemp(R) . SHD02	S3E.-	-		S288	041SS-38	2			CS-S288	HSSVMCB3	27	312300 J005	054	1S R
-															
053	SPIRE SorptPumpSwTemp(R) . I+	S3E.-	-		S289	041SS-38	3				HSSVMCB3	27	312300 J005	053	R
052	SPIRE SorptPumpSwTemp(R) . I-	S3E.-	-		S289	041SS-38	3				HSSVMCB3	27	312300 J005	052	1S R
064	SPIRE SorptPumpSwTemp(R) . V+	S3E.-	-		S289	041SS-38	3				HSSVMCB3	27	312300 J005	064	R
063	SPIRE SorptPumpSwTemp(R) . V-	S3E.-	-		S289	041SS-38	3				HSSVMCB3	27	312300 J005	063	R
075	SPIRE SorptPumpSwTemp(R) . SHD03	S3E.-	-		S289	041SS-38	3			CS-S289	HSSVMCB3	27	312300 J005	075	1S R
-															
050	SPIRE EvaporSwTemp(R) . I+	S3E.-	-		S290	041SS-38	4				HSSVMCB3	27	312300 J005	050	R
061	SPIRE EvaporSwTemp(R) . I-	S3E.-	-		S290	041SS-38	4				HSSVMCB3	27	312300 J005	061	1S R
062	SPIRE EvaporSwTemp(R) . V+	S3E.-	-		S290	041SS-38	4				HSSVMCB3	27	312300 J005	062	R
051	SPIRE EvaporSwTemp(R) . V-	S3E.-	-		S290	041SS-38	4				HSSVMCB3	27	312300 J005	051	R
039	SPIRE EvaporSwTemp(R) . SHD04	S3E.-	-		S290	041SS-38	4			CS-S290	HSSVMCB3	27	312300 J005	039	1S R
-															
011	SPIRE ThermShuntTemp(R) . I+A	S3E.-	-		S291	041SS-38	5				HSSVMCB3	27	312300 J005	011	R
010	SPIRE ThermShuntTemp(R) . I-B	S3E.-	-		S291	041SS-38	5				HSSVMCB3	27	312300 J005	010	1S R
019	SPIRE ThermShuntTemp(R) . V+B	S3E.-	-		S291	041SS-38	5				HSSVMCB3	27	312300 J005	019	R
018	SPIRE ThermShuntTemp(R) . V-A	S3E.-	-		S291	041SS-38	5				HSSVMCB3	27	312300 J005	018	R
020	SPIRE ThermShuntTemp(R) . SHD05	S3E.-	-		S291	041SS-38	5			CS-S291	HSSVMCB3	27	312300 J005	020	1S R
-															
006	SPIRE SorptPumpHtr(R) . I+A	S3F.-	-		S292	040B0-30					HSSVMCB3	27	312300 J005	006	R
005	SPIRE SorptPumpHtr(R) . I-A	S3F.-	-		S292	040B0-30					HSSVMCB3	27	312300 J005	005	1S R
013	SPIRE SorptPumpHtr(R) . I+B	S3F.-	-		S292	040B0-30					HSSVMCB3	27	312300 J005	013	R
012	SPIRE SorptPumpHtr(R) . I-B	S3F.-	-		S292	040B0-30					HSSVMCB3	27	312300 J005	012	1S R

Pin Allocation List

(Harness)

Connector: 211121 P033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	022	R
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	021	1S R
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	033	R
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	032	R
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	055	R
043	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	043	1S R
056	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	056	R
044	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	044	R
-															
111	SPIRE Spectr4%Temp (R) . I+		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	111	1S R
112	SPIRE Spectr4%Temp (R) . I-		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	112	1S R
120	SPIRE Spectr4%Temp (R) . V+		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	120	1S R
128	SPIRE Spectr4%Temp (R) . V-		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	128	1S R
121	SPIRE Spectr4%Temp (R) . SHD06		SCA.-	-	S295	041SS-38	6		CS-S295		HSSVMCB3	27	312300 J005	121	1S R
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	091	1S R
080	SPIRE Spectr2%Temp (R) . I-		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	080	1S R
092	SPIRE Spectr2%Temp (R) . V+		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	092	1S R
081	SPIRE Spectr2%Temp (R) . V-		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	081	1S R
093	SPIRE Spectr2%Temp (R) . SHD07		SCA.-	-	S296	041SS-38	7		CS-S296		HSSVMCB3	27	312300 J005	093	1S R
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	114	1S R
104	SPIRE SpStimFlanTemp(R) . I-		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	104	1S R
113	SPIRE SpStimFlanTemp(R) . V+		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	113	1S R
103	SPIRE SpStimFlanTemp(R) . V-		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	103	1S R
102	SPIRE SpStimFlanTemp(R) . SHD08		SCA.-	-	S297	041SS-38	8		CS-S297		HSSVMCB3	27	312300 J005	102	1S R
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	035	1S R
034	SPIRE Spectr4%Heater (R) . I-A		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	034	1S R
024	SPIRE Spectr4%Heater (R) . I+B		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	024	1S R
023	SPIRE Spectr4%Heater (R) . I-B		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	023	R
-															

Pin Allocation List

(Harness)

Connector: 211121 P033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
046	SPIRE Spectr2%Heater (R) . I+A		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	046	1S	R
045	SPIRE Spectr2%Heater (R) . I-A		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	045	1S	R
058	SPIRE Spectr2%Heater (R) . I+B		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	058		R
057	SPIRE Spectr2%Heater (R) . I-B		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	057		R
-																
089	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	089	1S	R
088	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	088	1S	R
100	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	100	1S	R
099	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	099	1S	R
101	SPIRE FilterTemp(R) . SHD09		STA.-	-	S306	041SS-38	9		CS-S306		HSSVMCB3	27	312300 J005	101	1S	R
-																
118	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	118	1S	R
119	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	119	1S	R
125	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	125	1S	R
126	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	126	1S	R
110	SPIRE SpectDetBoxTemp(R) . SHD10		STA.-	-	S307	041SS-38	10		CS-S307		HSSVMCB3	27	312300 J005	110	1S	R
-																
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	123	1S	R
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	124	1S	R
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	116	1S	R
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	117	1S	R
108	SPIRE PhotomDetBoxTmp(R) . SHD11		STA.-	-	S308	041SS-38	11		CS-S308		HSSVMCB3	27	312300 J005	108	1S	R
-																
106	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	106	1S	R
115	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	115	1S	R
107	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	107	1S	R
122	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	122	1S	R
105	SPIRE OptSubbenchTmp(R) . SHD12		STA.-	-	S309	041SS-38	12		CS-S309		HSSVMCB3	27	312300 J005	105	1S	R
-																
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	097	1S	R
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	098	1S	R
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	086	1S	R
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	087	1S	R
109	SPIRE FPUInpBaffleTmp(R) . SHD13		STA.-	-	S310	041SS-38	13		CS-S310		HSSVMCB3	27	312300 J005	109	1S	R

Pin Allocation List (Harness)

Connector: 211121 P033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
-																
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	073	1S	R
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	084	1S	R
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	074	1S	R
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	085	1S	R
096	SPIRE BSM/SOB I/FTmp(R) . SHD14		STA.-	-	S311	041SS-38	14		CS-S311		HSSVMCB3	27	312300 J005	096	1S	R
-																
079	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	079	1S	R
078	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	078	1S	R
068	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	068	1S	R
067	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	067	1S	R
090	SPIRE PTC Htr(R) . SHD15		STB.-	-	S312	041BS-30	15		CS-S312		HSSVMCB3	27	312300 J005	090	1S	R
-																
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
002	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
003	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
004	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
007	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
014	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
036	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
047	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
059	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
070	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	
-																
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S	
-																

Pin Allocation List (Harness)

Connector: 211121 P033
Item: CVVUCR

Function / Bundle: UFThr. 311.9° / SIH-XS-12

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	17 pins are NC									The following Pins are NC :					
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

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Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SorptPumpTemp(R) . I+	S3E.-	-		S287	041SS-38	1				CVWUCR	33	211121 P033	029	R
030	SPIRE SorptPumpTemp(R) . I-	S3E.-	-		S287	041SS-38	1				CVWUCR	33	211121 P033	030	R 1S
041	SPIRE SorptPumpTemp(R) . V+	S3E.-	-		S287	041SS-38	1				CVWUCR	33	211121 P033	041	R
042	SPIRE SorptPumpTemp(R) . V-	S3E.-	-		S287	041SS-38	1				CVWUCR	33	211121 P033	042	R
031	SPIRE SorptPumpTemp(R) . SHD01	S3E.-	-		S287	041SS-38	1			CS-S287	CVWUCR	33	211121 P033	031	R 1S
-															R
077	SPIRE EvaporatorTemp(R) . I+	S3E.-	-		S288	041SS-38	2				CVWUCR	33	211121 P033	077	R
076	SPIRE EvaporatorTemp(R) . I-	S3E.-	-		S288	041SS-38	2				CVWUCR	33	211121 P033	076	R 1S
066	SPIRE EvaporatorTemp(R) . V+	S3E.-	-		S288	041SS-38	2				CVWUCR	33	211121 P033	066	R
065	SPIRE EvaporatorTemp(R) . V-	S3E.-	-		S288	041SS-38	2				CVWUCR	33	211121 P033	065	R
054	SPIRE EvaporatorTemp(R) . SHD02	S3E.-	-		S288	041SS-38	2			CS-S288	CVWUCR	33	211121 P033	054	R 1S
-															R
053	SPIRE SorptPumpSwTemp(R) . I+	S3E.-	-		S289	041SS-38	3				CVWUCR	33	211121 P033	053	R
052	SPIRE SorptPumpSwTemp(R) . I-	S3E.-	-		S289	041SS-38	3				CVWUCR	33	211121 P033	052	R 1S
064	SPIRE SorptPumpSwTemp(R) . V+	S3E.-	-		S289	041SS-38	3				CVWUCR	33	211121 P033	064	R
063	SPIRE SorptPumpSwTemp(R) . V-	S3E.-	-		S289	041SS-38	3				CVWUCR	33	211121 P033	063	R
075	SPIRE SorptPumpSwTemp(R) . SHD03	S3E.-	-		S289	041SS-38	3			CS-S289	CVWUCR	33	211121 P033	075	R 1S
-															R
050	SPIRE EvaporSwTemp(R) . I+	S3E.-	-		S290	041SS-38	4				CVWUCR	33	211121 P033	050	R
061	SPIRE EvaporSwTemp(R) . I-	S3E.-	-		S290	041SS-38	4				CVWUCR	33	211121 P033	061	R 1S
062	SPIRE EvaporSwTemp(R) . V+	S3E.-	-		S290	041SS-38	4				CVWUCR	33	211121 P033	062	R
051	SPIRE EvaporSwTemp(R) . V-	S3E.-	-		S290	041SS-38	4				CVWUCR	33	211121 P033	051	R
039	SPIRE EvaporSwTemp(R) . SHD04	S3E.-	-		S290	041SS-38	4			CS-S290	CVWUCR	33	211121 P033	039	R 1S
-															R
011	SPIRE ThermShuntTemp(R) . I+A	S3E.-	-		S291	041SS-38	5				CVWUCR	33	211121 P033	011	R
010	SPIRE ThermShuntTemp(R) . I-B	S3E.-	-		S291	041SS-38	5				CVWUCR	33	211121 P033	010	R 1S
019	SPIRE ThermShuntTemp(R) . V+B	S3E.-	-		S291	041SS-38	5				CVWUCR	33	211121 P033	019	R
018	SPIRE ThermShuntTemp(R) . V-A	S3E.-	-		S291	041SS-38	5				CVWUCR	33	211121 P033	018	R
020	SPIRE ThermShuntTemp(R) . SHD05	S3E.-	-		S291	041SS-38	5			CS-S291	CVWUCR	33	211121 P033	020	R 1S
-															R
006	SPIRE SorptPumpHtr(R) . I+A	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 P033	006	R
005	SPIRE SorptPumpHtr(R) . I-A	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 P033	005	R 1S
013	SPIRE SorptPumpHtr(R) . I+B	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 P033	013	R
012	SPIRE SorptPumpHtr(R) . I-B	S3F.-	-		S292	040B0-30					CVWUCR	33	211121 P033	012	R 1S

Pin Allocation List

(Harness)

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															R
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	022	R
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	021	R 1S
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	033	R
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	032	R
-															R
055	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	055	R
043	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	043	R 1S
056	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	056	R
044	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	044	R
-															R
111	SPIRE Spectr4%Temp (R) . I+		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	111	R 1S
112	SPIRE Spectr4%Temp (R) . I-		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	112	R 1S
120	SPIRE Spectr4%Temp (R) . V+		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	120	R 1S
128	SPIRE Spectr4%Temp (R) . V-		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	128	R 1S
121	SPIRE Spectr4%Temp (R) . SHD06		SCA.-	-	S295	041SS-38	6		CS-S295		CVVUCR	33	211121 P033	121	R 1S
-															R
091	SPIRE Spectr2%Temp (R) . I+		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	091	R 1S
080	SPIRE Spectr2%Temp (R) . I-		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	080	R 1S
092	SPIRE Spectr2%Temp (R) . V+		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	092	R 1S
081	SPIRE Spectr2%Temp (R) . V-		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	081	R 1S
093	SPIRE Spectr2%Temp (R) . SHD07		SCA.-	-	S296	041SS-38	7		CS-S296		CVVUCR	33	211121 P033	093	R 1S
-															R
114	SPIRE SpStimFlanTemp(R) . I+		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	114	R 1S
104	SPIRE SpStimFlanTemp(R) . I-		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	104	R 1S
113	SPIRE SpStimFlanTemp(R) . V+		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	113	R 1S
103	SPIRE SpStimFlanTemp(R) . V-		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	103	R 1S
102	SPIRE SpStimFlanTemp(R) . SHD08		SCA.-	-	S297	041SS-38	8		CS-S297		CVVUCR	33	211121 P033	102	R 1S
-															R
035	SPIRE Spectr4%Heater (R) . I+A		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	035	R 1S
034	SPIRE Spectr4%Heater (R) . I-A		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	034	R 1S
024	SPIRE Spectr4%Heater (R) . I+B		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	024	R 1S
023	SPIRE Spectr4%Heater (R) . I-B		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	023	R
-															R

Pin Allocation List

(Harness)

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE Spectr2%Heater (R) . I+A		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	046	R 1S
045	SPIRE Spectr2%Heater (R) . I-A		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	045	R 1S
058	SPIRE Spectr2%Heater (R) . I+B		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	058	R
057	SPIRE Spectr2%Heater (R) . I-B		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	057	R
-															R
089	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	089	R 1S
088	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	088	R 1S
100	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	100	R 1S
099	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	099	R 1S
101	SPIRE FilterTemp(R) . SHD09		STA.-	-	S306	041SS-38	9		CS-S306		CVVUCR	33	211121 P033	101	R 1S
-															R
118	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	118	R 1S
119	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	119	R 1S
125	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	125	R 1S
126	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	126	R 1S
110	SPIRE SpectDetBoxTemp(R) . SHD10		STA.-	-	S307	041SS-38	10		CS-S307		CVVUCR	33	211121 P033	110	R 1S
-															R
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	123	R 1S
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	124	R 1S
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	116	R 1S
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	117	R 1S
108	SPIRE PhotomDetBoxTmp(R) . SHD11		STA.-	-	S308	041SS-38	11		CS-S308		CVVUCR	33	211121 P033	108	R 1S
-															R
106	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	106	R 1S
115	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	115	R 1S
107	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	107	R 1S
122	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	122	R 1S
105	SPIRE OptSubbenchTmp(R) . SHD12		STA.-	-	S309	041SS-38	12		CS-S309		CVVUCR	33	211121 P033	105	R 1S
-															R
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	097	R 1S
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	098	R 1S
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	086	R 1S
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	087	R 1S
109	SPIRE FPUInpBaffleTmp(R) . SHD13		STA.-	-	S310	041SS-38	13		CS-S310		CVVUCR	33	211121 P033	109	R 1S

Pin Allocation List (Harness)

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															R
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	073	R 1S
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	084	R 1S
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	074	R 1S
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	085	R 1S
096	SPIRE BSM/SOB I/FTmp(R) . SHD14		STA.-	-	S311	041SS-38	14			CS-S311	CVWUCR	33	211121 P033	096	R 1S
-															R
079	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	079	R 1S
078	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	078	R 1S
068	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	068	R 1S
067	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	067	R 1S
090	SPIRE PTC Htr(R) . SHD15		STB.-	-	S312	041BS-30	15			CS-S312	CVWUCR	33	211121 P033	090	R 1S
-															R
001	to be con as part of FCR									Faraday Cage Ring (FCR)					R
002	to be con as part of FCR									Faraday Cage Ring (FCR)					R
003	to be con as part of FCR									Faraday Cage Ring (FCR)					R
004	to be con as part of FCR									Faraday Cage Ring (FCR)					R
007	to be con as part of FCR									Faraday Cage Ring (FCR)					R
008	to be con as part of FCR									Faraday Cage Ring (FCR)					R
014	to be con as part of FCR									Faraday Cage Ring (FCR)					R
015	to be con as part of FCR									Faraday Cage Ring (FCR)					R
025	to be con as part of FCR									Faraday Cage Ring (FCR)					R
036	to be con as part of FCR									Faraday Cage Ring (FCR)					R
047	to be con as part of FCR									Faraday Cage Ring (FCR)					R
059	to be con as part of FCR									Faraday Cage Ring (FCR)					R
070	to be con as part of FCR									Faraday Cage Ring (FCR)					R
082	to be con as part of FCR									Faraday Cage Ring (FCR)					R
094	to be con as part of FCR									Faraday Cage Ring (FCR)					R
127	to be con as part of FCR									Faraday Cage Ring (FCR)					R
-															R
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					R
-															R

Pin Allocation List (Harness)

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					R
-															
-	17 pins are NC									The following Pins are NC :					1S
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 211121 P029

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	1				HSSVMCB3	27	312300 J003	051	R
040	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	1				HSSVMCB3	27	312300 J003	040	R
039	SPIRE ChopSensor1&2(R) . SHD01		SBA.-	-	S313	021SS-38	1		CS-S313		HSSVMCB3	27	312300 J003	039	1S R
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	028	R
017	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	017	R
016	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	016	R
027	SPIRE ChopSensor3-5(R) . SHD02		SBB.-	-	S314	031BS-38	2		CS-S314		HSSVMCB3	27	312300 J003	027	1S R
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	3				HSSVMCB3	27	312300 J003	049	R
050	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	3				HSSVMCB3	27	312300 J003	050	R
038	SPIRE JiggleSensor1&2(R) . SHD03		SBA.-	-	S315	021SS-38	3		CS-S315		HSSVMCB3	27	312300 J003	038	1S 1S
-															
015	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	015	R
025	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	025	R
037	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	037	R
026	SPIRE JiggleSensor3-5(R) . SHD04		SBB.-	-	S316	031BS-38	4		CS-S316		HSSVMCB3	27	312300 J003	026	1S R
-															
086	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	086	R
087	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	087	1S R
097	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	097	R
098	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	098	R
075	SPIRE BSMTemp(R) . SHD05		SBC.-	-	S317	041SS-38	5		CS-S317		HSSVMCB3	27	312300 J003	075	1S R
-															
048	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	048	R
071	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	071	R
060	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	060	R
059	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	059	R
036	SPIRE P-Cal Htr (R) . SHD06		SBD.-	-	S318	041BS-30	6		CS-S318		HSSVMCB3	27	312300 J003	036	1S R
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	7				HSSVMCB3	27	312300 J003	108	R
116	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	7				HSSVMCB3	27	312300 J003	116	R
107	SPIRE BSMLchLtchConf(R) . SHD07		SBE.-	-	S319	021SS-38	7		CS-S319		HSSVMCB3	27	312300 J003	107	1S R
-															

Pin Allocation List

(Harness)

Connector: 211121 P029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	8				HSSVMCB3	27	312300 J003	105	R
115	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	8				HSSVMCB3	27	312300 J003	115	R
106	SPIRE BSMLatchDrive(R) . SHD08		SBF.-	-	S320	021BS-30	8		CS-S320		HSSVMCB3	27	312300 J003	106	1S R
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	072	R
061	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	061	R
062	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	062	R
074	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	074	R
073	SPIRE ChopMotDrive(R) . SHD09		SBG.-	-	S321	041BS-30	9		CS-S321		HSSVMCB3	27	312300 J003	073	1S 1S
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	083	R
095	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	095	R
096	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	096	R
085	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	085	R
084	SPIRE JiggleMotDrive(R) . SHD10		SBG.-	-	S322	041BS-30	10		CS-S322		HSSVMCB3	27	312300 J003	084	1S R
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	11				HSSVMCB3	27	312300 J003	117	R
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	11				HSSVMCB3	27	312300 J003	118	R
109	SPIRE SMECLLtch#1Conf(R) . SHD11		SME.-	-	S323	021BS-30	11		CS-S323		HSSVMCB3	27	312300 J003	109	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	12				HSSVMCB3	27	312300 J003	111	R
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	12				HSSVMCB3	27	312300 J003	119	R
110	SPIRE SMECLLtch#2Conf(R) . SHD12		SME.-	-	S324	021BS-30	12		CS-S324		HSSVMCB3	27	312300 J003	110	1S R
-															1S
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	13				HSSVMCB3	27	312300 J003	067	R
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	13				HSSVMCB3	27	312300 J003	066	R
078	SPIRE SMECLL#1Pwr1/A(R) . SHD13		SMF.-	-	S325	021BS-30	13		CS-S325		HSSVMCB3	27	312300 J003	078	1S R
-															
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	14				HSSVMCB3	27	312300 J003	069	R
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	14				HSSVMCB3	27	312300 J003	068	R
080	SPIRE SMECLL#1Pwr2/B(R) . SHD14		SMF.-	-	S326	021BS-30	14		CS-S326		HSSVMCB3	27	312300 J003	080	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	15				HSSVMCB3	27	312300 J003	090	R
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	15				HSSVMCB3	27	312300 J003	091	R

Pin Allocation List (Harness)

Connector: 211121 P029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed		
		Circuit	Signal	Pos.											1S	R	
079	SPIRE SMECLL#2Pwr1/A(R) . SHD15		SMF.-	-	S327	021BS-30	15			CS-S327	HSSVMCB3	27	312300 J003	079	1S	R	
-																1S	
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	16				HSSVMCB3	27	312300 J003	092		R	
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	16				HSSVMCB3	27	312300 J003	093		R	
081	SPIRE SMECLL#2Pwr2/B(R) . SHD16		SMF.-	-	S328	021BS-30	16			CS-S328	HSSVMCB3	27	312300 J003	081	1S	R	
-																	
088	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	088		R	
089	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	089	1S	R	
099	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	099		R	
100	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	100		R	
077	SPIRE SMECTemp(R) . SHD17		SMC.-	-	S329	041SS-38	17			CS-S329	HSSVMCB3	27	312300 J003	077	1S	1S	
-																	
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	054		R	
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	053	1S	R	
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	065		R	
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	064		R	
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD18		SMC.-	-	S330	041SS-38	18			CS-S330	HSSVMCB3	27	312300 J003	076	1S	R	
-																	
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	19				HSSVMCB3	27	312300 J003	101		R	
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	19				HSSVMCB3	27	312300 J003	102		R	
112	SPIRE SMECLVDTPriCIPw(R) . SHD19		SMA.-	-	S331	021BS-30	19			CS-S331	HSSVMCB3	27	312300 J003	112	1S	1S	
-																	
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	20				HSSVMCB3	27	312300 J003	127		R	
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	20				HSSVMCB3	27	312300 J003	120		R	
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD20		SMB.-	-	S332	021BS-30	20			CS-S332	HSSVMCB3	27	312300 J003	128	1S	R	
-																1S	
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	21				HSSVMCB3	27	312300 J003	114		R	
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	21				HSSVMCB3	27	312300 J003	113		R	
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD21		SMB.-	-	S333	021BS-30	21			CS-S333	HSSVMCB3	27	312300 J003	121	1S	R	
-																	
012	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	22				HSSVMCB3	27	312300 J003	012		R	
005	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	22				HSSVMCB3	27	312300 J003	005		R	
013	SPIRE SMEC Drv Coil (R) . SHD22		SMD.-	-	S334	021BS-30	22			CS-S334	HSSVMCB3	27	312300 J003	013	1S	R	
-																	

Pin Allocation List

(Harness)

Connector: 211121 P029

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
022	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.-	-	S335	021BS-30	23				HSSVMCB3	27	312300 J003	022	R
007	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.-	-	S335	021BS-30	23				HSSVMCB3	27	312300 J003	007	R
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD23		SMD.-	-	S335	021BS-30	23		CS-S335		HSSVMCB3	27	312300 J003	013	1S R
-															
014	SPIRE SMEC Drv Sense (R) . Sen+		SMG.-	-	S336	021BS-38	24				HSSVMCB3	27	312300 J003	014	R
024	SPIRE SMEC Drv Sense (R) . Sen-		SMG.-	-	S336	021BS-38	24				HSSVMCB3	27	312300 J003	024	R
023	SPIRE SMEC Drv Sense (R) . SHD24		SMG.-	-	S336	021BS-38	24		CS-S336		HSSVMCB3	27	312300 J003	023	1S R
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.-	-	S337	021BS-38	25				HSSVMCB3	27	312300 J003	009	R
002	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.-	-	S337	021BS-38	25				HSSVMCB3	27	312300 J003	002	R
003	SPIRE SMEC PosSeLEDpwr(R) . SHD25		SMH.-	-	S337	021BS-38	25		CS-S337		HSSVMCB3	27	312300 J003	003	1S R
-															
011	SPIRE SMEC PosSensPwr(R) . S		SMH.-	-	S338	021BS-38	26				HSSVMCB3	27	312300 J003	011	R
004	SPIRE SMEC PosSensPwr(R) . R		SMH.-	-	S338	021BS-38	26				HSSVMCB3	27	312300 J003	004	R
010	SPIRE SMEC PosSensPwr(R) . SHD26		SMH.-	-	S338	021BS-38	26		CS-S338		HSSVMCB3	27	312300 J003	010	1S R
-															
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.-	-	S339	021SS-38	27				HSSVMCB3	27	312300 J003	018	R
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.-	-	S339	021SS-38	27				HSSVMCB3	27	312300 J003	019	R
029	SPIRE SMEC PosPhDi#1(R) . SHD27		SMJ.-	-	S339	021SS-38	27		CS-S339		HSSVMCB3	27	312300 J003	029	1S R
-															1S
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.-	-	S340	021SS-38	28				HSSVMCB3	27	312300 J003	056	1S R
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.-	-	S340	021SS-38	28				HSSVMCB3	27	312300 J003	055	1S R
044	SPIRE SMEC PosPhDi#1FB(R) . SHD28		SMK.-	-	S340	021SS-38	28		CS-S340		HSSVMCB3	27	312300 J003	044	1S R
-															1S
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.-	-	S341	021SS-38	29				HSSVMCB3	27	312300 J003	042	1S R
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.-	-	S341	021SS-38	29				HSSVMCB3	27	312300 J003	041	1S R
030	SPIRE SMEC PosPhDi#2(R) . SHD29		SMJ.-	-	S341	021SS-38	29		CS-S341		HSSVMCB3	27	312300 J003	030	1S 1S
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.-	-	S342	021SS-38	30				HSSVMCB3	27	312300 J003	034	1S R
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.-	-	S342	021SS-38	30				HSSVMCB3	27	312300 J003	033	1S R
045	SPIRE SMEC PosPhDi#2FB(R) . SHD30		SMK.-	-	S342	021SS-38	30		CS-S342		HSSVMCB3	27	312300 J003	045	1S 1S
-															
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.-	-	S343	021SS-38	31				HSSVMCB3	27	312300 J003	020	1S R
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.-	-	S343	021SS-38	31				HSSVMCB3	27	312300 J003	021	1S R

Pin Allocation List (Harness)

Connector: 211121 P029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	R
031	SPIRE SMEC PosPhDi#3(R) . SHD31		SMJ.-	-	S343	021SS-38			31	CS-S343	HSSVMCB3	27	312300 J003	031	1S	R
-															1S	
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38			32		HSSVMCB3	27	312300 J003	058		R
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38			32		HSSVMCB3	27	312300 J003	057		R
046	SPIRE SMEC PosPhDi#3FB(R) . SHD32		SMK.-	-	S344	021SS-38			32	CS-S344	HSSVMCB3	27	312300 J003	046	1S	R
-																
030	Interconnection Star Pin									Star Pin for Shield interconnection					1S	
029	to be con to pin 030															1S
031	to be con to pin 030															1S
-																1S
038	Interconnection Star Pin									Star Pin for Shield interconnection						1S
026	to be con to pin 038															1S
027	to be con to pin 038			-												1S
039	to be con to pin 038			-												1S
-																1S
045	Interconnection Star Pin									Star Pin for Shield interconnection						1S
044	to be con to pin 045															1S
046	to be con to pin 045															1S
-																1S
073	Interconnection Star Pin									Star Pin for Shield interconnection						1S
084	to be con to pin 073															1S
-																1S
077	Interconnection Star Pin									Star Pin for Shield interconnection						1S
076	to be con to pin 077															1S
-																1S
080	Interconnection Star Pin									Star Pin for Shield interconnection						1S
078	to be con to pin 080															1S
079	to be con to pin 080															1S
081	to be con to pin 080															1S

Pin Allocation List (Harness)

Connector: 211121 P029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
109	Interconnection Star Pin									Star Pin for Shield interconnection					1S
110	to be con to pin 109														1S
-															1S
112	Interconnection Star Pin									Star Pin for Shield interconnection					1S
121	to be con to pin 112														1S
128	to be con to pin 112														1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
107	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
109	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
110	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															1S
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 211121 P029
Item: CVVUCR

Function / Bundle: UFThr 276.8° / SIH-XS-13

Conn.-Type: 197-012P24-35SN (Plug)
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
051	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	1				CVVUCR	33	211121 P029	051	R
040	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	1				CVVUCR	33	211121 P029	040	R
039	SPIRE ChopSensor1&2(R) . SHD01		SBA.-	-	S313	021SS-38	1			CS-S313	CVVUCR	33	211121 P029	039	R 1S
-															R
028	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	2				CVVUCR	33	211121 P029	028	R
017	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	2				CVVUCR	33	211121 P029	017	R
016	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	2				CVVUCR	33	211121 P029	016	R
027	SPIRE ChopSensor3-5(R) . SHD02		SBB.-	-	S314	031BS-38	2			CS-S314	CVVUCR	33	211121 P029	027	R 1S
-															R
049	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	3				CVVUCR	33	211121 P029	049	R
050	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	3				CVVUCR	33	211121 P029	050	R
038	SPIRE JiggleSensor1&2(R) . SHD03		SBA.-	-	S315	021SS-38	3			CS-S315	CVVUCR	33	211121 P029	038	1S 1S
-															R
015	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	4				CVVUCR	33	211121 P029	015	R
025	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	4				CVVUCR	33	211121 P029	025	R
037	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	4				CVVUCR	33	211121 P029	037	R
026	SPIRE JiggleSensor3-5(R) . SHD04		SBB.-	-	S316	031BS-38	4			CS-S316	CVVUCR	33	211121 P029	026	R 1S
-															R
086	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	5				CVVUCR	33	211121 P029	086	R
087	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	5				CVVUCR	33	211121 P029	087	R 1S
097	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	5				CVVUCR	33	211121 P029	097	R
098	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	5				CVVUCR	33	211121 P029	098	R
075	SPIRE BSMTemp(R) . SHD05		SBC.-	-	S317	041SS-38	5			CS-S317	CVVUCR	33	211121 P029	075	R 1S
-															R
048	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	6				CVVUCR	33	211121 P029	048	R
071	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	6				CVVUCR	33	211121 P029	071	R
060	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	6				CVVUCR	33	211121 P029	060	R
059	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	6				CVVUCR	33	211121 P029	059	R
036	SPIRE P-Cal Htr (R) . SHD06		SBD.-	-	S318	041BS-30	6			CS-S318	CVVUCR	33	211121 P029	036	R 1S
-															R
108	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	7				CVVUCR	33	211121 P029	108	R
116	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	7				CVVUCR	33	211121 P029	116	R
107	SPIRE BSMLchLtchConf(R) . SHD07		SBE.-	-	S319	021SS-38	7			CS-S319	CVVUCR	33	211121 P029	107	R 1S
-															R

Pin Allocation List (Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
105	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	8				CVVUCR	33	211121 P029	105	R
115	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	8				CVVUCR	33	211121 P029	115	R
106	SPIRE BSMLatchDrive(R) . SHD08		SBF.-	-	S320	021BS-30	8		CS-S320		CVVUCR	33	211121 P029	106	R 1S
-															R
072	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	072	R
061	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	061	R
062	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	062	R
074	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	074	R
073	SPIRE ChopMotDrive(R) . SHD09		SBG.-	-	S321	041BS-30	9		CS-S321		CVVUCR	33	211121 P029	073	1S 1S
-															R
083	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	083	R
095	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	095	R
096	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	096	R
085	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	085	R
084	SPIRE JiggleMotDrive(R) . SHD10		SBG.-	-	S322	041BS-30	10		CS-S322		CVVUCR	33	211121 P029	084	R 1S
-															R
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	11				CVVUCR	33	211121 P029	117	R
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	11				CVVUCR	33	211121 P029	118	R
109	SPIRE SMECLLtch#1Conf(R) . SHD11		SME.-	-	S323	021BS-30	11		CS-S323		CVVUCR	33	211121 P029	109	1S 1S
-															R
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	12				CVVUCR	33	211121 P029	111	R
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	12				CVVUCR	33	211121 P029	119	R
110	SPIRE SMECLLtch#2Conf(R) . SHD12		SME.-	-	S324	021BS-30	12		CS-S324		CVVUCR	33	211121 P029	110	R 1S
-															R
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	13				CVVUCR	33	211121 P029	067	R
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	13				CVVUCR	33	211121 P029	066	R
078	SPIRE SMECLL#1Pwr1/A(R) . SHD13		SMF.-	-	S325	021BS-30	13		CS-S325		CVVUCR	33	211121 P029	078	R 1S
-															R
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	14				CVVUCR	33	211121 P029	069	R
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	14				CVVUCR	33	211121 P029	068	R
080	SPIRE SMECLL#1Pwr2/B(R) . SHD14		SMF.-	-	S326	021BS-30	14		CS-S326		CVVUCR	33	211121 P029	080	1S 1S
-															R
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	15				CVVUCR	33	211121 P029	090	R
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	15				CVVUCR	33	211121 P029	091	R

Pin Allocation List

(Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
079	SPIRE SMECLL#2Pwr1/A(R) . SHD15		SMF.-	-	S327	021BS-30	15			CS-S327	CVVUCR	33	211121 P029	079	R 1S
-															R
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	16				CVVUCR	33	211121 P029	092	R
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	16				CVVUCR	33	211121 P029	093	R
081	SPIRE SMECLL#2Pwr2/B(R) . SHD16		SMF.-	-	S328	021BS-30	16			CS-S328	CVVUCR	33	211121 P029	081	R 1S
-															R
088	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	088	R
089	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	089	R 1S
099	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	099	R
100	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	100	R
077	SPIRE SMECTemp(R) . SHD17		SMC.-	-	S329	041SS-38	17			CS-S329	CVVUCR	33	211121 P029	077	1S 1S
-															R
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	054	R
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	053	R 1S
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	065	R
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	064	R
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD18		SMC.-	-	S330	041SS-38	18			CS-S330	CVVUCR	33	211121 P029	076	R 1S
-															R
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	19				CVVUCR	33	211121 P029	101	R
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	19				CVVUCR	33	211121 P029	102	R
112	SPIRE SMECLVDTPriCIPw(R) . SHD19		SMA.-	-	S331	021BS-30	19			CS-S331	CVVUCR	33	211121 P029	112	1S 1S
-															R
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	20				CVVUCR	33	211121 P029	127	R
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	20				CVVUCR	33	211121 P029	120	R
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD20		SMB.-	-	S332	021BS-30	20			CS-S332	CVVUCR	33	211121 P029	128	R 1S
-															R
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	21				CVVUCR	33	211121 P029	114	R
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	21				CVVUCR	33	211121 P029	113	R
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD21		SMB.-	-	S333	021BS-30	21			CS-S333	CVVUCR	33	211121 P029	121	R 1S
-															R
012	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	22				CVVUCR	33	211121 P029	012	R
005	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	22				CVVUCR	33	211121 P029	005	R
013	SPIRE SMEC Drv Coil (R) . SHD22		SMD.-	-	S334	021BS-30	22			CS-S334	CVVUCR	33	211121 P029	013	R 1S
-															R

Pin Allocation List

(Harness)

Connector: 312300 J003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** SCC340104401B032435PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
022	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.-	-	S335	021BS-30	23				CVVUCR	33	211121 P029	022	R
007	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.-	-	S335	021BS-30	23				CVVUCR	33	211121 P029	007	R
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD23		SMD.-	-	S335	021BS-30	23		CS-S335		CVVUCR	33	211121 P029	013	R 1S
-															R
014	SPIRE SMEC Drv Sense (R) . Sen+		SMG.-	-	S336	021BS-38	24				CVVUCR	33	211121 P029	014	R
024	SPIRE SMEC Drv Sense (R) . Sen-		SMG.-	-	S336	021BS-38	24				CVVUCR	33	211121 P029	024	R
023	SPIRE SMEC Drv Sense (R) . SHD24		SMG.-	-	S336	021BS-38	24		CS-S336		CVVUCR	33	211121 P029	023	R 1S
-															R
009	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.-	-	S337	021BS-38	25				CVVUCR	33	211121 P029	009	R
002	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.-	-	S337	021BS-38	25				CVVUCR	33	211121 P029	002	R
003	SPIRE SMEC PosSeLEDpwr(R) . SHD25		SMH.-	-	S337	021BS-38	25		CS-S337		CVVUCR	33	211121 P029	003	R 1S
-															R
011	SPIRE SMEC PosSensPwr(R) . S		SMH.-	-	S338	021BS-38	26				CVVUCR	33	211121 P029	011	R
004	SPIRE SMEC PosSensPwr(R) . R		SMH.-	-	S338	021BS-38	26				CVVUCR	33	211121 P029	004	R
010	SPIRE SMEC PosSensPwr(R) . SHD26		SMH.-	-	S338	021BS-38	26		CS-S338		CVVUCR	33	211121 P029	010	R 1S
-															R
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.-	-	S339	021SS-38	27				CVVUCR	33	211121 P029	018	R
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.-	-	S339	021SS-38	27				CVVUCR	33	211121 P029	019	R
029	SPIRE SMEC PosPhDi#1(R) . SHD27		SMJ.-	-	S339	021SS-38	27		CS-S339		CVVUCR	33	211121 P029	029	R 1S
-															R
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.-	-	S340	021SS-38	28				CVVUCR	33	211121 P029	056	R 1S
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.-	-	S340	021SS-38	28				CVVUCR	33	211121 P029	055	R 1S
044	SPIRE SMEC PosPhDi#1FB(R) . SHD28		SMK.-	-	S340	021SS-38	28		CS-S340		CVVUCR	33	211121 P029	044	R 1S
-															R
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.-	-	S341	021SS-38	29				CVVUCR	33	211121 P029	042	R 1S
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.-	-	S341	021SS-38	29				CVVUCR	33	211121 P029	041	R 1S
030	SPIRE SMEC PosPhDi#2(R) . SHD29		SMJ.-	-	S341	021SS-38	29		CS-S341		CVVUCR	33	211121 P029	030	1S 1S
-															R
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.-	-	S342	021SS-38	30				CVVUCR	33	211121 P029	034	R 1S
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.-	-	S342	021SS-38	30				CVVUCR	33	211121 P029	033	R 1S
045	SPIRE SMEC PosPhDi#2FB(R) . SHD30		SMK.-	-	S342	021SS-38	30		CS-S342		CVVUCR	33	211121 P029	045	1S 1S
-															R
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.-	-	S343	021SS-38	31				CVVUCR	33	211121 P029	020	R 1S
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.-	-	S343	021SS-38	31				CVVUCR	33	211121 P029	021	R 1S

Pin Allocation List (Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	SPIRE SMEC PosPhDi#3(R) . SHD31		SMJ.-	-	S343	021SS-38	31			CS-S343	CVVUCR	33	211121 P029	031	R 1S
-															R
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	32				CVVUCR	33	211121 P029	058	R
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	32				CVVUCR	33	211121 P029	057	R
046	SPIRE SMEC PosPhDi#3FB(R) . SHD32		SMK.-	-	S344	021SS-38	32			CS-S344	CVVUCR	33	211121 P029	046	R 1S
-															R
030	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
029	to be con to pin 030														1S
031	to be con to pin 030														1S
-															1S
038	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
039	to be con to pin 038			-											1S
027	to be con to pin 038			-											1S
026	to be con to pin 038														1S
-															1S
045	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
044	to be con to pin 045														1S
046	to be con to pin 045														1S
-															1S
073	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
084	to be con to pin 073														1S
-															1S
077	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
076	to be con to pin 077														1S
-															1S
080	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
078	to be con to pin 080														1S
079	to be con to pin 080														1S
081	to be con to pin 080														1S

Pin Allocation List (Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
109	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
110	to be con to pin 109														1S
-															1S
112	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
121	to be con to pin 112														1S
128	to be con to pin 112														1S
-															1S
001	to be con as part of FCR								Faraday Cage Ring (FCR)						R
006	to be con as part of FCR								Faraday Cage Ring (FCR)						R
008	to be con as part of FCR								Faraday Cage Ring (FCR)						R
035	to be con as part of FCR								Faraday Cage Ring (FCR)						R
047	to be con as part of FCR								Faraday Cage Ring (FCR)						R
070	to be con as part of FCR								Faraday Cage Ring (FCR)						R
082	to be con as part of FCR								Faraday Cage Ring (FCR)						R
094	to be con as part of FCR								Faraday Cage Ring (FCR)						R
104	to be con as part of FCR								Faraday Cage Ring (FCR)						R
107	to be con as part of FCR								Faraday Cage Ring (FCR)						R
109	to be con as part of FCR								Faraday Cage Ring (FCR)						R
110	to be con as part of FCR								Faraday Cage Ring (FCR)						R
122	to be con as part of FCR								Faraday Cage Ring (FCR)						R
123	to be con as part of FCR								Faraday Cage Ring (FCR)						R
124	to be con as part of FCR								Faraday Cage Ring (FCR)						R
125	to be con as part of FCR								Faraday Cage Ring (FCR)						R
126	to be con as part of FCR								Faraday Cage Ring (FCR)						R
-															R
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						R
-															R
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						R
-															1S

Pin Allocation List (Harness)

Connector: 312300 J003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B032435PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 415 (of 666)

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Pin Allocation List

(Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE SLW Ch01-04 . 1+		SSB.S -		S001	TS2CC-28	1	001-1		HSDCU	17	122300 P027	020	1S	1S
037	SPIRE SLW Ch01-04 . 1-		SSB.S -		S001	TS2CC-28	1	001-1		HSDCU	17	122300 P027	002	1S	1S
115	SPIRE SLW Ch01-04 . SHD01		SSB.S -		S001	TS2CC-28	1	001-1	CS-S001-1	HSDCU	17	122300 P027	001	1S	1S
-															
038	SPIRE SLW Ch01-04 . 2+		SSB.S -		S001	TS2CC-28	2	001-2		HSDCU	17	122300 P027	003	1S	1S
049	SPIRE SLW Ch01-04 . 2-		SSB.S -		S001	TS2CC-28	2	001-2		HSDCU	17	122300 P027	022	1S	1S
115	SPIRE SLW Ch01-04 . SHD02		SSB.S -		S001	TS2CC-28	2	001-2	CS-S001-2	HSDCU	17	122300 P027	021	1S	1S
-															
048	SPIRE SLW Ch01-04 . 3+		SSB.S -		S001	TS2CC-28	3	001-3		HSDCU	17	122300 P027	023	1S	1S
060	SPIRE SLW Ch01-04 . 3-		SSB.S -		S001	TS2CC-28	3	001-3		HSDCU	17	122300 P027	005	1S	1S
115	SPIRE SLW Ch01-04 . SHD03		SSB.S -		S001	TS2CC-28	3	001-3	CS-S001-3	HSDCU	17	122300 P027	004	1S	1S
-															
059	SPIRE SLW Ch01-04 . 4+		SSB.S -		S001	TS2CC-28	4	001-4		HSDCU	17	122300 P027	006	1S	1S
071	SPIRE SLW Ch01-04 . 4-		SSB.S -		S001	TS2CC-28	4	001-4		HSDCU	17	122300 P027	025	1S	1S
115	SPIRE SLW Ch01-04 . SHD04		SSB.S -		S001	TS2CC-28	4	001-4	CS-S001-4	HSDCU	17	122300 P027	024	1S	1S
-															
050	SPIRE SLW Ch05-08 . 5+		SSB.S -		S002	TS2CC-28	5	002-1		HSDCU	17	122300 P027	026	1S	1S
061	SPIRE SLW Ch05-08 . 5-		SSB.S -		S002	TS2CC-28	5	002-1		HSDCU	17	122300 P027	008	1S	1S
115	SPIRE SLW Ch05-08 . SHD05		SSB.S -		S002	TS2CC-28	5	002-1	CS-S002-1	HSDCU	17	122300 P027	007	1S	1S
-															
062	SPIRE SLW Ch05-08 . 6+		SSB.S -		S002	TS2CC-28	6	002-2		HSDCU	17	122300 P027	009	1S	1S
051	SPIRE SLW Ch05-08 . 6-		SSB.S -		S002	TS2CC-28	6	002-2		HSDCU	17	122300 P027	028	1S	1S
115	SPIRE SLW Ch05-08 . SHD06		SSB.S -		S002	TS2CC-28	6	002-2	CS-S002-2	HSDCU	17	122300 P027	027	1S	1S
-															
063	SPIRE SLW Ch05-08 . 7+		SSB.S -		S002	TS2CC-28	7	002-3		HSDCU	17	122300 P027	011	1S	1S
075	SPIRE SLW Ch05-08 . 7-		SSB.S -		S002	TS2CC-28	7	002-3		HSDCU	17	122300 P027	029	1S	1S
115	SPIRE SLW Ch05-08 . SHD07		SSB.S -		S002	TS2CC-28	7	002-3	CS-S002-3	HSDCU	17	122300 P027	030	1S	1S
-															
074	SPIRE SLW Ch05-08 . 8+		SSB.S -		S002	TS2CC-28	8	002-4		HSDCU	17	122300 P027	031	1S	1S
073	SPIRE SLW Ch05-08 . 8-		SSB.S -		S002	TS2CC-28	8	002-4		HSDCU	17	122300 P027	012	1S	1S
115	SPIRE SLW Ch05-08 . SHD08		SSB.S -		S002	TS2CC-28	8	002-4	CS-S002-4	HSDCU	17	122300 P027	013	1S	1S
-															
083	SPIRE SLW Ch09-12 . 9+		SSB.S -		S003	TS2CC-28	9	003-1		HSDCU	17	122300 P027	014	1S	1S
072	SPIRE SLW Ch09-12 . 9-		SSB.S -		S003	TS2CC-28	9	003-1		HSDCU	17	122300 P027	032	1S	1S

Pin Allocation List

(Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
115	SPIRE SLW Ch09-12 . SHD09		SSB.S -		S003	TS2CC-28	9	003-1	CS-S003-1	HSDCU	17	122300 P027	033	1S	1S	
-																
095	SPIRE SLW Ch09-12 . 10+		SSB.S -		S003	TS2CC-28	10	003-2		HSDCU	17	122300 P027	034	1S	1S	
084	SPIRE SLW Ch09-12 . 10-		SSB.S -		S003	TS2CC-28	10	003-2		HSDCU	17	122300 P027	015	1S	1S	
115	SPIRE SLW Ch09-12 . SHD10		SSB.S -		S003	TS2CC-28	10	003-2	CS-S003-2	HSDCU	17	122300 P027	016	1S	1S	
-																
096	SPIRE SLW Ch09-12 . 11+		SSB.S -		S003	TS2CC-28	11	003-3		HSDCU	17	122300 P027	017	1S	1S	
085	SPIRE SLW Ch09-12 . 11-		SSB.S -		S003	TS2CC-28	11	003-3		HSDCU	17	122300 P027	035	1S	1S	
115	SPIRE SLW Ch09-12 . SHD11		SSB.S -		S003	TS2CC-28	11	003-3	CS-S003-3	HSDCU	17	122300 P027	036	1S	1S	
-																
106	SPIRE SLW Ch09-12 . 12+		SSB.S -		S003	TS2CC-28	12	003-4		HSDCU	17	122300 P027	037	1S	1S	
107	SPIRE SLW Ch09-12 . 12-		SSB.S -		S003	TS2CC-28	12	003-4		HSDCU	17	122300 P027	018	1S	1S	
115	SPIRE SLW Ch09-12 . SHD12		SSB.S -		S003	TS2CC-28	12	003-4	CS-S003-4	HSDCU	17	122300 P027	019	1S	1S	
-																
122	SPIRE SLW GND Wire A2		SSX.S -		S402	T01C0-26				HSDCU	17	122300 P028	010	1S	1S	
-																
086	SPIRE SLW Ch13-16 . 13+		SSB.S -		S004	TS2CC-28	13	004-1		HSDCU	17	122300 P028	020	1S	1S	
087	SPIRE SLW Ch13-16 . 13-		SSB.S -		S004	TS2CC-28	13	004-1		HSDCU	17	122300 P028	002	1S	1S	
122	SPIRE SLW Ch13-16 . SHD13		SSB.S -		S004	TS2CC-28	13	004-1	CS-S004-1	HSDCU	17	122300 P028	001	1S	1S	
-																
097	SPIRE SLW Ch13-16 . 14+		SSB.S -		S004	TS2CC-28	14	004-2		HSDCU	17	122300 P028	003	1S	1S	
098	SPIRE SLW Ch13-16 . 14-		SSB.S -		S004	TS2CC-28	14	004-2		HSDCU	17	122300 P028	022	1S	1S	
122	SPIRE SLW Ch13-16 . SHD14		SSB.S -		S004	TS2CC-28	14	004-2	CS-S004-2	HSDCU	17	122300 P028	021	1S	1S	
-																
108	SPIRE SLW Ch13-16 . 15+		SSB.S -		S004	TS2CC-28	15	004-3		HSDCU	17	122300 P028	023	1S	1S	
109	SPIRE SLW Ch13-16 . 15-		SSB.S -		S004	TS2CC-28	15	004-3		HSDCU	17	122300 P028	005	1S	1S	
122	SPIRE SLW Ch13-16 . SHD15		SSB.S -		S004	TS2CC-28	15	004-3	CS-S004-3	HSDCU	17	122300 P028	004	1S	1S	
-																
116	SPIRE SLW Ch13-16 . 16+		SSB.S -		S004	TS2CC-28	16	004-4		HSDCU	17	122300 P028	006	1S	1S	
117	SPIRE SLW Ch13-16 . 16-		SSB.S -		S004	TS2CC-28	16	004-4		HSDCU	17	122300 P028	025	1S	1S	
122	SPIRE SLW Ch13-16 . SHD16		SSB.S -		S004	TS2CC-28	16	004-4	CS-S004-4	HSDCU	17	122300 P028	024	1S	1S	
-																
055	SPIRE SLW Ch17-20 . 17+		SSB.S -		S005	TS2CC-28	17	005-1		HSDCU	17	122300 P028	026	1S	1S	
066	SPIRE SLW Ch17-20 . 17-		SSB.S -		S005	TS2CC-28	17	005-1		HSDCU	17	122300 P028	008	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
122	SPIRE SLW Ch17-20 . SHD17		SSB.S -		S005	TS2CC-28	17	005-1	CS-S005-1	HSDCU	17	122300 P028	007	1S	1S	
-																
067	SPIRE SLW Ch17-20 . 18+		SSB.S -		S005	TS2CC-28	18	005-2		HSDCU	17	122300 P028	009	1S	1S	
078	SPIRE SLW Ch17-20 . 18-		SSB.S -		S005	TS2CC-28	18	005-2		HSDCU	17	122300 P028	028	1S	1S	
122	SPIRE SLW Ch17-20 . SHD18		SSB.S -		S005	TS2CC-28	18	005-2	CS-S005-2	HSDCU	17	122300 P028	027	1S	1S	
-																
076	SPIRE SLW Ch17-20 . 19+		SSB.S -		S005	TS2CC-28	19	005-3		HSDCU	17	122300 P028	011	1S	1S	
077	SPIRE SLW Ch17-20 . 19-		SSB.S -		S005	TS2CC-28	19	005-3		HSDCU	17	122300 P028	029	1S	1S	
122	SPIRE SLW Ch17-20 . SHD19		SSB.S -		S005	TS2CC-28	19	005-3	CS-S005-3	HSDCU	17	122300 P028	030	1S	1S	
-																
088	SPIRE SLW Ch17-20 . 20+		SSB.S -		S005	TS2CC-28	20	005-4		HSDCU	17	122300 P028	031	1S	1S	
089	SPIRE SLW Ch17-20 . 20-		SSB.S -		S005	TS2CC-28	20	005-4		HSDCU	17	122300 P028	012	1S	1S	
122	SPIRE SLW Ch17-20 . SHD20		SSB.S -		S005	TS2CC-28	20	005-4	CS-S005-4	HSDCU	17	122300 P028	013	1S	1S	
-																
099	SPIRE SLW Ch21-24 . 21+		SSB.S -		S006	TS2CC-28	21	006-1		HSDCU	17	122300 P028	014	1S	1S	
100	SPIRE SLW Ch21-24 . 21-		SSB.S -		S006	TS2CC-28	21	006-1		HSDCU	17	122300 P028	032	1S	1S	
122	SPIRE SLW Ch21-24 . SHD21		SSB.S -		S006	TS2CC-28	21	006-1	CS-S006-1	HSDCU	17	122300 P028	033	1S	1S	
-																
110	SPIRE SLW Ch21-24 . 22+		SSB.S -		S006	TS2CC-28	22	006-2		HSDCU	17	122300 P028	034	1S	1S	
111	SPIRE SLW Ch21-24 . 22-		SSB.S -		S006	TS2CC-28	22	006-2		HSDCU	17	122300 P028	015	1S	1S	
122	SPIRE SLW Ch21-24 . SHD22		SSB.S -		S006	TS2CC-28	22	006-2	CS-S006-2	HSDCU	17	122300 P028	016	1S	1S	
-																
118	SPIRE SLW Ch21-24 . 23+		SSB.S -		S006	TS2CC-28	23	006-3		HSDCU	17	122300 P028	017	1S	1S	
119	SPIRE SLW Ch21-24 . 23-		SSB.S -		S006	TS2CC-28	23	006-3		HSDCU	17	122300 P028	035	1S	1S	
122	SPIRE SLW Ch21-24 . SHD23		SSB.S -		S006	TS2CC-28	23	006-3	CS-S006-3	HSDCU	17	122300 P028	036	1S	1S	
-																
112	SPIRE SLW Ch21-24 . 24+		SSB.S -		S006	TS2CC-28	24	006-4		HSDCU	17	122300 P028	037	1S	1S	
120	SPIRE SLW Ch21-24 . 24-		SSB.S -		S006	TS2CC-28	24	006-4		HSDCU	17	122300 P028	018	1S	1S	
122	SPIRE SLW Ch21-24 . SHD24		SSB.S -		S006	TS2CC-28	24	006-4	CS-S006-4	HSDCU	17	122300 P028	019	1S	1S	
-																
007	SPIRE PTC TC Bias A . +ve		S3A.S -		S009	TS2CC-28	25			HSDCU	17	122300 P031	001	1S	1S	
014	SPIRE PTC TC Bias A . -ve		S3A.S -		S009	TS2CC-28	25			HSDCU	17	122300 P031	020	1S	1S	
046	SPIRE PTC TC Bias A . SHD25		S3A.S -		S009	TS2CC-28	25		CS-S009	HSDCU	17	122300 P031	002	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
046	SPIRE PTC GND WIRE A3 . GNDA3		SSX.S -		S403	T01C0-26					HSDCU	17	122300 P031	002	1S	1S
-																
024	SPIRE PTC JFETV Bias A . +ve		S3C.S -		S010	TS2CC-28	26				HSDCU	17	122300 P031	021	1S	1S
035	SPIRE PTC JFETV Bias A . -ve		S3C.S -		S010	TS2CC-28	26				HSDCU	17	122300 P031	003	1S	1S
046	SPIRE PTC JFETV Bias A . SHD26		S3C.S -		S010	TS2CC-28	26		CS-S010		HSDCU	17	122300 P031	002	1S	1S
-																
121	SPIRE SLW Bias A1 . +ve		SSD.S -		S025	TS2CC-28	27				HSDCU	17	122300 P031	022	1S	1S
114	SPIRE SLW Bias A1 . -ve		SSD.S -		S025	TS2CC-28	27				HSDCU	17	122300 P031	004	1S	1S
104	SPIRE SLW Bias A1 . SHD27		SSD.S -		S025	TS2CC-28	27		CS-S025		HSDCU	17	122300 P031	006	1S	1S
-																
102	SPIRE SLW Bias A2 . +ve		SSD.S -		S026	TS2CC-28	28				HSDCU	17	122300 P031	005	1S	1S
101	SPIRE SLW Bias A2 . -ve		SSD.S -		S026	TS2CC-28	28				HSDCU	17	122300 P031	024	1S	1S
104	SPIRE SLW Bias A2 . SHD28		SSD.S -		S026	TS2CC-28	28		CS-S026		HSDCU	17	122300 P031	023	1S	1S
-																
104	SPIRE SLW GND WIRE B3 . GNDB3		SSX.S -		S405	T01C0-26					HSDCU	17	122300 P031	006	1S	1S
-																
092	SPIRE SLW JFETV A1 . +ve		SSF.S -		S011	TS2CC-28	29				HSDCU	17	122300 P031	025	1S	1S
091	SPIRE SLW JFETV A1 . -ve		SSF.S -		S011	TS2CC-28	29				HSDCU	17	122300 P031	007	1S	1S
104	SPIRE SLW JFETV A1 . SHD29		SSF.S -		S011	TS2CC-28	29		CS-S011		HSDCU	17	122300 P031	006	1S	1S
-																
103	SPIRE SLW JFETV A2 . +ve		SSF.S -		S012	TS2CC-28	30				HSDCU	17	122300 P031	008	1S	1S
113	SPIRE SLW JFETV A2 . -ve		SSF.S -		S012	TS2CC-28	30				HSDCU	17	122300 P031	027	1S	1S
104	SPIRE SLW JFETV A2 . SHD30		SSF.S -		S012	TS2CC-28	30		CS-S012		HSDCU	17	122300 P031	026	1S	1S
-																
090	SPIRE SSW Bias A1 . +ve		SSC.S -		S029	TS2CC-28	31				HSDCU	17	122300 P031	028	1S	1S
079	SPIRE SSW Bias A1 . -ve		SSC.S -		S029	TS2CC-28	31				HSDCU	17	122300 P031	010	1S	1S
093	SPIRE SSW Bias A1 . SHD31		SSC.S -		S029	TS2CC-28	31		CS-S029		HSDCU	17	122300 P031	009	1S	1S
-																
068	SPIRE SSW JFETV A1 . +ve		SSE.S -		S016	TS2CC-28	32				HSDCU	17	122300 P031	011	1S	1S
057	SPIRE SSW JFETV A1 . -ve		SSE.S -		S016	TS2CC-28	32				HSDCU	17	122300 P031	030	1S	1S
093	SPIRE SSW JFETV A1 . SHD32		SSE.S -		S016	TS2CC-28	32		CS-S016		HSDCU	17	122300 P031	029	1S	1S
-																
093	SPIRE SSW GND Wire C3 . GNDC3		SSX.S -		S406	T01C0-26					HSDCU	17	122300 P031	012	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
069	SPIRE SSW Bias A2 . +ve		SSC.S -		S031	TS2CC-28	33				HSDCU	17	122300 P031	013	1S 1S
080	SPIRE SSW Bias A2 . -ve		SSC.S -		S031	TS2CC-28	33				HSDCU	17	122300 P031	032	1S 1S
093	SPIRE SSW Bias A2 . SHD33		SSC.S -		S031	TS2CC-28	33		CS-S031		HSDCU	17	122300 P031	031	1S 1S
-															
070	SPIRE SSW JFETV A2 . +ve		SSE.S -		S017	TS2CC-28	34				HSDCU	17	122300 P031	033	1S 1S
081	SPIRE SSW JFETV A2 . -ve		SSE.S -		S017	TS2CC-28	34				HSDCU	17	122300 P031	015	1S 1S
093	SPIRE SSW JFETV A2 . SHD34		SSE.S -		S017	TS2CC-28	34		CS-S017		HSDCU	17	122300 P031	014	1S 1S
-															
023	SPIRE SLW JFET Htr A . +ve		SSH.S -		S033	TS2CC-28	35				HSDCU	17	122300 P031	017	1S 1S
034	SPIRE SLW JFET Htr A . -ve		SSH.S -		S033	TS2CC-28	35				HSDCU	17	122300 P031	036	1S 1S
022	SPIRE SLW JFET Htr A . SHD35		SSH.S -		S033	TS2CC-28	35		CS-S033		HSDCU	17	122300 P031	CH	1S 1S
-															
033	SPIRE SSW JFET Htr A . +ve		SSG.S -		S034	TS2CC-28	36				HSDCU	17	122300 P031	037	1S 1S
045	SPIRE SSW JFET Htr A . -ve		SSG.S -		S034	TS2CC-28	36				HSDCU	17	122300 P031	019	1S 1S
022	SPIRE SSW JFET Htr A . SHD36		SSG.S -		S034	TS2CC-28	36		CS-S034		HSDCU	17	122300 P031	CH	1S 1S
-															
044	SPIRE PTC JFET Htr A . +ve		S3B.S -		S019	TS2CC-28	37				HSDCU	17	122300 P031	016	1S 1S
056	SPIRE PTC JFET Htr A . -ve		S3B.S -		S019	TS2CC-28	37				HSDCU	17	122300 P031	035	1S 1S
022	SPIRE PTC JFET Htr A . SHD37		S3B.S -		S019	TS2CC-28	37		CS-S019		HSDCU	17	122300 P031	CH	1S 1S
-															
001	SPIRE PTC TC Bias B . +ve		S3A.S -		S020	TS2CC-28	38				HSDCU	17	122300 P032	001	1S 1S
008	SPIRE PTC TC Bias B . -ve		S3A.S -		S020	TS2CC-28	38				HSDCU	17	122300 P032	020	1S 1S
004	SPIRE PTC TC Bias B . SHD38		S3A.S -		S020	TS2CC-28	38		CS-S020		HSDCU	17	122300 P032	002	1S 1S
-															
004	SPIRE PTC GND Wire A4 . GNDA4		SSX.S -		S404	T01C0-26					HSDCU	17	122300 P032	002	1S 1S
-															
003	SPIRE PTC JFETV Bias B . +ve		S3C.S -		S022	TS2CC-28	39				HSDCU	17	122300 P032	021	1S 1S
002	SPIRE PTC JFETV Bias B . -ve		S3C.S -		S022	TS2CC-28	39				HSDCU	17	122300 P032	003	1S 1S
004	SPIRE PTC JFETV Bias B . SHD39		S3C.S -		S022	TS2CC-28	39		CS-S022		HSDCU	17	122300 P032	002	1S 1S
-															
013	SPIRE SLW Bias B1 . +ve		SSD.S -		S038	TS2CC-28	40				HSDCU	17	122300 P032	022	1S 1S
012	SPIRE SLW Bias B1 . -ve		SSD.S -		S038	TS2CC-28	40				HSDCU	17	122300 P032	004	1S 1S
032	SPIRE SLW Bias B1 . SHD40		SSD.S -		S038	TS2CC-28	40		CS-S038		HSDCU	17	122300 P032	006	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
021	SPIRE SLW Bias B2 . +ve		SSD.S -		S039	TS2CC-28	41				HSDCU	17	122300 P032	005	1S 1S
020	SPIRE SLW Bias B2 . -ve		SSD.S -		S039	TS2CC-28	41				HSDCU	17	122300 P032	024	1S 1S
032	SPIRE SLW Bias B2 . SHD41		SSD.S -		S039	TS2CC-28	41		CS-S039		HSDCU	17	122300 P032	023	1S 1S
-															
032	SPIRE SLW GND Wire B4 . GNDB4		SSX.S -		S407	T01C0-26					HSDCU	17	122300 P032	006	1S 1S
-															
031	SPIRE SLW JFETV B1 . +ve		SSF.S -		S028	TS2CC-28	42				HSDCU	17	122300 P032	025	1S 1S
043	SPIRE SLW JFETV B1 . -ve		SSF.S -		S028	TS2CC-28	42				HSDCU	17	122300 P032	007	1S 1S
032	SPIRE SLW JFETV B1 . SHD42		SSF.S -		S028	TS2CC-28	42		CS-S028		HSDCU	17	122300 P032	006	1S 1S
-															
042	SPIRE SLW JFETV B2 . +ve		SSF.S -		S023	TS2CC-28	43				HSDCU	17	122300 P032	008	1S 1S
054	SPIRE SLW JFETV B2 . -ve		SSF.S -		S023	TS2CC-28	43				HSDCU	17	122300 P032	027	1S 1S
032	SPIRE SLW JFETV B2 . SHD43		SSF.S -		S023	TS2CC-28	43		CS-S023		HSDCU	17	122300 P032	026	1S 1S
-															
-															
010	SPIRE SSW Bias B1 . +ve		SSC.S -		S042	TS2CC-28	44				HSDCU	17	122300 P032	028	1S 1S
011	SPIRE SSW Bias B1 . -ve		SSC.S -		S042	TS2CC-28	44				HSDCU	17	122300 P032	010	1S 1S
040	SPIRE SSW Bias B1 . SHD44		SSC.S -		S042	TS2CC-28	44		CS-S042		HSDCU	17	122300 P032	009	1S 1S
-															
019	SPIRE SSW JFETV B1 . +ve		SSE.S -		S035	TS2CC-28	45				HSDCU	17	122300 P032	011	1S 1S
029	SPIRE SSW JFETV B1 . -ve		SSE.S -		S035	TS2CC-28	45				HSDCU	17	122300 P032	030	1S 1S
040	SPIRE SSW JFETV B1 . SHD45		SSE.S -		S035	TS2CC-28	45		CS-S035		HSDCU	17	122300 P032	029	1S 1S
-															
040	SPIRE SSW GND Wire C4 . GNDC4		SSX.S -		S408	T01C0-26					HSDCU	17	122300 P032	012	1S 1S
-															
041	SPIRE SSW Bias B2 . +ve		SSC.S -		S044	TS2CC-28	46				HSDCU	17	122300 P032	013	1S 1S
030	SPIRE SSW Bias B2 . -ve		SSC.S -		S044	TS2CC-28	46				HSDCU	17	122300 P032	032	1S 1S
040	SPIRE SSW Bias B2 . SHD46		SSC.S -		S044	TS2CC-28	46		CS-S044		HSDCU	17	122300 P032	031	1S 1S
-															
053	SPIRE SSW JFETV B2 . +ve		SSE.S -		S036	TS2CC-28	47				HSDCU	17	122300 P032	033	1S 1S
052	SPIRE SSW JFETV B2 . -ve		SSE.S -		S036	TS2CC-28	47				HSDCU	17	122300 P032	015	1S 1S
040	SPIRE SSW JFETV B2 . SHD47		SSE.S -		S036	TS2CC-28	47		CS-S036		HSDCU	17	122300 P032	014	1S 1S
-															
018	SPIRE SLW JFET Htr B . +ve		SSH.S -		S046	TS2CC-28	48				HSDCU	17	122300 P032	017	1S 1S

Pin Allocation List (Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
028	SPIRE SLW JFET Htr B . -ve		SSH.S -		S046	TS2CC-28	48				HSDCU	17	122300 P032	036	1S 1S
039	SPIRE SLW JFET Htr B . SHD48		SSH.S -		S046	TS2CC-28	48		CS-S046		HSDCU	17	122300 P032	CH	1S 1S
-															
009	SPIRE SSW JFET Htr B . +ve		SSG.S -		S047	TS2CC-28	49				HSDCU	17	122300 P032	037	1S 1S
017	SPIRE SSW JFET Htr B . -ve		SSG.S -		S047	TS2CC-28	49				HSDCU	17	122300 P032	019	1S 1S
039	SPIRE SSW JFET Htr B . SHD49		SSG.S -		S047	TS2CC-28	49		CS-S047		HSDCU	17	122300 P032	CH	1S 1S
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.S -		S040	TS2CC-28	50				HSDCU	17	122300 P032	016	1S 1S
027	SPIRE PTC JFET Htr B . -ve		S3B.S -		S040	TS2CC-28	50				HSDCU	17	122300 P032	035	1S 1S
039	SPIRE PTC JFET Htr B . SHD50		S3B.S -		S040	TS2CC-28	50		CS-S040		HSDCU	17	122300 P032	CH	1S 1S
-															
005	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
022	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
036	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
039	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
058	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
128	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
-															
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S
-															

Pin Allocation List (Harness)

Connector: 312200 P006
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-01

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 122300 P028
Item: HSDCU

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SLW Ch13-16 . 13+		SSB.S -		S004	TS2CC-28	13	004-1		HSSVMCB2	27	312200 P006	086	1S	1S
002	SPIRE SLW Ch13-16 . 13-		SSB.S -		S004	TS2CC-28	13	004-1		HSSVMCB2	27	312200 P006	087	1S	1S
001	SPIRE SLW Ch13-16 . SHD13		SSB.S -		S004	TS2CC-28	13	004-1	CS-S004-1	HSSVMCB2	27	312200 P006	122	1S	1S
-															
003	SPIRE SLW Ch13-16 . 14+		SSB.S -		S004	TS2CC-28	14	004-2		HSSVMCB2	27	312200 P006	097	1S	1S
022	SPIRE SLW Ch13-16 . 14-		SSB.S -		S004	TS2CC-28	14	004-2		HSSVMCB2	27	312200 P006	098	1S	1S
021	SPIRE SLW Ch13-16 . SHD14		SSB.S -		S004	TS2CC-28	14	004-2	CS-S004-2	HSSVMCB2	27	312200 P006	122	1S	1S
-															
023	SPIRE SLW Ch13-16 . 15+		SSB.S -		S004	TS2CC-28	15	004-3		HSSVMCB2	27	312200 P006	108	1S	1S
005	SPIRE SLW Ch13-16 . 15-		SSB.S -		S004	TS2CC-28	15	004-3		HSSVMCB2	27	312200 P006	109	1S	1S
004	SPIRE SLW Ch13-16 . SHD15		SSB.S -		S004	TS2CC-28	15	004-3	CS-S004-3	HSSVMCB2	27	312200 P006	122	1S	1S
-															
006	SPIRE SLW Ch13-16 . 16+		SSB.S -		S004	TS2CC-28	16	004-4		HSSVMCB2	27	312200 P006	116	1S	1S
025	SPIRE SLW Ch13-16 . 16-		SSB.S -		S004	TS2CC-28	16	004-4		HSSVMCB2	27	312200 P006	117	1S	1S
024	SPIRE SLW Ch13-16 . SHD16		SSB.S -		S004	TS2CC-28	16	004-4	CS-S004-4	HSSVMCB2	27	312200 P006	122	1S	1S
-															
026	SPIRE SLW Ch17-20 . 17+		SSB.S -		S005	TS2CC-28	17	005-1		HSSVMCB2	27	312200 P006	055	1S	1S
008	SPIRE SLW Ch17-20 . 17-		SSB.S -		S005	TS2CC-28	17	005-1		HSSVMCB2	27	312200 P006	066	1S	1S
007	SPIRE SLW Ch17-20 . SHD17		SSB.S -		S005	TS2CC-28	17	005-1	CS-S005-1	HSSVMCB2	27	312200 P006	122	1S	1S
-															
009	SPIRE SLW Ch17-20 . 18+		SSB.S -		S005	TS2CC-28	18	005-2		HSSVMCB2	27	312200 P006	067	1S	1S
028	SPIRE SLW Ch17-20 . 18-		SSB.S -		S005	TS2CC-28	18	005-2		HSSVMCB2	27	312200 P006	078	1S	1S
027	SPIRE SLW Ch17-20 . SHD18		SSB.S -		S005	TS2CC-28	18	005-2	CS-S005-2	HSSVMCB2	27	312200 P006	122	1S	1S
-															
011	SPIRE SLW Ch17-20 . 19+		SSB.S -		S005	TS2CC-28	19	005-3		HSSVMCB2	27	312200 P006	076	1S	1S
029	SPIRE SLW Ch17-20 . 19-		SSB.S -		S005	TS2CC-28	19	005-3		HSSVMCB2	27	312200 P006	077	1S	1S
030	SPIRE SLW Ch17-20 . SHD19		SSB.S -		S005	TS2CC-28	19	005-3	CS-S005-3	HSSVMCB2	27	312200 P006	122	1S	1S
-															
031	SPIRE SLW Ch17-20 . 20+		SSB.S -		S005	TS2CC-28	20	005-4		HSSVMCB2	27	312200 P006	088	1S	1S
012	SPIRE SLW Ch17-20 . 20-		SSB.S -		S005	TS2CC-28	20	005-4		HSSVMCB2	27	312200 P006	089	1S	1S
013	SPIRE SLW Ch17-20 . SHD20		SSB.S -		S005	TS2CC-28	20	005-4	CS-S005-4	HSSVMCB2	27	312200 P006	122	1S	1S
-															
014	SPIRE SLW Ch21-24 . 21+		SSB.S -		S006	TS2CC-28	21	006-1		HSSVMCB2	27	312200 P006	099	1S	1S
032	SPIRE SLW Ch21-24 . 21-		SSB.S -		S006	TS2CC-28	21	006-1		HSSVMCB2	27	312200 P006	100	1S	1S

Pin Allocation List (Harness)

Connector: 122300 P028
Item: HSDCU

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE SLW Ch21-24 . SHD21		SSB.S -		S006	TS2CC-28	21	006-1	CS-S006-1	HSSVMCB2	27	312200 P006	122	1S	1S	
-																
034	SPIRE SLW Ch21-24 . 22+		SSB.S -		S006	TS2CC-28	22	006-2		HSSVMCB2	27	312200 P006	110	1S	1S	
015	SPIRE SLW Ch21-24 . 22-		SSB.S -		S006	TS2CC-28	22	006-2		HSSVMCB2	27	312200 P006	111	1S	1S	
016	SPIRE SLW Ch21-24 . SHD22		SSB.S -		S006	TS2CC-28	22	006-2	CS-S006-2	HSSVMCB2	27	312200 P006	122	1S	1S	
-																
017	SPIRE SLW Ch21-24 . 23+		SSB.S -		S006	TS2CC-28	23	006-3		HSSVMCB2	27	312200 P006	118	1S	1S	
035	SPIRE SLW Ch21-24 . 23-		SSB.S -		S006	TS2CC-28	23	006-3		HSSVMCB2	27	312200 P006	119	1S	1S	
036	SPIRE SLW Ch21-24 . SHD23		SSB.S -		S006	TS2CC-28	23	006-3	CS-S006-3	HSSVMCB2	27	312200 P006	122	1S	1S	
-																
037	SPIRE SLW Ch21-24 . 24+		SSB.S -		S006	TS2CC-28	24	006-4		HSSVMCB2	27	312200 P006	112	1S	1S	
018	SPIRE SLW Ch21-24 . 24-		SSB.S -		S006	TS2CC-28	24	006-4		HSSVMCB2	27	312200 P006	120	1S	1S	
019	SPIRE SLW Ch21-24 . SHD24		SSB.S -		S006	TS2CC-28	24	006-4	CS-S006-4	HSSVMCB2	27	312200 P006	122	1S	1S	
-																
010	SPIRE SLW GND Wire A2		SSX.S -		S402	T01C0-26				HSSVMCB2	27	312200 P006	122	1S	1S	
-																
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S	
-																
CH	to be con to Outer Overall Shield								Insulation required between IOS and OOS						1S	

Pin Allocation List

(Harness)

Connector: 122300 P027
Item: HSDCU

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
020	SPIRE SLW Ch01-04 . 1+		SSB.S -		S001	TS2CC-28	1	001-1		HSSVMCB2	27	312200 P006	026	1S	1S	
002	SPIRE SLW Ch01-04 . 1-		SSB.S -		S001	TS2CC-28	1	001-1		HSSVMCB2	27	312200 P006	037	1S	1S	
001	SPIRE SLW Ch01-04 . SHD01		SSB.S -		S001	TS2CC-28	1	001-1	CS-S001-1	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
003	SPIRE SLW Ch01-04 . 2+		SSB.S -		S001	TS2CC-28	2	001-2		HSSVMCB2	27	312200 P006	038	1S	1S	
022	SPIRE SLW Ch01-04 . 2-		SSB.S -		S001	TS2CC-28	2	001-2		HSSVMCB2	27	312200 P006	049	1S	1S	
021	SPIRE SLW Ch01-04 . SHD02		SSB.S -		S001	TS2CC-28	2	001-2	CS-S001-2	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
023	SPIRE SLW Ch01-04 . 3+		SSB.S -		S001	TS2CC-28	3	001-3		HSSVMCB2	27	312200 P006	048	1S	1S	
005	SPIRE SLW Ch01-04 . 3-		SSB.S -		S001	TS2CC-28	3	001-3		HSSVMCB2	27	312200 P006	060	1S	1S	
004	SPIRE SLW Ch01-04 . SHD03		SSB.S -		S001	TS2CC-28	3	001-3	CS-S001-3	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
006	SPIRE SLW Ch01-04 . 4+		SSB.S -		S001	TS2CC-28	4	001-4		HSSVMCB2	27	312200 P006	059	1S	1S	
025	SPIRE SLW Ch01-04 . 4-		SSB.S -		S001	TS2CC-28	4	001-4		HSSVMCB2	27	312200 P006	071	1S	1S	
024	SPIRE SLW Ch01-04 . SHD04		SSB.S -		S001	TS2CC-28	4	001-4	CS-S001-4	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
026	SPIRE SLW Ch05-08 . 5+		SSB.S -		S002	TS2CC-28	5	002-1		HSSVMCB2	27	312200 P006	050	1S	1S	
008	SPIRE SLW Ch05-08 . 5-		SSB.S -		S002	TS2CC-28	5	002-1		HSSVMCB2	27	312200 P006	061	1S	1S	
007	SPIRE SLW Ch05-08 . SHD05		SSB.S -		S002	TS2CC-28	5	002-1	CS-S002-1	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
009	SPIRE SLW Ch05-08 . 6+		SSB.S -		S002	TS2CC-28	6	002-2		HSSVMCB2	27	312200 P006	062	1S	1S	
028	SPIRE SLW Ch05-08 . 6-		SSB.S -		S002	TS2CC-28	6	002-2		HSSVMCB2	27	312200 P006	051	1S	1S	
027	SPIRE SLW Ch05-08 . SHD06		SSB.S -		S002	TS2CC-28	6	002-2	CS-S002-2	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
011	SPIRE SLW Ch05-08 . 7+		SSB.S -		S002	TS2CC-28	7	002-3		HSSVMCB2	27	312200 P006	063	1S	1S	
029	SPIRE SLW Ch05-08 . 7-		SSB.S -		S002	TS2CC-28	7	002-3		HSSVMCB2	27	312200 P006	075	1S	1S	
030	SPIRE SLW Ch05-08 . SHD07		SSB.S -		S002	TS2CC-28	7	002-3	CS-S002-3	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
031	SPIRE SLW Ch05-08 . 8+		SSB.S -		S002	TS2CC-28	8	002-4		HSSVMCB2	27	312200 P006	074	1S	1S	
012	SPIRE SLW Ch05-08 . 8-		SSB.S -		S002	TS2CC-28	8	002-4		HSSVMCB2	27	312200 P006	073	1S	1S	
013	SPIRE SLW Ch05-08 . SHD08		SSB.S -		S002	TS2CC-28	8	002-4	CS-S002-4	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
014	SPIRE SLW Ch09-12 . 9+		SSB.S -		S003	TS2CC-28	9	003-1		HSSVMCB2	27	312200 P006	083	1S	1S	
032	SPIRE SLW Ch09-12 . 9-		SSB.S -		S003	TS2CC-28	9	003-1		HSSVMCB2	27	312200 P006	072	1S	1S	

Pin Allocation List (Harness)

Connector: 122300 P027
Item: HSDCU

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE SLW Ch09-12 . SHD09		SSB.S -		S003	TS2CC-28	9	003-1	CS-S003-1	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
034	SPIRE SLW Ch09-12 . 10+		SSB.S -		S003	TS2CC-28	10	003-2		HSSVMCB2	27	312200 P006	095	1S	1S	
015	SPIRE SLW Ch09-12 . 10-		SSB.S -		S003	TS2CC-28	10	003-2		HSSVMCB2	27	312200 P006	084	1S	1S	
016	SPIRE SLW Ch09-12 . SHD10		SSB.S -		S003	TS2CC-28	10	003-2	CS-S003-2	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
017	SPIRE SLW Ch09-12 . 11+		SSB.S -		S003	TS2CC-28	11	003-3		HSSVMCB2	27	312200 P006	096	1S	1S	
035	SPIRE SLW Ch09-12 . 11-		SSB.S -		S003	TS2CC-28	11	003-3		HSSVMCB2	27	312200 P006	085	1S	1S	
036	SPIRE SLW Ch09-12 . SHD11		SSB.S -		S003	TS2CC-28	11	003-3	CS-S003-3	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
037	SPIRE SLW Ch09-12 . 12+		SSB.S -		S003	TS2CC-28	12	003-4		HSSVMCB2	27	312200 P006	106	1S	1S	
018	SPIRE SLW Ch09-12 . 12-		SSB.S -		S003	TS2CC-28	12	003-4		HSSVMCB2	27	312200 P006	107	1S	1S	
019	SPIRE SLW Ch09-12 . SHD12		SSB.S -		S003	TS2CC-28	12	003-4	CS-S003-4	HSSVMCB2	27	312200 P006	115	1S	1S	
-																
-																
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S	
-																
CH	to be con to Outer Overall Shield								Insulation required between IOS and OOS						1S	
-																
-	1 pin is NC								The following Pin is NC :						1S	
-	-								;010							

Pin Allocation List

(Harness)

Connector: 122300 P031

Function / Bundle: DCU JFS SIH-XS-01

Conn.-Type: SCC340100201BDCMA37PNMBFO

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PTC TC Bias A . +ve		S3A.S -		S009	TS2CC-28	25				HSSVMCB2	27	312200 P006	007	1S	1S
020	SPIRE PTC TC Bias A . -ve		S3A.S -		S009	TS2CC-28	25				HSSVMCB2	27	312200 P006	014	1S	1S
002	SPIRE PTC TC Bias A . SHD25		S3A.S -		S009	TS2CC-28	25		CS-S009		HSSVMCB2	27	312200 P006	046	1S	1S
-																
021	SPIRE PTC JFETV Bias A . +ve		S3C.S -		S010	TS2CC-28	26				HSSVMCB2	27	312200 P006	024	1S	1S
003	SPIRE PTC JFETV Bias A . -ve		S3C.S -		S010	TS2CC-28	26				HSSVMCB2	27	312200 P006	035	1S	1S
002	SPIRE PTC JFETV Bias A . SHD26		S3C.S -		S010	TS2CC-28	26		CS-S010		HSSVMCB2	27	312200 P006	046	1S	1S
-																
002	SPIRE PTC GND WIRE A3 . GNDA3		SSX.S -		S403	T01C0-26					HSSVMCB2	27	312200 P006	046	1S	1S
-																1S
022	SPIRE SLW Bias A1 . +ve		SSD.S -		S025	TS2CC-28	27				HSSVMCB2	27	312200 P006	121	1S	1S
004	SPIRE SLW Bias A1 . -ve		SSD.S -		S025	TS2CC-28	27				HSSVMCB2	27	312200 P006	114	1S	1S
006	SPIRE SLW Bias A1 . SHD27		SSD.S -		S025	TS2CC-28	27		CS-S025		HSSVMCB2	27	312200 P006	104	1S	1S
-																
005	SPIRE SLW Bias A2 . +ve		SSD.S -		S026	TS2CC-28	28				HSSVMCB2	27	312200 P006	102	1S	1S
024	SPIRE SLW Bias A2 . -ve		SSD.S -		S026	TS2CC-28	28				HSSVMCB2	27	312200 P006	101	1S	1S
023	SPIRE SLW Bias A2 . SHD28		SSD.S -		S026	TS2CC-28	28		CS-S026		HSSVMCB2	27	312200 P006	104	1S	1S
-																1S
025	SPIRE SLW JFETV A1 . +ve		SSF.S -		S011	TS2CC-28	29				HSSVMCB2	27	312200 P006	092	1S	1S
007	SPIRE SLW JFETV A1 . -ve		SSF.S -		S011	TS2CC-28	29				HSSVMCB2	27	312200 P006	091	1S	1S
006	SPIRE SLW JFETV A1 . SHD29		SSF.S -		S011	TS2CC-28	29		CS-S011		HSSVMCB2	27	312200 P006	104	1S	1S
-																
008	SPIRE SLW JFETV A2 . +ve		SSF.S -		S012	TS2CC-28	30				HSSVMCB2	27	312200 P006	103	1S	1S
027	SPIRE SLW JFETV A2 . -ve		SSF.S -		S012	TS2CC-28	30				HSSVMCB2	27	312200 P006	113	1S	1S
026	SPIRE SLW JFETV A2 . SHD30		SSF.S -		S012	TS2CC-28	30		CS-S012		HSSVMCB2	27	312200 P006	104	1S	1S
-																1S
006	SPIRE SLW GND WIRE B3 . GNDB3		SSX.S -		S405	T01C0-26					HSSVMCB2	27	312200 P006	104	1S	1S
-																
028	SPIRE SSW Bias A1 . +ve		SSC.S -		S029	TS2CC-28	31				HSSVMCB2	27	312200 P006	090	1S	1S
010	SPIRE SSW Bias A1 . -ve		SSC.S -		S029	TS2CC-28	31				HSSVMCB2	27	312200 P006	079	1S	1S
009	SPIRE SSW Bias A1 . SHD31		SSC.S -		S029	TS2CC-28	31		CS-S029		HSSVMCB2	27	312200 P006	093	1S	1S
-																1S
011	SPIRE SSW JFETV A1 . +ve		SSE.S -		S016	TS2CC-28	32				HSSVMCB2	27	312200 P006	068	1S	1S
030	SPIRE SSW JFETV A1 . -ve		SSE.S -		S016	TS2CC-28	32				HSSVMCB2	27	312200 P006	057	1S	1S

Pin Allocation List

(Harness)

Connector: 122300 P031

Function / Bundle: DCU JFS SIH-XS-01

Conn.-Type: SCC340100201BDCMA37PNMBFO

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SSW JFETV A1 . SHD32		SSE.S -		S016	TS2CC-28	32			CS-S016	HSSVMCB2	27	312200 P006	093	1S 1S
-															1S
013	SPIRE SSW Bias A2 . +ve		SSC.S -		S031	TS2CC-28	33				HSSVMCB2	27	312200 P006	069	1S 1S
032	SPIRE SSW Bias A2 . -ve		SSC.S -		S031	TS2CC-28	33				HSSVMCB2	27	312200 P006	080	1S 1S
031	SPIRE SSW Bias A2 . SHD33		SSC.S -		S031	TS2CC-28	33			CS-S031	HSSVMCB2	27	312200 P006	093	1S 1S
-															1S
033	SPIRE SSW JFETV A2 . +ve		SSE.S -		S017	TS2CC-28	34				HSSVMCB2	27	312200 P006	070	1S 1S
015	SPIRE SSW JFETV A2 . -ve		SSE.S -		S017	TS2CC-28	34				HSSVMCB2	27	312200 P006	081	1S 1S
014	SPIRE SSW JFETV A2 . SHD34		SSE.S -		S017	TS2CC-28	34			CS-S017	HSSVMCB2	27	312200 P006	093	1S 1S
-															
012	SPIRE SSW GND Wire C3 . GNDC3		SSX.S -		S406	T01C0-26					HSSVMCB2	27	312200 P006	093	1S 1S
-															1S
017	SPIRE SLW JFET Htr A . +ve		SSH.S -		S033	TS2CC-28	35				HSSVMCB2	27	312200 P006	023	1S 1S
036	SPIRE SLW JFET Htr A . -ve		SSH.S -		S033	TS2CC-28	35				HSSVMCB2	27	312200 P006	034	1S 1S
CH	SPIRE SLW JFET Htr A . SHD35		SSH.S -		S033	TS2CC-28	35			CS-S033	HSSVMCB2	27	312200 P006	022	1S 1S
-															1S
037	SPIRE SSW JFET Htr A . +ve		SSG.S -		S034	TS2CC-28	36				HSSVMCB2	27	312200 P006	033	1S 1S
019	SPIRE SSW JFET Htr A . -ve		SSG.S -		S034	TS2CC-28	36				HSSVMCB2	27	312200 P006	045	1S 1S
CH	SPIRE SSW JFET Htr A . SHD36		SSG.S -		S034	TS2CC-28	36			CS-S034	HSSVMCB2	27	312200 P006	022	1S 1S
-															1S
016	SPIRE PTC JFET Htr A . +ve		S3B.S -		S019	TS2CC-28	37				HSSVMCB2	27	312200 P006	044	1S 1S
035	SPIRE PTC JFET Htr A . -ve		S3B.S -		S019	TS2CC-28	37				HSSVMCB2	27	312200 P006	056	1S 1S
CH	SPIRE PTC JFET Htr A . SHD37		S3B.S -		S019	TS2CC-28	37			CS-S019	HSSVMCB2	27	312200 P006	022	1S 1S
-															
006	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
023	to be con to pin 006														1S
026	to be con to pin 006														1S
-															1S
012	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
009	to be con to pin 012														1S
014	to be con to pin 012														1S
029	to be con to pin 012														1S

Pin Allocation List (Harness)

Connector: 122300 P031
Item: HSDCU

Function / Bundle: DCU JFS SIH-XS-01

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	to be con to pin 012														1S
-															1S
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	2 pins are NC									The following Pins are NC :					1S
-	-									;018 ;034					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P032
Item: HSDCU

Function / Bundle: DCU JFS SIH-X1-01

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PTC TC Bias B . +ve	S3A.S	-		S020	TS2CC-28	38				HSSVMCB2	27	312200 P006	001	1S 1S
020	SPIRE PTC TC Bias B . -ve	S3A.S	-		S020	TS2CC-28	38				HSSVMCB2	27	312200 P006	008	1S 1S
002	SPIRE PTC TC Bias B . SHD38	S3A.S	-		S020	TS2CC-28	38		CS-S020		HSSVMCB2	27	312200 P006	004	1S 1S
-															
021	SPIRE PTC JFETV Bias B . +ve	S3C.S	-		S022	TS2CC-28	39				HSSVMCB2	27	312200 P006	003	1S 1S
003	SPIRE PTC JFETV Bias B . -ve	S3C.S	-		S022	TS2CC-28	39				HSSVMCB2	27	312200 P006	002	1S 1S
002	SPIRE PTC JFETV Bias B . SHD39	S3C.S	-		S022	TS2CC-28	39		CS-S022		HSSVMCB2	27	312200 P006	004	1S 1S
-															
002	SPIRE PTC GND Wire A4 . GNDA4	SSX.S	-		S404	T01C0-26					HSSVMCB2	27	312200 P006	004	1S 1S
-															
022	SPIRE SLW Bias B1 . +ve	SSD.S	-		S038	TS2CC-28	40				HSSVMCB2	27	312200 P006	013	1S 1S
004	SPIRE SLW Bias B1 . -ve	SSD.S	-		S038	TS2CC-28	40				HSSVMCB2	27	312200 P006	012	1S 1S
006	SPIRE SLW Bias B1 . SHD40	SSD.S	-		S038	TS2CC-28	40		CS-S038		HSSVMCB2	27	312200 P006	032	1S 1S
-															
005	SPIRE SLW Bias B2 . +ve	SSD.S	-		S039	TS2CC-28	41				HSSVMCB2	27	312200 P006	021	1S 1S
024	SPIRE SLW Bias B2 . -ve	SSD.S	-		S039	TS2CC-28	41				HSSVMCB2	27	312200 P006	020	1S 1S
023	SPIRE SLW Bias B2 . SHD41	SSD.S	-		S039	TS2CC-28	41		CS-S039		HSSVMCB2	27	312200 P006	032	1S 1S
-															
025	SPIRE SLW JFETV B1 . +ve	SSF.S	-		S028	TS2CC-28	42				HSSVMCB2	27	312200 P006	031	1S 1S
007	SPIRE SLW JFETV B1 . -ve	SSF.S	-		S028	TS2CC-28	42				HSSVMCB2	27	312200 P006	043	1S 1S
006	SPIRE SLW JFETV B1 . SHD42	SSF.S	-		S028	TS2CC-28	42		CS-S028		HSSVMCB2	27	312200 P006	032	1S 1S
-															
008	SPIRE SLW JFETV B2 . +ve	SSF.S	-		S023	TS2CC-28	43				HSSVMCB2	27	312200 P006	042	1S 1S
027	SPIRE SLW JFETV B2 . -ve	SSF.S	-		S023	TS2CC-28	43				HSSVMCB2	27	312200 P006	054	1S 1S
026	SPIRE SLW JFETV B2 . SHD43	SSF.S	-		S023	TS2CC-28	43		CS-S023		HSSVMCB2	27	312200 P006	032	1S 1S
-															1S
006	SPIRE SLW GND Wire B4 . GNDB4	SSX.S	-		S407	T01C0-26					HSSVMCB2	27	312200 P006	032	1S 1S
-															
028	SPIRE SSW Bias B1 . +ve	SSC.S	-		S042	TS2CC-28	44				HSSVMCB2	27	312200 P006	010	1S 1S
010	SPIRE SSW Bias B1 . -ve	SSC.S	-		S042	TS2CC-28	44				HSSVMCB2	27	312200 P006	011	1S 1S
009	SPIRE SSW Bias B1 . SHD44	SSC.S	-		S042	TS2CC-28	44		CS-S042		HSSVMCB2	27	312200 P006	040	1S 1S
-															1S
011	SPIRE SSW JFETV B1 . +ve	SSE.S	-		S035	TS2CC-28	45				HSSVMCB2	27	312200 P006	019	1S 1S
030	SPIRE SSW JFETV B1 . -ve	SSE.S	-		S035	TS2CC-28	45				HSSVMCB2	27	312200 P006	029	1S 1S

Pin Allocation List (Harness)

Connector: 122300 P032
Item: HSDCU

Function / Bundle: DCU JFS SIH-X1-01

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
029	SPIRE SSW JFETV B1 . SHD45		SSE.S -		S035	TS2CC-28	45			CS-S035	HSSVMCB2	27	312200 P006	040	1S 1S
-															1S
013	SPIRE SSW Bias B2 . +ve		SSC.S -		S044	TS2CC-28	46				HSSVMCB2	27	312200 P006	041	1S 1S
032	SPIRE SSW Bias B2 . -ve		SSC.S -		S044	TS2CC-28	46				HSSVMCB2	27	312200 P006	030	1S 1S
031	SPIRE SSW Bias B2 . SHD46		SSC.S -		S044	TS2CC-28	46			CS-S044	HSSVMCB2	27	312200 P006	040	1S 1S
-															1S
033	SPIRE SSW JFETV B2 . +ve		SSE.S -		S036	TS2CC-28	47				HSSVMCB2	27	312200 P006	053	1S 1S
015	SPIRE SSW JFETV B2 . -ve		SSE.S -		S036	TS2CC-28	47				HSSVMCB2	27	312200 P006	052	1S 1S
014	SPIRE SSW JFETV B2 . SHD47		SSE.S -		S036	TS2CC-28	47			Cable S036	HSSVMCB2	27	312200 P006	040	1S 1S
-															1S
012	SPIRE SSW GND Wire C4 . GNDC4		SSX.S -		S408	T01C0-26					HSSVMCB2	27	312200 P006	040	1S 1S
-															
017	SPIRE SLW JFET Htr B . +ve		SSH.S -		S046	TS2CC-28	48				HSSVMCB2	27	312200 P006	018	1S 1S
036	SPIRE SLW JFET Htr B . -ve		SSH.S -		S046	TS2CC-28	48				HSSVMCB2	27	312200 P006	028	1S 1S
CH	SPIRE SLW JFET Htr B . SHD48		SSH.S -		S046	TS2CC-28	48			CS-S045	HSSVMCB2	27	312200 P006	039	1S 1S
-															1S
037	SPIRE SSW JFET Htr B . +ve		SSG.S -		S047	TS2CC-28	49				HSSVMCB2	27	312200 P006	009	1S 1S
019	SPIRE SSW JFET Htr B . -ve		SSG.S -		S047	TS2CC-28	49				HSSVMCB2	27	312200 P006	017	1S 1S
CH	SPIRE SSW JFET Htr B . SHD49		SSG.S -		S047	TS2CC-28	49			CS-S042	HSSVMCB2	27	312200 P006	039	1S 1S
-															1S
016	SPIRE PTC JFET Htr B . +ve		S3B.S -		S040	TS2CC-28	50				HSSVMCB2	27	312200 P006	016	1S 1S
035	SPIRE PTC JFET Htr B . -ve		S3B.S -		S040	TS2CC-28	50				HSSVMCB2	27	312200 P006	027	1S 1S
CH	SPIRE PTC JFET Htr B . SHD50		S3B.S -		S040	TS2CC-28	50			CS-S040	HSSVMCB2	27	312200 P006	039	1S 1S
-															
006	Interconnection Star Pin									Star pin for Shield Interconnection					1S
023	to be con to pin 006														1S
026	to be con to pin 006														1S
-															1S
012	Interconnection Star Pin									Star pin for Shield Interconnection					1S
009	to be con to pin 012														1S
014	to be con to pin 012														1S
029	to be con to pin 012														1S

Pin Allocation List (Harness)

Connector: 122300 P032
Item: HSDCU

Function / Bundle: DCU JFS SIH-X1-01

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
031	to be con to pin 012														1S
-															1S
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					
-	-									;018 ;034					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
090	SPIRE SSW Ch01-04 . 1+		SSA.S -		S051	TS2CC-28	1	051-1		HSDCU	17	122300 P023	020	1S	1S
079	SPIRE SSW Ch01-04 . 1-		SSA.S -		S051	TS2CC-28	1	051-1		HSDCU	17	122300 P023	002	1S	1S
047	SPIRE SSW Ch01-04 . SHD01		SSA.S -		S051	TS2CC-28	1	051-1	CS-S051-1	HSDCU	17	122300 P023	001	1S	1S
-															
102	SPIRE SSW Ch01-04 . 2+		SSA.S -		S051	TS2CC-28	2	051-2		HSDCU	17	122300 P023	003	1S	1S
101	SPIRE SSW Ch01-04 . 2-		SSA.S -		S051	TS2CC-28	2	051-2		HSDCU	17	122300 P023	022	1S	1S
047	SPIRE SSW Ch01-04 . SHD02		SSA.S -		S051	TS2CC-28	2	051-2	CS-S051-2	HSDCU	17	122300 P023	021	1S	1S
-															
092	SPIRE SSW Ch01-04 . 3+		SSA.S -		S051	TS2CC-28	3	051-3		HSDCU	17	122300 P023	023	1S	1S
091	SPIRE SSW Ch01-04 . 3-		SSA.S -		S051	TS2CC-28	3	051-3		HSDCU	17	122300 P023	005	1S	1S
047	SPIRE SSW Ch01-04 . SHD03		SSA.S -		S051	TS2CC-28	3	051-3	CS-S051-3	HSDCU	17	122300 P023	004	1S	1S
-															
103	SPIRE SSW Ch01-04 . 4+		SSA.S -		S051	TS2CC-28	4	051-4		HSDCU	17	122300 P023	006	1S	1S
113	SPIRE SSW Ch01-04 . 4-		SSA.S -		S051	TS2CC-28	4	051-4		HSDCU	17	122300 P023	025	1S	1S
047	SPIRE SSW Ch01-04 . SHD04		SSA.S -		S051	TS2CC-28	4	051-4	CS-S051-4	HSDCU	17	122300 P023	024	1S	1S
-															
058	SPIRE SSW Ch05-08 . 5+		SSA.S -		S052	TS2CC-28	5	052-1		HSDCU	17	122300 P023	026	1S	1S
046	SPIRE SSW Ch05-08 . 5-		SSA.S -		S052	TS2CC-28	5	052-1		HSDCU	17	122300 P023	008	1S	1S
047	SPIRE SSW Ch05-08 . SHD05		SSA.S -		S052	TS2CC-28	5	052-1	CS-S052-1	HSDCU	17	122300 P023	007	1S	1S
-															
068	SPIRE SSW Ch05-08 . 6+		SSA.S -		S052	TS2CC-28	6	052-2		HSDCU	17	122300 P023	009	1S	1S
057	SPIRE SSW Ch05-08 . 6-		SSA.S -		S052	TS2CC-28	6	052-2		HSDCU	17	122300 P023	028	1S	1S
047	SPIRE SSW Ch05-08 . SHD06		SSA.S -		S052	TS2CC-28	6	052-2	CS-S052-2	HSDCU	17	122300 P023	027	1S	1S
-															
069	SPIRE SSW Ch05-08 . 7+		SSA.S -		S052	TS2CC-28	7	052-3		HSDCU	17	122300 P023	011	1S	1S
080	SPIRE SSW Ch05-08 . 7-		SSA.S -		S052	TS2CC-28	7	052-3		HSDCU	17	122300 P023	029	1S	1S
047	SPIRE SSW Ch05-08 . SHD07		SSA.S -		S052	TS2CC-28	7	052-3	CS-S052-3	HSDCU	17	122300 P023	030	1S	1S
-															
070	SPIRE SSW Ch05-08 . 8+		SSA.S -		S052	TS2CC-28	8	052-4		HSDCU	17	122300 P023	031	1S	1S
081	SPIRE SSW Ch05-08 . 8-		SSA.S -		S052	TS2CC-28	8	052-4		HSDCU	17	122300 P023	012	1S	1S
047	SPIRE SSW Ch05-08 . SHD08		SSA.S -		S052	TS2CC-28	8	052-4	CS-S052-4	HSDCU	17	122300 P023	013	1S	1S
-															
023	SPIRE SSW Ch09-12 . 9+		SSA.S -		S054	TS2CC-28	9	054-1		HSDCU	17	122300 P023	014	1S	1S
034	SPIRE SSW Ch09-12 . 9-		SSA.S -		S054	TS2CC-28	9	054-1		HSDCU	17	122300 P023	032	1S	1S

Pin Allocation List

(Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
047	SPIRE SSW Ch09-12 . SHD09		SSA.S -		S054	TS2CC-28	9	054-1	CS-S054-1	HSDCU	17	122300 P023	033	1S	1S	
-																
033	SPIRE SSW Ch09-12 . 10+		SSA.S -		S054	TS2CC-28	10	054-2		HSDCU	17	122300 P023	034	1S	1S	
045	SPIRE SSW Ch09-12 . 10-		SSA.S -		S054	TS2CC-28	10	054-2		HSDCU	17	122300 P023	015	1S	1S	
047	SPIRE SSW Ch09-12 . SHD10		SSA.S -		S054	TS2CC-28	10	054-2	CS-S054-2	HSDCU	17	122300 P023	016	1S	1S	
-																
044	SPIRE SSW Ch09-12 . 11+		SSA.S -		S054	TS2CC-28	11	054-3		HSDCU	17	122300 P023	017	1S	1S	
056	SPIRE SSW Ch09-12 . 11-		SSA.S -		S054	TS2CC-28	11	054-3		HSDCU	17	122300 P023	035	1S	1S	
047	SPIRE SSW Ch09-12 . SHD11		SSA.S -		S054	TS2CC-28	11	054-3	CS-S054-3	HSDCU	17	122300 P023	036	1S	1S	
-																
022	SPIRE SSW Ch09-12 . 12+		SSA.S -		S054	TS2CC-28	12	054-4		HSDCU	17	122300 P023	037	1S	1S	
032	SPIRE SSW Ch09-12 . 12-		SSA.S -		S054	TS2CC-28	12	054-4		HSDCU	17	122300 P023	018	1S	1S	
047	SPIRE SSW Ch09-12 . SHD12		SSA.S -		S054	TS2CC-28	12	054-4	CS-S054-4	HSDCU	17	122300 P023	019	1S	1S	
-																
086	SPIRE SSW Ch13-16 . 13+		SSA.S -		S055	TS2CC-28	13	055-1		HSDCU	17	122300 P024	020	1S	1S	
087	SPIRE SSW Ch13-16 . 13-		SSA.S -		S055	TS2CC-28	13	055-1		HSDCU	17	122300 P024	002	1S	1S	
128	SPIRE SSW Ch13-16 . SHD13		SSA.S -		S055	TS2CC-28	13	055-1	CS-S055-1	HSDCU	17	122300 P024	001	1S	1S	
-																
097	SPIRE SSW Ch13-16 . 14+		SSA.S -		S055	TS2CC-28	14	055-2		HSDCU	17	122300 P024	003	1S	1S	
098	SPIRE SSW Ch13-16 . 14-		SSA.S -		S055	TS2CC-28	14	055-2		HSDCU	17	122300 P024	022	1S	1S	
128	SPIRE SSW Ch13-16 . SHD14		SSA.S -		S055	TS2CC-28	14	055-2	CS-S055-2	HSDCU	17	122300 P024	021	1S	1S	
-																
108	SPIRE SSW Ch13-16 . 15+		SSA.S -		S055	TS2CC-28	15	055-3		HSDCU	17	122300 P024	023	1S	1S	
109	SPIRE SSW Ch13-16 . 15-		SSA.S -		S055	TS2CC-28	15	055-3		HSDCU	17	122300 P024	005	1S	1S	
128	SPIRE SSW Ch13-16 . SHD15		SSA.S -		S055	TS2CC-28	15	055-3	CS-S055-3	HSDCU	17	122300 P024	004	1S	1S	
-																
116	SPIRE SSW Ch13-16 . 16+		SSA.S -		S055	TS2CC-28	16	055-4		HSDCU	17	122300 P024	006	1S	1S	
117	SPIRE SSW Ch13-16 . 16-		SSA.S -		S055	TS2CC-28	16	055-4		HSDCU	17	122300 P024	025	1S	1S	
128	SPIRE SSW Ch13-16 . SHD16		SSA.S -		S055	TS2CC-28	16	055-4	CS-S055-4	HSDCU	17	122300 P024	024	1S	1S	
-																
055	SPIRE SSW Ch17-20 . 17+		SSA.S -		S056	TS2CC-28	17	056-1		HSDCU	17	122300 P024	026	1S	1S	
066	SPIRE SSW Ch17-20 . 17-		SSA.S -		S056	TS2CC-28	17	056-1		HSDCU	17	122300 P024	008	1S	1S	
128	SPIRE SSW Ch17-20 . SHD17		SSA.S -		S056	TS2CC-28	17	056-1	CS-S056-1	HSDCU	17	122300 P024	007	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
067	SPIRE SSW Ch17-20 . 18+		SSA.S -		S056	TS2CC-28	18	056-2			HSDCU	17	122300 P024	009	1S 1S
078	SPIRE SSW Ch17-20 . 18-		SSA.S -		S056	TS2CC-28	18	056-2			HSDCU	17	122300 P024	028	1S 1S
128	SPIRE SSW Ch17-20 . SHD18		SSA.S -		S056	TS2CC-28	18	056-2	CS-S056-2		HSDCU	17	122300 P024	027	1S 1S
-															
076	SPIRE SSW Ch17-20 . 19+		SSA.S -		S056	TS2CC-28	19	056-3			HSDCU	17	122300 P024	011	1S 1S
077	SPIRE SSW Ch17-20 . 19-		SSA.S -		S056	TS2CC-28	19	056-3			HSDCU	17	122300 P024	029	1S 1S
128	SPIRE SSW Ch17-20 . SHD19		SSA.S -		S056	TS2CC-28	19	056-3	CS-S056-3		HSDCU	17	122300 P024	030	1S 1S
-															
088	SPIRE SSW Ch17-20 . 20+		SSA.S -		S056	TS2CC-28	20	056-4			HSDCU	17	122300 P024	031	1S 1S
089	SPIRE SSW Ch17-20 . 20-		SSA.S -		S056	TS2CC-28	20	056-4			HSDCU	17	122300 P024	012	1S 1S
128	SPIRE SSW Ch17-20 . SHD20		SSA.S -		S056	TS2CC-28	20	056-4	CS-S056-4		HSDCU	17	122300 P024	013	1S 1S
-															
099	SPIRE SSW Ch21-24 . 21+		SSA.S -		S058	TS2CC-28	21	058-1			HSDCU	17	122300 P024	014	1S 1S
100	SPIRE SSW Ch21-24 . 21-		SSA.S -		S058	TS2CC-28	21	058-1			HSDCU	17	122300 P024	032	1S 1S
128	SPIRE SSW Ch21-24 . SHD21		SSA.S -		S058	TS2CC-28	21	058-1	CS-S058-1		HSDCU	17	122300 P024	033	1S 1S
-															
110	SPIRE SSW Ch21-24 . 22+		SSA.S -		S058	TS2CC-28	22	058-2			HSDCU	17	122300 P024	034	1S 1S
111	SPIRE SSW Ch21-24 . 22-		SSA.S -		S058	TS2CC-28	22	058-2			HSDCU	17	122300 P024	015	1S 1S
128	SPIRE SSW Ch21-24 . SHD22		SSA.S -		S058	TS2CC-28	22	058-2	CS-S058-2		HSDCU	17	122300 P024	016	1S 1S
-															
118	SPIRE SSW Ch21-24 . 23+		SSA.S -		S058	TS2CC-28	23	058-3			HSDCU	17	122300 P024	017	1S 1S
119	SPIRE SSW Ch21-24 . 23-		SSA.S -		S058	TS2CC-28	23	058-3			HSDCU	17	122300 P024	035	1S 1S
128	SPIRE SSW Ch21-24 . SHD23		SSA.S -		S058	TS2CC-28	23	058-3	CS-S058-3		HSDCU	17	122300 P024	036	1S 1S
-															
112	SPIRE SSW Ch21-24 . 24+		SSA.S -		S058	TS2CC-28	24	058-4			HSDCU	17	122300 P024	037	1S 1S
120	SPIRE SSW Ch21-24 . 24-		SSA.S -		S058	TS2CC-28	24	058-4			HSDCU	17	122300 P024	018	1S 1S
128	SPIRE SSW Ch21-24 . SHD24		SSA.S -		S058	TS2CC-28	24	058-4	CS-S058-4		HSDCU	17	122300 P024	019	1S 1S
-															
128	SPIRE B02 GND Wire A2		SSX.S -		S422	T01C0-26					HSDCU	17	122300 P024	010	1S 1S
-															
013	SPIRE SSW Ch25-28 . 25+		SSA.S -		S059	TS2CC-28	25	059-1			HSDCU	17	122300 P025	020	1S 1S
012	SPIRE SSW Ch25-28 . 25-		SSA.S -		S059	TS2CC-28	25	059-1			HSDCU	17	122300 P025	002	1S 1S
005	SPIRE SSW Ch25-28 . SHD25		SSA.S -		S059	TS2CC-28	25	059-1	CS-S059-1		HSDCU	17	122300 P025	001	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
021	SPIRE SSW Ch25-28 . 26+		SSA.S -		S059	TS2CC-28	26	059-2		HSDCU	17	122300 P025	003	1S	1S	
020	SPIRE SSW Ch25-28 . 26-		SSA.S -		S059	TS2CC-28	26	059-2		HSDCU	17	122300 P025	022	1S	1S	
005	SPIRE SSW Ch25-28 . SHD26		SSA.S -		S059	TS2CC-28	26	059-2	CS-S059-2	HSDCU	17	122300 P025	021	1S	1S	
-																
031	SPIRE SSW Ch25-28 . 27+		SSA.S -		S059	TS2CC-28	27	059-3		HSDCU	17	122300 P025	023	1S	1S	
043	SPIRE SSW Ch25-28 . 27-		SSA.S -		S059	TS2CC-28	27	059-3		HSDCU	17	122300 P025	005	1S	1S	
005	SPIRE SSW Ch25-28 . SHD27		SSA.S -		S059	TS2CC-28	27	059-3	CS-S059-3	HSDCU	17	122300 P025	004	1S	1S	
-																
042	SPIRE SSW Ch25-28 . 28+		SSA.S -		S059	TS2CC-28	28	059-4		HSDCU	17	122300 P025	006	1S	1S	
054	SPIRE SSW Ch25-28 . 28-		SSA.S -		S059	TS2CC-28	28	059-4		HSDCU	17	122300 P025	025	1S	1S	
005	SPIRE SSW Ch25-28 . SHD28		SSA.S -		S059	TS2CC-28	28	059-4	CS-S059-4	HSDCU	17	122300 P025	024	1S	1S	
-																
010	SPIRE SSW Ch29-32 . 29+		SSA.S -		S060	TS2CC-28	29	060-1		HSDCU	17	122300 P025	026	1S	1S	
011	SPIRE SSW Ch29-32 . 29-		SSA.S -		S060	TS2CC-28	29	060-1		HSDCU	17	122300 P025	008	1S	1S	
005	SPIRE SSW Ch29-32 . SHD29		SSA.S -		S060	TS2CC-28	29	060-1	CS-S060-1	HSDCU	17	122300 P025	007	1S	1S	
-																
019	SPIRE SSW Ch29-32 . 30+		SSA.S -		S060	TS2CC-28	30	060-2		HSDCU	17	122300 P025	009	1S	1S	
029	SPIRE SSW Ch29-32 . 30-		SSA.S -		S060	TS2CC-28	30	060-2		HSDCU	17	122300 P025	028	1S	1S	
005	SPIRE SSW Ch29-32 . SHD30		SSA.S -		S060	TS2CC-28	30	060-2	CS-S060-2	HSDCU	17	122300 P025	027	1S	1S	
-																
041	SPIRE SSW Ch29-32 . 31+		SSA.S -		S060	TS2CC-28	31	060-3		HSDCU	17	122300 P025	011	1S	1S	
030	SPIRE SSW Ch29-32 . 31-		SSA.S -		S060	TS2CC-28	31	060-3		HSDCU	17	122300 P025	029	1S	1S	
005	SPIRE SSW Ch29-32 . SHD31		SSA.S -		S060	TS2CC-28	31	060-3	CS-S060-3	HSDCU	17	122300 P025	030	1S	1S	
-																
053	SPIRE SSW Ch29-32 . 32+		SSA.S -		S060	TS2CC-28	32	060-4		HSDCU	17	122300 P025	031	1S	1S	
052	SPIRE SSW Ch29-32 . 32-		SSA.S -		S060	TS2CC-28	32	060-4		HSDCU	17	122300 P025	012	1S	1S	
005	SPIRE SSW Ch29-32 . SHD32		SSA.S -		S060	TS2CC-28	32	060-4	CS-S060-4	HSDCU	17	122300 P025	013	1S	1S	
-																
009	SPIRE SSW Ch33-36 . 33+		SSA.S -		S062	TS2CC-28	33	062-1		HSDCU	17	122300 P025	014	1S	1S	
017	SPIRE SSW Ch33-36 . 33-		SSA.S -		S062	TS2CC-28	33	062-1		HSDCU	17	122300 P025	032	1S	1S	
005	SPIRE SSW Ch33-36 . SHD33		SSA.S -		S062	TS2CC-28	33	062-1	CS-S062-1	HSDCU	17	122300 P025	033	1S	1S	
-																
018	SPIRE SSW Ch33-36 . 34+		SSA.S -		S062	TS2CC-28	34	062-2		HSDCU	17	122300 P025	034	1S	1S	
028	SPIRE SSW Ch33-36 . 34-		SSA.S -		S062	TS2CC-28	34	062-2		HSDCU	17	122300 P025	015	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
005	SPIRE SSW Ch33-36 . SHD34		SSA.S -		S062	TS2CC-28	34	062-2		CS-S062-2	HSDCU	17	122300 P025	016	1S	1S
-																
016	SPIRE SSW Ch33-36 . 35+		SSA.S -		S062	TS2CC-28	35	062-3			HSDCU	17	122300 P025	017	1S	1S
027	SPIRE SSW Ch33-36 . 35-		SSA.S -		S062	TS2CC-28	35	062-3			HSDCU	17	122300 P025	035	1S	1S
005	SPIRE SSW Ch33-36 . SHD35		SSA.S -		S062	TS2CC-28	35	062-3		CS-S062-3	HSDCU	17	122300 P025	036	1S	1S
-																
040	SPIRE SSW Ch33-36 . 36+		SSA.S -		S062	TS2CC-28	36	062-4			HSDCU	17	122300 P025	037	1S	1S
039	SPIRE SSW Ch33-36 . 36-		SSA.S -		S062	TS2CC-28	36	062-4			HSDCU	17	122300 P025	018	1S	1S
005	SPIRE SSW Ch33-36 . SHD36		SSA.S -		S062	TS2CC-28	36	062-4		CS-S062-4	HSDCU	17	122300 P025	019	1S	1S
-																
026	SPIRE SSW Ch37-40 . 37+		SSA.S -		S063	TS2CC-28	37	063-1			HSDCU	17	122300 P026	020	1S	1S
037	SPIRE SSW Ch37-40 . 37-		SSA.S -		S063	TS2CC-28	37	063-1			HSDCU	17	122300 P026	002	1S	1S
036	SPIRE SSW Ch37-40 . SHD37		SSA.S -		S063	TS2CC-28	37	063-1		CS-S063-1	HSDCU	17	122300 P026	001	1S	1S
-																
038	SPIRE SSW Ch37-40 . 38+		SSA.S -		S063	TS2CC-28	38	063-2			HSDCU	17	122300 P026	003	1S	1S
049	SPIRE SSW Ch37-40 . 38-		SSA.S -		S063	TS2CC-28	38	063-2			HSDCU	17	122300 P026	022	1S	1S
036	SPIRE SSW Ch37-40 . SHD38		SSA.S -		S063	TS2CC-28	38	063-2		CS-S063-2	HSDCU	17	122300 P026	021	1S	1S
-																
048	SPIRE SSW Ch37-40 . 39+		SSA.S -		S063	TS2CC-28	39	063-3			HSDCU	17	122300 P026	023	1S	1S
060	SPIRE SSW Ch37-40 . 39-		SSA.S -		S063	TS2CC-28	39	063-3			HSDCU	17	122300 P026	005	1S	1S
036	SPIRE SSW Ch37-40 . SHD39		SSA.S -		S063	TS2CC-28	39	063-3		CS-S063-3	HSDCU	17	122300 P026	004	1S	1S
-																
059	SPIRE SSW Ch37-40 . 40+		SSA.S -		S063	TS2CC-28	40	063-4			HSDCU	17	122300 P026	006	1S	1S
071	SPIRE SSW Ch37-40 . 40-		SSA.S -		S063	TS2CC-28	40	063-4			HSDCU	17	122300 P026	025	1S	1S
036	SPIRE SSW Ch37-40 . SHD40		SSA.S -		S063	TS2CC-28	40	063-4		CS-S063-4	HSDCU	17	122300 P026	024	1S	1S
-																
050	SPIRE SSW Ch41-42 . 41+		SSA.S -		S064	TS2CC-28	41	064-1			HSDCU	17	122300 P026	026	1S	1S
061	SPIRE SSW Ch41-42 . 41-		SSA.S -		S064	TS2CC-28	41	064-1			HSDCU	17	122300 P026	008	1S	1S
036	SPIRE SSW Ch41-42 . SHD41		SSA.S -		S064	TS2CC-28	41	064-1		CS-S064-1	HSDCU	17	122300 P026	007	1S	1S
-																
062	SPIRE SSW Ch41-42 . 42+		SSA.S -		S064	TS2CC-28	42	064-2			HSDCU	17	122300 P026	009	1S	1S
051	SPIRE SSW Ch41-42 . 42-		SSA.S -		S064	TS2CC-28	42	064-2			HSDCU	17	122300 P026	028	1S	1S
036	SPIRE SSW Ch41-42 . SHD42		SSA.S -		S064	TS2CC-28	42	064-2		CS-S064-2	HSDCU	17	122300 P026	027	1S	1S
-																

Pin Allocation List

(Harness)

Connector: 312200 P005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
036	SPIRE B02 GND Wire A3		SSX.S	-	S423	T01C0-26					HSDCU	17	122300 P026	010	1S
-															1S
095	SPIRE SSW PTC Ch's . 1+		S3D.2	-	S053	TS2CC-28	43	053-1			HSSVMCB1	27	312100 P01A	001	1S 1S 1S
084	SPIRE SSW PTC Ch's . 1-		S3D.2	-	S053	TS2CC-28	43	053-1			HSSVMCB1	27	312100 P01A	006	1S 1S 1S
082	SPIRE SSW PTC Ch's . SHD43		S3D.2	-	S053	TS2CC-28	43	053-1	CS-053-1		HSSVMCB1	27	312100 P01A	002	1S 1S 1S
-															
096	SPIRE SSW PTC Ch's . 2+		S3D.2	-	S053	TS2CC-28	44	053-2			HSSVMCB1	27	312100 P01A	003	1S 1S 1S
085	SPIRE SSW PTC Ch's . 2-		S3D.2	-	S053	TS2CC-28	44	053-2			HSSVMCB1	27	312100 P01A	007	1S 1S 1S
082	SPIRE SSW PTC Ch's . SHD44		S3D.2	-	S053	TS2CC-28	44	053-2	CS-S053-2		HSSVMCB1	27	312100 P01A	008	1S 1S 1S
-															
106	SPIRE SSW PTC Ch's . 3+		S3D.2	-	S053	TS2CC-28	45	053-3			HSSVMCB1	27	312100 P01A	004	1S 1S 1S
107	SPIRE SSW PTC Ch's . 3-		S3D.2	-	S053	TS2CC-28	45	053-3			HSSVMCB1	27	312100 P01A	005	1S 1S 1S
082	SPIRE SSW PTC Ch's . SHD45		S3D.2	-	S053	TS2CC-28	45	053-3	CS-S053-3		HSSVMCB1	27	312100 P01A	008	1S 1S 1S
-															
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
024	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
035	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
104	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR								Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 312200 P005
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-02

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	8 pins are NC									The following Pins are NC :					
-	-									;063 ;064 ;065 ;072 ;073 ;074 ;075 ;083					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List

(Harness)

Connector: 122300 P023

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SSW Ch01-04 . 1+	SSA.S	-		S051	TS2CC-28	1	051-1		HSSVMCB2	27	312200 P005	090	1S	1S
002	SPIRE SSW Ch01-04 . 1-	SSA.S	-		S051	TS2CC-28	1	051-1		HSSVMCB2	27	312200 P005	079	1S	1S
001	SPIRE SSW Ch01-04 . SHD01	SSA.S	-		S051	TS2CC-28	1	051-1	CS-S051-1	HSSVMCB2	27	312200 P005	047	1S	1S
-															
003	SPIRE SSW Ch01-04 . 2+	SSA.S	-		S051	TS2CC-28	2	051-2		HSSVMCB2	27	312200 P005	102	1S	1S
022	SPIRE SSW Ch01-04 . 2-	SSA.S	-		S051	TS2CC-28	2	051-2		HSSVMCB2	27	312200 P005	101	1S	1S
021	SPIRE SSW Ch01-04 . SHD02	SSA.S	-		S051	TS2CC-28	2	051-2	CS-S051-2	HSSVMCB2	27	312200 P005	047	1S	1S
-															
023	SPIRE SSW Ch01-04 . 3+	SSA.S	-		S051	TS2CC-28	3	051-3		HSSVMCB2	27	312200 P005	092	1S	1S
005	SPIRE SSW Ch01-04 . 3-	SSA.S	-		S051	TS2CC-28	3	051-3		HSSVMCB2	27	312200 P005	091	1S	1S
004	SPIRE SSW Ch01-04 . SHD03	SSA.S	-		S051	TS2CC-28	3	051-3	CS-S051-3	HSSVMCB2	27	312200 P005	047	1S	1S
-															
006	SPIRE SSW Ch01-04 . 4+	SSA.S	-		S051	TS2CC-28	4	051-4		HSSVMCB2	27	312200 P005	103	1S	1S
025	SPIRE SSW Ch01-04 . 4-	SSA.S	-		S051	TS2CC-28	4	051-4		HSSVMCB2	27	312200 P005	113	1S	1S
024	SPIRE SSW Ch01-04 . SHD04	SSA.S	-		S051	TS2CC-28	4	051-4	CS-S051-4	HSSVMCB2	27	312200 P005	047	1S	1S
-															
026	SPIRE SSW Ch05-08 . 5+	SSA.S	-		S052	TS2CC-28	5	052-1		HSSVMCB2	27	312200 P005	058	1S	1S
008	SPIRE SSW Ch05-08 . 5-	SSA.S	-		S052	TS2CC-28	5	052-1		HSSVMCB2	27	312200 P005	046	1S	1S
007	SPIRE SSW Ch05-08 . SHD05	SSA.S	-		S052	TS2CC-28	5	052-1	CS-S052-1	HSSVMCB2	27	312200 P005	047	1S	1S
-															
009	SPIRE SSW Ch05-08 . 6+	SSA.S	-		S052	TS2CC-28	6	052-2		HSSVMCB2	27	312200 P005	068	1S	1S
028	SPIRE SSW Ch05-08 . 6-	SSA.S	-		S052	TS2CC-28	6	052-2		HSSVMCB2	27	312200 P005	057	1S	1S
027	SPIRE SSW Ch05-08 . SHD06	SSA.S	-		S052	TS2CC-28	6	052-2	CS-S052-2	HSSVMCB2	27	312200 P005	047	1S	1S
-															
011	SPIRE SSW Ch05-08 . 7+	SSA.S	-		S052	TS2CC-28	7	052-3		HSSVMCB2	27	312200 P005	069	1S	1S
029	SPIRE SSW Ch05-08 . 7-	SSA.S	-		S052	TS2CC-28	7	052-3		HSSVMCB2	27	312200 P005	080	1S	1S
030	SPIRE SSW Ch05-08 . SHD07	SSA.S	-		S052	TS2CC-28	7	052-3	CS-S052-3	HSSVMCB2	27	312200 P005	047	1S	1S
-															
031	SPIRE SSW Ch05-08 . 8+	SSA.S	-		S052	TS2CC-28	8	052-4		HSSVMCB2	27	312200 P005	070	1S	1S
012	SPIRE SSW Ch05-08 . 8-	SSA.S	-		S052	TS2CC-28	8	052-4		HSSVMCB2	27	312200 P005	081	1S	1S
013	SPIRE SSW Ch05-08 . SHD08	SSA.S	-		S052	TS2CC-28	8	052-4	CS-S052-4	HSSVMCB2	27	312200 P005	047	1S	1S
-															
014	SPIRE SSW Ch09-12 . 9+	SSA.S	-		S054	TS2CC-28	9	054-1		HSSVMCB2	27	312200 P005	023	1S	1S
032	SPIRE SSW Ch09-12 . 9-	SSA.S	-		S054	TS2CC-28	9	054-1		HSSVMCB2	27	312200 P005	034	1S	1S

Pin Allocation List (Harness)

Connector: 122300 P023
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE SSW Ch09-12 . SHD09		SSA.S -		S054	TS2CC-28	9	054-1	CS-S054-1	HSSVMCB2	27	312200 P005	047	1S	1S	
-																
034	SPIRE SSW Ch09-12 . 10+		SSA.S -		S054	TS2CC-28	10	054-2		HSSVMCB2	27	312200 P005	033	1S	1S	
015	SPIRE SSW Ch09-12 . 10-		SSA.S -		S054	TS2CC-28	10	054-2		HSSVMCB2	27	312200 P005	045	1S	1S	
016	SPIRE SSW Ch09-12 . SHD10		SSA.S -		S054	TS2CC-28	10	054-2	CS-S054-2	HSSVMCB2	27	312200 P005	047	1S	1S	
-																
017	SPIRE SSW Ch09-12 . 11+		SSA.S -		S054	TS2CC-28	11	054-3		HSSVMCB2	27	312200 P005	044	1S	1S	
035	SPIRE SSW Ch09-12 . 11-		SSA.S -		S054	TS2CC-28	11	054-3		HSSVMCB2	27	312200 P005	056	1S	1S	
036	SPIRE SSW Ch09-12 . SHD11		SSA.S -		S054	TS2CC-28	11	054-3	CS-S054-3	HSSVMCB2	27	312200 P005	047	1S	1S	
-																
037	SPIRE SSW Ch09-12 . 12+		SSA.S -		S054	TS2CC-28	12	054-4		HSSVMCB2	27	312200 P005	022	1S	1S	
018	SPIRE SSW Ch09-12 . 12-		SSA.S -		S054	TS2CC-28	12	054-4		HSSVMCB2	27	312200 P005	032	1S	1S	
019	SPIRE SSW Ch09-12 . SHD12		SSA.S -		S054	TS2CC-28	12	054-4	CS-S054-4	HSSVMCB2	27	312200 P005	047	1S	1S	
-																
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation require between IOS and OOS						1S	
-															1S	
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S	
-															1S	
-	1 pin is NC								The following Pin is NC :							
-	-								;010							

Pin Allocation List

(Harness)

Connector: 122300 P024

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SSW Ch13-16 . 13+	SSA.S	-		S055	TS2CC-28	13	055-1		HSSVMCB2	27	312200 P005	086	1S	1S
002	SPIRE SSW Ch13-16 . 13-	SSA.S	-		S055	TS2CC-28	13	055-1		HSSVMCB2	27	312200 P005	087	1S	1S
001	SPIRE SSW Ch13-16 . SHD13	SSA.S	-		S055	TS2CC-28	13	055-1	CS-S055-1	HSSVMCB2	27	312200 P005	128	1S	1S
-															
003	SPIRE SSW Ch13-16 . 14+	SSA.S	-		S055	TS2CC-28	14	055-2		HSSVMCB2	27	312200 P005	097	1S	1S
022	SPIRE SSW Ch13-16 . 14-	SSA.S	-		S055	TS2CC-28	14	055-2		HSSVMCB2	27	312200 P005	098	1S	1S
021	SPIRE SSW Ch13-16 . SHD14	SSA.S	-		S055	TS2CC-28	14	055-2	CS-S055-2	HSSVMCB2	27	312200 P005	128	1S	1S
-															
023	SPIRE SSW Ch13-16 . 15+	SSA.S	-		S055	TS2CC-28	15	055-3		HSSVMCB2	27	312200 P005	108	1S	1S
005	SPIRE SSW Ch13-16 . 15-	SSA.S	-		S055	TS2CC-28	15	055-3		HSSVMCB2	27	312200 P005	109	1S	1S
004	SPIRE SSW Ch13-16 . SHD15	SSA.S	-		S055	TS2CC-28	15	055-3	CS-S055-3	HSSVMCB2	27	312200 P005	128	1S	1S
-															
006	SPIRE SSW Ch13-16 . 16+	SSA.S	-		S055	TS2CC-28	16	055-4		HSSVMCB2	27	312200 P005	116	1S	1S
025	SPIRE SSW Ch13-16 . 16-	SSA.S	-		S055	TS2CC-28	16	055-4		HSSVMCB2	27	312200 P005	117	1S	1S
024	SPIRE SSW Ch13-16 . SHD16	SSA.S	-		S055	TS2CC-28	16	055-4	CS-S055-4	HSSVMCB2	27	312200 P005	128	1S	1S
-															
026	SPIRE SSW Ch17-20 . 17+	SSA.S	-		S056	TS2CC-28	17	056-1		HSSVMCB2	27	312200 P005	055	1S	1S
008	SPIRE SSW Ch17-20 . 17-	SSA.S	-		S056	TS2CC-28	17	056-1		HSSVMCB2	27	312200 P005	066	1S	1S
007	SPIRE SSW Ch17-20 . SHD17	SSA.S	-		S056	TS2CC-28	17	056-1	CS-S056-1	HSSVMCB2	27	312200 P005	128	1S	1S
-															
009	SPIRE SSW Ch17-20 . 18+	SSA.S	-		S056	TS2CC-28	18	056-2		HSSVMCB2	27	312200 P005	067	1S	1S
028	SPIRE SSW Ch17-20 . 18-	SSA.S	-		S056	TS2CC-28	18	056-2		HSSVMCB2	27	312200 P005	078	1S	1S
027	SPIRE SSW Ch17-20 . SHD18	SSA.S	-		S056	TS2CC-28	18	056-2	CS-S056-2	HSSVMCB2	27	312200 P005	128	1S	1S
-															1S
011	SPIRE SSW Ch17-20 . 19+	SSA.S	-		S056	TS2CC-28	19	056-3		HSSVMCB2	27	312200 P005	076	1S	1S
029	SPIRE SSW Ch17-20 . 19-	SSA.S	-		S056	TS2CC-28	19	056-3		HSSVMCB2	27	312200 P005	077	1S	1S
030	SPIRE SSW Ch17-20 . SHD19	SSA.S	-		S056	TS2CC-28	19	056-3	CS-S056-3	HSSVMCB2	27	312200 P005	128	1S	1S
-															
031	SPIRE SSW Ch17-20 . 20+	SSA.S	-		S056	TS2CC-28	20	056-4		HSSVMCB2	27	312200 P005	088	1S	1S
012	SPIRE SSW Ch17-20 . 20-	SSA.S	-		S056	TS2CC-28	20	056-4		HSSVMCB2	27	312200 P005	089	1S	1S
013	SPIRE SSW Ch17-20 . SHD20	SSA.S	-		S056	TS2CC-28	20	056-4	CS-S056-4	HSSVMCB2	27	312200 P005	128	1S	1S
-															
014	SPIRE SSW Ch21-24 . 21+	SSA.S	-		S058	TS2CC-28	21	058-1		HSSVMCB2	27	312200 P005	099	1S	1S
032	SPIRE SSW Ch21-24 . 21-	SSA.S	-		S058	TS2CC-28	21	058-1		HSSVMCB2	27	312200 P005	100	1S	1S

Pin Allocation List (Harness)

Connector: 122300 P024
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE SSW Ch21-24 . SHD21		SSA.S -		S058	TS2CC-28	21	058-1	CS-S058-1	HSSVMCB2	27	312200 P005	128	1S	1S	
-																
034	SPIRE SSW Ch21-24 . 22+		SSA.S -		S058	TS2CC-28	22	058-2		HSSVMCB2	27	312200 P005	110	1S	1S	
015	SPIRE SSW Ch21-24 . 22-		SSA.S -		S058	TS2CC-28	22	058-2		HSSVMCB2	27	312200 P005	111	1S	1S	
016	SPIRE SSW Ch21-24 . SHD22		SSA.S -		S058	TS2CC-28	22	058-2	CS-S058-2	HSSVMCB2	27	312200 P005	128	1S	1S	
-																
017	SPIRE SSW Ch21-24 . 23+		SSA.S -		S058	TS2CC-28	23	058-3		HSSVMCB2	27	312200 P005	118	1S	1S	
035	SPIRE SSW Ch21-24 . 23-		SSA.S -		S058	TS2CC-28	23	058-3		HSSVMCB2	27	312200 P005	119	1S	1S	
036	SPIRE SSW Ch21-24 . SHD23		SSA.S -		S058	TS2CC-28	23	058-3	CS-S058-3	HSSVMCB2	27	312200 P005	128	1S	1S	
-																
037	SPIRE SSW Ch21-24 . 24+		SSA.S -		S058	TS2CC-28	24	058-4		HSSVMCB2	27	312200 P005	112	1S	1S	
018	SPIRE SSW Ch21-24 . 24-		SSA.S -		S058	TS2CC-28	24	058-4		HSSVMCB2	27	312200 P005	120	1S	1S	
019	SPIRE SSW Ch21-24 . SHD24		SSA.S -		S058	TS2CC-28	24	058-4	CS-S058-4	HSSVMCB2	27	312200 P005	128	1S	1S	
-																
010	SPIRE B02 GND Wire A2		SSX.S -		S422	T01C0-26				HSSVMCB2	27	312200 P005	128	1S	1S	
-															1S	
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S	
-																
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S	

Pin Allocation List

(Harness)

Connector: 122300 P025**Function / Bundle:** DCU JFS SSW SIH-XS-02**Conn.-Type:** SCC340100201BDCMA37SNMBFO**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SSW Ch25-28 . 25+		SSA.S -		S059	TS2CC-28	25	059-1		HSSVMCB2	27	312200 P005	013	1S 1S	
002	SPIRE SSW Ch25-28 . 25-		SSA.S -		S059	TS2CC-28	25	059-1		HSSVMCB2	27	312200 P005	012	1S 1S	
001	SPIRE SSW Ch25-28 . SHD25		SSA.S -		S059	TS2CC-28	25	059-1	CS-S059-1	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
003	SPIRE SSW Ch25-28 . 26+		SSA.S -		S059	TS2CC-28	26	059-2		HSSVMCB2	27	312200 P005	021	1S 1S	
022	SPIRE SSW Ch25-28 . 26-		SSA.S -		S059	TS2CC-28	26	059-2		HSSVMCB2	27	312200 P005	020	1S 1S	
021	SPIRE SSW Ch25-28 . SHD26		SSA.S -		S059	TS2CC-28	26	059-2	CS-S059-2	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
023	SPIRE SSW Ch25-28 . 27+		SSA.S -		S059	TS2CC-28	27	059-3		HSSVMCB2	27	312200 P005	031	1S 1S	
005	SPIRE SSW Ch25-28 . 27-		SSA.S -		S059	TS2CC-28	27	059-3		HSSVMCB2	27	312200 P005	043	1S 1S	
004	SPIRE SSW Ch25-28 . SHD27		SSA.S -		S059	TS2CC-28	27	059-3	CS-S059-3	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
006	SPIRE SSW Ch25-28 . 28+		SSA.S -		S059	TS2CC-28	28	059-4		HSSVMCB2	27	312200 P005	042	1S 1S	
025	SPIRE SSW Ch25-28 . 28-		SSA.S -		S059	TS2CC-28	28	059-4		HSSVMCB2	27	312200 P005	054	1S 1S	
024	SPIRE SSW Ch25-28 . SHD28		SSA.S -		S059	TS2CC-28	28	059-4	CS-S059-4	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
026	SPIRE SSW Ch29-32 . 29+		SSA.S -		S060	TS2CC-28	29	060-1		HSSVMCB2	27	312200 P005	010	1S 1S	
008	SPIRE SSW Ch29-32 . 29-		SSA.S -		S060	TS2CC-28	29	060-1		HSSVMCB2	27	312200 P005	011	1S 1S	
007	SPIRE SSW Ch29-32 . SHD29		SSA.S -		S060	TS2CC-28	29	060-1	CS-S060-1	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
009	SPIRE SSW Ch29-32 . 30+		SSA.S -		S060	TS2CC-28	30	060-2		HSSVMCB2	27	312200 P005	019	1S 1S	
028	SPIRE SSW Ch29-32 . 30-		SSA.S -		S060	TS2CC-28	30	060-2		HSSVMCB2	27	312200 P005	029	1S 1S	
027	SPIRE SSW Ch29-32 . SHD30		SSA.S -		S060	TS2CC-28	30	060-2	CS-S060-2	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
011	SPIRE SSW Ch29-32 . 31+		SSA.S -		S060	TS2CC-28	31	060-3		HSSVMCB2	27	312200 P005	041	1S 1S	
029	SPIRE SSW Ch29-32 . 31-		SSA.S -		S060	TS2CC-28	31	060-3		HSSVMCB2	27	312200 P005	030	1S 1S	
030	SPIRE SSW Ch29-32 . SHD31		SSA.S -		S060	TS2CC-28	31	060-3	CS-S060-3	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
031	SPIRE SSW Ch29-32 . 32+		SSA.S -		S060	TS2CC-28	32	060-4		HSSVMCB2	27	312200 P005	053	1S 1S	
012	SPIRE SSW Ch29-32 . 32-		SSA.S -		S060	TS2CC-28	32	060-4		HSSVMCB2	27	312200 P005	052	1S 1S	
013	SPIRE SSW Ch29-32 . SHD32		SSA.S -		S060	TS2CC-28	32	060-4	CS-S060-4	HSSVMCB2	27	312200 P005	005	1S 1S	
-															
014	SPIRE SSW Ch33-36 . 33+		SSA.S -		S062	TS2CC-28	33	062-1		HSSVMCB2	27	312200 P005	009	1S 1S	
032	SPIRE SSW Ch33-36 . 33-		SSA.S -		S062	TS2CC-28	33	062-1		HSSVMCB2	27	312200 P005	017	1S 1S	

Pin Allocation List (Harness)

Connector: 122300 P025
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE SSW Ch33-36 . SHD33		SSA.S -		S062	TS2CC-28	33	062-1	CS-S062-1	HSSVMCB2	27	312200 P005	005	1S	1S	
-																
034	SPIRE SSW Ch33-36 . 34+		SSA.S -		S062	TS2CC-28	34	062-2		HSSVMCB2	27	312200 P005	018	1S	1S	
015	SPIRE SSW Ch33-36 . 34-		SSA.S -		S062	TS2CC-28	34	062-2		HSSVMCB2	27	312200 P005	028	1S	1S	
016	SPIRE SSW Ch33-36 . SHD34		SSA.S -		S062	TS2CC-28	34	062-2	CS-S062-2	HSSVMCB2	27	312200 P005	005	1S	1S	
-																
017	SPIRE SSW Ch33-36 . 35+		SSA.S -		S062	TS2CC-28	35	062-3		HSSVMCB2	27	312200 P005	016	1S	1S	
035	SPIRE SSW Ch33-36 . 35-		SSA.S -		S062	TS2CC-28	35	062-3		HSSVMCB2	27	312200 P005	027	1S	1S	
036	SPIRE SSW Ch33-36 . SHD35		SSA.S -		S062	TS2CC-28	35	062-3	CS-S062-3	HSSVMCB2	27	312200 P005	005	1S	1S	
-																
037	SPIRE SSW Ch33-36 . 36+		SSA.S -		S062	TS2CC-28	36	062-4		HSSVMCB2	27	312200 P005	040	1S	1S	
018	SPIRE SSW Ch33-36 . 36-		SSA.S -		S062	TS2CC-28	36	062-4		HSSVMCB2	27	312200 P005	039	1S	1S	
019	SPIRE SSW Ch33-36 . SHD36		SSA.S -		S062	TS2CC-28	36	062-4	CS-S062-4	HSSVMCB2	27	312200 P005	005	1S	1S	
-																
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S	
-																
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S	
-																
-	1 pin is NC								The following Pin is NC :						1S	
-	-								;010							

Pin Allocation List (Harness)

Connector: 122300 P026
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
020	SPIRE SSW Ch37-40 . 37+		SSA.S -		S063	TS2CC-28	37	063-1			HSSVMCB2	27	312200 P005	026	1S 1S
002	SPIRE SSW Ch37-40 . 37-		SSA.S -		S063	TS2CC-28	37	063-1			HSSVMCB2	27	312200 P005	037	1S 1S
001	SPIRE SSW Ch37-40 . SHD37		SSA.S -		S063	TS2CC-28	37	063-1	CS-S063-1		HSSVMCB2	27	312200 P005	036	1S 1S
-															
003	SPIRE SSW Ch37-40 . 38+		SSA.S -		S063	TS2CC-28	38	063-2			HSSVMCB2	27	312200 P005	038	1S 1S
022	SPIRE SSW Ch37-40 . 38-		SSA.S -		S063	TS2CC-28	38	063-2			HSSVMCB2	27	312200 P005	049	1S 1S
021	SPIRE SSW Ch37-40 . SHD38		SSA.S -		S063	TS2CC-28	38	063-2	CS-S063-2		HSSVMCB2	27	312200 P005	036	1S 1S
-															
023	SPIRE SSW Ch37-40 . 39+		SSA.S -		S063	TS2CC-28	39	063-3			HSSVMCB2	27	312200 P005	048	1S 1S
005	SPIRE SSW Ch37-40 . 39-		SSA.S -		S063	TS2CC-28	39	063-3			HSSVMCB2	27	312200 P005	060	1S 1S
004	SPIRE SSW Ch37-40 . SHD39		SSA.S -		S063	TS2CC-28	39	063-3	CS-S063-3		HSSVMCB2	27	312200 P005	036	1S 1S
-															
006	SPIRE SSW Ch37-40 . 40+		SSA.S -		S063	TS2CC-28	40	063-4			HSSVMCB2	27	312200 P005	059	1S 1S
025	SPIRE SSW Ch37-40 . 40-		SSA.S -		S063	TS2CC-28	40	063-4			HSSVMCB2	27	312200 P005	071	1S 1S
024	SPIRE SSW Ch37-40 . SHD40		SSA.S -		S063	TS2CC-28	40	063-4	CS-S063-4		HSSVMCB2	27	312200 P005	036	1S 1S
-															
026	SPIRE SSW Ch41-42 . 41+		SSA.S -		S064	TS2CC-28	41	064-1			HSSVMCB2	27	312200 P005	050	1S 1S
008	SPIRE SSW Ch41-42 . 41-		SSA.S -		S064	TS2CC-28	41	064-1			HSSVMCB2	27	312200 P005	061	1S 1S
007	SPIRE SSW Ch41-42 . SHD41		SSA.S -		S064	TS2CC-28	41	064-1	CS-S064-1		HSSVMCB2	27	312200 P005	036	1S 1S
-															
009	SPIRE SSW Ch41-42 . 42+		SSA.S -		S064	TS2CC-28	42	064-2			HSSVMCB2	27	312200 P005	062	1S 1S
028	SPIRE SSW Ch41-42 . 42-		SSA.S -		S064	TS2CC-28	42	064-2			HSSVMCB2	27	312200 P005	051	1S 1S
027	SPIRE SSW Ch41-42 . SHD42		SSA.S -		S064	TS2CC-28	42	064-2	CS-S064-2		HSSVMCB2	27	312200 P005	036	1S 1S
-															
010	SPIRE B02 GND Wire A3		SSX.S -		S423	T01C0-26			IS GND WIRE (A)		HSSVMCB2	27	312200 P005	036	1S
-															
011	to be connected to pin 029 via 15 kOhm		-												1S
029			-						connected to pin 011 via 15 kOhm						1S
-															
031	to be connected to pin 012 via 15 kOhm		-												1S
012			-						connected to pin 031 via 15 kOhm						1S
-															

Pin Allocation List (Harness)

Connector: 122300 P026
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
014	to be connected to pin 032 via 15 kOhm		-												1S
032			-						connected to pin 011 via 15 kOhm						1S
-															
034	to be connected to pin 015 via 15 kOhm		-												1S
015			-						connected to pin 034 via 15 kOhm						1S
-															
017	to be connected to pin 035 via 15 kOhm		-												1S
035			-						connected to pin 017 via 15 kOhm						1S
-															
037	to be connected to pin 018 via 15 kOhm		-												1S
018			-						connected to pin 037 via 15 kOhm						1S
-															
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S
-															
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S
-															
-	6 pins are NC								The following Pins are NC :						
-	-								;013 ;016 ;019 ;030 ;033 ;036						

Pin Allocation List

(Harness)

Connector: 312100 P01A**Function / Bundle:** Spire Bundle 02/04 Link A SIH-XS-02**Conn.-Type:** SCC340100201BDEMA09SNMBFO**Item:** HSSVMCB1**Backshell:** CA-04-09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SSW PTC Ch's . 1+	S3D.2	-		S053	TS2CC-28	43	053-1			HSSVMCB2	27	312200 P005	095	1S 1S 1S
006	SPIRE SSW PTC Ch's . 1-	S3D.2	-		S053	TS2CC-28	43	053-1			HSSVMCB2	27	312200 P005	084	1S 1S 1S
002	SPIRE SSW PTC Ch's . SHD43	S3D.2	-		S053	TS2CC-28	43	053-1	CS-S053-1		HSSVMCB2	27	312200 P005	082	1S 1S 1S
-															1S
003	SPIRE SSW PTC Ch's . 2+	S3D.2	-		S053	TS2CC-28	44	053-2			HSSVMCB2	27	312200 P005	096	1S 1S 1S
007	SPIRE SSW PTC Ch's . 2-	S3D.2	-		S053	TS2CC-28	44	053-2			HSSVMCB2	27	312200 P005	085	1S 1S 1S
008	SPIRE SSW PTC Ch's . SHD44	S3D.2	-		S053	TS2CC-28	44	053-2	CS-S053-2		HSSVMCB2	27	312200 P005	082	1S 1S 1S
-															
004	SPIRE SSW PTC Ch's . 3+	S3D.2	-		S053	TS2CC-28	45	053-3			HSSVMCB2	27	312200 P005	106	1S 1S 1S
005	SPIRE SSW PTC Ch's . 3-	S3D.2	-		S053	TS2CC-28	45	053-3			HSSVMCB2	27	312200 P005	107	1S 1S 1S
008	SPIRE SSW PTC Ch's . SHD45	S3D.2	-		S053	TS2CC-28	45	053-3	CS-S053-3		HSSVMCB2	27	312200 P005	082	1S 1S 1S
-															
008	interconnection Star Pin								Star Pin for Shield Interconnection						1S
002	to be con to pin 008														1S
-															1S
009	to be con as part of FCR (single pin !)								Faraday Cage Ring (FCR) (single pin !)						1S
-															
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW_JFETV1_A . A+		SPL.S -		S176	TS2CC-28	1				HSDCU	17	122300 P029	001	1S
037	SPIRE PSW_JFETV1_A . A-		SPL.S -		S176	TS2CC-28	1				HSDCU	17	122300 P029	002	1S
036	SPIRE PSW_JFETV1_A . SHD01		SPL.S -		S176	TS2CC-28	1		CS-S176		HSDCU	17	122300 P029	021	1S 1S
-															
038	SPIRE PSW_JFETV2_A . A+		SPL.S -		S177	TS2CC-28	2				HSDCU	17	122300 P029	003	1S
049	SPIRE PSW_JFETV2_A . A-		SPL.S -		S177	TS2CC-28	2				HSDCU	17	122300 P029	023	1S
036	SPIRE PSW_JFETV2_A . SHD02		SPL.S -		S177	TS2CC-28	2		CS-S177		HSDCU	17	122300 P029	022	1S 1S
-															
048	SPIRE PSW_JFETV3_A . A+		SPL.S -		S178	TS2CC-28	3				HSDCU	17	122300 P029	004	1S
060	SPIRE PSW_JFETV3_A . A-		SPL.S -		S178	TS2CC-28	3				HSDCU	17	122300 P029	005	1S
036	SPIRE PSW_JFETV3_A . SHD03		SPL.S -		S178	TS2CC-28	3		CS-S178		HSDCU	17	122300 P029	024	1S 1S
-															
059	SPIRE PSW_JFETV4_A . A+		SPL.S -		S179	TS2CC-28	4				HSDCU	17	122300 P029	041	1S
071	SPIRE PSW_JFETV4_A . A-		SPL.S -		S179	TS2CC-28	4				HSDCU	17	122300 P029	060	1S
036	SPIRE PSW_JFETV4_A . SHD04		SPL.S -		S179	TS2CC-28	4		CS-S179		HSDCU	17	122300 P029	040	1S 1S
-															
050	SPIRE PSW_JFETV5_A . A+		SPL.S -		S180	TS2CC-28	5				HSDCU	17	122300 P029	061	1S
061	SPIRE PSW_JFETV5_A . A-		SPL.S -		S180	TS2CC-28	5				HSDCU	17	122300 P029	062	1S
036	SPIRE PSW_JFETV5_A . SHD05		SPL.S -		S180	TS2CC-28	5		CS-S180		HSDCU	17	122300 P029	042	1S 1S
-															
062	SPIRE PSW_JFETV6_A . A+		SPL.S -		S181	TS2CC-28	6				HSDCU	17	122300 P029	063	1S
051	SPIRE PSW_JFETV6_A . A-		SPL.S -		S181	TS2CC-28	6				HSDCU	17	122300 P029	044	1S
036	SPIRE PSW_JFETV6_A . SHD06		SPL.S -		S181	TS2CC-28	6		CS-S181		HSDCU	17	122300 P029	043	1S 1S
-															
063	SPIRE PSW_Bias1/2_A . A+		SPK.S -		S183	TS2CC-28	7				HSDCU	17	122300 P029	006	1S
075	SPIRE PSW_Bias1/2_A . A-		SPK.S -		S183	TS2CC-28	7				HSDCU	17	122300 P029	026	1S
036	SPIRE PSW_Bias1/2_A . SHD07		SPK.S -		S183	TS2CC-28	7		CS-S183		HSDCU	17	122300 P029	025	1S 1S
-															
074	SPIRE PSW_Bias3/4_A . A+		SPK.S -		S184	TS2CC-28	8				HSDCU	17	122300 P029	065	1S
073	SPIRE PSW_Bias3/4_A . A-		SPK.S -		S184	TS2CC-28	8				HSDCU	17	122300 P029	064	1S
036	SPIRE PSW_Bias3/4_A . SHD08		SPK.S -		S184	TS2CC-28	8		CS-S184		HSDCU	17	122300 P029	045	1S 1S
-															
083	SPIRE PSW_Bias5/6_A . A+		SPK.S -		S185	TS2CC-28	9				HSDCU	17	122300 P029	047	1S
072	SPIRE PSW_Bias5/6_A . A-		SPK.S -		S185	TS2CC-28	9				HSDCU	17	122300 P029	066	1S

Pin Allocation List

(Harness)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.S -		S185	TS2CC-28	9			CS-S185	HSDCU	17	122300 P029	046	1S	1S
-																
036	SPIRE PSW_JFETV GND A1		SPX.S -		S431	T01C0-26					HSDCU	17	122300 P029	027	1S	1S
-															1S	
095	SPIRE PSW_Heater_A1 . A1+		SPM.S -		S186	TS2CC-28	10				HSDCU	17	122300 P029	008		
084	SPIRE PSW_Heater_A1 . A1-		SPM.S -		S186	TS2CC-28	10				HSDCU	17	122300 P029	009		
105	SPIRE PSW_Heater_A1 . SHD10		SPM.S -		S186	TS2CC-28	10			CS-S186	HSDCU	17	122300 P029	CH	1S	1S
-																
096	SPIRE PSW_Heater_A2 . A2+		SPM.S -		S187	TS2CC-28	11				HSDCU	17	122300 P029	029		
085	SPIRE PSW_Heater_A2 . A2-		SPM.S -		S187	TS2CC-28	11				HSDCU	17	122300 P029	049		
105	SPIRE PSW_Heater_A2 . SHD11		SPM.S -		S187	TS2CC-28	11			CS-S187	HSDCU	17	122300 P029	CH	1S	1S
-																
106	SPIRE PSW_Heater_A3 . A3+		SPM.S -		S188	TS2CC-28	12				HSDCU	17	122300 P029	068		
107	SPIRE PSW_Heater_A3 . A3-		SPM.S -		S188	TS2CC-28	12				HSDCU	17	122300 P029	067		
105	SPIRE PSW_Heater_A3 . SHD12		SPM.S -		S188	TS2CC-28	12			CS-S188	HSDCU	17	122300 P029	CH	1S	1S
-																
086	SPIRE PMW_JFETV1_A . A+		SPH.S -		S190	TS2CC-28	13				HSDCU	17	122300 P029	010	1S	1S
087	SPIRE PMW_JFETV1_A . A-		SPH.S -		S190	TS2CC-28	13				HSDCU	17	122300 P029	011	1S	1S
064	SPIRE PMW_JFETV1_A . SHD13		SPH.S -		S190	TS2CC-28	13			CS-S190	HSDCU	17	122300 P029	030	1S	1S
-																
097	SPIRE PMW_JFETV2_A . A+		SPH.S -		S191	TS2CC-28	14				HSDCU	17	122300 P029	012	1S	1S
098	SPIRE PMW_JFETV2_A . A-		SPH.S -		S191	TS2CC-28	14				HSDCU	17	122300 P029	031	1S	1S
064	SPIRE PMW_JFETV2_A . SHD14		SPH.S -		S191	TS2CC-28	14			CS-S191	HSDCU	17	122300 P029	032	1S	1S
-																
108	SPIRE PMW_JFETV3_A . A+		SPH.S -		S192	TS2CC-28	15				HSDCU	17	122300 P029	069	1S	1S
109	SPIRE PMW_JFETV3_A . A-		SPH.S -		S192	TS2CC-28	15				HSDCU	17	122300 P029	070	1S	1S
064	SPIRE PMW_JFETV3_A . SHD15		SPH.S -		S192	TS2CC-28	15			CS-S192	HSDCU	17	122300 P029	050	1S	1S
-																
116	SPIRE PMW_JFETV4_A . A+		SPH.S -		S193	TS2CC-28	16				HSDCU	17	122300 P029	071	1S	1S
117	SPIRE PMW_JFETV4_A . A-		SPH.S -		S193	TS2CC-28	16				HSDCU	17	122300 P029	052	1S	1S
064	SPIRE PMW_JFETV4_A . SHD16		SPH.S -		S193	TS2CC-28	16			CS-S193	HSDCU	17	122300 P029	051	1S	1S
-																
076	SPIRE PMW_Bias1/2_A . A+		SPG.S -		S194	TS2CC-28	17				HSDCU	17	122300 P029	014	1S	1S
077	SPIRE PMW_Bias1/2_A . A-		SPG.S -		S194	TS2CC-28	17				HSDCU	17	122300 P029	013	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
064	SPIRE PMW_Bias1/2_A . SHD17		SPG.S -		S194	TS2CC-28	17			CS-S194	HSDCU	17	122300 P029	033	1S 1S
-															
088	SPIRE PMW_Bias3/4_A . A+		SPG.S -		S195	TS2CC-28	18				HSDCU	17	122300 P029	073	1S 1S
089	SPIRE PMW_Bias3/4_A . A-		SPG.S -		S195	TS2CC-28	18				HSDCU	17	122300 P029	072	1S 1S
064	SPIRE PMW_Bias3/4_A . SHD18		SPG.S -		S195	TS2CC-28	18			CS-S195	HSDCU	17	122300 P029	053	1S 1S
-															
064	SPIRE PMW_GND A2		SPX.S -		S435	T01C0-26					HSDCU	17	122300 P029	034	1S 1S
-															
103	SPIRE PMW_Heater_A1 . A1+		SPJ.S -		S197	TS2CC-28	19				HSDCU	17	122300 P029	016	1S 1S
113	SPIRE PMW_Heater_A1 . A1-		SPJ.S -		S197	TS2CC-28	19				HSDCU	17	122300 P029	015	1S 1S
114	SPIRE PMW_Heater_A1 . SHD19		SPJ.S -		S197	TS2CC-28	19			CS-S197	HSDCU	17	122300 P029	CH	1S 1S
-															
102	SPIRE PMW_Heater_A2 . A2+		SPJ.S -		S198	TS2CC-28	20				HSDCU	17	122300 P029	054	1S 1S
101	SPIRE PMW_Heater_A2 . A2-		SPJ.S -		S198	TS2CC-28	20				HSDCU	17	122300 P029	074	1S 1S
114	SPIRE PMW_Heater_A2 . SHD20		SPJ.S -		S198	TS2CC-28	20			CS-S198	HSDCU	17	122300 P029	CH	1S 1S
-															
092	SPIRE PLW_Heater_A . A+		SPF.S -		S199	TS2CC-28	21				HSDCU	17	122300 P029	020	1S 1S
104	SPIRE PLW_Heater_A . A-		SPF.S -		S199	TS2CC-28	21				HSDCU	17	122300 P029	039	1S 1S
114	SPIRE PLW_Heater_A . SHD21		SPF.S -		S199	TS2CC-28	21			CS-S199	HSDCU	17	122300 P029	CH	1S 1S
-															
099	SPIRE PLW_JFETV1_A . A+		SPE.S -		S200	TS2CC-28	22				HSDCU	17	122300 P029	036	1S
100	SPIRE PLW_JFETV1_A . A-		SPE.S -		S200	TS2CC-28	22				HSDCU	17	122300 P029	017	1S
128	SPIRE PLW_JFETV1_A . SHD22		SPE.S -		S200	TS2CC-28	22			CS-S200	HSDCU	17	122300 P029	037	1S 1S
-															
110	SPIRE PLW_JFETV2_A . A+		SPE.S -		S201	TS2CC-28	23				HSDCU	17	122300 P029	018	1S
111	SPIRE PLW_JFETV2_A . A-		SPE.S -		S201	TS2CC-28	23				HSDCU	17	122300 P029	019	1S
128	SPIRE PLW_JFETV2_A . SHD23		SPE.S -		S201	TS2CC-28	23			CS-S201	HSDCU	17	122300 P029	038	1S 1S
-															
118	SPIRE PLW_Bias1_A . A+		SPD.S -		S202	TS2CC-28	24				HSDCU	17	122300 P029	075	1S 1S
119	SPIRE PLW_Bias1_A . A-		SPD.S -		S202	TS2CC-28	24				HSDCU	17	122300 P029	076	1S 1S
128	SPIRE PLW_Bias1_A . SHD24		SPD.S -		S202	TS2CC-28	24			CS-S202	HSDCU	17	122300 P029	056	1S 1S
-															
112	SPIRE PLW_Bias2_A . A+		SPD.S -		S203	TS2CC-28	25				HSDCU	17	122300 P029	077	1S 1S
120	SPIRE PLW_Bias2_A . A-		SPD.S -		S203	TS2CC-28	25				HSDCU	17	122300 P029	057	1S 1S

Pin Allocation List

(Harness)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PLW_Bias2_A . SHD25		SPD.S -		S203	TS2CC-28	25			CS-S203	HSDCU	17	122300 P029	058	1S	1S
-																
128	SPIRE PLW_GND C2		SPX.S -		S437	T01C0-26					HSDCU	17	122300 P029	078	1S	1S
-																
042	SPIRE PSW_JFETV1_B . B+		SPL.S -		S205	TS2CC-28	26				HSDCU	17	122300 P030	001	1S	1S
054	SPIRE PSW_JFETV1_B . B-		SPL.S -		S205	TS2CC-28	26				HSDCU	17	122300 P030	002	1S	1S
001	SPIRE PSW_JFETV1_B . SHD26		SPL.S -		S205	TS2CC-28	26			CS-S205	HSDCU	17	122300 P030	021	1S	1S
-																
053	SPIRE PSW_JFETV2_B . B+		SPL.S -		S206	TS2CC-28	27				HSDCU	17	122300 P030	003	1S	1S
052	SPIRE PSW_JFETV2_B . B-		SPL.S -		S206	TS2CC-28	27				HSDCU	17	122300 P030	023	1S	1S
001	SPIRE PSW_JFETV2_B . SHD27		SPL.S -		S206	TS2CC-28	27			CS-S206	HSDCU	17	122300 P030	022	1S	1S
-																
041	SPIRE PSW_JFETV3_B . B+		SPL.S -		S207	TS2CC-28	28				HSDCU	17	122300 P030	004	1S	1S
030	SPIRE PSW_JFETV3_B . B-		SPL.S -		S207	TS2CC-28	28				HSDCU	17	122300 P030	005	1S	1S
001	SPIRE PSW_JFETV3_B . SHD28		SPL.S -		S207	TS2CC-28	28			CS-S207	HSDCU	17	122300 P030	024	1S	1S
-																
010	SPIRE PSW_JFETV4_B . B+		SPL.S -		S208	TS2CC-28	29				HSDCU	17	122300 P030	041	1S	1S
011	SPIRE PSW_JFETV4_B . B-		SPL.S -		S208	TS2CC-28	29				HSDCU	17	122300 P030	060	1S	1S
001	SPIRE PSW_JFETV4_B . SHD29		SPL.S -		S208	TS2CC-28	29			CS-S208	HSDCU	17	122300 P030	040	1S	1S
-																
019	SPIRE PSW_JFETV5_B . B+		SPL.S -		S209	TS2CC-28	30				HSDCU	17	122300 P030	061	1S	1S
029	SPIRE PSW_JFETV5_B . B-		SPL.S -		S209	TS2CC-28	30				HSDCU	17	122300 P030	062	1S	1S
001	SPIRE PSW_JFETV5_B . SHD30		SPL.S -		S209	TS2CC-28	30			CS-S209	HSDCU	17	122300 P030	042	1S	1S
-																
016	SPIRE PSW_JFETV6_B . B+		SPL.S -		S210	TS2CC-28	31				HSDCU	17	122300 P030	063	1S	1S
027	SPIRE PSW_JFETV6_B . B-		SPL.S -		S210	TS2CC-28	31				HSDCU	17	122300 P030	044	1S	1S
001	SPIRE PSW_JFETV6_B . SHD31		SPL.S -		S210	TS2CC-28	31			CS-S210	HSDCU	17	122300 P030	043	1S	1S
-																
040	SPIRE PSW_Bias1/2_B . B+		SPK.S -		S212	TS2CC-28	32				HSDCU	17	122300 P030	006	1S	1S
039	SPIRE PSW_Bias1/2_B . B-		SPK.S -		S212	TS2CC-28	32				HSDCU	17	122300 P030	026	1S	1S
001	SPIRE PSW_Bias1/2_B . SHD32		SPK.S -		S212	TS2CC-28	32			CS-S212	HSDCU	17	122300 P030	025	1S	1S
-																
018	SPIRE PSW_Bias3/4_B . B+		SPK.S -		S213	TS2CC-28	33				HSDCU	17	122300 P030	065	1S	1S
028	SPIRE PSW_Bias3/4_B . B-		SPK.S -		S213	TS2CC-28	33				HSDCU	17	122300 P030	064	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW_Bias3/4_B . SHD33		SPK.S -		S213	TS2CC-28	33			CS-S213	HSDCU	17	122300 P030	045	1S	1S
-																
009	SPIRE PSW_Bias5/6_B . B+		SPK.S -		S214	TS2CC-28	34				HSDCU	17	122300 P030	047	1S	1S
017	SPIRE PSW_Bias5/6_B . B-		SPK.S -		S214	TS2CC-28	34				HSDCU	17	122300 P030	066	1S	1S
001	SPIRE PSW_Bias5/6_B . SHD34		SPK.S -		S214	TS2CC-28	34			CS-S214	HSDCU	17	122300 P030	046	1S	1S
-																
001	SPIRE PSW_JFETV GND A3		SPX.S -		S433	T01C0-26					HSDCU	17	122300 P030	027	1S	1S
-																1S
013	SPIRE PSW_Heater_B1 . B1+		SPM.S -		S215	TS2CC-28	35				HSDCU	17	122300 P030	008	1S	1S
012	SPIRE PSW_Heater_B1 . B1-		SPM.S -		S215	TS2CC-28	35				HSDCU	17	122300 P030	009	1S	1S
005	SPIRE PSW_Heater_B1 . SHD35		SPM.S -		S215	TS2CC-28	35			CS-S215	HSDCU	17	122300 P030	CH	1S	1S
-																
021	SPIRE PSW_Heater_B2 . B2+		SPM.S -		S216	TS2CC-28	36				HSDCU	17	122300 P030	029	1S	1S
020	SPIRE PSW_Heater_B2 . B2-		SPM.S -		S216	TS2CC-28	36				HSDCU	17	122300 P030	049	1S	1S
005	SPIRE PSW_Heater_B2 . SHD36		SPM.S -		S216	TS2CC-28	36			CS-S216	HSDCU	17	122300 P030	CH	1S	1S
-																
031	SPIRE PSW_Heater_B3 . B3+		SPM.S -		S217	TS2CC-28	37				HSDCU	17	122300 P030	068	1S	1S
043	SPIRE PSW_Heater_B3 . B3-		SPM.S -		S217	TS2CC-28	37				HSDCU	17	122300 P030	067	1S	1S
005	SPIRE PSW_Heater_B3 . SHD37		SPM.S -		S217	TS2CC-28	37			CS-S217	HSDCU	17	122300 P030	CH	1S	1S
-																
007	SPIRE PMW_JFETV1_B . B+		SPH.S -		S219	TS2CC-28	38				HSDCU	17	122300 P030	010	1S	1S
014	SPIRE PMW_JFETV1_B . B-		SPH.S -		S219	TS2CC-28	38				HSDCU	17	122300 P030	011	1S	1S
006	SPIRE PMW_JFETV1_B . SHD38		SPH.S -		S219	TS2CC-28	38			CS-S219	HSDCU	17	122300 P030	030	1S	1S
-																
024	SPIRE PMW_JFETV2_B . B+		SPH.S -		S220	TS2CC-28	39				HSDCU	17	122300 P030	012	1S	1S
035	SPIRE PMW_JFETV2_B . B-		SPH.S -		S220	TS2CC-28	39				HSDCU	17	122300 P030	031	1S	1S
006	SPIRE PMW_JFETV2_B . SHD39		SPH.S -		S220	TS2CC-28	39			CS-S220	HSDCU	17	122300 P030	032	1S	1S
-																
023	SPIRE PMW_JFETV3_B . B+		SPH.S -		S221	TS2CC-28	40				HSDCU	17	122300 P030	069	1S	1S
034	SPIRE PMW_JFETV3_B . B-		SPH.S -		S221	TS2CC-28	40				HSDCU	17	122300 P030	070	1S	1S
006	SPIRE PMW_JFETV3_B . SHD40		SPH.S -		S221	TS2CC-28	40			CS-S221	HSDCU	17	122300 P030	050	1S	1S
-																
033	SPIRE PMW_JFETV4_B . B+		SPH.S -		S222	TS2CC-28	41				HSDCU	17	122300 P030	071	1S	1S
045	SPIRE PMW_JFETV4_B . B-		SPH.S -		S222	TS2CC-28	41				HSDCU	17	122300 P030	052	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
006	SPIRE PMW_JFETV4_B . SHD41		SPH.S -		S222	TS2CC-28	41			CS-S222	HSDCU	17	122300 P030	051	1S	1S
-																
044	SPIRE PMW_Bias1/2_B . B+		SPG.S -		S223	TS2CC-28	42				HSDCU	17	122300 P030	014	1S	1S
056	SPIRE PMW_Bias1/2_B . B-		SPG.S -		S223	TS2CC-28	42				HSDCU	17	122300 P030	013	1S	1S
006	SPIRE PMW_Bias1/2_B . SHD42		SPG.S -		S223	TS2CC-28	42			CS-S223	HSDCU	17	122300 P030	033	1S	1S
-																
022	SPIRE PMW_Bias3/4_B . B+		SPG.S -		S224	TS2CC-28	43				HSDCU	17	122300 P030	073	1S	1S
032	SPIRE PMW_Bias3/4_B . B-		SPG.S -		S224	TS2CC-28	43				HSDCU	17	122300 P030	072	1S	1S
006	SPIRE PMW_Bias3/4_B . SHD43		SPG.S -		S224	TS2CC-28	43			CS-S224	HSDCU	17	122300 P030	053	1S	1S
-																
006	SPIRE PMW_GND A4		SPX.S -		S438	T01C0-26					HSDCU	17	122300 P030	034	1S	1S
-																
055	SPIRE PMW_Heater_B1 . B1+		SPJ.S -		S226	TS2CC-28	44				HSDCU	17	122300 P030	016	1S	1S
066	SPIRE PMW_Heater_B1 . B1-		SPJ.S -		S226	TS2CC-28	44				HSDCU	17	122300 P030	015	1S	1S
065	SPIRE PMW_Heater_B1 . SHD44		SPJ.S -		S226	TS2CC-28	44			CS-S226	HSDCU	17	122300 P030	CH	1S	1S
-																
067	SPIRE PMW_Heater_B2 . B2+		SPJ.S -		S227	TS2CC-28	45				HSDCU	17	122300 P030	054	1S	1S
078	SPIRE PMW_Heater_B2 . B2-		SPJ.S -		S227	TS2CC-28	45				HSDCU	17	122300 P030	074	1S	1S
065	SPIRE PMW_Heater_B2 . SHD45		SPJ.S -		S227	TS2CC-28	45			CS-S227	HSDCU	17	122300 P030	CH	1S	1S
-																
090	SPIRE PLW_Heater_B . B+		SPF.S -		S228	TS2CC-28	46				HSDCU	17	122300 P030	020		1S
079	SPIRE PLW_Heater_B . B-		SPF.S -		S228	TS2CC-28	46				HSDCU	17	122300 P030	039		1S
065	SPIRE PLW_Heater_B . SHD46		SPF.S -		S228	TS2CC-28	46			CS-S228	HSDCU	17	122300 P030	CH	1S	1S
-																
070	SPIRE PLW_JFETV1_B . B+		SPE.S -		S229	TS2CC-28	47				HSDCU	17	122300 P030	036	1S	1S
081	SPIRE PLW_JFETV1_B . B-		SPE.S -		S229	TS2CC-28	47				HSDCU	17	122300 P030	017	1S	1S
091	SPIRE PLW_JFETV1_B . SHD47		SPE.S -		S229	TS2CC-28	47			CS-S229	HSDCU	17	122300 P030	037	1S	1S
-																
069	SPIRE PLW_JFETV2_B . B+		SPE.S -		S230	TS2CC-28	48				HSDCU	17	122300 P030	018	1S	1S
080	SPIRE PLW_JFETV2_B . B-		SPE.S -		S230	TS2CC-28	48				HSDCU	17	122300 P030	019	1S	1S
091	SPIRE PLW_JFETV2_B . SHD48		SPE.S -		S230	TS2CC-28	48			CS-S230	HSDCU	17	122300 P030	038	1S	1S
-																
068	SPIRE PLW_Bias1_B . B+		SPD.S -		S231	TS2CC-28	49				HSDCU	17	122300 P030	075	1S	1S
057	SPIRE PLW_Bias1_B . B-		SPD.S -		S231	TS2CC-28	49				HSDCU	17	122300 P030	076	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
091	SPIRE PLW_Bias1_B . SHD49		SPD.S	-	S231	TS2CC-28	49			CS-S231	HSDCU	17	122300 P030	056	1S	1S
-																
058	SPIRE PLW_Bias2_B . B+		SPD.S	-	S232	TS2CC-28	50				HSDCU	17	122300 P030	077	1S	1S
046	SPIRE PLW_Bias2_B . B-		SPD.S	-	S232	TS2CC-28	50				HSDCU	17	122300 P030	057	1S	1S
091	SPIRE PLW_Bias2_B . SHD50		SPD.S	-	S232	TS2CC-28	50			CS-S232	HSDCU	17	122300 P030	058	1S	1S
-																
091	SPIRE PLW_GND C4		SPX.S	-	S440	T01C0-26				GND Wire (E2)	HSDCU	17	122300 P030	078	1S	1S
-																
002	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
004	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
047	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
065	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR			-						Faraday Cage Ring (FCR)						1S
-																
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS						1S

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
Issue : 2.1 Date : 03.08.2006
Sheet : 461 (of 666)

Connector: 312100 P004
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-03

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S

Pin Allocation List

(Harness)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW_JFETV1_A . A+		SPL.S -		S176	TS2CC-28	1				HSSVMCB1	27	312100 P004	026	1S
002	SPIRE PSW_JFETV1_A . A-		SPL.S -		S176	TS2CC-28	1				HSSVMCB1	27	312100 P004	037	1S
021	SPIRE PSW_JFETV1_A . SHD01		SPL.S -		S176	TS2CC-28	1		CS-S176		HSSVMCB1	27	312100 P004	036	1S 1S
-															
003	SPIRE PSW_JFETV2_A . A+		SPL.S -		S177	TS2CC-28	2				HSSVMCB1	27	312100 P004	038	1S
023	SPIRE PSW_JFETV2_A . A-		SPL.S -		S177	TS2CC-28	2				HSSVMCB1	27	312100 P004	049	1S
022	SPIRE PSW_JFETV2_A . SHD02		SPL.S -		S177	TS2CC-28	2		CS-S177		HSSVMCB1	27	312100 P004	036	1S 1S
-															
004	SPIRE PSW_JFETV3_A . A+		SPL.S -		S178	TS2CC-28	3				HSSVMCB1	27	312100 P004	048	1S
005	SPIRE PSW_JFETV3_A . A-		SPL.S -		S178	TS2CC-28	3				HSSVMCB1	27	312100 P004	060	1S
024	SPIRE PSW_JFETV3_A . SHD03		SPL.S -		S178	TS2CC-28	3		CS-S178		HSSVMCB1	27	312100 P004	036	1S 1S
-															
041	SPIRE PSW_JFETV4_A . A+		SPL.S -		S179	TS2CC-28	4				HSSVMCB1	27	312100 P004	059	1S
060	SPIRE PSW_JFETV4_A . A-		SPL.S -		S179	TS2CC-28	4				HSSVMCB1	27	312100 P004	071	1S
040	SPIRE PSW_JFETV4_A . SHD04		SPL.S -		S179	TS2CC-28	4		CS-S179		HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
061	SPIRE PSW_JFETV5_A . A+		SPL.S -		S180	TS2CC-28	5				HSSVMCB1	27	312100 P004	050	1S
062	SPIRE PSW_JFETV5_A . A-		SPL.S -		S180	TS2CC-28	5				HSSVMCB1	27	312100 P004	061	1S
042	SPIRE PSW_JFETV5_A . SHD05		SPL.S -		S180	TS2CC-28	5		CS-S180		HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
063	SPIRE PSW_JFETV6_A . A+		SPL.S -		S181	TS2CC-28	6				HSSVMCB1	27	312100 P004	062	1S
044	SPIRE PSW_JFETV6_A . A-		SPL.S -		S181	TS2CC-28	6				HSSVMCB1	27	312100 P004	051	1S
043	SPIRE PSW_JFETV6_A . SHD06		SPL.S -		S181	TS2CC-28	6		CS-S181		HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
006	SPIRE PSW_Bias1/2_A . A+		SPK.S -		S183	TS2CC-28	7				HSSVMCB1	27	312100 P004	063	1S
026	SPIRE PSW_Bias1/2_A . A-		SPK.S -		S183	TS2CC-28	7				HSSVMCB1	27	312100 P004	075	1S
025	SPIRE PSW_Bias1/2_A . SHD07		SPK.S -		S183	TS2CC-28	7		CS-S183		HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
065	SPIRE PSW_Bias3/4_A . A+		SPK.S -		S184	TS2CC-28	8				HSSVMCB1	27	312100 P004	074	1S
064	SPIRE PSW_Bias3/4_A . A-		SPK.S -		S184	TS2CC-28	8				HSSVMCB1	27	312100 P004	073	1S
045	SPIRE PSW_Bias3/4_A . SHD08		SPK.S -		S184	TS2CC-28	8		CS-S184		HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
047	SPIRE PSW_Bias5/6_A . A+		SPK.S -		S185	TS2CC-28	9				HSSVMCB1	27	312100 P004	083	1S
066	SPIRE PSW_Bias5/6_A . A-		SPK.S -		S185	TS2CC-28	9				HSSVMCB1	27	312100 P004	072	1S

Pin Allocation List

(Harness)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE PSW_Bias5/6_A . SHD09		SPK.S -		S185	TS2CC-28	9			CS-S185	HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
027	SPIRE PSW_JFETV GND A1		SPX.S -		S431	T01C0-26					HSSVMCB1	27	312100 P004	036	1S 1S
-															1S
008	SPIRE PSW_Heater_A1 . A1+		SPM.S -		S186	TS2CC-28	10				HSSVMCB1	27	312100 P004	095	
009	SPIRE PSW_Heater_A1 . A1-		SPM.S -		S186	TS2CC-28	10				HSSVMCB1	27	312100 P004	084	
CH	SPIRE PSW_Heater_A1 . SHD10		SPM.S -		S186	TS2CC-28	10			CS-S186	HSSVMCB1	27	312100 P004	105	1S 1S
-															
029	SPIRE PSW_Heater_A2 . A2+		SPM.S -		S187	TS2CC-28	11				HSSVMCB1	27	312100 P004	096	
049	SPIRE PSW_Heater_A2 . A2-		SPM.S -		S187	TS2CC-28	11				HSSVMCB1	27	312100 P004	085	
CH	SPIRE PSW_Heater_A2 . SHD11		SPM.S -		S187	TS2CC-28	11			CS-S187	HSSVMCB1	27	312100 P004	105	1S 1S
-															
068	SPIRE PSW_Heater_A3 . A3+		SPM.S -		S188	TS2CC-28	12				HSSVMCB1	27	312100 P004	106	
067	SPIRE PSW_Heater_A3 . A3-		SPM.S -		S188	TS2CC-28	12				HSSVMCB1	27	312100 P004	107	
CH	SPIRE PSW_Heater_A3 . SHD12		SPM.S -		S188	TS2CC-28	12			CS-S188	HSSVMCB1	27	312100 P004	105	1S 1S
-															
010	SPIRE PMW_JFETV1_A . A+		SPH.S -		S190	TS2CC-28	13				HSSVMCB1	27	312100 P004	086	1S 1S
011	SPIRE PMW_JFETV1_A . A-		SPH.S -		S190	TS2CC-28	13				HSSVMCB1	27	312100 P004	087	1S 1S
030	SPIRE PMW_JFETV1_A . SHD13		SPH.S -		S190	TS2CC-28	13			CS-S190	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
012	SPIRE PMW_JFETV2_A . A+		SPH.S -		S191	TS2CC-28	14				HSSVMCB1	27	312100 P004	097	1S 1S
031	SPIRE PMW_JFETV2_A . A-		SPH.S -		S191	TS2CC-28	14				HSSVMCB1	27	312100 P004	098	1S 1S
032	SPIRE PMW_JFETV2_A . SHD14		SPH.S -		S191	TS2CC-28	14			CS-S191	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
069	SPIRE PMW_JFETV3_A . A+		SPH.S -		S192	TS2CC-28	15				HSSVMCB1	27	312100 P004	108	1S 1S
070	SPIRE PMW_JFETV3_A . A-		SPH.S -		S192	TS2CC-28	15				HSSVMCB1	27	312100 P004	109	1S 1S
050	SPIRE PMW_JFETV3_A . SHD15		SPH.S -		S192	TS2CC-28	15			CS-S192	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
071	SPIRE PMW_JFETV4_A . A+		SPH.S -		S193	TS2CC-28	16				HSSVMCB1	27	312100 P004	116	1S 1S
052	SPIRE PMW_JFETV4_A . A-		SPH.S -		S193	TS2CC-28	16				HSSVMCB1	27	312100 P004	117	1S 1S
051	SPIRE PMW_JFETV4_A . SHD16		SPH.S -		S193	TS2CC-28	16			CS-S193	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
014	SPIRE PMW_Bias1/2_A . A+		SPG.S -		S194	TS2CC-28	17				HSSVMCB1	27	312100 P004	076	1S 1S
013	SPIRE PMW_Bias1/2_A . A-		SPG.S -		S194	TS2CC-28	17				HSSVMCB1	27	312100 P004	077	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PMW_Bias1/2_A . SHD17		SPG.S -		S194	TS2CC-28	17			CS-S194	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
073	SPIRE PMW_Bias3/4_A . A+		SPG.S -		S195	TS2CC-28	18				HSSVMCB1	27	312100 P004	088	1S 1S
072	SPIRE PMW_Bias3/4_A . A-		SPG.S -		S195	TS2CC-28	18				HSSVMCB1	27	312100 P004	089	1S 1S
053	SPIRE PMW_Bias3/4_A . SHD18		SPG.S -		S195	TS2CC-28	18			CS-S195	HSSVMCB1	27	312100 P004	064	1S 1S
-															1S
034	SPIRE PMW_GND A2		SPX.S -		S435	T01C0-26					HSSVMCB1	27	312100 P004	064	1S 1S
-															
016	SPIRE PMW_Heater_A1 . A1+		SPJ.S -		S197	TS2CC-28	19				HSSVMCB1	27	312100 P004	103	1S 1S
015	SPIRE PMW_Heater_A1 . A1-		SPJ.S -		S197	TS2CC-28	19				HSSVMCB1	27	312100 P004	113	1S 1S
CH	SPIRE PMW_Heater_A1 . SHD19		SPJ.S -		S197	TS2CC-28	19			CS-S197	HSSVMCB1	27	312100 P004	114	1S 1S
-															
054	SPIRE PMW_Heater_A2 . A2+		SPJ.S -		S198	TS2CC-28	20				HSSVMCB1	27	312100 P004	102	1S 1S
074	SPIRE PMW_Heater_A2 . A2-		SPJ.S -		S198	TS2CC-28	20				HSSVMCB1	27	312100 P004	101	1S 1S
CH	SPIRE PMW_Heater_A2 . SHD20		SPJ.S -		S198	TS2CC-28	20			CS-S198	HSSVMCB1	27	312100 P004	114	1S 1S
-															
020	SPIRE PLW_Heater_A . A+		SPF.S -		S199	TS2CC-28	21				HSSVMCB1	27	312100 P004	092	1S 1S
039	SPIRE PLW_Heater_A . A-		SPF.S -		S199	TS2CC-28	21				HSSVMCB1	27	312100 P004	104	1S 1S
CH	SPIRE PLW_Heater_A . SHD21		SPF.S -		S199	TS2CC-28	21			CS-S199	HSSVMCB1	27	312100 P004	114	1S 1S
-															
036	SPIRE PLW_JFETV1_A . A+		SPE.S -		S200	TS2CC-28	22				HSSVMCB1	27	312100 P004	099	1S
017	SPIRE PLW_JFETV1_A . A-		SPE.S -		S200	TS2CC-28	22				HSSVMCB1	27	312100 P004	100	1S
037	SPIRE PLW_JFETV1_A . SHD22		SPE.S -		S200	TS2CC-28	22			CS-S200	HSSVMCB1	27	312100 P004	128	1S 1S
-															1S
018	SPIRE PLW_JFETV2_A . A+		SPE.S -		S201	TS2CC-28	23				HSSVMCB1	27	312100 P004	110	1S
019	SPIRE PLW_JFETV2_A . A-		SPE.S -		S201	TS2CC-28	23				HSSVMCB1	27	312100 P004	111	1S
038	SPIRE PLW_JFETV2_A . SHD23		SPE.S -		S201	TS2CC-28	23			CS-S201	HSSVMCB1	27	312100 P004	128	1S 1S
-															1S
075	SPIRE PLW_Bias1_A . A+		SPD.S -		S202	TS2CC-28	24				HSSVMCB1	27	312100 P004	118	1S 1S
076	SPIRE PLW_Bias1_A . A-		SPD.S -		S202	TS2CC-28	24				HSSVMCB1	27	312100 P004	119	1S 1S
056	SPIRE PLW_Bias1_A . SHD24		SPD.S -		S202	TS2CC-28	24			CS-S202	HSSVMCB1	27	312100 P004	128	1S 1S
-															1S
077	SPIRE PLW_Bias2_A . A+		SPD.S -		S203	TS2CC-28	25				HSSVMCB1	27	312100 P004	112	1S 1S
057	SPIRE PLW_Bias2_A . A-		SPD.S -		S203	TS2CC-28	25				HSSVMCB1	27	312100 P004	120	1S 1S

Pin Allocation List (Harness)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
058	SPIRE PLW_Bias2_A . SHD25		SPD.S -		S203	TS2CC-28		25		CS-S203	HSSVMCB1	27	312100 P004	128	1S	1S
-																1S
078	SPIRE PLW_GND C2		SPX.S -		S437	T01C0-26					HSSVMCB1	27	312100 P004	128	1S	1S
-																
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS						1S
-																
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS						1S
-																1S
027	Interconnection Star Pin									Star Pin for Shield Interconnection						1S
021	to be con to pin 027			-												1S
022	to be con to pin 027			-												1S
024	to be con to pin 027			-												1S
040	to be con to pin 027															1S
042	to be con to pin 027															1S
043	to be con to pin 027															1S
025	to be con to pin 027															1S
045	to be con to pin 027															1S
046	to be con to pin 027															1S
-																1S
034	Interconnection Star Pin									Star Pin for Shield Interconnection						1S
030	to be con to pin 034															1S
032	to be con to pin 034															1S
033	to be con to pin 034															1S
050	to be con to pin 034															1S
051	to be con to pin 034															1S
-																1S
078	Interconnection Star Pin									Star Pin for Shield Interconnection						1S
053	to be con to pin 034															1S
037	to be con to pin 078															1S

Pin Allocation List (Harness)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
038	to be con to pin 078														1S
056	to be con to pin 078														1S
058	to be con to pin 078														1S
-															1S
-	6 pins are NC									The following Pins are NC :					
-	-									;007 ;028 ;035 ;048 ;055 ;059					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW_JFETV1_B . B+		SPL.S -		S205	TS2CC-28	26				HSSVMCB1	27	312100 P004	042	1S 1S
002	SPIRE PSW_JFETV1_B . B-		SPL.S -		S205	TS2CC-28	26				HSSVMCB1	27	312100 P004	054	1S 1S
021	SPIRE PSW_JFETV1_B . SHD26		SPL.S -		S205	TS2CC-28	26		CS-S205		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
003	SPIRE PSW_JFETV2_B . B+		SPL.S -		S206	TS2CC-28	27				HSSVMCB1	27	312100 P004	053	1S 1S
023	SPIRE PSW_JFETV2_B . B-		SPL.S -		S206	TS2CC-28	27				HSSVMCB1	27	312100 P004	052	1S 1S
022	SPIRE PSW_JFETV2_B . SHD27		SPL.S -		S206	TS2CC-28	27		CS-S206		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
004	SPIRE PSW_JFETV3_B . B+		SPL.S -		S207	TS2CC-28	28				HSSVMCB1	27	312100 P004	041	1S 1S
005	SPIRE PSW_JFETV3_B . B-		SPL.S -		S207	TS2CC-28	28				HSSVMCB1	27	312100 P004	030	1S 1S
024	SPIRE PSW_JFETV3_B . SHD28		SPL.S -		S207	TS2CC-28	28		CS-S207		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
041	SPIRE PSW_JFETV4_B . B+		SPL.S -		S208	TS2CC-28	29				HSSVMCB1	27	312100 P004	010	1S 1S
060	SPIRE PSW_JFETV4_B . B-		SPL.S -		S208	TS2CC-28	29				HSSVMCB1	27	312100 P004	011	1S 1S
040	SPIRE PSW_JFETV4_B . SHD29		SPL.S -		S208	TS2CC-28	29		CS-S208		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
061	SPIRE PSW_JFETV5_B . B+		SPL.S -		S209	TS2CC-28	30				HSSVMCB1	27	312100 P004	019	1S 1S
062	SPIRE PSW_JFETV5_B . B-		SPL.S -		S209	TS2CC-28	30				HSSVMCB1	27	312100 P004	029	1S 1S
042	SPIRE PSW_JFETV5_B . SHD30		SPL.S -		S209	TS2CC-28	30		CS-S209		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
063	SPIRE PSW_JFETV6_B . B+		SPL.S -		S210	TS2CC-28	31				HSSVMCB1	27	312100 P004	016	1S 1S
044	SPIRE PSW_JFETV6_B . B-		SPL.S -		S210	TS2CC-28	31				HSSVMCB1	27	312100 P004	027	1S 1S
043	SPIRE PSW_JFETV6_B . SHD31		SPL.S -		S210	TS2CC-28	31		CS-S210		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
006	SPIRE PSW_Bias1/2_B . B+		SPK.S -		S212	TS2CC-28	32				HSSVMCB1	27	312100 P004	040	1S 1S
026	SPIRE PSW_Bias1/2_B . B-		SPK.S -		S212	TS2CC-28	32				HSSVMCB1	27	312100 P004	039	1S 1S
025	SPIRE PSW_Bias1/2_B . SHD32		SPK.S -		S212	TS2CC-28	32		CS-S212		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
065	SPIRE PSW_Bias3/4_B . B+		SPK.S -		S213	TS2CC-28	33				HSSVMCB1	27	312100 P004	018	1S 1S
064	SPIRE PSW_Bias3/4_B . B-		SPK.S -		S213	TS2CC-28	33				HSSVMCB1	27	312100 P004	028	1S 1S
045	SPIRE PSW_Bias3/4_B . SHD33		SPK.S -		S213	TS2CC-28	33		CS-S213		HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
047	SPIRE PSW_Bias5/6_B . B+		SPK.S -		S214	TS2CC-28	34				HSSVMCB1	27	312100 P004	009	1S 1S
066	SPIRE PSW_Bias5/6_B . B-		SPK.S -		S214	TS2CC-28	34				HSSVMCB1	27	312100 P004	017	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
046	SPIRE PSW_Bias5/6_B . SHD34		SPK.S -		S214	TS2CC-28	34			CS-S214	HSSVMCB1	27	312100 P004	001	1S 1S
-															1S
027	SPIRE PSW_JFETV GND A3		SPX.S -		S433	T01C0-26					HSSVMCB1	27	312100 P004	001	1S 1S
-															
008	SPIRE PSW_Heater_B1 . B1+		SPM.S -		S215	TS2CC-28	35				HSSVMCB1	27	312100 P004	013	1S 1S
-															1S
009	SPIRE PSW_Heater_B1 . B1-		SPM.S -		S215	TS2CC-28	35				HSSVMCB1	27	312100 P004	012	1S 1S
CH	SPIRE PSW_Heater_B1 . SHD35		SPM.S -		S215	TS2CC-28	35			CS-S215	HSSVMCB1	27	312100 P004	005	1S 1S
-															
029	SPIRE PSW_Heater_B2 . B2+		SPM.S -		S216	TS2CC-28	36				HSSVMCB1	27	312100 P004	021	1S 1S
049	SPIRE PSW_Heater_B2 . B2-		SPM.S -		S216	TS2CC-28	36				HSSVMCB1	27	312100 P004	020	1S 1S
CH	SPIRE PSW_Heater_B2 . SHD36		SPM.S -		S216	TS2CC-28	36			CS-S216	HSSVMCB1	27	312100 P004	005	1S 1S
-															
068	SPIRE PSW_Heater_B3 . B3+		SPM.S -		S217	TS2CC-28	37				HSSVMCB1	27	312100 P004	031	1S 1S
067	SPIRE PSW_Heater_B3 . B3-		SPM.S -		S217	TS2CC-28	37				HSSVMCB1	27	312100 P004	043	1S 1S
CH	SPIRE PSW_Heater_B3 . SHD37		SPM.S -		S217	TS2CC-28	37			CS-S217	HSSVMCB1	27	312100 P004	005	1S 1S
-															
010	SPIRE PMW_JFETV1_B . B+		SPH.S -		S219	TS2CC-28	38				HSSVMCB1	27	312100 P004	007	1S 1S
011	SPIRE PMW_JFETV1_B . B-		SPH.S -		S219	TS2CC-28	38				HSSVMCB1	27	312100 P004	014	1S 1S
030	SPIRE PMW_JFETV1_B . SHD38		SPH.S -		S219	TS2CC-28	38			CS-S219	HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
012	SPIRE PMW_JFETV2_B . B+		SPH.S -		S220	TS2CC-28	39				HSSVMCB1	27	312100 P004	024	1S 1S
031	SPIRE PMW_JFETV2_B . B-		SPH.S -		S220	TS2CC-28	39				HSSVMCB1	27	312100 P004	035	1S 1S
032	SPIRE PMW_JFETV2_B . SHD39		SPH.S -		S220	TS2CC-28	39			CS-S220	HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
069	SPIRE PMW_JFETV3_B . B+		SPH.S -		S221	TS2CC-28	40				HSSVMCB1	27	312100 P004	023	1S 1S
070	SPIRE PMW_JFETV3_B . B-		SPH.S -		S221	TS2CC-28	40				HSSVMCB1	27	312100 P004	034	1S 1S
050	SPIRE PMW_JFETV3_B . SHD40		SPH.S -		S221	TS2CC-28	40			CS-S221	HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
071	SPIRE PMW_JFETV4_B . B+		SPH.S -		S222	TS2CC-28	41				HSSVMCB1	27	312100 P004	033	1S 1S
052	SPIRE PMW_JFETV4_B . B-		SPH.S -		S222	TS2CC-28	41				HSSVMCB1	27	312100 P004	045	1S 1S
051	SPIRE PMW_JFETV4_B . SHD41		SPH.S -		S222	TS2CC-28	41			CS-S222	HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
014	SPIRE PMW_Bias1/2_B . B+		SPG.S -		S223	TS2CC-28	42				HSSVMCB1	27	312100 P004	044	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
013	SPIRE PMW_Bias1/2_B . B-		SPG.S -		S223	TS2CC-28	42				HSSVMCB1	27	312100 P004	056	1S 1S
033	SPIRE PMW_Bias1/2_B . SHD42		SPG.S -		S223	TS2CC-28	42		CS-S223		HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
073	SPIRE PMW_Bias3/4_B . B+		SPG.S -		S224	TS2CC-28	43				HSSVMCB1	27	312100 P004	022	1S 1S
072	SPIRE PMW_Bias3/4_B . B-		SPG.S -		S224	TS2CC-28	43				HSSVMCB1	27	312100 P004	032	1S 1S
053	SPIRE PMW_Bias3/4_B . SHD43		SPG.S -		S224	TS2CC-28	43		CS-S224		HSSVMCB1	27	312100 P004	006	1S 1S
-															1S
034	SPIRE PMW_GND A4		SPX.S -		S438	T01C0-26					HSSVMCB1	27	312100 P004	006	1S 1S
-															
016	SPIRE PMW_Heater_B1 . B1+		SPJ.S -		S226	TS2CC-28	44				HSSVMCB1	27	312100 P004	055	1S 1S
015	SPIRE PMW_Heater_B1 . B1-		SPJ.S -		S226	TS2CC-28	44				HSSVMCB1	27	312100 P004	066	1S 1S
CH	SPIRE PMW_Heater_B1 . SHD44		SPJ.S -		S226	TS2CC-28	44		CS-S226		HSSVMCB1	27	312100 P004	065	1S 1S
-															
054	SPIRE PMW_Heater_B2 . B2+		SPJ.S -		S227	TS2CC-28	45				HSSVMCB1	27	312100 P004	067	1S 1S
074	SPIRE PMW_Heater_B2 . B2-		SPJ.S -		S227	TS2CC-28	45				HSSVMCB1	27	312100 P004	078	1S 1S
CH	SPIRE PMW_Heater_B2 . SHD45		SPJ.S -		S227	TS2CC-28	45		CS-S227		HSSVMCB1	27	312100 P004	065	1S 1S
-															
020	SPIRE PLW_Heater_B . B+		SPF.S -		S228	TS2CC-28	46				HSSVMCB1	27	312100 P004	090	1S
039	SPIRE PLW_Heater_B . B-		SPF.S -		S228	TS2CC-28	46				HSSVMCB1	27	312100 P004	079	1S
CH	SPIRE PLW_Heater_B . SHD46		SPF.S -		S228	TS2CC-28	46		CS-S228		HSSVMCB1	27	312100 P004	065	1S 1S
-															
036	SPIRE PLW_JFETV1_B . B+		SPE.S -		S229	TS2CC-28	47				HSSVMCB1	27	312100 P004	070	1S 1S
017	SPIRE PLW_JFETV1_B . B-		SPE.S -		S229	TS2CC-28	47				HSSVMCB1	27	312100 P004	081	1S 1S
037	SPIRE PLW_JFETV1_B . SHD47		SPE.S -		S229	TS2CC-28	47		CS-S229		HSSVMCB1	27	312100 P004	091	1S 1S
-															
018	SPIRE PLW_JFETV2_B . B+		SPE.S -		S230	TS2CC-28	48				HSSVMCB1	27	312100 P004	069	1S 1S
019	SPIRE PLW_JFETV2_B . B-		SPE.S -		S230	TS2CC-28	48				HSSVMCB1	27	312100 P004	080	1S 1S
038	SPIRE PLW_JFETV2_B . SHD48		SPE.S -		S230	TS2CC-28	48		CS-S230		HSSVMCB1	27	312100 P004	091	1S 1S
-															1S
075	SPIRE PLW_Bias1_B . B+		SPD.S -		S231	TS2CC-28	49				HSSVMCB1	27	312100 P004	068	1S 1S
076	SPIRE PLW_Bias1_B . B-		SPD.S -		S231	TS2CC-28	49				HSSVMCB1	27	312100 P004	057	1S 1S
056	SPIRE PLW_Bias1_B . SHD49		SPD.S -		S231	TS2CC-28	49		CS-S231		HSSVMCB1	27	312100 P004	091	1S 1S
-															1S
077	SPIRE PLW_Bias2_B . B+		SPD.S -		S232	TS2CC-28	50				HSSVMCB1	27	312100 P004	058	1S 1S

Pin Allocation List (Harness)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
057	SPIRE PLW_Bias2_B . B-		SPD.S -		S232	TS2CC-28	50				HSSVMCB1	27	312100 P004	046	1S	1S
058	SPIRE PLW_Bias2_B . SHD50		SPD.S -		S232	TS2CC-28	50		CS-S232		HSSVMCB1	27	312100 P004	091	1S	1S
-															1S	
078	SPIRE PLW_GND C4		SPX.S -		S440	T01C0-26					HSSVMCB1	27	312100 P004	091	1S	1S
-																
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S	
-																
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S	
-															1S	
027	Interconnection Star Pin								Star Pin for Shield Interconnection						1S	
021	to be con to pin 027														1S	
022	to be con to pin 027														1S	
024	to be con to pin 027														1S	
040	to be con to pin 027														1S	
042	to be con to pin 027														1S	
043	to be con to pin 027														1S	
025	to be con to pin 027														1S	
045	to be con to pin 027														1S	
046	to be con to pin 027														1S	
-															1S	
034	Interconnection Star Pin								Star Pin for Shield Interconnection						1S	
030	to be con to pin 034														1S	
032	to be con to pin 034														1S	
050	to be con to pin 034														1S	
051	to be con to pin 034														1S	
033	to be con to pin 034														1S	
053	to be con to pin 034														1S	
-															1S	
078	Interconnection Star Pin								Star Pin for Shield Interconnection						1S	

Pin Allocation List (Harness)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: DDMA-78P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
037	to be con to pin 078														1S
038	to be con to pin 078														1S
056	to be con to pin 078														1S
058	to be con to pin 078														1S
-															1S
-	6 pins are NC									The following Pins are NC :					
-	-									;007 ;028 ;035 ;048 ;055 ;059					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312100 P003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PMW Ch01 to 04 . 1+		SPB.S -		S067	TS2CC-28	1	067-1		HSDCU	17	122300 P020	001	1S	1S	
037	SPIRE PMW Ch01 to 04 . 1-		SPB.S -		S067	TS2CC-28	1	067-1		HSDCU	17	122300 P020	018	1S	1S	
036	SPIRE PMW Ch01 to 04 . SHD01		SPB.S -		S067	TS2CC-28	1	067-1	CS-S067-1	HSDCU	17	122300 P020	034	1S	1S	
-																
038	SPIRE PMW Ch01 to 04 . 2+		SPB.S -		S067	TS2CC-28	2	067-2		HSDCU	17	122300 P020	002	1S	1S	
049	SPIRE PMW Ch01 to 04 . 2-		SPB.S -		S067	TS2CC-28	2	067-2		HSDCU	17	122300 P020	019	1S	1S	
036	SPIRE PMW Ch01 to 04 . SHD02		SPB.S -		S067	TS2CC-28	2	067-2	CS-S067-2	HSDCU	17	122300 P020	035	1S	1S	
-																
048	SPIRE PMW Ch01 to 04 . 3+		SPB.S -		S067	TS2CC-28	3	067-3		HSDCU	17	122300 P020	003	1S	1S	
060	SPIRE PMW Ch01 to 04 . 3-		SPB.S -		S067	TS2CC-28	3	067-3		HSDCU	17	122300 P020	020	1S	1S	
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.S -		S067	TS2CC-28	3	067-3	CS-S067-3	HSDCU	17	122300 P020	036	1S	1S	
-																
059	SPIRE PMW Ch01 to 04 . 4+		SPB.S -		S067	TS2CC-28	4	067-4		HSDCU	17	122300 P020	004	1S	1S	
071	SPIRE PMW Ch01 to 04 . 4-		SPB.S -		S067	TS2CC-28	4	067-4		HSDCU	17	122300 P020	021	1S	1S	
036	SPIRE PMW Ch01 to 04 . SHD04		SPB.S -		S067	TS2CC-28	4	067-4	CS-S067-4	HSDCU	17	122300 P020	037	1S	1S	
-																
050	SPIRE PMW Ch05 to 08 . 5+		SPB.S -		S068	TS2CC-28	5	068-1		HSDCU	17	122300 P020	005	1S	1S	
061	SPIRE PMW Ch05 to 08 . 5-		SPB.S -		S068	TS2CC-28	5	068-1		HSDCU	17	122300 P020	022	1S	1S	
036	SPIRE PMW Ch05 to 08 . SHD05		SPB.S -		S068	TS2CC-28	5	068-1	CS-S068-1	HSDCU	17	122300 P020	038	1S	1S	
-																
062	SPIRE PMW Ch05 to 08 . 6+		SPB.S -		S068	TS2CC-28	6	068-2		HSDCU	17	122300 P020	006	1S	1S	
051	SPIRE PMW Ch05 to 08 . 6-		SPB.S -		S068	TS2CC-28	6	068-2		HSDCU	17	122300 P020	023	1S	1S	
036	SPIRE PMW Ch05 to 08 . SHD06		SPB.S -		S068	TS2CC-28	6	068-2	CS-S068-2	HSDCU	17	122300 P020	039	1S	1S	
-																
063	SPIRE PMW Ch05 to 08 . 7+		SPB.S -		S068	TS2CC-28	7	068-3		HSDCU	17	122300 P020	007	1S	1S	
075	SPIRE PMW Ch05 to 08 . 7-		SPB.S -		S068	TS2CC-28	7	068-3		HSDCU	17	122300 P020	024	1S	1S	
036	SPIRE PMW Ch05 to 08 . SHD07		SPB.S -		S068	TS2CC-28	7	068-3	CS-S068-3	HSDCU	17	122300 P020	040	1S	1S	
-																
074	SPIRE PMW Ch05 to 08 . 8+		SPB.S -		S068	TS2CC-28	8	068-4		HSDCU	17	122300 P020	008	1S	1S	
073	SPIRE PMW Ch05 to 08 . 8-		SPB.S -		S068	TS2CC-28	8	068-4		HSDCU	17	122300 P020	025	1S	1S	
036	SPIRE PMW Ch05 to 08 . SHD08		SPB.S -		S068	TS2CC-28	8	068-4	CS-S068-4	HSDCU	17	122300 P020	041	1S	1S	
-																
083	SPIRE PMW Ch09 to 12 . 9+		SPB.3 -		S069	TS2CC-28	9			HSDCU	17	122300 P020	026	1S	1S	
072	SPIRE PMW Ch09 to 12 . 9-		SPB.3 -		S069	TS2CC-28	9			HSDCU	17	122300 P020	010	1S	1S	

Pin Allocation List

(Harness)

Connector: 312100 P003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PMW Ch09 to 12 . SHD09		SPB.3 -		S069	TS2CC-28	9			CS-S069	HSDCU	17	122300 P020	043	1S	1S
-																
086	SPIRE PMW Ch 13 to 16 . 13+		SPB.S -		S072	TS2CC-28	13	072-1			HSDCU	17	122300 P020	027	1S	1S
087	SPIRE PMW Ch 13 to 16 . 13-		SPB.S -		S072	TS2CC-28	13	072-1			HSDCU	17	122300 P020	011	1S	1S
036	SPIRE PMW Ch 13 to 16 . SHD13		SPB.S -		S072	TS2CC-28	13	072-1		CS-S072-1	HSDCU	17	122300 P020	044	1S	1S
-																
097	SPIRE PMW Ch 13 to 16 . 14+		SPB.S -		S072	TS2CC-28	14	072-2			HSDCU	17	122300 P020	028	1S	1S
098	SPIRE PMW Ch 13 to 16 . 14-		SPB.S -		S072	TS2CC-28	14	072-2			HSDCU	17	122300 P020	012	1S	1S
036	SPIRE PMW Ch 13 to 16 . SHD14		SPB.S -		S072	TS2CC-28	14	072-2		CS-S072-2	HSDCU	17	122300 P020	045	1S	1S
-																
108	SPIRE PMW Ch 13 to 16 . 15+		SPB.S -		S072	TS2CC-28	15	072-3			HSDCU	17	122300 P020	029	1S	1S
109	SPIRE PMW Ch 13 to 16 . 15-		SPB.S -		S072	TS2CC-28	15	072-3			HSDCU	17	122300 P020	013	1S	1S
036	SPIRE PMW Ch 13 to 16 . SHD15		SPB.S -		S072	TS2CC-28	15	072-3		CS-S072-3	HSDCU	17	122300 P020	046	1S	1S
-																
116	SPIRE PMW Ch 13 to 16 . 16+		SPB.S -		S072	TS2CC-28	16	072-4			HSDCU	17	122300 P020	030	1S	1S
117	SPIRE PMW Ch 13 to 16 . 16-		SPB.S -		S072	TS2CC-28	16	16			HSDCU	17	122300 P020	014	1S	1S
036	SPIRE PMW Ch 13 to 16 . SHD16		SPB.S -		S072	TS2CC-28	16	072-4		CS-S072-4	HSDCU	17	122300 P020	047	1S	1S
-																
036	SPIRE PMW B04 GND WIRE A1		SPX.- -		S441	010B0-30					HSDCU	17	122300 P020	009	1S	1S
-																
055	SPIRE PMW Ch17 to 19 . 17+		SPB.5 -		S073	TS2CC-28	17	073-1			HSDCU	17	122300 P020	031	1S	1S
066	SPIRE PMW Ch17 to 19 . 17-		SPB.5 -		S073	TS2CC-28	17	073-1			HSDCU	17	122300 P020	015	1S	1S
128	SPIRE PMW Ch17 to 19 . SHD17		SPB.5 -		S073	TS2CC-28	17	073-1		CS-S073-1	HSDCU	17	122300 P020	048	1S	1S
-																
067	SPIRE PMW Ch17 to 19 . 18+		SPB.5 -		S073	TS2CC-28	18	073-2			HSDCU	17	122300 P020	032	1S	1S
078	SPIRE PMW Ch17 to 19 . 18-		SPB.5 -		S073	TS2CC-28	18	073-2			HSDCU	17	122300 P020	016	1S	1S
128	SPIRE PMW Ch17 to 19 . SHD18		SPB.5 -		S073	TS2CC-28	18	073-2		CS-S073-2	HSDCU	17	122300 P020	049	1S	1S
-																
076	SPIRE PMW Ch17 to 19 . 19+		SPB.5 -		S073	TS2CC-28	19	073-3			HSDCU	17	122300 P020	033	1S	1S
077	SPIRE PMW Ch17 to 19 . 19-		SPB.5 -		S073	TS2CC-28	19	073-3			HSDCU	17	122300 P020	017	1S	1S
128	SPIRE PMW Ch17 to 19 . SHD19		SPB.5 -		S073	TS2CC-28	19	073-3		CS-S073-3	HSDCU	17	122300 P020	050	1S	1S
-																
088	SPIRE PMW Ch 20 . 20+		SPB.3 -		S73A	TS2CC-28	20				HSDCU	17	122300 P021	001	1S	1S
089	SPIRE PMW Ch 20 . 20-		SPB.3 -		S73A	TS2CC-28	20				HSDCU	17	122300 P021	018	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PMW Ch 20 . SHD20		SPB.3 -		S73A	TS2CC-28	20			CS-S73A	HSDCU	17	122300 P021	034	1S	1S
-																
099	SPIRE PMW Ch21 to 24 . 21+		SPB.S -		S074	TS2CC-28	21	074-1			HSDCU	17	122300 P021	002	1S	1S
100	SPIRE PMW Ch21 to 24 . 21-		SPB.S -		S074	TS2CC-28	21	074-1			HSDCU	17	122300 P021	019	1S	1S
128	SPIRE PMW Ch21 to 24 . SHD21		SPB.S -		S074	TS2CC-28	21	074-1		CS-S074-1	HSDCU	17	122300 P021	035	1S	1S
-																
110	SPIRE PMW Ch21 to 24 . 22+		SPB.S -		S074	TS2CC-28	22	074-2			HSDCU	17	122300 P021	003	1S	1S
111	SPIRE PMW Ch21 to 24 . 22-		SPB.S -		S074	TS2CC-28	22	074-2			HSDCU	17	122300 P021	020	1S	1S
128	SPIRE PMW Ch21 to 24 . SHD22		SPB.S -		S074	TS2CC-28	22	074-2		CS-S074-2	HSDCU	17	122300 P021	036	1S	1S
-																
118	SPIRE PMW Ch21 to 24 . 23+		SPB.S -		S074	TS2CC-28	23	074-3			HSDCU	17	122300 P021	004	1S	1S
119	SPIRE PMW Ch21 to 24 . 23-		SPB.S -		S074	TS2CC-28	23	074-3			HSDCU	17	122300 P021	021	1S	1S
128	SPIRE PMW Ch21 to 24 . SHD23		SPB.S -		S074	TS2CC-28	23	074-3		CS-S074-3	HSDCU	17	122300 P021	037	1S	1S
-																
112	SPIRE PMW Ch21 to 24 . 24+		SPB.S -		S074	TS2CC-28	24	074-4			HSDCU	17	122300 P021	005	1S	1S
120	SPIRE PMW Ch21 to 24 . 24-		SPB.S -		S074	TS2CC-28	24	074-4			HSDCU	17	122300 P021	022	1S	1S
128	SPIRE PMW Ch21 to 24 . SHD24		SPB.S -		S074	TS2CC-28	24	074-4		CS-S074-4	HSDCU	17	122300 P021	038	1S	1S
-																
-																
090	SPIRE PMW Ch25 to 28 . 25+		SPB.S -		S076	TS2CC-28	25	076-1			HSDCU	17	122300 P021	006	1S	1S
079	SPIRE PMW Ch25 to 28 . 25-		SPB.S -		S076	TS2CC-28	25	076-1			HSDCU	17	122300 P021	023	1S	1S
128	SPIRE PMW Ch25 to 28 . SHD25		SPB.S -		S076	TS2CC-28	25	076-1		CS-S076-1	HSDCU	17	122300 P021	039	1S	1S
-																
102	SPIRE PMW Ch25 to 28 . 26+		SPB.S -		S076	TS2CC-28	26	076-2			HSDCU	17	122300 P021	007	1S	1S
101	SPIRE PMW Ch25 to 28 . 26-		SPB.S -		S076	TS2CC-28	26	076-2			HSDCU	17	122300 P021	024	1S	1S
128	SPIRE PMW Ch25 to 28 . SHD26		SPB.S -		S076	TS2CC-28	26	076-2		CS-S076-2	HSDCU	17	122300 P021	040	1S	1S
-																
092	SPIRE PMW Ch25 to 28 . 27+		SPB.S -		S076	TS2CC-28	27	076-3			HSDCU	17	122300 P021	008	1S	1S
091	SPIRE PMW Ch25 to 28 . 27-		SPB.S -		S076	TS2CC-28	27	076-3			HSDCU	17	122300 P021	025	1S	1S
128	SPIRE PMW Ch25 to 28 . SHD27		SPB.S -		S076	TS2CC-28	27	076-3		CS-S076-3	HSDCU	17	122300 P021	041	1S	1S
-																
103	SPIRE PMW Ch25 to 28 . 28+		SPB.S -		S076	TS2CC-28	28	076-4			HSDCU	17	122300 P021	026	1S	1S
113	SPIRE PMW Ch25 to 28 . 28-		SPB.S -		S076	TS2CC-28	28	076-4			HSDCU	17	122300 P021	010	1S	1S
128	SPIRE PMW Ch25 to 28 . SHD28		SPB.S -		S076	TS2CC-28	28	076-4		CS-S076-4	HSDCU	17	122300 P021	043	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
058	SPIRE PMW Ch29 to 32 . 29+		SPB.5 -		S077	TS2CC-28	29	077-1			HSDCU	17	122300 P021	027	1S 1S
046	SPIRE PMW Ch29 to 32 . 29-		SPB.5 -		S077	TS2CC-28	29	077-1			HSDCU	17	122300 P021	011	1S 1S
128	SPIRE PMW Ch29 to 32 . SHD29		SPB.5 -		S077	TS2CC-28	29	077-1	CS-S077-1		HSDCU	17	122300 P021	044	1S 1S
-															
068	SPIRE PMW Ch29 to 32 . 30+		SPB.5 -		S077	TS2CC-28	30	077-2			HSDCU	17	122300 P021	028	1S 1S
057	SPIRE PMW Ch29 to 32 . 30-		SPB.5 -		S077	TS2CC-28	30	077-2			HSDCU	17	122300 P021	012	1S 1S
128	SPIRE PMW Ch29 to 32 . SHD30		SPB.5 -		S077	TS2CC-28	30	077-2	CS-S077-2		HSDCU	17	122300 P021	045	1S 1S
-															
069	SPIRE PMW Ch29 to 32 . 31+		SPB.5 -		S077	TS2CC-28	31	077-3			HSDCU	17	122300 P021	029	1S 1S
080	SPIRE PMW Ch29 to 32 . 31-		SPB.5 -		S077	TS2CC-28	31	077-3			HSDCU	17	122300 P021	013	1S 1S
128	SPIRE PMW Ch29 to 32 . SHD31		SPB.5 -		S077	TS2CC-28	31	077-3	CS-S077-3		HSDCU	17	122300 P021	046	1S 1S
-															
070	SPIRE PMW Ch29 to 32 . 32+		SPB.5 -		S077	TS2CC-28	32	077-4			HSDCU	17	122300 P021	030	1S 1S
081	SPIRE PMW Ch29 to 32 . 32-		SPB.5 -		S077	TS2CC-28	32	077-4			HSDCU	17	122300 P021	014	1S 1S
128	SPIRE PMW Ch29 to 32 . SHD32		SPB.5 -		S077	TS2CC-28	32	077-4	CS-S077-4		HSDCU	17	122300 P021	047	1S 1S
-															
128	SPIRE PMW B04 GND Wire A2		SPX.- -		S442	010B0-30					HSDCU	17	122300 P021	009	1S 1S
-															
023	SPIRE PMW Ch33 to 35 . 33+		SPB.S -		S078	TS2CC-28	33	078-1			HSDCU	17	122300 P021	031	1S 1S
034	SPIRE PMW Ch33 to 35 . 33-		SPB.S -		S078	TS2CC-28	33	078-1			HSDCU	17	122300 P021	015	1S 1S
004	SPIRE PMW Ch33 to 35 . SHD33		SPB.S -		S078	TS2CC-28	33	078-1	CS-S078-1		HSDCU	17	122300 P021	048	1S 1S
-															
033	SPIRE PMW Ch33 to 35 . 34+		SPB.S -		S078	TS2CC-28	34	078-2			HSDCU	17	122300 P021	032	1S 1S
045	SPIRE PMW Ch33 to 35 . 34-		SPB.S -		S078	TS2CC-28	34	078-2			HSDCU	17	122300 P021	016	1S 1S
004	SPIRE PMW Ch33 to 35 . SHD34		SPB.S -		S078	TS2CC-28	34	078-2	CS-S078-2		HSDCU	17	122300 P021	049	1S 1S
-															
044	SPIRE PMW Ch33 to 35 . 35+		SPB.S -		S078	TS2CC-28	35	078-3			HSDCU	17	122300 P021	033	1S 1S
056	SPIRE PMW Ch33 to 35 . 35-		SPB.S -		S078	TS2CC-28	35	078-3			HSDCU	17	122300 P021	017	1S 1S
004	SPIRE PMW Ch33 to 35 . SHD35		SPB.S -		S078	TS2CC-28	35	078-3	CS-S078-3		HSDCU	17	122300 P021	050	1S 1S
-															
022	SPIRE PMW Ch36 . 36+		SPB.3 -		S78A	TS2CC-28	36				HSDCU	17	122300 P022	001	1S 1S
032	SPIRE PMW Ch36 . 36-		SPB.3 -		S78A	TS2CC-28	36				HSDCU	17	122300 P022	018	1S 1S
004	SPIRE PMW Ch36 . SHD36		SPB.3 -		S78A	TS2CC-28	36		CS-S78A		HSDCU	17	122300 P022	034	1S 1S

Pin Allocation List

(Harness)

Connector: 312100 P003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
013	SPIRE PMW Ch37 to 40 . 37+		SPB.S -		S083	TS2CC-28	37	083-1			HSDCU	17	122300 P022	002	1S 1S
012	SPIRE PMW Ch37 to 40 . 37-		SPB.S -		S083	TS2CC-28	37	083-1			HSDCU	17	122300 P022	019	1S 1S
004	SPIRE PMW Ch37 to 40 . SHD37		SPB.S -		S083	TS2CC-28	37	083-1	CS-S083-1		HSDCU	17	122300 P022	035	1S 1S
-															
021	SPIRE PMW Ch37 to 40 . 38+		SPB.S -		S083	TS2CC-28	38	083-2			HSDCU	17	122300 P022	003	1S 1S
020	SPIRE PMW Ch37 to 40 . 38-		SPB.S -		S083	TS2CC-28	38	083-2			HSDCU	17	122300 P022	020	1S 1S
004	SPIRE PMW Ch37 to 40 . SHD38		SPB.S -		S083	TS2CC-28	38	083-2	CS-S083-2		HSDCU	17	122300 P022	036	1S 1S
-															
031	SPIRE PMW Ch37 to 40 . 39+		SPB.S -		S083	TS2CC-28	39	083-3			HSDCU	17	122300 P022	004	1S 1S
043	SPIRE PMW Ch37 to 40 . 39-		SPB.S -		S083	TS2CC-28	39	083-3			HSDCU	17	122300 P022	021	1S 1S
004	SPIRE PMW Ch37 to 40 . SHD39		SPB.S -		S083	TS2CC-28	39	083-3	CS-S083-3		HSDCU	17	122300 P022	037	1S 1S
-															
042	SPIRE PMW Ch37 to 40 . 40+		SPB.S -		S083	TS2CC-28	40	083-4			HSDCU	17	122300 P022	005	1S 1S
054	SPIRE PMW Ch37 to 40 . 40-		SPB.S -		S083	TS2CC-28	40	083-4			HSDCU	17	122300 P022	022	1S 1S
004	SPIRE PMW Ch37 to 40 . SHD40		SPB.S -		S083	TS2CC-28	40	083-4	CS-S083-4		HSDCU	17	122300 P022	038	1S 1S
-															
010	SPIRE PMW Ch41 to 44 . 41+		SPB.S -		S081	TS2CC-28	41	081-1			HSDCU	17	122300 P022	006	1S 1S
011	SPIRE PMW Ch41 to 44 . 41-		SPB.S -		S081	TS2CC-28	41	081-1			HSDCU	17	122300 P022	023	1S 1S
004	SPIRE PMW Ch41 to 44 . SHD41		SPB.S -		S081	TS2CC-28	41	081-1	CS-S081-1		HSDCU	17	122300 P022	039	1S 1S
-															
019	SPIRE PMW Ch41 to 44 . 42+		SPB.S -		S081	TS2CC-28	42	081-2			HSDCU	17	122300 P022	007	1S 1S
029	SPIRE PMW Ch41 to 44 . 42-		SPB.S -		S081	TS2CC-28	42	081-2			HSDCU	17	122300 P022	024	1S 1S
004	SPIRE PMW Ch41 to 44 . SHD42		SPB.S -		S081	TS2CC-28	42	081-2	CS-S081-2		HSDCU	17	122300 P022	040	1S 1S
-															
041	SPIRE PMW Ch41 to 44 . 43+		SPB.S -		S081	TS2CC-28	43	081-3			HSDCU	17	122300 P022	008	1S 1S
030	SPIRE PMW Ch41 to 44 . 43-		SPB.S -		S081	TS2CC-28	43	081-3			HSDCU	17	122300 P022	025	1S 1S
004	SPIRE PMW Ch41 to 44 . SHD43		SPB.S -		S081	TS2CC-28	43	081-3	CS-S081-3		HSDCU	17	122300 P022	041	1S 1S
-															
053	SPIRE PMW Ch41 to 44 . 44+		SPB.S -		S081	TS2CC-28	44	081-4			HSDCU	17	122300 P022	026	1S 1S
052	SPIRE PMW Ch41 to 44 . 44-		SPB.S -		S081	TS2CC-28	44	081-4			HSDCU	17	122300 P022	010	1S 1S
004	SPIRE PMW Ch41 to 44 . SHD44		SPB.S -		S081	TS2CC-28	44	081-4	CS-S081-4		HSDCU	17	122300 P022	043	1S 1S
-															
009	SPIRE PMW Ch45 to 48 . 45+		SPB.S -		S082	TS2CC-28	45	082-1			HSDCU	17	122300 P022	027	1S 1S

Pin Allocation List

(Harness)

Connector: 312100 P003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
017	SPIRE PMW Ch45 to 48 . 45-		SPB.S -		S082	TS2CC-28	45	082-1			HSDCU	17	122300 P022	011	1S 1S
004	SPIRE PMW Ch45 to 48 . SHD45		SPB.S -		S082	TS2CC-28	45	082-1	CS-S082-1		HSDCU	17	122300 P022	044	1S 1S
-															
018	SPIRE PMW Ch45 to 48 . 46+		SPB.S -		S082	TS2CC-28	46	082-2			HSDCU	17	122300 P022	028	1S 1S
028	SPIRE PMW Ch45 to 48 . 46-		SPB.S -		S082	TS2CC-28	46	082-2			HSDCU	17	122300 P022	012	1S 1S
004	SPIRE PMW Ch45 to 48 . SHD46		SPB.S -		S082	TS2CC-28	46	082-2	CS-S082-2		HSDCU	17	122300 P022	045	1S 1S
-															
016	SPIRE PMW Ch45 to 48 . 47+		SPB.S -		S082	TS2CC-28	47	082-3			HSDCU	17	122300 P022	029	1S 1S
027	SPIRE PMW Ch45 to 48 . 47-		SPB.S -		S082	TS2CC-28	47	082-3			HSDCU	17	122300 P022	013	1S 1S
004	SPIRE PMW Ch45 to 48 . SHD47		SPB.S -		S082	TS2CC-28	47	082-3	CS-S082-3		HSDCU	17	122300 P022	046	1S 1S
-															
040	SPIRE PMW Ch45 to 48 . 48+		SPB.S -		S082	TS2CC-28	48	082-4			HSDCU	17	122300 P022	030	1S 1S
039	SPIRE PMW Ch45 to 48 . 48-		SPB.S -		S082	TS2CC-28	48	082-4			HSDCU	17	122300 P022	014	1S 1S
004	SPIRE PMW Ch45 to 48 . SHD48		SPB.S -		S082	TS2CC-28	48	082-4	CS-S082-4		HSDCU	17	122300 P022	047	1S 1S
-															
004	SPIRE PMW B04 GND Wire A4		SPX.- -		S444	010B0-30					HSDCU	17	122300 P022	009	1S 1S
-															1S
047	Interconnection Star Pin								star pin for shield interconnection						1S
036	to be con to pin 047														1S
128	to be con to pin 047														1S
004	to be con to pin 047														1S
-															1S
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
002	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
024	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S

Pin Allocation List (Harness)

Connector: 312100 P003
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-04

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	8 pins are NC									The following Pins are NC :					
-	-									;064 ;065 ;084 ;085 ;095 ;096 ;106 ;107					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P022

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch36 . 36+		SPB.3 -		S78A	TS2CC-28	36				HSSVMCB1	27	312100 P003	022	1S 1S
018	SPIRE PMW Ch36 . 36-		SPB.3 -		S78A	TS2CC-28	36				HSSVMCB1	27	312100 P003	032	1S 1S
034	SPIRE PMW Ch36 . SHD36		SPB.3 -		S78A	TS2CC-28	36		CS-S78A		HSSVMCB1	27	312100 P003	004	1S 1S
-															
002	SPIRE PMW Ch37 to 40 . 37+		SPB.S -		S083	TS2CC-28	37	083-1			HSSVMCB1	27	312100 P003	013	1S 1S
019	SPIRE PMW Ch37 to 40 . 37-		SPB.S -		S083	TS2CC-28	37	083-1			HSSVMCB1	27	312100 P003	012	1S 1S
035	SPIRE PMW Ch37 to 40 . SHD37		SPB.S -		S083	TS2CC-28	37	083-1	CS-S083-1		HSSVMCB1	27	312100 P003	004	1S 1S
-															
003	SPIRE PMW Ch37 to 40 . 38+		SPB.S -		S083	TS2CC-28	38	083-2			HSSVMCB1	27	312100 P003	021	1S 1S
020	SPIRE PMW Ch37 to 40 . 38-		SPB.S -		S083	TS2CC-28	38	083-2			HSSVMCB1	27	312100 P003	020	1S 1S
036	SPIRE PMW Ch37 to 40 . SHD38		SPB.S -		S083	TS2CC-28	38	083-2	CS-S083-2		HSSVMCB1	27	312100 P003	004	1S 1S
-															
004	SPIRE PMW Ch37 to 40 . 39+		SPB.S -		S083	TS2CC-28	39	083-3			HSSVMCB1	27	312100 P003	031	1S 1S
021	SPIRE PMW Ch37 to 40 . 39-		SPB.S -		S083	TS2CC-28	39	083-3			HSSVMCB1	27	312100 P003	043	1S 1S
037	SPIRE PMW Ch37 to 40 . SHD39		SPB.S -		S083	TS2CC-28	39	083-3	CS-S083-3		HSSVMCB1	27	312100 P003	004	1S 1S
-															
005	SPIRE PMW Ch37 to 40 . 40+		SPB.S -		S083	TS2CC-28	40	083-4			HSSVMCB1	27	312100 P003	042	1S 1S
022	SPIRE PMW Ch37 to 40 . 40-		SPB.S -		S083	TS2CC-28	40	083-4			HSSVMCB1	27	312100 P003	054	1S 1S
038	SPIRE PMW Ch37 to 40 . SHD40		SPB.S -		S083	TS2CC-28	40	083-4	CS-S083-4		HSSVMCB1	27	312100 P003	004	1S 1S
-															
006	SPIRE PMW Ch41 to 44 . 41+		SPB.S -		S081	TS2CC-28	41	081-1			HSSVMCB1	27	312100 P003	010	1S 1S
023	SPIRE PMW Ch41 to 44 . 41-		SPB.S -		S081	TS2CC-28	41	081-1			HSSVMCB1	27	312100 P003	011	1S 1S
039	SPIRE PMW Ch41 to 44 . SHD41		SPB.S -		S081	TS2CC-28	41	081-1	CS-S081-1		HSSVMCB1	27	312100 P003	004	1S 1S
-															
007	SPIRE PMW Ch41 to 44 . 42+		SPB.S -		S081	TS2CC-28	42	081-2			HSSVMCB1	27	312100 P003	019	1S 1S
024	SPIRE PMW Ch41 to 44 . 42-		SPB.S -		S081	TS2CC-28	42	081-2			HSSVMCB1	27	312100 P003	029	1S 1S
040	SPIRE PMW Ch41 to 44 . SHD42		SPB.S -		S081	TS2CC-28	42	081-2	CS-S081-2		HSSVMCB1	27	312100 P003	004	1S 1S
-															
008	SPIRE PMW Ch41 to 44 . 43+		SPB.S -		S081	TS2CC-28	43	081-3			HSSVMCB1	27	312100 P003	041	1S 1S
025	SPIRE PMW Ch41 to 44 . 43-		SPB.S -		S081	TS2CC-28	43	081-3			HSSVMCB1	27	312100 P003	030	1S 1S
041	SPIRE PMW Ch41 to 44 . SHD43		SPB.S -		S081	TS2CC-28	43	081-3	CS-S081-3		HSSVMCB1	27	312100 P003	004	1S 1S
-															
026	SPIRE PMW Ch41 to 44 . 44+		SPB.S -		S081	TS2CC-28	44	081-4			HSSVMCB1	27	312100 P003	053	1S 1S
010	SPIRE PMW Ch41 to 44 . 44-		SPB.S -		S081	TS2CC-28	44	081-4			HSSVMCB1	27	312100 P003	052	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P022**Function / Bundle:** DCU JFP PMW SIH-XS-04**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch41 to 44 . SHD44		SPB.S	-	S081	TS2CC-28	44	081-4		CS-S081-4	HSSVMCB1	27	312100 P003	004	1S	1S
-																
027	SPIRE PMW Ch45 to 48 . 45+		SPB.S	-	S082	TS2CC-28	45	082-1			HSSVMCB1	27	312100 P003	009	1S	1S
011	SPIRE PMW Ch45 to 48 . 45-		SPB.S	-	S082	TS2CC-28	45	082-1			HSSVMCB1	27	312100 P003	017	1S	1S
044	SPIRE PMW Ch45 to 48 . SHD45		SPB.S	-	S082	TS2CC-28	45	082-1		CS-S082-1	HSSVMCB1	27	312100 P003	004	1S	1S
-																
028	SPIRE PMW Ch45 to 48 . 46+		SPB.S	-	S082	TS2CC-28	46	082-2			HSSVMCB1	27	312100 P003	018	1S	1S
012	SPIRE PMW Ch45 to 48 . 46-		SPB.S	-	S082	TS2CC-28	46	082-2			HSSVMCB1	27	312100 P003	028	1S	1S
045	SPIRE PMW Ch45 to 48 . SHD46		SPB.S	-	S082	TS2CC-28	46	082-2		CS-S082-2	HSSVMCB1	27	312100 P003	004	1S	1S
-																
029	SPIRE PMW Ch45 to 48 . 47+		SPB.S	-	S082	TS2CC-28	47	082-3			HSSVMCB1	27	312100 P003	016	1S	1S
013	SPIRE PMW Ch45 to 48 . 47-		SPB.S	-	S082	TS2CC-28	47	082-3			HSSVMCB1	27	312100 P003	027	1S	1S
046	SPIRE PMW Ch45 to 48 . SHD47		SPB.S	-	S082	TS2CC-28	47	082-3		CS-S082-3	HSSVMCB1	27	312100 P003	004	1S	1S
-																
030	SPIRE PMW Ch45 to 48 . 48+		SPB.S	-	S082	TS2CC-28	48	082-4			HSSVMCB1	27	312100 P003	040	1S	1S
014	SPIRE PMW Ch45 to 48 . 48-		SPB.S	-	S082	TS2CC-28	48	082-4			HSSVMCB1	27	312100 P003	039	1S	1S
047	SPIRE PMW Ch45 to 48 . SHD48		SPB.S	-	S082	TS2CC-28	48	082-4		CS-S082-4	HSSVMCB1	27	312100 P003	004	1S	1S
-																
031	SPIRE SSW PTC Ch's . 1+		S3D.2	-	S053	TS2CC-28	49	053-1			HSSVMCB1	27	312100 P01B	001	1S	1S 1S
015	SPIRE SSW PTC Ch's . 1-		S3D.2	-	S053	TS2CC-28	49	053-1			HSSVMCB1	27	312100 P01B	006	1S	1S 1S
048	SPIRE SSW PTC Ch's . SHD49		S3D.2	-	S053	TS2CC-28	49	053-1		CS-S053-1	HSSVMCB1	27	312100 P01B	002	1S	1S 1S
-																
032	SPIRE SSW PTC Ch's . 2+		S3D.2	-	S053	TS2CC-28	50	053-2			HSSVMCB1	27	312100 P01B	003	1S	1S 1S
016	SPIRE SSW PTC Ch's . 2-		S3D.2	-	S053	TS2CC-28	50	053-2			HSSVMCB1	27	312100 P01B	007	1S	1S 1S
049	SPIRE SSW PTC Ch's . SHD50		S3D.2	-	S053	TS2CC-28	50	053-2		CS-S053-2	HSSVMCB1	27	312100 P01B	008	1S	1S 1S
-																
033	SPIRE SSW PTC Ch's . 3+		S3D.2	-	S053	TS2CC-28	51	053-3			HSSVMCB1	27	312100 P01B	004	1S	1S 1S
017	SPIRE SSW PTC Ch's . 3-		S3D.2	-	S053	TS2CC-28	51	053-3			HSSVMCB1	27	312100 P01B	005	1S	1S 1S
050	SPIRE SSW PTC Ch's . SHD51		S3D.2	-	S053	TS2CC-28	51	053-3		CS-S053-3	HSSVMCB1	27	312100 P01B	008	1S	1S 1S
-																
009	SPIRE PMW B04 GND Wire A4		SPX.-	-	S444	010B0-30					HSSVMCB1	27	312100 P003	004	1S	1S
-																1S

Pin Allocation List (Harness)

Connector: 122300 P022
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P021
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch 20 . 20+		SPB.3 -		S73A	TS2CC-28	20				HSSVMCB1	27	312100 P003	088	1S 1S
018	SPIRE PMW Ch 20 . 20-		SPB.3 -		S73A	TS2CC-28	20				HSSVMCB1	27	312100 P003	089	1S 1S
034	SPIRE PMW Ch 20 . SHD20		SPB.3 -		S73A	TS2CC-28	20		CS-S73A		HSSVMCB1	27	312100 P003	128	1S 1S
-															
002	SPIRE PMW Ch21 to 24 . 21+		SPB.S -		S074	TS2CC-28	21	074-1			HSSVMCB1	27	312100 P003	099	1S 1S
019	SPIRE PMW Ch21 to 24 . 21-		SPB.S -		S074	TS2CC-28	21	074-1			HSSVMCB1	27	312100 P003	100	1S 1S
035	SPIRE PMW Ch21 to 24 . SHD21		SPB.S -		S074	TS2CC-28	21	074-1	CS-S074-1		HSSVMCB1	27	312100 P003	128	1S 1S
-															
003	SPIRE PMW Ch21 to 24 . 22+		SPB.S -		S074	TS2CC-28	22	074-2			HSSVMCB1	27	312100 P003	110	1S 1S
020	SPIRE PMW Ch21 to 24 . 22-		SPB.S -		S074	TS2CC-28	22	074-2			HSSVMCB1	27	312100 P003	111	1S 1S
036	SPIRE PMW Ch21 to 24 . SHD22		SPB.S -		S074	TS2CC-28	22	074-2	CS-S074-2		HSSVMCB1	27	312100 P003	128	1S 1S
-															
004	SPIRE PMW Ch21 to 24 . 23+		SPB.S -		S074	TS2CC-28	23	074-3			HSSVMCB1	27	312100 P003	118	1S 1S
021	SPIRE PMW Ch21 to 24 . 23-		SPB.S -		S074	TS2CC-28	23	074-3			HSSVMCB1	27	312100 P003	119	1S 1S
037	SPIRE PMW Ch21 to 24 . SHD23		SPB.S -		S074	TS2CC-28	23	074-3	CS-S074-3		HSSVMCB1	27	312100 P003	128	1S 1S
-															
005	SPIRE PMW Ch21 to 24 . 24+		SPB.S -		S074	TS2CC-28	24	074-4			HSSVMCB1	27	312100 P003	112	1S 1S
022	SPIRE PMW Ch21 to 24 . 24-		SPB.S -		S074	TS2CC-28	24	074-4			HSSVMCB1	27	312100 P003	120	1S 1S
038	SPIRE PMW Ch21 to 24 . SHD24		SPB.S -		S074	TS2CC-28	24	074-4	CS-S074-4		HSSVMCB1	27	312100 P003	128	1S 1S
-															
006	SPIRE PMW Ch25 to 28 . 25+		SPB.S -		S076	TS2CC-28	25	076-1			HSSVMCB1	27	312100 P003	090	1S 1S
023	SPIRE PMW Ch25 to 28 . 25-		SPB.S -		S076	TS2CC-28	25	076-1			HSSVMCB1	27	312100 P003	079	1S 1S
039	SPIRE PMW Ch25 to 28 . SHD25		SPB.S -		S076	TS2CC-28	25	076-1	CS-S076-1		HSSVMCB1	27	312100 P003	128	1S 1S
-															
007	SPIRE PMW Ch25 to 28 . 26+		SPB.S -		S076	TS2CC-28	26	076-2			HSSVMCB1	27	312100 P003	102	1S 1S
024	SPIRE PMW Ch25 to 28 . 26-		SPB.S -		S076	TS2CC-28	26	076-2			HSSVMCB1	27	312100 P003	101	1S 1S
040	SPIRE PMW Ch25 to 28 . SHD26		SPB.S -		S076	TS2CC-28	26	076-2	CS-S076-2		HSSVMCB1	27	312100 P003	128	1S 1S
-															
008	SPIRE PMW Ch25 to 28 . 27+		SPB.S -		S076	TS2CC-28	27	076-3			HSSVMCB1	27	312100 P003	092	1S 1S
025	SPIRE PMW Ch25 to 28 . 27-		SPB.S -		S076	TS2CC-28	27	076-3			HSSVMCB1	27	312100 P003	091	1S 1S
041	SPIRE PMW Ch25 to 28 . SHD27		SPB.S -		S076	TS2CC-28	27	076-3	CS-S076-3		HSSVMCB1	27	312100 P003	128	1S 1S
-															
026	SPIRE PMW Ch25 to 28 . 28+		SPB.S -		S076	TS2CC-28	28	076-4			HSSVMCB1	27	312100 P003	103	1S 1S
010	SPIRE PMW Ch25 to 28 . 28-		SPB.S -		S076	TS2CC-28	28	076-4			HSSVMCB1	27	312100 P003	113	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P021
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch25 to 28 . SHD28		SPB.S	-	S076	TS2CC-28	28	076-4		CS-S076-4	HSSVMCB1	27	312100 P003	128	1S	1S
-																
027	SPIRE PMW Ch29 to 32 . 29+		SPB.5	-	S077	TS2CC-28	29	077-1			HSSVMCB1	27	312100 P003	058	1S	1S
011	SPIRE PMW Ch29 to 32 . 29-		SPB.5	-	S077	TS2CC-28	29	077-1			HSSVMCB1	27	312100 P003	046	1S	1S
044	SPIRE PMW Ch29 to 32 . SHD29		SPB.5	-	S077	TS2CC-28	29	077-1		CS-S077-1	HSSVMCB1	27	312100 P003	128	1S	1S
-																
028	SPIRE PMW Ch29 to 32 . 30+		SPB.5	-	S077	TS2CC-28	30	077-2			HSSVMCB1	27	312100 P003	068	1S	1S
012	SPIRE PMW Ch29 to 32 . 30-		SPB.5	-	S077	TS2CC-28	30	077-2			HSSVMCB1	27	312100 P003	057	1S	1S
045	SPIRE PMW Ch29 to 32 . SHD30		SPB.5	-	S077	TS2CC-28	30	077-2		CS-S077-2	HSSVMCB1	27	312100 P003	128	1S	1S
-																
029	SPIRE PMW Ch29 to 32 . 31+		SPB.5	-	S077	TS2CC-28	31	077-3			HSSVMCB1	27	312100 P003	069	1S	1S
013	SPIRE PMW Ch29 to 32 . 31-		SPB.5	-	S077	TS2CC-28	31	077-3			HSSVMCB1	27	312100 P003	080	1S	1S
046	SPIRE PMW Ch29 to 32 . SHD31		SPB.5	-	S077	TS2CC-28	31	077-3		CS-S077-3	HSSVMCB1	27	312100 P003	128	1S	1S
-																
030	SPIRE PMW Ch29 to 32 . 32+		SPB.5	-	S077	TS2CC-28	32	077-4			HSSVMCB1	27	312100 P003	070	1S	1S
014	SPIRE PMW Ch29 to 32 . 32-		SPB.5	-	S077	TS2CC-28	32	077-4			HSSVMCB1	27	312100 P003	081	1S	1S
047	SPIRE PMW Ch29 to 32 . SHD32		SPB.5	-	S077	TS2CC-28	32	077-4		CS-S077-4	HSSVMCB1	27	312100 P003	128	1S	1S
-																
031	SPIRE PMW Ch33 to 35 . 33+		SPB.S	-	S078	TS2CC-28	33	078-1			HSSVMCB1	27	312100 P003	023	1S	1S
015	SPIRE PMW Ch33 to 35 . 33-		SPB.S	-	S078	TS2CC-28	33	078-1			HSSVMCB1	27	312100 P003	034	1S	1S
048	SPIRE PMW Ch33 to 35 . SHD33		SPB.S	-	S078	TS2CC-28	33	078-1		CS-S078-1	HSSVMCB1	27	312100 P003	004	1S	1S
-																
032	SPIRE PMW Ch33 to 35 . 34+		SPB.S	-	S078	TS2CC-28	34	078-2			HSSVMCB1	27	312100 P003	033	1S	1S
016	SPIRE PMW Ch33 to 35 . 34-		SPB.S	-	S078	TS2CC-28	34	078-2			HSSVMCB1	27	312100 P003	045	1S	1S
049	SPIRE PMW Ch33 to 35 . SHD34		SPB.S	-	S078	TS2CC-28	34	078-2		CS-S078-2	HSSVMCB1	27	312100 P003	004	1S	1S
-																
033	SPIRE PMW Ch33 to 35 . 35+		SPB.S	-	S078	TS2CC-28	35	078-3			HSSVMCB1	27	312100 P003	044	1S	1S
017	SPIRE PMW Ch33 to 35 . 35-		SPB.S	-	S078	TS2CC-28	35	078-3			HSSVMCB1	27	312100 P003	056	1S	1S
050	SPIRE PMW Ch33 to 35 . SHD35		SPB.S	-	S078	TS2CC-28	35	078-3		CS-S078-3	HSSVMCB1	27	312100 P003	004	1S	1S
-																
009	SPIRE PMW B04 GND Wire A2		SPX.-	-	S442	010B0-30					HSSVMCB1	27	312100 P003	128	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P021
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield /IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P020
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch01 to 04 . 1+		SPB.S -		S067	TS2CC-28	1	067-1			HSSVMCB1	27	312100 P003	026	1S 1S
018	SPIRE PMW Ch01 to 04 . 1-		SPB.S -		S067	TS2CC-28	1	067-1			HSSVMCB1	27	312100 P003	037	1S 1S
034	SPIRE PMW Ch01 to 04 . SHD01		SPB.S -		S067	TS2CC-28	1	067-1	CS-S067-1		HSSVMCB1	27	312100 P003	036	1S 1S
-															
002	SPIRE PMW Ch01 to 04 . 2+		SPB.S -		S067	TS2CC-28	2	067-2			HSSVMCB1	27	312100 P003	038	1S 1S
019	SPIRE PMW Ch01 to 04 . 2-		SPB.S -		S067	TS2CC-28	2	067-2			HSSVMCB1	27	312100 P003	049	1S 1S
035	SPIRE PMW Ch01 to 04 . SHD02		SPB.S -		S067	TS2CC-28	2	067-2	CS-S067-2		HSSVMCB1	27	312100 P003	036	1S 1S
-															
003	SPIRE PMW Ch01 to 04 . 3+		SPB.S -		S067	TS2CC-28	3	067-3			HSSVMCB1	27	312100 P003	048	1S 1S
020	SPIRE PMW Ch01 to 04 . 3-		SPB.S -		S067	TS2CC-28	3	067-3			HSSVMCB1	27	312100 P003	060	1S 1S
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.S -		S067	TS2CC-28	3	067-3	CS-S067-3		HSSVMCB1	27	312100 P003	036	1S 1S
-															
004	SPIRE PMW Ch01 to 04 . 4+		SPB.S -		S067	TS2CC-28	4	067-4			HSSVMCB1	27	312100 P003	059	1S 1S
021	SPIRE PMW Ch01 to 04 . 4-		SPB.S -		S067	TS2CC-28	4	067-4			HSSVMCB1	27	312100 P003	071	1S 1S
037	SPIRE PMW Ch01 to 04 . SHD04		SPB.S -		S067	TS2CC-28	4	067-4	CS-S067-4		HSSVMCB1	27	312100 P003	036	1S 1S
-															
005	SPIRE PMW Ch05 to 08 . 5+		SPB.S -		S068	TS2CC-28	5	068-1			HSSVMCB1	27	312100 P003	050	1S 1S
022	SPIRE PMW Ch05 to 08 . 5-		SPB.S -		S068	TS2CC-28	5	068-1			HSSVMCB1	27	312100 P003	061	1S 1S
038	SPIRE PMW Ch05 to 08 . SHD05		SPB.S -		S068	TS2CC-28	5	068-1	CS-S068-1		HSSVMCB1	27	312100 P003	036	1S 1S
-															
006	SPIRE PMW Ch05 to 08 . 6+		SPB.S -		S068	TS2CC-28	6	068-2			HSSVMCB1	27	312100 P003	062	1S 1S
023	SPIRE PMW Ch05 to 08 . 6-		SPB.S -		S068	TS2CC-28	6	068-2			HSSVMCB1	27	312100 P003	051	1S 1S
039	SPIRE PMW Ch05 to 08 . SHD06		SPB.S -		S068	TS2CC-28	6	068-2	CS-S068-2		HSSVMCB1	27	312100 P003	036	1S 1S
-															
007	SPIRE PMW Ch05 to 08 . 7+		SPB.S -		S068	TS2CC-28	7	068-3			HSSVMCB1	27	312100 P003	063	1S 1S
024	SPIRE PMW Ch05 to 08 . 7-		SPB.S -		S068	TS2CC-28	7	068-3			HSSVMCB1	27	312100 P003	075	1S 1S
040	SPIRE PMW Ch05 to 08 . SHD07		SPB.S -		S068	TS2CC-28	7	068-3	CS-S068-3		HSSVMCB1	27	312100 P003	036	1S 1S
-															
008	SPIRE PMW Ch05 to 08 . 8+		SPB.S -		S068	TS2CC-28	8	068-4			HSSVMCB1	27	312100 P003	074	1S 1S
025	SPIRE PMW Ch05 to 08 . 8-		SPB.S -		S068	TS2CC-28	8	068-4			HSSVMCB1	27	312100 P003	073	1S 1S
041	SPIRE PMW Ch05 to 08 . SHD08		SPB.S -		S068	TS2CC-28	8	068-4	CS-S068-4		HSSVMCB1	27	312100 P003	036	1S 1S
-															
026	SPIRE PMW Ch09 to 12 . 9+		SPB.3 -		S069	TS2CC-28	9	069-1			HSSVMCB1	27	312100 P003	083	1S 1S
010	SPIRE PMW Ch09 to 12 . 9-		SPB.3 -		S069	TS2CC-28	9	069-1			HSSVMCB1	27	312100 P003	072	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P020
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch09 to 12 . SHD09		SPB.3	-	S069	TS2CC-28	9	069-1		CS-S069-1	HSSVMCB1	27	312100 P003	036	1S	1S
-																1S
027	SPIRE PMW Ch 13 to 16 . 13+		SPB.S	-	S072	TS2CC-28	13	072-1			HSSVMCB1	27	312100 P003	086	1S	1S
011	SPIRE PMW Ch 13 to 16 . 13-		SPB.S	-	S072	TS2CC-28	13	072-1			HSSVMCB1	27	312100 P003	087	1S	1S
044	SPIRE PMW Ch 13 to 16 . SHD13		SPB.S	-	S072	TS2CC-28	13	072-1		CS-S072-1	HSSVMCB1	27	312100 P003	036	1S	1S
-																
028	SPIRE PMW Ch 13 to 16 . 14+		SPB.S	-	S072	TS2CC-28	14	072-2			HSSVMCB1	27	312100 P003	097	1S	1S
012	SPIRE PMW Ch 13 to 16 . 14-		SPB.S	-	S072	TS2CC-28	14	072-2			HSSVMCB1	27	312100 P003	098	1S	1S
045	SPIRE PMW Ch 13 to 16 . SHD14		SPB.S	-	S072	TS2CC-28	14	072-2		CS-S072-2	HSSVMCB1	27	312100 P003	036	1S	1S
-																
029	SPIRE PMW Ch 13 to 16 . 15+		SPB.S	-	S072	TS2CC-28	15	072-3			HSSVMCB1	27	312100 P003	108	1S	1S
013	SPIRE PMW Ch 13 to 16 . 15-		SPB.S	-	S072	TS2CC-28	15	072-3			HSSVMCB1	27	312100 P003	109	1S	1S
046	SPIRE PMW Ch 13 to 16 . SHD15		SPB.S	-	S072	TS2CC-28	15	072-3		CS-S072-3	HSSVMCB1	27	312100 P003	036	1S	1S
-																
030	SPIRE PMW Ch 13 to 16 . 16+		SPB.S	-	S072	TS2CC-28	16	072-4			HSSVMCB1	27	312100 P003	116	1S	1S
014	SPIRE PMW Ch 13 to 16 . 16-		SPB.S	-	S072	TS2CC-28	16	072-4			HSSVMCB1	27	312100 P003	117	1S	1S
047	SPIRE PMW Ch 13 to 16 . SHD16		SPB.S	-	S072	TS2CC-28	16	072-4		CS-S072-4	HSSVMCB1	27	312100 P003	036	1S	1S
-																
009	SPIRE PMW B04 GND WIRE A1		SPX.-	-	S441	010B0-30					HSSVMCB1	27	312100 P003	036	1S	1S
-																1S
031	SPIRE PMW Ch17 to 19 . 17+		SPB.5	-	S073	TS2CC-28	17	073-1			HSSVMCB1	27	312100 P003	055	1S	1S
015	SPIRE PMW Ch17 to 19 . 17-		SPB.5	-	S073	TS2CC-28	17	073-1			HSSVMCB1	27	312100 P003	066	1S	1S
048	SPIRE PMW Ch17 to 19 . SHD17		SPB.5	-	S073	TS2CC-28	17	073-1		CS-S073-1	HSSVMCB1	27	312100 P003	128	1S	1S
-																
032	SPIRE PMW Ch17 to 19 . 18+		SPB.5	-	S073	TS2CC-28	18	073-2			HSSVMCB1	27	312100 P003	067	1S	1S
016	SPIRE PMW Ch17 to 19 . 18-		SPB.5	-	S073	TS2CC-28	18	073-2			HSSVMCB1	27	312100 P003	078	1S	1S
049	SPIRE PMW Ch17 to 19 . SHD18		SPB.5	-	S073	TS2CC-28	18	073-2		CS-S073-2	HSSVMCB1	27	312100 P003	128	1S	1S
-																
033	SPIRE PMW Ch17 to 19 . 19+		SPB.5	-	S073	TS2CC-28	19	073-3			HSSVMCB1	27	312100 P003	076	1S	1S
017	SPIRE PMW Ch17 to 19 . 19-		SPB.5	-	S073	TS2CC-28	19	073-3			HSSVMCB1	27	312100 P003	077	1S	1S
050	SPIRE PMW Ch17 to 19 . SHD19		SPB.5	-	S073	TS2CC-28	19	073-3		CS-S073-3	HSSVMCB1	27	312100 P003	128	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P020
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List (Harness)

Connector: 312100 P01B
Item: HSSVMCB1

Function / Bundle: Spire Bundle 02/04 Link B SIH-XS-04

Conn.-Type: SCC340100201BDEMA9PNMBFO
Backshell: CA-04-09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SSW PTC Ch's . 1+		S3D.2 -		S053	TS2CC-28	49				HSDCU	17	122300 P022	031	1S 1S 1S
006	SPIRE SSW PTC Ch's . 1-		S3D.2 -		S053	TS2CC-28	49				HSDCU	17	122300 P022	015	1S 1S 1S
002	SPIRE SSW PTC Ch's . SHD49		S3D.2 -		S053	TS2CC-28	49		CS-S053-1		HSDCU	17	122300 P022	048	1S 1S 1S
-															1S
003	SPIRE SSW PTC Ch's . 2+		S3D.2 -		S053	TS2CC-28	50				HSDCU	17	122300 P022	032	1S 1S 1S
007	SPIRE SSW PTC Ch's . 2-		S3D.2 -		S053	TS2CC-28	50				HSDCU	17	122300 P022	016	1S 1S 1S
008	SPIRE SSW PTC Ch's . SHD50		S3D.2 -		S053	TS2CC-28	50		CS-S053-2 / con to pin 002		HSDCU	17	122300 P022	049	1S 1S 1S
-															
-															
004	SPIRE SSW PTC Ch's . 3+		S3D.2 -		S053	TS2CC-28	51				HSDCU	17	122300 P022	033	1S 1S 1S
005	SPIRE SSW PTC Ch's . 3-		S3D.2 -		S053	TS2CC-28	51				HSDCU	17	122300 P022	017	1S 1S 1S
008	SPIRE SSW PTC Ch's . SHD51		S3D.2 -		S053	TS2CC-28	51		CS-S053-3 / con to pin 002		HSDCU	17	122300 P022	050	1S 1S 1S
-															
008	interconnection Star Pin								Star Pin for Shield Interconnection						1S
002	to be con to pin 008														1S
-															1S
009	to be con as part of FCR (single pin !)								Faraday Cage Ring (FCR) (single pin !)						1S
-															
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall shield (OOS)								Insulation required between IOS and OOS						1S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 495 (of 666)

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Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PMW Ch01-04 . 1+		SPB.S -		S085	TS2CC-28	1	085-1		HSDCU	17	122300 P017	001	1S	1S
037	SPIRE PMW Ch01-04 . 1-		SPB.S -		S085	TS2CC-28	1	085-1		HSDCU	17	122300 P017	018	1S	1S
036	SPIRE PMW Ch01-04 . SHD01		SPB.S -		S085	TS2CC-28	1	085-1	CS-S085-1	HSDCU	17	122300 P017	034	1S	1S
-															
038	SPIRE PMW Ch01-04 . 2+		SPB.S -		S085	TS2CC-28	2	085-2		HSDCU	17	122300 P017	002	1S	1S
049	SPIRE PMW Ch01-04 . 2-		SPB.S -		S085	TS2CC-28	2	085-2		HSDCU	17	122300 P017	019	1S	1S
036	SPIRE PMW Ch01-04 . SHD02		SPB.S -		S085	TS2CC-28	2	085-2	CS-S085-2	HSDCU	17	122300 P017	035	1S	1S
-															
048	SPIRE PMW Ch01-04 . 3+		SPB.S -		S085	TS2CC-28	3	085-3		HSDCU	17	122300 P017	003	1S	1S
060	SPIRE PMW Ch01-04 . 3-		SPB.S -		S085	TS2CC-28	3	085-3		HSDCU	17	122300 P017	020	1S	1S
036	SPIRE PMW Ch01-04 . SHD03		SPB.S -		S085	TS2CC-28	3	085-3	CS-S085-3	HSDCU	17	122300 P017	036	1S	1S
-															
059	SPIRE PMW Ch01-04 . 4+		SPB.S -		S085	TS2CC-28	4	085-4		HSDCU	17	122300 P017	004	1S	1S
071	SPIRE PMW Ch01-04 . 4-		SPB.S -		S085	TS2CC-28	4	085-4		HSDCU	17	122300 P017	021	1S	1S
036	SPIRE PMW Ch01-04 . SHD04		SPB.S -		S085	TS2CC-28	4	085-4	CS-S085-4	HSDCU	17	122300 P017	037	1S	1S
-															
050	SPIRE PMW Ch05-08 . 5+		SPB.S -		S086	TS2CC-28	5	086-1		HSDCU	17	122300 P017	005	1S	1S
061	SPIRE PMW Ch05-08 . 5-		SPB.S -		S086	TS2CC-28	5	086-1		HSDCU	17	122300 P017	022	1S	1S
036	SPIRE PMW Ch05-08 . SHD05		SPB.S -		S086	TS2CC-28	5	086-1	CS-S086-1	HSDCU	17	122300 P017	038	1S	1S
-															
062	SPIRE PMW Ch05-08 . 6+		SPB.S -		S086	TS2CC-28	6	086-2		HSDCU	17	122300 P017	006	1S	1S
051	SPIRE PMW Ch05-08 . 6-		SPB.S -		S086	TS2CC-28	6	086-2		HSDCU	17	122300 P017	023	1S	1S
036	SPIRE PMW Ch05-08 . SHD06		SPB.S -		S086	TS2CC-28	6	086-2	CS-S086-2	HSDCU	17	122300 P017	039	1S	1S
-															
063	SPIRE PMW Ch05-08 . 7+		SPB.S -		S086	TS2CC-28	7	086-3		HSDCU	17	122300 P017	007	1S	1S
075	SPIRE PMW Ch05-08 . 7-		SPB.S -		S086	TS2CC-28	7	086-3		HSDCU	17	122300 P017	024	1S	1S
036	SPIRE PMW Ch05-08 . SHD07		SPB.S -		S086	TS2CC-28	7	086-3	CS-S086-3	HSDCU	17	122300 P017	040	1S	1S
-															
074	SPIRE PMW Ch05-08 . 8+		SPB.S -		S086	TS2CC-28	8	086-4		HSDCU	17	122300 P017	008	1S	1S
073	SPIRE PMW Ch05-08 . 8-		SPB.S -		S086	TS2CC-28	8	086-4		HSDCU	17	122300 P017	025	1S	1S
036	SPIRE PMW Ch05-08 . SHD08		SPB.S -		S086	TS2CC-28	8	086-4	CS-S086-4	HSDCU	17	122300 P017	041	1S	1S
-															
083	SPIRE PMW Ch09-12 . 9+		SPB.S -		S087	TS2CC-28	9	087-1		HSDCU	17	122300 P017	026	1S	1S
072	SPIRE PMW Ch09-12 . 9-		SPB.S -		S087	TS2CC-28	9	087-1		HSDCU	17	122300 P017	010	1S	1S

Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PMW Ch09-12 . SHD09		SPB.S -		S087	TS2CC-28	9	087-1	CS-S087-1	HSDCU	17	122300 P017	043	1S	1S	
-																
095	SPIRE PMW Ch09-12 . 10+		SPB.S -		S087	TS2CC-28	10	087-2		HSDCU	17	122300 P017	027	1S	1S	
084	SPIRE PMW Ch09-12 . 10-		SPB.S -		S087	TS2CC-28	10	087-2		HSDCU	17	122300 P017	011	1S	1S	
036	SPIRE PMW Ch09-12 . SHD10		SPB.S -		S087	TS2CC-28	10	087-2	CS-S087-2	HSDCU	17	122300 P017	044	1S	1S	
-																
096	SPIRE PMW Ch09-12 . 11+		SPB.S -		S087	TS2CC-28	11	087-3		HSDCU	17	122300 P017	028	1S	1S	
085	SPIRE PMW Ch09-12 . 11-		SPB.S -		S087	TS2CC-28	11	087-3		HSDCU	17	122300 P017	012	1S	1S	
036	SPIRE PMW Ch09-12 . SHD11		SPB.S -		S087	TS2CC-28	11	087-3	CS-S087-3	HSDCU	17	122300 P017	045	1S	1S	
-																
106	SPIRE PMW Ch09-12 . 12+		SPB.S -		S087	TS2CC-28	12	087-4		HSDCU	17	122300 P017	029	1S	1S	
107	SPIRE PMW Ch09-12 . 12-		SPB.S -		S087	TS2CC-28	12	087-4		HSDCU	17	122300 P017	013	1S	1S	
036	SPIRE PMW Ch09-12 . SHD12		SPB.S -		S087	TS2CC-28	12	087-4	CS-S087-4	HSDCU	17	122300 P017	046	1S	1S	
-																
086	SPIRE PMW Ch13-16 . 13+		SPB.S -		S090	TS2CC-28	13	090-1		HSDCU	17	122300 P017	030	1S	1S	
087	SPIRE PMW Ch13-16 . 13-		SPB.S -		S090	TS2CC-28	13	090-1		HSDCU	17	122300 P017	014	1S	1S	
036	SPIRE PMW Ch13-16 . SHD13		SPB.S -		S090	TS2CC-28	13	090-1	CS-S090-1	HSDCU	17	122300 P017	047	1S	1S	
-																
097	SPIRE PMW Ch13-16 . 14+		SPB.S -		S090	TS2CC-28	14	090-2		HSDCU	17	122300 P017	031	1S	1S	
098	SPIRE PMW Ch13-16 . 14-		SPB.S -		S090	TS2CC-28	14	090-2		HSDCU	17	122300 P017	015	1S	1S	
036	SPIRE PMW Ch13-16 . SHD14		SPB.S -		S090	TS2CC-28	14	090-2	CS-S090-2	HSDCU	17	122300 P017	048	1S	1S	
-																
108	SPIRE PMW Ch13-16 . 15+		SPB.S -		S090	TS2CC-28	15	090-3		HSDCU	17	122300 P017	032	1S	1S	
109	SPIRE PMW Ch13-16 . 15-		SPB.S -		S090	TS2CC-28	15	090-3		HSDCU	17	122300 P017	016	1S	1S	
036	SPIRE PMW Ch13-16 . SHD15		SPB.S -		S090	TS2CC-28	15	090-3	CS-S090-3	HSDCU	17	122300 P017	049	1S	1S	
-																
116	SPIRE PMW Ch13-16 . 16+		SPB.S -		S090	TS2CC-28	16	090-4		HSDCU	17	122300 P017	033	1S	1S	
117	SPIRE PMW Ch13-16 . 16-		SPB.S -		S090	TS2CC-28	16	090-4		HSDCU	17	122300 P017	017	1S	1S	
036	SPIRE PMW Ch13-16 . SHD16		SPB.S -		S090	TS2CC-28	16	090-4	CS-S090-4	HSDCU	17	122300 P017	050	1S	1S	
-																
036	SPIRE PMW B05 GND WIRE A1		SPX.S -		S451	T01C0-26				HSDCU	17	122300 P017	009	1S	1S	
-																
055	SPIRE PMW Ch17-20 . 17+		SPB.S -		S091	TS2CC-28	17	091-1		HSDCU	17	122300 P018	001	1S	1S	
066	SPIRE PMW Ch17-20 . 17-		SPB.S -		S091	TS2CC-28	17	091-1		HSDCU	17	122300 P018	018	1S	1S	

Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PMW Ch17-20 . SHD17		SPB.S -		S091	TS2CC-28	17	091-1	CS-S091-1	HSDCU	17	122300 P018	034	1S	1S	
-																
067	SPIRE PMW Ch17-20 . 18+		SPB.S -		S091	TS2CC-28	18	091-2		HSDCU	17	122300 P018	002	1S	1S	
078	SPIRE PMW Ch17-20 . 18-		SPB.S -		S091	TS2CC-28	18	091-2		HSDCU	17	122300 P018	019	1S	1S	
128	SPIRE PMW Ch17-20 . SHD18		SPB.S -		S091	TS2CC-28	18	091-2	CS-S091-2	HSDCU	17	122300 P018	035	1S	1S	
-																
076	SPIRE PMW Ch17-20 . 19+		SPB.S -		S091	TS2CC-28	19	091-3		HSDCU	17	122300 P018	003	1S	1S	
077	SPIRE PMW Ch17-20 . 19-		SPB.S -		S091	TS2CC-28	19	091-3		HSDCU	17	122300 P018	020	1S	1S	
128	SPIRE PMW Ch17-20 . SHD19		SPB.S -		S091	TS2CC-28	19	091-3	CS-S091-3	HSDCU	17	122300 P018	036	1S	1S	
-																
088	SPIRE PMW Ch17-20 . 20+		SPB.S -		S091	TS2CC-28	20	091-4		HSDCU	17	122300 P018	004	1S	1S	
089	SPIRE PMW Ch17-20 . 20-		SPB.S -		S091	TS2CC-28	20	091-4		HSDCU	17	122300 P018	021	1S	1S	
128	SPIRE PMW Ch17-20 . SHD20		SPB.S -		S091	TS2CC-28	20	091-4	CS-S091-4	HSDCU	17	122300 P018	037	1S	1S	
-																
099	SPIRE PMW Ch21-24 . 21+		SPB.S -		S092	TS2CC-28	21	092-1		HSDCU	17	122300 P018	005	1S	1S	
100	SPIRE PMW Ch21-24 . 21-		SPB.S -		S092	TS2CC-28	21	092-1		HSDCU	17	122300 P018	022	1S	1S	
128	SPIRE PMW Ch21-24 . SHD21		SPB.S -		S092	TS2CC-28	21	092-1	CS-S092-1	HSDCU	17	122300 P018	038	1S	1S	
-														1S		
110	SPIRE PMW Ch21-24 . 22+		SPB.S -		S092	TS2CC-28	22	092-2		HSDCU	17	122300 P018	006	1S	1S	
111	SPIRE PMW Ch21-24 . 22-		SPB.S -		S092	TS2CC-28	22	092-2		HSDCU	17	122300 P018	023	1S	1S	
128	SPIRE PMW Ch21-24 . SHD22		SPB.S -		S092	TS2CC-28	22	092-2	CS-S092-2	HSDCU	17	122300 P018	039	1S	1S	
-																
118	SPIRE PMW Ch21-24 . 23+		SPB.S -		S092	TS2CC-28	23	092-3		HSDCU	17	122300 P018	007	1S	1S	
119	SPIRE PMW Ch21-24 . 23-		SPB.S -		S092	TS2CC-28	23	092-3		HSDCU	17	122300 P018	024	1S	1S	
128	SPIRE PMW Ch21-24 . SHD23		SPB.S -		S092	TS2CC-28	23	092-3	CS-S092-3	HSDCU	17	122300 P018	040	1S	1S	
-																
112	SPIRE PMW Ch21-24 . 24+		SPB.S -		S092	TS2CC-28	24	092-4		HSDCU	17	122300 P018	008	1S	1S	
120	SPIRE PMW Ch21-24 . 24-		SPB.S -		S092	TS2CC-28	24	092-4		HSDCU	17	122300 P018	025	1S	1S	
128	SPIRE PMW Ch21-24 . SHD24		SPB.S -		S092	TS2CC-28	24	092-4	CS-S092-4	HSDCU	17	122300 P018	041	1S	1S	
-																
090	SPIRE PMW Ch25-28 . 25+		SPB.S -		S094	TS2CC-28	25	094-1		HSDCU	17	122300 P018	026	1S	1S	
079	SPIRE PMW Ch25-28 . 25-		SPB.S -		S094	TS2CC-28	25	094-1		HSDCU	17	122300 P018	010	1S	1S	
128	SPIRE PMW Ch25-28 . SHD25		SPB.S -		S094	TS2CC-28	25	094-1	CS-S094-1	HSDCU	17	122300 P018	043	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
102	SPIRE PMW Ch25-28 . 26+		SPB.S -		S094	TS2CC-28	26	094-2		HSDCU	17	122300 P018	027	1S	1S	
101	SPIRE PMW Ch25-28 . 26-		SPB.S -		S094	TS2CC-28	26	094-2		HSDCU	17	122300 P018	011	1S	1S	
128	SPIRE PMW Ch25-28 . SHD26		SPB.S -		S094	TS2CC-28	26	094-2	CS-S094-2	HSDCU	17	122300 P018	044	1S	1S	
-																
092	SPIRE PMW Ch25-28 . 27+		SPB.S -		S094	TS2CC-28	27	094-3		HSDCU	17	122300 P018	028	1S	1S	
091	SPIRE PMW Ch25-28 . 27-		SPB.S -		S094	TS2CC-28	27	094-3		HSDCU	17	122300 P018	012	1S	1S	
128	SPIRE PMW Ch25-28 . SHD27		SPB.S -		S094	TS2CC-28	27	094-3	CS-S094-3	HSDCU	17	122300 P018	045	1S	1S	
-																
103	SPIRE PMW Ch25-28 . 28+		SPB.S -		S094	TS2CC-28	28	094-4		HSDCU	17	122300 P018	029	1S	1S	
113	SPIRE PMW Ch25-28 . 28-		SPB.S -		S094	TS2CC-28	28	094-4		HSDCU	17	122300 P018	013	1S	1S	
128	SPIRE PMW Ch25-28 . SHD28		SPB.S -		S094	TS2CC-28	28	094-4	CS-S094-4	HSDCU	17	122300 P018	046	1S	1S	
-																
058	SPIRE PMW Ch29-32 . 29+		SPB.S -		S095	TS2CC-28	29	095-1		HSDCU	17	122300 P018	030	1S	1S	
046	SPIRE PMW Ch29-32 . 29-		SPB.S -		S095	TS2CC-28	29	095-1		HSDCU	17	122300 P018	014	1S	1S	
128	SPIRE PMW Ch29-32 . SHD29		SPB.S -		S095	TS2CC-28	29	095-1	CS-S095-1	HSDCU	17	122300 P018	047	1S	1S	
-																
068	SPIRE PMW Ch29-32 . 30+		SPB.S -		S095	TS2CC-28	30	095-2		HSDCU	17	122300 P018	031	1S	1S	
057	SPIRE PMW Ch29-32 . 30-		SPB.S -		S095	TS2CC-28	30	095-2		HSDCU	17	122300 P018	015	1S	1S	
128	SPIRE PMW Ch29-32 . SHD30		SPB.S -		S095	TS2CC-28	30	095-2	CS-S095-2	HSDCU	17	122300 P018	048	1S	1S	
-																
069	SPIRE PMW Ch29-32 . 31+		SPB.S -		S095	TS2CC-28	31	095-3		HSDCU	17	122300 P018	032	1S	1S	
080	SPIRE PMW Ch29-32 . 31-		SPB.S -		S095	TS2CC-28	31	095-3		HSDCU	17	122300 P018	016	1S	1S	
128	SPIRE PMW Ch29-32 . SHD31		SPB.S -		S095	TS2CC-28	31	095-3	CS-S095-3	HSDCU	17	122300 P018	049	1S	1S	
-																
070	SPIRE PMW Ch29-32 . 32+		SPB.S -		S095	TS2CC-28	32	095-4		HSDCU	17	122300 P018	033	1S	1S	
081	SPIRE PMW Ch29-32 . 32-		SPB.S -		S095	TS2CC-28	32	095-4		HSDCU	17	122300 P018	017	1S	1S	
128	SPIRE PMW Ch29-32 . SHD32		SPB.S -		S095	TS2CC-28	32	095-4	CS-S095-4	HSDCU	17	122300 P018	050	1S	1S	
-																
128	SPIRE PMW B05 GND WIRE A2		SPX.S -		S452	T01C0-26				HSDCU	17	122300 P018	009	1S	1S	
-																
023	SPIRE PMW Ch33-36 . 33+		SPB.S -		S096	TS2CC-28	33	096-1		HSDCU	17	122300 P019	001	1S	1S	
034	SPIRE PMW Ch33-36 . 33-		SPB.S -		S096	TS2CC-28	33	096-1		HSDCU	17	122300 P019	018	1S	1S	
004	SPIRE PMW Ch33-36 . SHD33		SPB.S -		S096	TS2CC-28	33	096-1	CS-S096-1	HSDCU	17	122300 P019	034	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PMW Ch33-36 . 34+		SPB.S -		S096	TS2CC-28	34	096-2			HSDCU	17	122300 P019	002	1S 1S
045	SPIRE PMW Ch33-36 . 34-		SPB.S -		S096	TS2CC-28	34	096-2			HSDCU	17	122300 P019	019	1S 1S
004	SPIRE PMW Ch33-36 . SHD34		SPB.S -		S096	TS2CC-28	34	096-2	CS-S096-2		HSDCU	17	122300 P019	035	1S 1S
-															
044	SPIRE PMW Ch33-36 . 35+		SPB.S -		S096	TS2CC-28	35	096-3			HSDCU	17	122300 P019	003	1S 1S
056	SPIRE PMW Ch33-36 . 35-		SPB.S -		S096	TS2CC-28	35	096-3			HSDCU	17	122300 P019	020	1S 1S
004	SPIRE PMW Ch33-36 . SHD35		SPB.S -		S096	TS2CC-28	35	096-3	CS-S096-3		HSDCU	17	122300 P019	036	1S 1S
-															
022	SPIRE PMW Ch33-36 . 36+		SPB.S -		S096	TS2CC-28	36	096-4			HSDCU	17	122300 P019	004	1S 1S
032	SPIRE PMW Ch33-36 . 36-		SPB.S -		S096	TS2CC-28	36	096-4			HSDCU	17	122300 P019	021	1S 1S
004	SPIRE PMW Ch33-36 . SHD36		SPB.S -		S096	TS2CC-28	36	096-4	CS-S096-4		HSDCU	17	122300 P019	037	1S 1S
-															
013	SPIRE PMW Ch37-40 . 37+		SPB.S -		S099	TS2CC-28	37	099-1			HSDCU	17	122300 P019	005	1S 1S
012	SPIRE PMW Ch37-40 . 37-		SPB.S -		S099	TS2CC-28	37	099-1			HSDCU	17	122300 P019	022	1S 1S
004	SPIRE PMW Ch37-40 . SHD37		SPB.S -		S099	TS2CC-28	37	099-1	CS-S099-1		HSDCU	17	122300 P019	038	1S 1S
-															
021	SPIRE PMW Ch37-40 . 38+		SPB.S -		S099	TS2CC-28	38	099-2			HSDCU	17	122300 P019	006	1S 1S
020	SPIRE PMW Ch37-40 . 38-		SPB.S -		S099	TS2CC-28	38	099-2			HSDCU	17	122300 P019	023	1S 1S
004	SPIRE PMW Ch37-40 . SHD38		SPB.S -		S099	TS2CC-28	38	099-2	CS-S099-2		HSDCU	17	122300 P019	039	1S 1S
-															
031	SPIRE PMW Ch37-40 . 39+		SPB.S -		S099	TS2CC-28	39	099-3			HSDCU	17	122300 P019	007	1S 1S
043	SPIRE PMW Ch37-40 . 39-		SPB.S -		S099	TS2CC-28	39	099-3			HSDCU	17	122300 P019	024	1S 1S
004	SPIRE PMW Ch37-40 . SHD39		SPB.S -		S099	TS2CC-28	39	099-3	CS-S099-3		HSDCU	17	122300 P019	040	1S 1S
-															
042	SPIRE PMW Ch37-40 . 40+		SPB.S -		S099	TS2CC-28	40	099-4			HSDCU	17	122300 P019	008	1S 1S
054	SPIRE PMW Ch37-40 . 40-		SPB.S -		S099	TS2CC-28	40	099-4			HSDCU	17	122300 P019	025	1S 1S
004	SPIRE PMW Ch37-40 . SHD40		SPB.S -		S099	TS2CC-28	40	099-4	CS-S099-4		HSDCU	17	122300 P019	041	1S 1S
-															
010	SPIRE PMW Ch41-44 . 41+		SPB.S -		S100	TS2CC-28	41	100-1			HSDCU	17	122300 P019	026	1S 1S
011	SPIRE PMW Ch41-44 . 41-		SPB.S -		S100	TS2CC-28	41	100-1			HSDCU	17	122300 P019	010	1S 1S
004	SPIRE PMW Ch41-44 . SHD41		SPB.S -		S100	TS2CC-28	41	100-1	CS-S100-1		HSDCU	17	122300 P019	043	1S 1S
-															
019	SPIRE PMW Ch41-44 . 42+		SPB.S -		S100	TS2CC-28	42	100-2			HSDCU	17	122300 P019	027	1S 1S
029	SPIRE PMW Ch41-44 . 42-		SPB.S -		S100	TS2CC-28	42	100-2			HSDCU	17	122300 P019	011	1S 1S

Pin Allocation List

(Harness)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PMW Ch41-44 . SHD42		SPB.S -		S100	TS2CC-28	42	100-2	CS-S100-2	HSDCU	17	122300 P019	044	1S	1S	
-																
041	SPIRE PMW Ch41-44 . 43+		SPB.S -		S100	TS2CC-28	43	100-3		HSDCU	17	122300 P019	028	1S	1S	
030	SPIRE PMW Ch41-44 . 43-		SPB.S -		S100	TS2CC-28	43	100-3		HSDCU	17	122300 P019	012	1S	1S	
004	SPIRE PMW Ch41-44 . SHD43		SPB.S -		S100	TS2CC-28	43	100-3	CS-S100-3	HSDCU	17	122300 P019	045	1S	1S	
-																
053	SPIRE PMW Ch41-44 . 44+		SPB.S -		S100	TS2CC-28	44	100-4		HSDCU	17	122300 P019	029	1S	1S	
052	SPIRE PMW Ch41-44 . 44-		SPB.S -		S100	TS2CC-28	44	100-4		HSDCU	17	122300 P019	013	1S	1S	
004	SPIRE PMW Ch41-44 . SHD44		SPB.S -		S100	TS2CC-28	44	100-4	CS-S100-4	HSDCU	17	122300 P019	046	1S	1S	
-																
009	SPIRE PMW Ch45-48 . 45+		SPB.S -		S101	TS2CC-28	45	101-1		HSDCU	17	122300 P019	030	1S	1S	
017	SPIRE PMW Ch45-48 . 45-		SPB.S -		S101	TS2CC-28	45	101-1		HSDCU	17	122300 P019	014	1S	1S	
004	SPIRE PMW Ch45-48 . SHD45		SPB.S -		S101	TS2CC-28	45	101-1	CS-S101-1	HSDCU	17	122300 P019	047	1S	1S	
-																
018	SPIRE PMW Ch45-48 . 46+		SPB.S -		S101	TS2CC-28	46	101-2		HSDCU	17	122300 P019	031	1S	1S	
028	SPIRE PMW Ch45-48 . 46-		SPB.S -		S101	TS2CC-28	46	101-2		HSDCU	17	122300 P019	015	1S	1S	
004	SPIRE PMW Ch45-48 . SHD46		SPB.S -		S101	TS2CC-28	46	101-2	CS-S101-2	HSDCU	17	122300 P019	048	1S	1S	
-																
016	SPIRE PMW Ch45-48 . 47+		SPB.S -		S101	TS2CC-28	47	101-3		HSDCU	17	122300 P019	032	1S	1S	
027	SPIRE PMW Ch45-48 . 47-		SPB.S -		S101	TS2CC-28	47	101-3		HSDCU	17	122300 P019	016	1S	1S	
004	SPIRE PMW Ch45-48 . SHD47		SPB.S -		S101	TS2CC-28	47	101-3	CS-S101-3	HSDCU	17	122300 P019	049	1S	1S	
-																
040	SPIRE PMW Ch45-48 . 48+		SPB.S -		S101	TS2CC-28	48	101-4		HSDCU	17	122300 P019	033	1S	1S	
039	SPIRE PMW Ch45-48 . 48-		SPB.S -		S101	TS2CC-28	48	101-4		HSDCU	17	122300 P019	017	1S	1S	
004	SPIRE PMW Ch45-48 . SHD48		SPB.S -		S101	TS2CC-28	48	101-4	CS-S101-4	HSDCU	17	122300 P019	050	1S	1S	
-																
004	SPIRE PMW B05 GND WIRE A4		SPX.S -		S454	T01C0-26				HSDCU	17	122300 P019	009	1S	1S	
-																
047	Interconnection Star Pin		-						star pin for shield interconnection						1S	
004	to be con to pin 047		-												1S	
036	to be con to pin 047		-												1S	
128	to be con to pin 047		-												1S	
-															1S	
001	to be con as part of FCR								Faraday Cage Ring (FCR)						1S	

Pin Allocation List

(Harness)

Connector: 312100 P002**Function / Bundle:** SPIRE SVM CB1 SIH-XS-05**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
002	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
003	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
005	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
006	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
007	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
008	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
014	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
015	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
024	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
025	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
035	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
082	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
093	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
094	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
104	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
105	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
114	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
115	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
121	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
122	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
123	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
124	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
125	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
126	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
127	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
-															
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS					1S	
-														1S	
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS					1S	
-														1S	
-	2 pins are NC								The following Pins are NC :						

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
Issue : 2.1 Date : 03.08.2006
Sheet : 503 (of 666)

Connector: 312100 P002
Item: HSSVMCB1

Function / Bundle: SPIRE SVM CB1 SIH-XS-05

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 122300 P019
Item: HSDCU

Function / Bundle: DCU JFP SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch33-36 . 33+		SPB.S -		S096	TS2CC-28	33	096-1			HSSVMCB1	27	312100 P002	023	1S 1S
018	SPIRE PMW Ch33-36 . 33-		SPB.S -		S096	TS2CC-28	33	096-1			HSSVMCB1	27	312100 P002	034	1S 1S
034	SPIRE PMW Ch33-36 . SHD33		SPB.S -		S096	TS2CC-28	33	096-1	CS-S096-1		HSSVMCB1	27	312100 P002	004	1S 1S
-															
002	SPIRE PMW Ch33-36 . 34+		SPB.S -		S096	TS2CC-28	34	096-2			HSSVMCB1	27	312100 P002	033	1S 1S
019	SPIRE PMW Ch33-36 . 34-		SPB.S -		S096	TS2CC-28	34	096-2			HSSVMCB1	27	312100 P002	045	1S 1S
035	SPIRE PMW Ch33-36 . SHD34		SPB.S -		S096	TS2CC-28	34	096-2	CS-S096-2		HSSVMCB1	27	312100 P002	004	1S 1S
-															
003	SPIRE PMW Ch33-36 . 35+		SPB.S -		S096	TS2CC-28	35	096-3			HSSVMCB1	27	312100 P002	044	1S 1S
020	SPIRE PMW Ch33-36 . 35-		SPB.S -		S096	TS2CC-28	35	096-3			HSSVMCB1	27	312100 P002	056	1S 1S
036	SPIRE PMW Ch33-36 . SHD35		SPB.S -		S096	TS2CC-28	35	096-3	CS-S096-3		HSSVMCB1	27	312100 P002	004	1S 1S
-															
004	SPIRE PMW Ch33-36 . 36+		SPB.S -		S096	TS2CC-28	36	096-4			HSSVMCB1	27	312100 P002	022	1S 1S
021	SPIRE PMW Ch33-36 . 36-		SPB.S -		S096	TS2CC-28	36	096-4			HSSVMCB1	27	312100 P002	032	1S 1S
037	SPIRE PMW Ch33-36 . SHD36		SPB.S -		S096	TS2CC-28	36	096-4	CS-S096-4		HSSVMCB1	27	312100 P002	004	1S 1S
-															
005	SPIRE PMW Ch37-40 . 37+		SPB.S -		S099	TS2CC-28	37	099-1			HSSVMCB1	27	312100 P002	013	1S 1S
022	SPIRE PMW Ch37-40 . 37-		SPB.S -		S099	TS2CC-28	37	099-1			HSSVMCB1	27	312100 P002	012	1S 1S
038	SPIRE PMW Ch37-40 . SHD37		SPB.S -		S099	TS2CC-28	37	099-1	CS-S099-1		HSSVMCB1	27	312100 P002	004	1S 1S
-															
006	SPIRE PMW Ch37-40 . 38+		SPB.S -		S099	TS2CC-28	38	099-2			HSSVMCB1	27	312100 P002	021	1S 1S
023	SPIRE PMW Ch37-40 . 38-		SPB.S -		S099	TS2CC-28	38	099-2			HSSVMCB1	27	312100 P002	020	1S 1S
039	SPIRE PMW Ch37-40 . SHD38		SPB.S -		S099	TS2CC-28	38	099-2	CS-S099-2		HSSVMCB1	27	312100 P002	004	1S 1S
-															
007	SPIRE PMW Ch37-40 . 39+		SPB.S -		S099	TS2CC-28	39	099-3			HSSVMCB1	27	312100 P002	031	1S 1S
024	SPIRE PMW Ch37-40 . 39-		SPB.S -		S099	TS2CC-28	39	099-3			HSSVMCB1	27	312100 P002	043	1S 1S
040	SPIRE PMW Ch37-40 . SHD39		SPB.S -		S099	TS2CC-28	39	099-3	CS-S099-3		HSSVMCB1	27	312100 P002	004	1S 1S
-															
008	SPIRE PMW Ch37-40 . 40+		SPB.S -		S099	TS2CC-28	40	099-4			HSSVMCB1	27	312100 P002	042	1S 1S
025	SPIRE PMW Ch37-40 . 40-		SPB.S -		S099	TS2CC-28	40	099-4			HSSVMCB1	27	312100 P002	054	1S 1S
041	SPIRE PMW Ch37-40 . SHD40		SPB.S -		S099	TS2CC-28	40	099-4	CS-S099-4		HSSVMCB1	27	312100 P002	004	1S 1S
-															
026	SPIRE PMW Ch41-44 . 41+		SPB.S -		S100	TS2CC-28	41	100-1			HSSVMCB1	27	312100 P002	010	1S 1S
010	SPIRE PMW Ch41-44 . 41-		SPB.S -		S100	TS2CC-28	41	100-1			HSSVMCB1	27	312100 P002	011	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P019
Item: HSDCU

Function / Bundle: DCU JFP SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch41-44 . SHD41		SPB.S -		S100	TS2CC-28	41	100-1		CS-S100-1	HSSVMCB1	27	312100 P002	004	1S	1S
-																
027	SPIRE PMW Ch41-44 . 42+		SPB.S -		S100	TS2CC-28	42	100-2			HSSVMCB1	27	312100 P002	019	1S	1S
011	SPIRE PMW Ch41-44 . 42-		SPB.S -		S100	TS2CC-28	42	100-2			HSSVMCB1	27	312100 P002	029	1S	1S
044	SPIRE PMW Ch41-44 . SHD42		SPB.S -		S100	TS2CC-28	42	100-2		CS-S100-2	HSSVMCB1	27	312100 P002	004	1S	1S
-																
028	SPIRE PMW Ch41-44 . 43+		SPB.S -		S100	TS2CC-28	43	100-3			HSSVMCB1	27	312100 P002	041	1S	1S
012	SPIRE PMW Ch41-44 . 43-		SPB.S -		S100	TS2CC-28	43	100-3			HSSVMCB1	27	312100 P002	030	1S	1S
045	SPIRE PMW Ch41-44 . SHD43		SPB.S -		S100	TS2CC-28	43	100-3		CS-S100-3	HSSVMCB1	27	312100 P002	004	1S	1S
-																
029	SPIRE PMW Ch41-44 . 44+		SPB.S -		S100	TS2CC-28	44	100-4			HSSVMCB1	27	312100 P002	053	1S	1S
013	SPIRE PMW Ch41-44 . 44-		SPB.S -		S100	TS2CC-28	44	100-4			HSSVMCB1	27	312100 P002	052	1S	1S
046	SPIRE PMW Ch41-44 . SHD44		SPB.S -		S100	TS2CC-28	44	100-4		CS-S100-4	HSSVMCB1	27	312100 P002	004	1S	1S
-																
030	SPIRE PMW Ch45-48 . 45+		SPB.S -		S101	TS2CC-28	45	101-1			HSSVMCB1	27	312100 P002	009	1S	1S
014	SPIRE PMW Ch45-48 . 45-		SPB.S -		S101	TS2CC-28	45	101-1			HSSVMCB1	27	312100 P002	017	1S	1S
047	SPIRE PMW Ch45-48 . SHD45		SPB.S -		S101	TS2CC-28	45	101-1		CS-S101-1	HSSVMCB1	27	312100 P002	004	1S	1S
-																
031	SPIRE PMW Ch45-48 . 46+		SPB.S -		S101	TS2CC-28	46	101-2			HSSVMCB1	27	312100 P002	018	1S	1S
015	SPIRE PMW Ch45-48 . 46-		SPB.S -		S101	TS2CC-28	46	101-2			HSSVMCB1	27	312100 P002	028	1S	1S
048	SPIRE PMW Ch45-48 . SHD46		SPB.S -		S101	TS2CC-28	46	101-2		CS-S101-2	HSSVMCB1	27	312100 P002	004	1S	1S
-																
032	SPIRE PMW Ch45-48 . 47+		SPB.S -		S101	TS2CC-28	47	101-3			HSSVMCB1	27	312100 P002	016	1S	1S
016	SPIRE PMW Ch45-48 . 47-		SPB.S -		S101	TS2CC-28	47	101-3			HSSVMCB1	27	312100 P002	027	1S	1S
049	SPIRE PMW Ch45-48 . SHD47		SPB.S -		S101	TS2CC-28	47	101-3		CS-S101-3	HSSVMCB1	27	312100 P002	004	1S	1S
-																
033	SPIRE PMW Ch45-48 . 48+		SPB.S -		S101	TS2CC-28	48	101-4			HSSVMCB1	27	312100 P002	040	1S	1S
017	SPIRE PMW Ch45-48 . 48-		SPB.S -		S101	TS2CC-28	48	101-4			HSSVMCB1	27	312100 P002	039	1S	1S
050	SPIRE PMW Ch45-48 . SHD48		SPB.S -		S101	TS2CC-28	48	101-4		CS-S101-4	HSSVMCB1	27	312100 P002	004	1S	1S
-																
009	SPIRE PMW B05 GND WIRE A4		SPX.S -		S454	T01C0-26					HSSVMCB1	27	312100 P002	004	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P019
Item: HSDCU

Function / Bundle: DCU JFP SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P018
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch17-20 . 17+		SPB.S -		S091	TS2CC-28	17	091-1			HSSVMCB1	27	312100 P002	055	1S 1S
018	SPIRE PMW Ch17-20 . 17-		SPB.S -		S091	TS2CC-28	17	091-1			HSSVMCB1	27	312100 P002	066	1S 1S
034	SPIRE PMW Ch17-20 . SHD17		SPB.S -		S091	TS2CC-28	17	091-1	CS-S091-1		HSSVMCB1	27	312100 P002	128	1S 1S
-															
002	SPIRE PMW Ch17-20 . 18+		SPB.S -		S091	TS2CC-28	18	091-2			HSSVMCB1	27	312100 P002	067	1S 1S
019	SPIRE PMW Ch17-20 . 18-		SPB.S -		S091	TS2CC-28	18	091-2			HSSVMCB1	27	312100 P002	078	1S 1S
035	SPIRE PMW Ch17-20 . SHD18		SPB.S -		S091	TS2CC-28	18	091-2	CS-S091-2		HSSVMCB1	27	312100 P002	128	1S 1S
-															
003	SPIRE PMW Ch17-20 . 19+		SPB.S -		S091	TS2CC-28	19	091-3			HSSVMCB1	27	312100 P002	076	1S 1S
020	SPIRE PMW Ch17-20 . 19-		SPB.S -		S091	TS2CC-28	19	091-3			HSSVMCB1	27	312100 P002	077	1S 1S
036	SPIRE PMW Ch17-20 . SHD19		SPB.S -		S091	TS2CC-28	19	091-3	CS-S091-3		HSSVMCB1	27	312100 P002	128	1S 1S
-															
004	SPIRE PMW Ch17-20 . 20+		SPB.S -		S091	TS2CC-28	20	091-4			HSSVMCB1	27	312100 P002	088	1S 1S
021	SPIRE PMW Ch17-20 . 20-		SPB.S -		S091	TS2CC-28	20	091-4			HSSVMCB1	27	312100 P002	089	1S 1S
037	SPIRE PMW Ch17-20 . SHD20		SPB.S -		S091	TS2CC-28	20	091-4	CS-S091-4		HSSVMCB1	27	312100 P002	128	1S 1S
-															
005	SPIRE PMW Ch21-24 . 21+		SPB.S -		S092	TS2CC-28	21	092-1			HSSVMCB1	27	312100 P002	099	1S 1S
022	SPIRE PMW Ch21-24 . 21-		SPB.S -		S092	TS2CC-28	21	092-1			HSSVMCB1	27	312100 P002	100	1S 1S
038	SPIRE PMW Ch21-24 . SHD21		SPB.S -		S092	TS2CC-28	21	092-1	CS-S092-1		HSSVMCB1	27	312100 P002	128	1S 1S
-															
006	SPIRE PMW Ch21-24 . 22+		SPB.S -		S092	TS2CC-28	22	092-2			HSSVMCB1	27	312100 P002	110	1S 1S
023	SPIRE PMW Ch21-24 . 22-		SPB.S -		S092	TS2CC-28	22	092-2			HSSVMCB1	27	312100 P002	111	1S 1S
039	SPIRE PMW Ch21-24 . SHD22		SPB.S -		S092	TS2CC-28	22	092-2	CS-S092-2		HSSVMCB1	27	312100 P002	128	1S 1S
-															
007	SPIRE PMW Ch21-24 . 23+		SPB.S -		S092	TS2CC-28	23	092-3			HSSVMCB1	27	312100 P002	118	1S 1S
024	SPIRE PMW Ch21-24 . 23-		SPB.S -		S092	TS2CC-28	23	092-3			HSSVMCB1	27	312100 P002	119	1S 1S
040	SPIRE PMW Ch21-24 . SHD23		SPB.S -		S092	TS2CC-28	23	092-3	CS-S092-3		HSSVMCB1	27	312100 P002	128	1S 1S
-															
008	SPIRE PMW Ch21-24 . 24+		SPB.S -		S092	TS2CC-28	24	092-4			HSSVMCB1	27	312100 P002	112	1S 1S
025	SPIRE PMW Ch21-24 . 24-		SPB.S -		S092	TS2CC-28	24	092-4			HSSVMCB1	27	312100 P002	120	1S 1S
041	SPIRE PMW Ch21-24 . SHD24		SPB.S -		S092	TS2CC-28	24	092-4	CS-S092-4		HSSVMCB1	27	312100 P002	128	1S 1S
-															
026	SPIRE PMW Ch25-28 . 25+		SPB.S -		S094	TS2CC-28	25	094-1			HSSVMCB1	27	312100 P002	090	1S 1S
010	SPIRE PMW Ch25-28 . 25-		SPB.S -		S094	TS2CC-28	25	094-1			HSSVMCB1	27	312100 P002	079	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P018

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch25-28 . SHD25		SPB.S -		S094	TS2CC-28	25	094-1	CS-S094-1	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
027	SPIRE PMW Ch25-28 . 26+		SPB.S -		S094	TS2CC-28	26	094-2		HSSVMCB1	27	312100 P002	102	1S	1S	
011	SPIRE PMW Ch25-28 . 26-		SPB.S -		S094	TS2CC-28	26	094-2		HSSVMCB1	27	312100 P002	101	1S	1S	
044	SPIRE PMW Ch25-28 . SHD26		SPB.S -		S094	TS2CC-28	26	094-2	CS-S094-2	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
028	SPIRE PMW Ch25-28 . 27+		SPB.S -		S094	TS2CC-28	27	094-3		HSSVMCB1	27	312100 P002	092	1S	1S	
012	SPIRE PMW Ch25-28 . 27-		SPB.S -		S094	TS2CC-28	27	094-3		HSSVMCB1	27	312100 P002	091	1S	1S	
045	SPIRE PMW Ch25-28 . SHD27		SPB.S -		S094	TS2CC-28	27	094-3	CS-S094-3	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
029	SPIRE PMW Ch25-28 . 28+		SPB.S -		S094	TS2CC-28	28	094-4		HSSVMCB1	27	312100 P002	103	1S	1S	
013	SPIRE PMW Ch25-28 . 28-		SPB.S -		S094	TS2CC-28	28	094-4		HSSVMCB1	27	312100 P002	113	1S	1S	
046	SPIRE PMW Ch25-28 . SHD28		SPB.S -		S094	TS2CC-28	28	094-4	CS-S094-4	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
030	SPIRE PMW Ch29-32 . 29+		SPB.S -		S095	TS2CC-28	29	095-1		HSSVMCB1	27	312100 P002	058	1S	1S	
014	SPIRE PMW Ch29-32 . 29-		SPB.S -		S095	TS2CC-28	29	095-1		HSSVMCB1	27	312100 P002	046	1S	1S	
047	SPIRE PMW Ch29-32 . SHD29		SPB.S -		S095	TS2CC-28	29	095-1	CS-S095-1	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
031	SPIRE PMW Ch29-32 . 30+		SPB.S -		S095	TS2CC-28	30	095-2		HSSVMCB1	27	312100 P002	068	1S	1S	
015	SPIRE PMW Ch29-32 . 30-		SPB.S -		S095	TS2CC-28	30	095-2		HSSVMCB1	27	312100 P002	057	1S	1S	
048	SPIRE PMW Ch29-32 . SHD30		SPB.S -		S095	TS2CC-28	30	095-2	CS-S095-2	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
032	SPIRE PMW Ch29-32 . 31+		SPB.S -		S095	TS2CC-28	31	095-3		HSSVMCB1	27	312100 P002	069	1S	1S	
016	SPIRE PMW Ch29-32 . 31-		SPB.S -		S095	TS2CC-28	31	095-3		HSSVMCB1	27	312100 P002	080	1S	1S	
049	SPIRE PMW Ch29-32 . SHD31		SPB.S -		S095	TS2CC-28	31	095-3	CS-S095-3	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
033	SPIRE PMW Ch29-32 . 32+		SPB.S -		S095	TS2CC-28	32	095-4		HSSVMCB1	27	312100 P002	070	1S	1S	
017	SPIRE PMW Ch29-32 . 32-		SPB.S -		S095	TS2CC-28	32	095-4		HSSVMCB1	27	312100 P002	081	1S	1S	
050	SPIRE PMW Ch29-32 . SHD32		SPB.S -		S095	TS2CC-28	32	095-4	CS-S095-4	HSSVMCB1	27	312100 P002	128	1S	1S	
-																
009	SPIRE PMW B05 GND WIRE A2		SPX.S -		S452	T01C0-26				HSSVMCB1	27	312100 P002	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P018
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P017
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PMW Ch01-04 . 1+		SPB.S -		S085	TS2CC-28	1	085-1			HSSVMCB1	27	312100 P002	026	1S 1S
018	SPIRE PMW Ch01-04 . 1-		SPB.S -		S085	TS2CC-28	1	085-1			HSSVMCB1	27	312100 P002	037	1S 1S
034	SPIRE PMW Ch01-04 . SHD01		SPB.S -		S085	TS2CC-28	1	085-1	CS-S085-1		HSSVMCB1	27	312100 P002	036	1S 1S
-															
002	SPIRE PMW Ch01-04 . 2+		SPB.S -		S085	TS2CC-28	2	085-2			HSSVMCB1	27	312100 P002	038	1S 1S
019	SPIRE PMW Ch01-04 . 2-		SPB.S -		S085	TS2CC-28	2	085-2			HSSVMCB1	27	312100 P002	049	1S 1S
035	SPIRE PMW Ch01-04 . SHD02		SPB.S -		S085	TS2CC-28	2	085-2	CS-S085-2		HSSVMCB1	27	312100 P002	036	1S 1S
-															
003	SPIRE PMW Ch01-04 . 3+		SPB.S -		S085	TS2CC-28	3	085-3			HSSVMCB1	27	312100 P002	048	1S 1S
020	SPIRE PMW Ch01-04 . 3-		SPB.S -		S085	TS2CC-28	3	085-3			HSSVMCB1	27	312100 P002	060	1S 1S
036	SPIRE PMW Ch01-04 . SHD03		SPB.S -		S085	TS2CC-28	3	085-3	CS-S085-3		HSSVMCB1	27	312100 P002	036	1S 1S
-															
004	SPIRE PMW Ch01-04 . 4+		SPB.S -		S085	TS2CC-28	4	085-4			HSSVMCB1	27	312100 P002	059	1S 1S
021	SPIRE PMW Ch01-04 . 4-		SPB.S -		S085	TS2CC-28	4	085-4			HSSVMCB1	27	312100 P002	071	1S 1S
037	SPIRE PMW Ch01-04 . SHD04		SPB.S -		S085	TS2CC-28	4	085-4	CS-S085-4		HSSVMCB1	27	312100 P002	036	1S 1S
-															
005	SPIRE PMW Ch05-08 . 5+		SPB.S -		S086	TS2CC-28	5	086-1			HSSVMCB1	27	312100 P002	050	1S 1S
022	SPIRE PMW Ch05-08 . 5-		SPB.S -		S086	TS2CC-28	5	086-1			HSSVMCB1	27	312100 P002	061	1S 1S
038	SPIRE PMW Ch05-08 . SHD05		SPB.S -		S086	TS2CC-28	5	086-1	CS-S086-1		HSSVMCB1	27	312100 P002	036	1S 1S
-															
006	SPIRE PMW Ch05-08 . 6+		SPB.S -		S086	TS2CC-28	6	086-2			HSSVMCB1	27	312100 P002	062	1S 1S
023	SPIRE PMW Ch05-08 . 6-		SPB.S -		S086	TS2CC-28	6	086-2			HSSVMCB1	27	312100 P002	051	1S 1S
039	SPIRE PMW Ch05-08 . SHD06		SPB.S -		S086	TS2CC-28	6	086-2	CS-S086-2		HSSVMCB1	27	312100 P002	036	1S 1S
-															
007	SPIRE PMW Ch05-08 . 7+		SPB.S -		S086	TS2CC-28	7	086-3			HSSVMCB1	27	312100 P002	063	1S 1S
024	SPIRE PMW Ch05-08 . 7-		SPB.S -		S086	TS2CC-28	7	086-3			HSSVMCB1	27	312100 P002	075	1S 1S
040	SPIRE PMW Ch05-08 . SHD07		SPB.S -		S086	TS2CC-28	7	086-3	CS-S086-3		HSSVMCB1	27	312100 P002	036	1S 1S
-															
008	SPIRE PMW Ch05-08 . 8+		SPB.S -		S086	TS2CC-28	8	086-4			HSSVMCB1	27	312100 P002	074	1S 1S
025	SPIRE PMW Ch05-08 . 8-		SPB.S -		S086	TS2CC-28	8	086-4			HSSVMCB1	27	312100 P002	073	1S 1S
041	SPIRE PMW Ch05-08 . SHD08		SPB.S -		S086	TS2CC-28	8	086-4	CS-S086-4		HSSVMCB1	27	312100 P002	036	1S 1S
-															
026	SPIRE PMW Ch09-12 . 9+		SPB.S -		S087	TS2CC-28	9	087-1			HSSVMCB1	27	312100 P002	083	1S 1S
010	SPIRE PMW Ch09-12 . 9-		SPB.S -		S087	TS2CC-28	9	087-1			HSSVMCB1	27	312100 P002	072	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P017
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PMW Ch09-12 . SHD09		SPB.S	-	S087	TS2CC-28	9	087-1	CS-S087-1	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
027	SPIRE PMW Ch09-12 . 10+		SPB.S	-	S087	TS2CC-28	10	087-2		HSSVMCB1	27	312100 P002	095	1S	1S	
011	SPIRE PMW Ch09-12 . 10-		SPB.S	-	S087	TS2CC-28	10	087-2		HSSVMCB1	27	312100 P002	084	1S	1S	
044	SPIRE PMW Ch09-12 . SHD10		SPB.S	-	S087	TS2CC-28	10	087-2	CS-S087-2	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
028	SPIRE PMW Ch09-12 . 11+		SPB.S	-	S087	TS2CC-28	11	087-3		HSSVMCB1	27	312100 P002	096	1S	1S	
012	SPIRE PMW Ch09-12 . 11-		SPB.S	-	S087	TS2CC-28	11	087-3		HSSVMCB1	27	312100 P002	085	1S	1S	
045	SPIRE PMW Ch09-12 . SHD11		SPB.S	-	S087	TS2CC-28	11	087-3	CS-S087-3	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
029	SPIRE PMW Ch09-12 . 12+		SPB.S	-	S087	TS2CC-28	12	087-4		HSSVMCB1	27	312100 P002	106	1S	1S	
013	SPIRE PMW Ch09-12 . 12-		SPB.S	-	S087	TS2CC-28	12	087-4		HSSVMCB1	27	312100 P002	107	1S	1S	
046	SPIRE PMW Ch09-12 . SHD12		SPB.S	-	S087	TS2CC-28	12	087-4	CS-S087-4	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
030	SPIRE PMW Ch13-16 . 13+		SPB.S	-	S090	TS2CC-28	13	090-1		HSSVMCB1	27	312100 P002	086	1S	1S	
014	SPIRE PMW Ch13-16 . 13-		SPB.S	-	S090	TS2CC-28	13	090-1		HSSVMCB1	27	312100 P002	087	1S	1S	
047	SPIRE PMW Ch13-16 . SHD13		SPB.S	-	S090	TS2CC-28	13	090-1	CS-S090-1	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
031	SPIRE PMW Ch13-16 . 14+		SPB.S	-	S090	TS2CC-28	14	090-2		HSSVMCB1	27	312100 P002	097	1S	1S	
015	SPIRE PMW Ch13-16 . 14-		SPB.S	-	S090	TS2CC-28	14	090-2		HSSVMCB1	27	312100 P002	098	1S	1S	
048	SPIRE PMW Ch13-16 . SHD14		SPB.S	-	S090	TS2CC-28	14	090-2	CS-S090-2	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
032	SPIRE PMW Ch13-16 . 15+		SPB.S	-	S090	TS2CC-28	15	090-3		HSSVMCB1	27	312100 P002	108	1S	1S	
016	SPIRE PMW Ch13-16 . 15-		SPB.S	-	S090	TS2CC-28	15	090-3		HSSVMCB1	27	312100 P002	109	1S	1S	
049	SPIRE PMW Ch13-16 . SHD15		SPB.S	-	S090	TS2CC-28	15	090-3	CS-S090-3	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
033	SPIRE PMW Ch13-16 . 16+		SPB.S	-	S090	TS2CC-28	16	090-4		HSSVMCB1	27	312100 P002	116	1S	1S	
017	SPIRE PMW Ch13-16 . 16-		SPB.S	-	S090	TS2CC-28	16	090-4		HSSVMCB1	27	312100 P002	117	1S	1S	
050	SPIRE PMW Ch13-16 . SHD16		SPB.S	-	S090	TS2CC-28	16	090-4	CS-S090-4	HSSVMCB1	27	312100 P002	036	1S	1S	
-																
009	SPIRE PMW B05 GND WIRE A1		SPX.S	-	S451	T01C0-26				HSSVMCB1	27	312100 P002	036	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P017
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / insulation required between IOS and OOS					1S
-															
CH	to be con to outer Overall Shield (OOS)									insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PLW Ch01-04 . 1+		SPA.S -		S104	TS2CC-28	1	104-1			HSDCU	17	122300 P014	001	1S 1S
037	SPIRE PLW Ch01-04 . 1-		SPA.S -		S104	TS2CC-28	1	104-1			HSDCU	17	122300 P014	018	1S 1S
036	SPIRE PLW Ch01-04 . SHD01		SPA.S -		S104	TS2CC-28	1	104-1	CS-S104-1		HSDCU	17	122300 P014	034	1S 1S
-															
038	SPIRE PLW Ch01-04 . 2+		SPA.S -		S104	TS2CC-28	2	104-2			HSDCU	17	122300 P014	002	1S 1S
049	SPIRE PLW Ch01-04 . 2-		SPA.S -		S104	TS2CC-28	2	104-2			HSDCU	17	122300 P014	019	1S 1S
036	SPIRE PLW Ch01-04 . SHD02		SPA.S -		S104	TS2CC-28	2	104-2	CS-S104-2		HSDCU	17	122300 P014	035	1S 1S
-															
048	SPIRE PLW Ch01-04 . 3+		SPA.S -		S104	TS2CC-28	3	104-3			HSDCU	17	122300 P014	003	1S 1S
060	SPIRE PLW Ch01-04 . 3-		SPA.S -		S104	TS2CC-28	3	104-3			HSDCU	17	122300 P014	020	1S 1S
036	SPIRE PLW Ch01-04 . SHD03		SPA.S -		S104	TS2CC-28	3	104-3	CS-S104-3		HSDCU	17	122300 P014	036	1S 1S
-															
059	SPIRE PLW Ch01-04 . 4+		SPA.S -		S104	TS2CC-28	4	104-4			HSDCU	17	122300 P014	004	1S 1S
071	SPIRE PLW Ch01-04 . 4-		SPA.S -		S104	TS2CC-28	4	104-4			HSDCU	17	122300 P014	021	1S 1S
036	SPIRE PLW Ch01-04 . SHD04		SPA.S -		S104	TS2CC-28	4	104-4	CS-S104-4		HSDCU	17	122300 P014	037	1S 1S
-															
050	SPIRE PLW Ch05-08 . 5+		SPA.S -		S105	TS2CC-28	5	105-1			HSDCU	17	122300 P014	005	1S 1S
061	SPIRE PLW Ch05-08 . 5-		SPA.S -		S105	TS2CC-28	5	105-1			HSDCU	17	122300 P014	022	1S 1S
036	SPIRE PLW Ch05-08 . SHD05		SPA.S -		S105	TS2CC-28	5	105-1	CS-S105-1		HSDCU	17	122300 P014	038	1S 1S
-															
062	SPIRE PLW Ch05-08 . 6+		SPA.S -		S105	TS2CC-28	6	105-2			HSDCU	17	122300 P014	006	1S 1S
051	SPIRE PLW Ch05-08 . 6-		SPA.S -		S105	TS2CC-28	6	105-2			HSDCU	17	122300 P014	023	1S 1S
036	SPIRE PLW Ch05-08 . SHD06		SPA.S -		S105	TS2CC-28	6	105-2	CS-S105-2		HSDCU	17	122300 P014	039	1S 1S
-															
063	SPIRE PLW Ch05-08 . 7+		SPA.S -		S105	TS2CC-28	7	105-3			HSDCU	17	122300 P014	007	1S 1S
075	SPIRE PLW Ch05-08 . 7-		SPA.S -		S105	TS2CC-28	7	105-3			HSDCU	17	122300 P014	024	1S 1S
036	SPIRE PLW Ch05-08 . SHD07		SPA.S -		S105	TS2CC-28	7	105-3	CS-S105-3		HSDCU	17	122300 P014	040	1S 1S
-															
074	SPIRE PLW Ch05-08 . 8+		SPA.S -		S105	TS2CC-28	8	105-4			HSDCU	17	122300 P014	008	1S 1S
073	SPIRE PLW Ch05-08 . 8-		SPA.S -		S105	TS2CC-28	8	105-4			HSDCU	17	122300 P014	025	1S 1S
036	SPIRE PLW Ch05-08 . SHD08		SPA.S -		S105	TS2CC-28	8	105-4	CS-S105-4		HSDCU	17	122300 P014	041	1S 1S
-															
083	SPIRE PLW Ch09-12 . 9+		SPA.S -		S106	TS2CC-28	9	106-1			HSDCU	17	122300 P014	026	1S 1S
072	SPIRE PLW Ch09-12 . 9-		SPA.S -		S106	TS2CC-28	9	106-1			HSDCU	17	122300 P014	010	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PLW Ch09-12 . SHD09		SPA.S -		S106	TS2CC-28	9	106-1	CS-S106-1	HSDCU	17	122300 P014	043	1S	1S	
-																
095	SPIRE PLW Ch09-12 . 10+		SPA.S -		S106	TS2CC-28	10	106-2		HSDCU	17	122300 P014	027	1S	1S	
084	SPIRE PLW Ch09-12 . 10-		SPA.S -		S106	TS2CC-28	10	106-2		HSDCU	17	122300 P014	011	1S	1S	
036	SPIRE PLW Ch09-12 . SHD10		SPA.S -		S106	TS2CC-28	10	106-2	CS-S106-2	HSDCU	17	122300 P014	044	1S	1S	
-																
096	SPIRE PLW Ch09-12 . 11+		SPA.S -		S106	TS2CC-28	11	106-3		HSDCU	17	122300 P014	028	1S	1S	
085	SPIRE PLW Ch09-12 . 11-		SPA.S -		S106	TS2CC-28	11	106-3		HSDCU	17	122300 P014	012	1S	1S	
036	SPIRE PLW Ch09-12 . SHD11		SPA.S -		S106	TS2CC-28	11	106-3	CS-S106-3	HSDCU	17	122300 P014	045	1S	1S	
-																
106	SPIRE PLW Ch09-12 . 12+		SPA.S -		S106	TS2CC-28	12	106-4		HSDCU	17	122300 P014	029	1S	1S	
107	SPIRE PLW Ch09-12 . 12-		SPA.S -		S106	TS2CC-28	12	106-4		HSDCU	17	122300 P014	013	1S	1S	
036	SPIRE PLW Ch09-12 . SHD12		SPA.S -		S106	TS2CC-28	12	106-4	CS-S106-4	HSDCU	17	122300 P014	046	1S	1S	
-																
086	SPIRE PLW Ch13-16 . 13+		SPA.S -		S109	TS2CC-28	13	109-1		HSDCU	17	122300 P014	030	1S	1S	
087	SPIRE PLW Ch13-16 . 13-		SPA.S -		S109	TS2CC-28	13	109-1		HSDCU	17	122300 P014	014	1S	1S	
036	SPIRE PLW Ch13-16 . SHD13		SPA.S -		S109	TS2CC-28	13	109-1	CS-S109-1	HSDCU	17	122300 P014	047	1S	1S	
-																
097	SPIRE PLW Ch13-16 . 14+		SPA.S -		S109	TS2CC-28	14	109-2		HSDCU	17	122300 P014	031	1S	1S	
098	SPIRE PLW Ch13-16 . 14-		SPA.S -		S109	TS2CC-28	14	109-2		HSDCU	17	122300 P014	015	1S	1S	
036	SPIRE PLW Ch13-16 . SHD14		SPA.S -		S109	TS2CC-28	14	109-2	CS-S109-2	HSDCU	17	122300 P014	048	1S	1S	
-																
108	SPIRE PLW Ch13-16 . 15+		SPA.S -		S109	TS2CC-28	15	109-3		HSDCU	17	122300 P014	032	1S	1S	
109	SPIRE PLW Ch13-16 . 15-		SPA.S -		S109	TS2CC-28	15	109-3		HSDCU	17	122300 P014	016	1S	1S	
036	SPIRE PLW Ch13-16 . SHD15		SPA.S -		S109	TS2CC-28	15	109-3	CS-S109-3	HSDCU	17	122300 P014	049	1S	1S	
-																
116	SPIRE PLW Ch13-16 . 16+		SPA.S -		S109	TS2CC-28	16	109-4		HSDCU	17	122300 P014	033	1S	1S	
117	SPIRE PLW Ch13-16 . 16-		SPA.S -		S109	TS2CC-28	16	109-4		HSDCU	17	122300 P014	017	1S	1S	
036	SPIRE PLW Ch13-16 . SHD16		SPA.S -		S109	TS2CC-28	16	109-4	CS-S109-4	HSDCU	17	122300 P014	050	1S	1S	
-																
036	SPIRE PLW B06 GND WIRE A1		SPX.S -		S461	T01C0-26				HSDCU	17	122300 P014	009	1S	1S	
-														1S		
055	SPIRE PLW Ch17-20 . 17+		SPA.S -		S110	TS2CC-28	17	110-1		HSDCU	17	122300 P015	001	1S	1S	
066	SPIRE PLW Ch17-20 . 17-		SPA.S -		S110	TS2CC-28	17	110-1		HSDCU	17	122300 P015	018	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PLW Ch17-20 . SHD17		SPA.S -		S110	TS2CC-28	17	110-1	CS-S110-1	HSDCU	17	122300 P015	034	1S	1S	
-																
067	SPIRE PLW Ch17-20 . 18+		SPA.S -		S110	TS2CC-28	18	110-2		HSDCU	17	122300 P015	002	1S	1S	
078	SPIRE PLW Ch17-20 . 18-		SPA.S -		S110	TS2CC-28	18	110-2		HSDCU	17	122300 P015	019	1S	1S	
128	SPIRE PLW Ch17-20 . SHD18		SPA.S -		S110	TS2CC-28	18	110-2	CS-S110-2	HSDCU	17	122300 P015	035	1S	1S	
-																
076	SPIRE PLW Ch17-20 . 19+		SPA.S -		S110	TS2CC-28	19	110-3		HSDCU	17	122300 P015	003	1S	1S	
077	SPIRE PLW Ch17-20 . 19-		SPA.S -		S110	TS2CC-28	19	110-3		HSDCU	17	122300 P015	020	1S	1S	
128	SPIRE PLW Ch17-20 . SHD19		SPA.S -		S110	TS2CC-28	19	110-3	CS-S110-3	HSDCU	17	122300 P015	036	1S	1S	
-																
088	SPIRE PLW Ch17-20 . 20+		SPA.S -		S110	TS2CC-28	20	110-4		HSDCU	17	122300 P015	004	1S	1S	
089	SPIRE PLW Ch17-20 . 20-		SPA.S -		S110	TS2CC-28	20	110-4		HSDCU	17	122300 P015	021	1S	1S	
128	SPIRE PLW Ch17-20 . SHD20		SPA.S -		S110	TS2CC-28	20	110-4	CS-S110-4	HSDCU	17	122300 P015	037	1S	1S	
-																
099	SPIRE PLW Ch21-24 . 21+		SPA.S -		S111	TS2CC-28	21	111-1		HSDCU	17	122300 P015	005	1S	1S	
100	SPIRE PLW Ch21-24 . 21-		SPA.S -		S111	TS2CC-28	21	111-1		HSDCU	17	122300 P015	022	1S	1S	
128	SPIRE PLW Ch21-24 . SHD21		SPA.S -		S111	TS2CC-28	21	111-1	CS-S111-1	HSDCU	17	122300 P015	038	1S	1S	
-																
110	SPIRE PLW Ch21-24 . 22+		SPA.S -		S111	TS2CC-28	22	111-2		HSDCU	17	122300 P015	006	1S	1S	
111	SPIRE PLW Ch21-24 . 22-		SPA.S -		S111	TS2CC-28	22	111-2		HSDCU	17	122300 P015	023	1S	1S	
128	SPIRE PLW Ch21-24 . SHD22		SPA.S -		S111	TS2CC-28	22	111-2	CS-S111-2	HSDCU	17	122300 P015	039	1S	1S	
-																
118	SPIRE PLW Ch21-24 . 23+		SPA.S -		S111	TS2CC-28	23	111-3		HSDCU	17	122300 P015	007	1S	1S	
119	SPIRE PLW Ch21-24 . 23-		SPA.S -		S111	TS2CC-28	23	111-3		HSDCU	17	122300 P015	024	1S	1S	
128	SPIRE PLW Ch21-24 . SHD23		SPA.S -		S111	TS2CC-28	23	111-3	CS-S111-3	HSDCU	17	122300 P015	040	1S	1S	
-																
112	SPIRE PLW Ch21-24 . 24+		SPA.S -		S111	TS2CC-28	24	111-4		HSDCU	17	122300 P015	008	1S	1S	
120	SPIRE PLW Ch21-24 . 24-		SPA.S -		S111	TS2CC-28	24	111-4		HSDCU	17	122300 P015	025	1S	1S	
128	SPIRE PLW Ch21-24 . SHD24		SPA.S -		S111	TS2CC-28	24	111-4	CS-S111-4	HSDCU	17	122300 P015	041	1S	1S	
-																
090	SPIRE PLW Ch25-28 . 25+		SPA.S -		S113	TS2CC-28	25	113-1		HSDCU	17	122300 P015	026	1S	1S	
079	SPIRE PLW Ch25-28 . 25-		SPA.S -		S113	TS2CC-28	25	113-1		HSDCU	17	122300 P015	010	1S	1S	
128	SPIRE PLW Ch25-28 . SHD25		SPA.S -		S113	TS2CC-28	25	113-1	CS-S113-1	HSDCU	17	122300 P015	043	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
102	SPIRE PLW Ch25-28 . 26+		SPA.S -		S113	TS2CC-28	26	113-2		HSDCU	17	122300 P015	027	1S	1S	
101	SPIRE PLW Ch25-28 . 26-		SPA.S -		S113	TS2CC-28	26	113-2		HSDCU	17	122300 P015	011	1S	1S	
128	SPIRE PLW Ch25-28 . SHD26		SPA.S -		S113	TS2CC-28	26	113-2	CS-S113-2	HSDCU	17	122300 P015	044	1S	1S	
-																
092	SPIRE PLW Ch25-28 . 27+		SPA.S -		S113	TS2CC-28	27	113-3		HSDCU	17	122300 P015	028	1S	1S	
091	SPIRE PLW Ch25-28 . 27-		SPA.S -		S113	TS2CC-28	27	113-3		HSDCU	17	122300 P015	012	1S	1S	
128	SPIRE PLW Ch25-28 . SHD27		SPA.S -		S113	TS2CC-28	27	113-3	CS-S113-3	HSDCU	17	122300 P015	045	1S	1S	
-																
103	SPIRE PLW Ch25-28 . 28+		SPA.S -		S113	TS2CC-28	28	113-4		HSDCU	17	122300 P015	029	1S	1S	
113	SPIRE PLW Ch25-28 . 28-		SPA.S -		S113	TS2CC-28	28	113-4		HSDCU	17	122300 P015	013	1S	1S	
128	SPIRE PLW Ch25-28 . SHD28		SPA.S -		S113	TS2CC-28	28	113-4	CS-S113-4	HSDCU	17	122300 P015	046	1S	1S	
-																
058	SPIRE PLW Ch29-32 . 29+		SPA.S -		S114	TS2CC-28	29	114-1		HSDCU	17	122300 P015	030	1S	1S	
046	SPIRE PLW Ch29-32 . 29-		SPA.S -		S114	TS2CC-28	29	114-1		HSDCU	17	122300 P015	014	1S	1S	
128	SPIRE PLW Ch29-32 . SHD29		SPA.S -		S114	TS2CC-28	29	114-1	CS-S114-1	HSDCU	17	122300 P015	047	1S	1S	
-																
068	SPIRE PLW Ch29-32 . 30+		SPA.S -		S114	TS2CC-28	30	114-2		HSDCU	17	122300 P015	031	1S	1S	
057	SPIRE PLW Ch29-32 . 30-		SPA.S -		S114	TS2CC-28	30	114-2		HSDCU	17	122300 P015	015	1S	1S	
128	SPIRE PLW Ch29-32 . SHD30		SPA.S -		S114	TS2CC-28	30	114-2	CS-S114-2	HSDCU	17	122300 P015	048	1S	1S	
-																
069	SPIRE PLW Ch29-32 . 31+		SPA.S -		S114	TS2CC-28	31	114-3		HSDCU	17	122300 P015	032	1S	1S	
080	SPIRE PLW Ch29-32 . 31-		SPA.S -		S114	TS2CC-28	31	114-3		HSDCU	17	122300 P015	016	1S	1S	
128	SPIRE PLW Ch29-32 . SHD31		SPA.S -		S114	TS2CC-28	31	114-3	CS-S114-3	HSDCU	17	122300 P015	049	1S	1S	
-																
070	SPIRE PLW Ch29-32 . 32+		SPA.S -		S114	TS2CC-28	32	114-4		HSDCU	17	122300 P015	033	1S	1S	
081	SPIRE PLW Ch29-32 . 32-		SPA.S -		S114	TS2CC-28	32	114-4		HSDCU	17	122300 P015	017	1S	1S	
128	SPIRE PLW Ch29-32 . SHD32		SPA.S -		S114	TS2CC-28	32	114-4	CS-S114-4	HSDCU	17	122300 P015	050	1S	1S	
-																
128	SPIRE PMW B06 GND WIRE A2		SPX.S -		S462	T01C0-26				HSDCU	17	122300 P015	009	1S	1S	
-																
023	SPIRE PLW Ch33-36 . 33+		SPA.S -		S115	TS2CC-28	33	115-1		HSDCU	17	122300 P016	001	1S	1S	
034	SPIRE PLW Ch33-36 . 33-		SPA.S -		S115	TS2CC-28	33	115-1		HSDCU	17	122300 P016	018	1S	1S	
004	SPIRE PLW Ch33-36 . SHD33		SPA.S -		S115	TS2CC-28	33	115-1	CS-S115-1	HSDCU	17	122300 P016	034	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
033	SPIRE PLW Ch33-36 . 34+		SPA.S -		S115	TS2CC-28	34	115-2		HSDCU	17	122300 P016	002	1S	1S	
045	SPIRE PLW Ch33-36 . 34-		SPA.S -		S115	TS2CC-28	34	115-2		HSDCU	17	122300 P016	019	1S	1S	
004	SPIRE PLW Ch33-36 . SHD34		SPA.S -		S115	TS2CC-28	34	115-2	CS-S115-2	HSDCU	17	122300 P016	035	1S	1S	
-																
044	SPIRE PLW Ch33-36 . 35+		SPA.S -		S115	TS2CC-28	35	115-3		HSDCU	17	122300 P016	003	1S	1S	
056	SPIRE PLW Ch33-36 . 35-		SPA.S -		S115	TS2CC-28	35	115-3		HSDCU	17	122300 P016	020	1S	1S	
004	SPIRE PLW Ch33-36 . SHD35		SPA.S -		S115	TS2CC-28	35	115-3	CS-S115-3	HSDCU	17	122300 P016	036	1S	1S	
-																
022	SPIRE PLW Ch33-36 . 36+		SPA.S -		S115	TS2CC-28	36	115-4		HSDCU	17	122300 P016	004	1S	1S	
032	SPIRE PLW Ch33-36 . 36-		SPA.S -		S115	TS2CC-28	36	115-4		HSDCU	17	122300 P016	021	1S	1S	
004	SPIRE PLW Ch33-36 . SHD36		SPA.S -		S115	TS2CC-28	36	115-4	CS-S115-4	HSDCU	17	122300 P016	037	1S	1S	
-																
013	SPIRE PLW Ch37-40 . 37+		SPA.S -		S118	TS2CC-28	37	118-1		HSDCU	17	122300 P016	005	1S	1S	
012	SPIRE PLW Ch37-40 . 37-		SPA.S -		S118	TS2CC-28	37	118-1		HSDCU	17	122300 P016	022	1S	1S	
004	SPIRE PLW Ch37-40 . SHD37		SPA.S -		S118	TS2CC-28	37	118-1	CS-S118-1	HSDCU	17	122300 P016	038	1S	1S	
-																
021	SPIRE PLW Ch37-40 . 38+		SPA.S -		S118	TS2CC-28	38	118-2		HSDCU	17	122300 P016	006	1S	1S	
020	SPIRE PLW Ch37-40 . 38-		SPA.S -		S118	TS2CC-28	38	118-2		HSDCU	17	122300 P016	023	1S	1S	
004	SPIRE PLW Ch37-40 . SHD38		SPA.S -		S118	TS2CC-28	38	118-2	CS-S118-2	HSDCU	17	122300 P016	039	1S	1S	
-																
031	SPIRE PLW Ch37-40 . 39+		SPA.S -		S118	TS2CC-28	39	118-3		HSDCU	17	122300 P016	007	1S	1S	
043	SPIRE PLW Ch37-40 . 39-		SPA.S -		S118	TS2CC-28	39	118-3		HSDCU	17	122300 P016	024	1S	1S	
004	SPIRE PLW Ch37-40 . SHD39		SPA.S -		S118	TS2CC-28	39	118-3	CS-S118-3	HSDCU	17	122300 P016	040	1S	1S	
-																
042	SPIRE PLW Ch37-40 . 40+		SPA.S -		S118	TS2CC-28	40	118-4		HSDCU	17	122300 P016	008	1S	1S	
054	SPIRE PLW Ch37-40 . 40-		SPA.S -		S118	TS2CC-28	40	118-4		HSDCU	17	122300 P016	025	1S	1S	
004	SPIRE PLW Ch37-40 . SHD40		SPA.S -		S118	TS2CC-28	40	118-4	CS-S118-4	HSDCU	17	122300 P016	041	1S	1S	
-																
-																
010	SPIRE PLW Ch41-44 . 41+		SPA.S -		S119	TS2CC-28	41	119-1		HSDCU	17	122300 P016	026	1S	1S	
011	SPIRE PLW Ch41-44 . 41-		SPA.S -		S119	TS2CC-28	41	119-1		HSDCU	17	122300 P016	010	1S	1S	
004	SPIRE PLW Ch41-44 . SHD41		SPA.S -		S119	TS2CC-28	41	119-1	CS-S119-1	HSDCU	17	122300 P016	043	1S	1S	
-																
019	SPIRE PLW Ch41-44 . 42+		SPA.S -		S119	TS2CC-28	42	119-2		HSDCU	17	122300 P016	027	1S	1S	

Pin Allocation List (Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
029	SPIRE PLW Ch41-44 . 42-		SPA.S -		S119	TS2CC-28	42	119-2		HSDCU	17	122300 P016	011	1S	1S	
004	SPIRE PLW Ch41-44 . SHD42		SPA.S -		S119	TS2CC-28	42	119-2	CS-S119-2	HSDCU	17	122300 P016	044	1S	1S	
-																
041	SPIRE PLW Ch41-44 . 43+		SPA.S -		S119	TS2CC-28	43	119-3		HSDCU	17	122300 P016	028	1S	1S	
030	SPIRE PLW Ch41-44 . 43-		SPA.S -		S119	TS2CC-28	43	119-3		HSDCU	17	122300 P016	012	1S	1S	
004	SPIRE PLW Ch41-44 . SHD43		SPA.S -		S119	TS2CC-28	43	119-3	CS-S119-3	HSDCU	17	122300 P016	045	1S	1S	
-																
053	SPIRE PLW Ch41-44 . 44+		SPA.S -		S119	TS2CC-28	44	119-4		HSDCU	17	122300 P016	029	1S	1S	
052	SPIRE PLW Ch41-44 . 44-		SPA.S -		S119	TS2CC-28	44	119-4		HSDCU	17	122300 P016	013	1S	1S	
004	SPIRE PLW Ch41-44 . SHD44		SPA.S -		S119	TS2CC-28	44	119-4	CS-S119-4	HSDCU	17	122300 P016	046	1S	1S	
-																
009	SPIRE PLW Ch45-48 . 45+		SPA.S -		S120	TS2CC-28	45	120-1		HSDCU	17	122300 P016	030	1S	1S	
017	SPIRE PLW Ch45-48 . 45-		SPA.S -		S120	TS2CC-28	45	120-1		HSDCU	17	122300 P016	014	1S	1S	
004	SPIRE PLW Ch45-48 . SHD45		SPA.S -		S120	TS2CC-28	45	120-1	CS-S120-1	HSDCU	17	122300 P016	047	1S	1S	
-																
018	SPIRE PLW Ch45-48 . 46+		SPA.S -		S120	TS2CC-28	46	120-2		HSDCU	17	122300 P016	031	1S	1S	
028	SPIRE PLW Ch45-48 . 46-		SPA.S -		S120	TS2CC-28	46	120-2		HSDCU	17	122300 P016	015	1S	1S	
004	SPIRE PLW Ch45-48 . SHD46		SPA.S -		S120	TS2CC-28	46	120-2	CS-S120-2	HSDCU	17	122300 P016	048	1S	1S	
-																
016	SPIRE PLW Ch45-48 . 47+		SPA.S -		S120	TS2CC-28	47	120-3		HSDCU	17	122300 P016	032	1S	1S	
027	SPIRE PLW Ch45-48 . 47-		SPA.S -		S120	TS2CC-28	47	120-3		HSDCU	17	122300 P016	016	1S	1S	
004	SPIRE PLW Ch45-48 . SHD47		SPA.S -		S120	TS2CC-28	47	120-3	CS-S120-3	HSDCU	17	122300 P016	049	1S	1S	
-																
040	SPIRE PLW Ch45-48 . 48+		SPA.S -		S120	TS2CC-28	48	120-4		HSDCU	17	122300 P016	033	1S	1S	
039	SPIRE PLW Ch45-48 . 48-		SPA.S -		S120	TS2CC-28	48	120-4		HSDCU	17	122300 P016	017	1S	1S	
004	SPIRE PLW Ch45-48 . SHD48		SPA.S -		S120	TS2CC-28	48	120-4	CS-S120-4	HSDCU	17	122300 P016	050	1S	1S	
-																
004	SPIRE PMW B06 GND WIRE A4		SPX.S -		S464	T01C0-26				HSDCU	17	122300 P016	009	1S	1S	
-																
047	Interconnection Star Pin		-						star pin for shield interconnection						1S	
036	to be con to pin 047														1S	
128	to be con to pin 047														1S	
004	to be con to pin 047														1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
002	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
003	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
005	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
006	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
007	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
008	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
014	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
015	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
024	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
025	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
035	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
082	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
093	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
094	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
104	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
105	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
114	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
115	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
121	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
122	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
123	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
124	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
125	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
126	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
127	to be con as part of FCR								Faraday Cage Ring (FCR)					1S	
-															
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS					1S	
-														1S	
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS					1S	
-														1S	

Pin Allocation List (Harness)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 122300 P016

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PLW Ch33-36 . 33+		SPA.S -		S115	TS2CC-28	33	115-1			HSSVMCB2	27	312200 P003	023	1S 1S
018	SPIRE PLW Ch33-36 . 33-		SPA.S -		S115	TS2CC-28	33	115-1			HSSVMCB2	27	312200 P003	034	1S 1S
034	SPIRE PLW Ch33-36 . SHD33		SPA.S -		S115	TS2CC-28	33	115-1	CS-S115-1		HSSVMCB2	27	312200 P003	004	1S 1S
-															
002	SPIRE PLW Ch33-36 . 34+		SPA.S -		S115	TS2CC-28	34	115-2			HSSVMCB2	27	312200 P003	033	1S 1S
019	SPIRE PLW Ch33-36 . 34-		SPA.S -		S115	TS2CC-28	34	115-2			HSSVMCB2	27	312200 P003	045	1S 1S
035	SPIRE PLW Ch33-36 . SHD34		SPA.S -		S115	TS2CC-28	34	115-2	CS-S115-2		HSSVMCB2	27	312200 P003	004	1S 1S
-															
003	SPIRE PLW Ch33-36 . 35+		SPA.S -		S115	TS2CC-28	35	115-3			HSSVMCB2	27	312200 P003	044	1S 1S
020	SPIRE PLW Ch33-36 . 35-		SPA.S -		S115	TS2CC-28	35	115-3			HSSVMCB2	27	312200 P003	056	1S 1S
036	SPIRE PLW Ch33-36 . SHD35		SPA.S -		S115	TS2CC-28	35	115-3	CS-S115-3		HSSVMCB2	27	312200 P003	004	1S 1S
-															
004	SPIRE PLW Ch33-36 . 36+		SPA.S -		S115	TS2CC-28	36	115-4			HSSVMCB2	27	312200 P003	022	1S 1S
021	SPIRE PLW Ch33-36 . 36-		SPA.S -		S115	TS2CC-28	36	115-4			HSSVMCB2	27	312200 P003	032	1S 1S
037	SPIRE PLW Ch33-36 . SHD36		SPA.S -		S115	TS2CC-28	36	115-4	CS-S115-4		HSSVMCB2	27	312200 P003	004	1S 1S
-															
005	SPIRE PLW Ch37-40 . 37+		SPA.S -		S118	TS2CC-28	37	118-1			HSSVMCB2	27	312200 P003	013	1S 1S
022	SPIRE PLW Ch37-40 . 37-		SPA.S -		S118	TS2CC-28	37	118-1			HSSVMCB2	27	312200 P003	012	1S 1S
038	SPIRE PLW Ch37-40 . SHD37		SPA.S -		S118	TS2CC-28	37	118-1	CS-S118-1		HSSVMCB2	27	312200 P003	004	1S 1S
-															
006	SPIRE PLW Ch37-40 . 38+		SPA.S -		S118	TS2CC-28	38	118-2			HSSVMCB2	27	312200 P003	021	1S 1S
023	SPIRE PLW Ch37-40 . 38-		SPA.S -		S118	TS2CC-28	38	118-2			HSSVMCB2	27	312200 P003	020	1S 1S
039	SPIRE PLW Ch37-40 . SHD38		SPA.S -		S118	TS2CC-28	38	118-2	CS-S118-2		HSSVMCB2	27	312200 P003	004	1S 1S
-															
007	SPIRE PLW Ch37-40 . 39+		SPA.S -		S118	TS2CC-28	39	118-3			HSSVMCB2	27	312200 P003	031	1S 1S
024	SPIRE PLW Ch37-40 . 39-		SPA.S -		S118	TS2CC-28	39	118-3			HSSVMCB2	27	312200 P003	043	1S 1S
040	SPIRE PLW Ch37-40 . SHD39		SPA.S -		S118	TS2CC-28	39	118-3	CS-S118-3		HSSVMCB2	27	312200 P003	004	1S 1S
-															
008	SPIRE PLW Ch37-40 . 40+		SPA.S -		S118	TS2CC-28	40	118-4			HSSVMCB2	27	312200 P003	042	1S 1S
025	SPIRE PLW Ch37-40 . 40-		SPA.S -		S118	TS2CC-28	40	118-4			HSSVMCB2	27	312200 P003	054	1S 1S
041	SPIRE PLW Ch37-40 . SHD40		SPA.S -		S118	TS2CC-28	40	118-4	CS-S118-4		HSSVMCB2	27	312200 P003	004	1S 1S
-															
026	SPIRE PLW Ch41-44 . 41+		SPA.S -		S119	TS2CC-28	41	119-1			HSSVMCB2	27	312200 P003	010	1S 1S
010	SPIRE PLW Ch41-44 . 41-		SPA.S -		S119	TS2CC-28	41	119-1			HSSVMCB2	27	312200 P003	011	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P016
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PLW Ch41-44 . SHD41		SPA.S -		S119	TS2CC-28	41	119-1	CS-S119-1	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
027	SPIRE PLW Ch41-44 . 42+		SPA.S -		S119	TS2CC-28	42	119-2		HSSVMCB2	27	312200 P003	019	1S	1S	
011	SPIRE PLW Ch41-44 . 42-		SPA.S -		S119	TS2CC-28	42	119-2		HSSVMCB2	27	312200 P003	029	1S	1S	
044	SPIRE PLW Ch41-44 . SHD42		SPA.S -		S119	TS2CC-28	42	119-2	CS-S119-2	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
028	SPIRE PLW Ch41-44 . 43+		SPA.S -		S119	TS2CC-28	43	119-3		HSSVMCB2	27	312200 P003	041	1S	1S	
012	SPIRE PLW Ch41-44 . 43-		SPA.S -		S119	TS2CC-28	43	119-3		HSSVMCB2	27	312200 P003	030	1S	1S	
045	SPIRE PLW Ch41-44 . SHD43		SPA.S -		S119	TS2CC-28	43	119-3	CS-S119-3	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
029	SPIRE PLW Ch41-44 . 44+		SPA.S -		S119	TS2CC-28	44	119-4		HSSVMCB2	27	312200 P003	053	1S	1S	
013	SPIRE PLW Ch41-44 . 44-		SPA.S -		S119	TS2CC-28	44	119-4		HSSVMCB2	27	312200 P003	052	1S	1S	
046	SPIRE PLW Ch41-44 . SHD44		SPA.S -		S119	TS2CC-28	44	119-4	CS-S119-4	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
030	SPIRE PLW Ch45-48 . 45+		SPA.S -		S120	TS2CC-28	45	120-1		HSSVMCB2	27	312200 P003	009	1S	1S	
014	SPIRE PLW Ch45-48 . 45-		SPA.S -		S120	TS2CC-28	45	120-1		HSSVMCB2	27	312200 P003	017	1S	1S	
047	SPIRE PLW Ch45-48 . SHD45		SPA.S -		S120	TS2CC-28	45	120-1	CS-S120-1	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
031	SPIRE PLW Ch45-48 . 46+		SPA.S -		S120	TS2CC-28	46	120-2		HSSVMCB2	27	312200 P003	018	1S	1S	
015	SPIRE PLW Ch45-48 . 46-		SPA.S -		S120	TS2CC-28	46	120-2		HSSVMCB2	27	312200 P003	028	1S	1S	
048	SPIRE PLW Ch45-48 . SHD46		SPA.S -		S120	TS2CC-28	46	120-2	CS-S120-2	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
032	SPIRE PLW Ch45-48 . 47+		SPA.S -		S120	TS2CC-28	47	120-3		HSSVMCB2	27	312200 P003	016	1S	1S	
016	SPIRE PLW Ch45-48 . 47-		SPA.S -		S120	TS2CC-28	47	120-3		HSSVMCB2	27	312200 P003	027	1S	1S	
049	SPIRE PLW Ch45-48 . SHD47		SPA.S -		S120	TS2CC-28	47	120-3	CS-S120-3	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
033	SPIRE PLW Ch45-48 . 48+		SPA.S -		S120	TS2CC-28	48	120-4		HSSVMCB2	27	312200 P003	040	1S	1S	
017	SPIRE PLW Ch45-48 . 48-		SPA.S -		S120	TS2CC-28	48	120-4		HSSVMCB2	27	312200 P003	039	1S	1S	
050	SPIRE PLW Ch45-48 . SHD48		SPA.S -		S120	TS2CC-28	48	120-4	CS-S120-4	HSSVMCB2	27	312200 P003	004	1S	1S	
-																
009	SPIRE PMW B06 GND WIRE A4		SPX.S -		S464	T01C0-26				HSSVMCB2	27	312200 P003	004	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P016
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 527 (of 666)

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Pin Allocation List

(Harness)

Connector: 122300 P015
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PLW Ch17-20 . 17+		SPA.S -		S110	TS2CC-28	17	110-1		HSSVMCB2	27	312200 P003	055	1S	1S	
018	SPIRE PLW Ch17-20 . 17-		SPA.S -		S110	TS2CC-28	17	110-1		HSSVMCB2	27	312200 P003	066	1S	1S	
034	SPIRE PLW Ch17-20 . SHD17		SPA.S -		S110	TS2CC-28	17	110-1	CS-S110-1	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
002	SPIRE PLW Ch17-20 . 18+		SPA.S -		S110	TS2CC-28	18	110-2		HSSVMCB2	27	312200 P003	067	1S	1S	
019	SPIRE PLW Ch17-20 . 18-		SPA.S -		S110	TS2CC-28	18	110-2		HSSVMCB2	27	312200 P003	078	1S	1S	
035	SPIRE PLW Ch17-20 . SHD18		SPA.S -		S110	TS2CC-28	18	110-2	CS-S110-2	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
003	SPIRE PLW Ch17-20 . 19+		SPA.S -		S110	TS2CC-28	19	110-3		HSSVMCB2	27	312200 P003	076	1S	1S	
020	SPIRE PLW Ch17-20 . 19-		SPA.S -		S110	TS2CC-28	19	110-3		HSSVMCB2	27	312200 P003	077	1S	1S	
036	SPIRE PLW Ch17-20 . SHD19		SPA.S -		S110	TS2CC-28	19	110-3	CS-S110-3	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
004	SPIRE PLW Ch17-20 . 20+		SPA.S -		S110	TS2CC-28	20	110-4		HSSVMCB2	27	312200 P003	088	1S	1S	
021	SPIRE PLW Ch17-20 . 20-		SPA.S -		S110	TS2CC-28	20	110-4		HSSVMCB2	27	312200 P003	089	1S	1S	
037	SPIRE PLW Ch17-20 . SHD20		SPA.S -		S110	TS2CC-28	20	110-4	CS-S110-4	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
005	SPIRE PLW Ch21-24 . 21+		SPA.S -		S111	TS2CC-28	21	111-1		HSSVMCB2	27	312200 P003	099	1S	1S	
022	SPIRE PLW Ch21-24 . 21-		SPA.S -		S111	TS2CC-28	21	111-1		HSSVMCB2	27	312200 P003	100	1S	1S	
038	SPIRE PLW Ch21-24 . SHD21		SPA.S -		S111	TS2CC-28	21	111-1	CS-S111-1	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
006	SPIRE PLW Ch21-24 . 22+		SPA.S -		S111	TS2CC-28	22	111-2		HSSVMCB2	27	312200 P003	110	1S	1S	
023	SPIRE PLW Ch21-24 . 22-		SPA.S -		S111	TS2CC-28	22	111-2		HSSVMCB2	27	312200 P003	111	1S	1S	
039	SPIRE PLW Ch21-24 . SHD22		SPA.S -		S111	TS2CC-28	22	111-2	CS-S111-2	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
007	SPIRE PLW Ch21-24 . 23+		SPA.S -		S111	TS2CC-28	23	111-3		HSSVMCB2	27	312200 P003	118	1S	1S	
024	SPIRE PLW Ch21-24 . 23-		SPA.S -		S111	TS2CC-28	23	111-3		HSSVMCB2	27	312200 P003	119	1S	1S	
040	SPIRE PLW Ch21-24 . SHD23		SPA.S -		S111	TS2CC-28	23	111-3	CS-S111-3	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
008	SPIRE PLW Ch21-24 . 24+		SPA.S -		S111	TS2CC-28	24	111-4		HSSVMCB2	27	312200 P003	112	1S	1S	
025	SPIRE PLW Ch21-24 . 24-		SPA.S -		S111	TS2CC-28	24	111-4		HSSVMCB2	27	312200 P003	120	1S	1S	
041	SPIRE PLW Ch21-24 . SHD24		SPA.S -		S111	TS2CC-28	24	111-4	CS-S111-4	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
026	SPIRE PLW Ch25-28 . 25+		SPA.S -		S113	TS2CC-28	25	113-1		HSSVMCB2	27	312200 P003	090	1S	1S	
010	SPIRE PLW Ch25-28 . 25-		SPA.S -		S113	TS2CC-28	25	113-1		HSSVMCB2	27	312200 P003	079	1S	1S	

Pin Allocation List

(Harness)

Connector: 122300 P015
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PLW Ch25-28 . SHD25		SPA.S -		S113	TS2CC-28	25	113-1	CS-S113-1	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
027	SPIRE PLW Ch25-28 . 26+		SPA.S -		S113	TS2CC-28	26	113-2		HSSVMCB2	27	312200 P003	102	1S	1S	
011	SPIRE PLW Ch25-28 . 26-		SPA.S -		S113	TS2CC-28	26	113-2		HSSVMCB2	27	312200 P003	101	1S	1S	
044	SPIRE PLW Ch25-28 . SHD26		SPA.S -		S113	TS2CC-28	26	113-2	CS-113-2	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
028	SPIRE PLW Ch25-28 . 27+		SPA.S -		S113	TS2CC-28	27	113-3		HSSVMCB2	27	312200 P003	092	1S	1S	
012	SPIRE PLW Ch25-28 . 27-		SPA.S -		S113	TS2CC-28	27	113-3		HSSVMCB2	27	312200 P003	091	1S	1S	
045	SPIRE PLW Ch25-28 . SHD27		SPA.S -		S113	TS2CC-28	27	113-3	CS-S113-3	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
029	SPIRE PLW Ch25-28 . 28+		SPA.S -		S113	TS2CC-28	28	113-4		HSSVMCB2	27	312200 P003	103	1S	1S	
013	SPIRE PLW Ch25-28 . 28-		SPA.S -		S113	TS2CC-28	28	113-4		HSSVMCB2	27	312200 P003	113	1S	1S	
046	SPIRE PLW Ch25-28 . SHD28		SPA.S -		S113	TS2CC-28	28	113-4	CS-S113-4	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
030	SPIRE PLW Ch29-32 . 29+		SPA.S -		S114	TS2CC-28	29	114-1		HSSVMCB2	27	312200 P003	058	1S	1S	
014	SPIRE PLW Ch29-32 . 29-		SPA.S -		S114	TS2CC-28	29	114-1		HSSVMCB2	27	312200 P003	046	1S	1S	
047	SPIRE PLW Ch29-32 . SHD29		SPA.S -		S114	TS2CC-28	29	114-1	CS-S114-1	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
031	SPIRE PLW Ch29-32 . 30+		SPA.S -		S114	TS2CC-28	30	114-2		HSSVMCB2	27	312200 P003	068	1S	1S	
015	SPIRE PLW Ch29-32 . 30-		SPA.S -		S114	TS2CC-28	30	114-2		HSSVMCB2	27	312200 P003	057	1S	1S	
048	SPIRE PLW Ch29-32 . SHD30		SPA.S -		S114	TS2CC-28	30	114-2	CS-S114-2	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
032	SPIRE PLW Ch29-32 . 31+		SPA.S -		S114	TS2CC-28	31	114-3		HSSVMCB2	27	312200 P003	069	1S	1S	
016	SPIRE PLW Ch29-32 . 31-		SPA.S -		S114	TS2CC-28	31	114-3		HSSVMCB2	27	312200 P003	080	1S	1S	
049	SPIRE PLW Ch29-32 . SHD31		SPA.S -		S114	TS2CC-28	31	114-3	CS-S114-3	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
033	SPIRE PLW Ch29-32 . 32+		SPA.S -		S114	TS2CC-28	32	114-4		HSSVMCB2	27	312200 P003	070	1S	1S	
017	SPIRE PLW Ch29-32 . 32-		SPA.S -		S114	TS2CC-28	32	114-4		HSSVMCB2	27	312200 P003	081	1S	1S	
050	SPIRE PLW Ch29-32 . SHD32		SPA.S -		S114	TS2CC-28	32	114-4	CS-S114-4	HSSVMCB2	27	312200 P003	128	1S	1S	
-																
009	SPIRE PMW B06 GND WIRE A2		SPX.S -		S462	T01C0-26				HSSVMCB2	27	312200 P003	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P015
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P014
Item: HSDCU

Function / Bundle: DCU JFP PLW Ch 1-16 (S06)

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PLW Ch01-04 . 1+		SPA.S -		S104	TS2CC-28	1	104-1			HSSVMCB2	27	312200 P003	026	1S 1S
018	SPIRE PLW Ch01-04 . 1-		SPA.S -		S104	TS2CC-28	1	104-1			HSSVMCB2	27	312200 P003	037	1S 1S
034	SPIRE PLW Ch01-04 . SHD01		SPA.S -		S104	TS2CC-28	1	104-1	CS-S104-1		HSSVMCB2	27	312200 P003	036	1S 1S
-															
002	SPIRE PLW Ch01-04 . 2+		SPA.S -		S104	TS2CC-28	2	104-2			HSSVMCB2	27	312200 P003	038	1S 1S
019	SPIRE PLW Ch01-04 . 2-		SPA.S -		S104	TS2CC-28	2	104-2			HSSVMCB2	27	312200 P003	049	1S 1S
035	SPIRE PLW Ch01-04 . SHD02		SPA.S -		S104	TS2CC-28	2	104-2	CS-S104-2		HSSVMCB2	27	312200 P003	036	1S 1S
-															
003	SPIRE PLW Ch01-04 . 3+		SPA.S -		S104	TS2CC-28	3	104-3			HSSVMCB2	27	312200 P003	048	1S 1S
020	SPIRE PLW Ch01-04 . 3-		SPA.S -		S104	TS2CC-28	3	104-3			HSSVMCB2	27	312200 P003	060	1S 1S
036	SPIRE PLW Ch01-04 . SHD03		SPA.S -		S104	TS2CC-28	3	104-3	CS-S104-3		HSSVMCB2	27	312200 P003	036	1S 1S
-															
004	SPIRE PLW Ch01-04 . 4+		SPA.S -		S104	TS2CC-28	4	104-4			HSSVMCB2	27	312200 P003	059	1S 1S
021	SPIRE PLW Ch01-04 . 4-		SPA.S -		S104	TS2CC-28	4	104-4			HSSVMCB2	27	312200 P003	071	1S 1S
037	SPIRE PLW Ch01-04 . SHD04		SPA.S -		S104	TS2CC-28	4	104-4	CS-S104-4		HSSVMCB2	27	312200 P003	036	1S 1S
-															
005	SPIRE PLW Ch05-08 . 5+		SPA.S -		S105	TS2CC-28	5	105-1			HSSVMCB2	27	312200 P003	050	1S 1S
022	SPIRE PLW Ch05-08 . 5-		SPA.S -		S105	TS2CC-28	5	105-1			HSSVMCB2	27	312200 P003	061	1S 1S
038	SPIRE PLW Ch05-08 . SHD05		SPA.S -		S105	TS2CC-28	5	105-1	CS-S105-1		HSSVMCB2	27	312200 P003	036	1S 1S
-															
006	SPIRE PLW Ch05-08 . 6+		SPA.S -		S105	TS2CC-28	6	105-2			HSSVMCB2	27	312200 P003	062	1S 1S
023	SPIRE PLW Ch05-08 . 6-		SPA.S -		S105	TS2CC-28	6	105-2			HSSVMCB2	27	312200 P003	051	1S 1S
039	SPIRE PLW Ch05-08 . SHD06		SPA.S -		S105	TS2CC-28	6	105-2	CS-S105-2		HSSVMCB2	27	312200 P003	036	1S 1S
-															
007	SPIRE PLW Ch05-08 . 7+		SPA.S -		S105	TS2CC-28	7	105-3			HSSVMCB2	27	312200 P003	063	1S 1S
024	SPIRE PLW Ch05-08 . 7-		SPA.S -		S105	TS2CC-28	7	105-3			HSSVMCB2	27	312200 P003	075	1S 1S
040	SPIRE PLW Ch05-08 . SHD07		SPA.S -		S105	TS2CC-28	7	105-3	CS-S105-3		HSSVMCB2	27	312200 P003	036	1S 1S
-															
008	SPIRE PLW Ch05-08 . 8+		SPA.S -		S105	TS2CC-28	8	105-4			HSSVMCB2	27	312200 P003	074	1S 1S
025	SPIRE PLW Ch05-08 . 8-		SPA.S -		S105	TS2CC-28	8	105-4			HSSVMCB2	27	312200 P003	073	1S 1S
041	SPIRE PLW Ch05-08 . SHD08		SPA.S -		S105	TS2CC-28	8	105-4	CS-S105-4		HSSVMCB2	27	312200 P003	036	1S 1S
-															
026	SPIRE PLW Ch09-12 . 9+		SPA.S -		S106	TS2CC-28	9	106-1			HSSVMCB2	27	312200 P003	083	1S 1S
010	SPIRE PLW Ch09-12 . 9-		SPA.S -		S106	TS2CC-28	9	106-1			HSSVMCB2	27	312200 P003	072	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P014
Item: HSDCU

Function / Bundle: DCU JFP PLW Ch 1-16 (S06)

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PLW Ch09-12 . SHD09		SPA.S -		S106	TS2CC-28	9	106-1	CS-S106-1	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
027	SPIRE PLW Ch09-12 . 10+		SPA.S -		S106	TS2CC-28	10	106-2		HSSVMCB2	27	312200 P003	095	1S	1S	
011	SPIRE PLW Ch09-12 . 10-		SPA.S -		S106	TS2CC-28	10	106-2		HSSVMCB2	27	312200 P003	084	1S	1S	
044	SPIRE PLW Ch09-12 . SHD10		SPA.S -		S106	TS2CC-28	10	106-2	CS-S106-2	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
028	SPIRE PLW Ch09-12 . 11+		SPA.S -		S106	TS2CC-28	11	106-3		HSSVMCB2	27	312200 P003	096	1S	1S	
012	SPIRE PLW Ch09-12 . 11-		SPA.S -		S106	TS2CC-28	11	106-3		HSSVMCB2	27	312200 P003	085	1S	1S	
045	SPIRE PLW Ch09-12 . SHD11		SPA.S -		S106	TS2CC-28	11	106-3	CS-S106-3	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
029	SPIRE PLW Ch09-12 . 12+		SPA.S -		S106	TS2CC-28	12	106-4		HSSVMCB2	27	312200 P003	106	1S	1S	
013	SPIRE PLW Ch09-12 . 12-		SPA.S -		S106	TS2CC-28	12	106-4		HSSVMCB2	27	312200 P003	107	1S	1S	
046	SPIRE PLW Ch09-12 . SHD12		SPA.S -		S106	TS2CC-28	12	106-4	CS-S106-4	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
030	SPIRE PLW Ch13-16 . 13+		SPA.S -		S109	TS2CC-28	13	109-1		HSSVMCB2	27	312200 P003	086	1S	1S	
014	SPIRE PLW Ch13-16 . 13-		SPA.S -		S109	TS2CC-28	13	109-1		HSSVMCB2	27	312200 P003	087	1S	1S	
047	SPIRE PLW Ch13-16 . SHD13		SPA.S -		S109	TS2CC-28	13	109-1	CS-S109-1	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
031	SPIRE PLW Ch13-16 . 14+		SPA.S -		S109	TS2CC-28	14	109-2		HSSVMCB2	27	312200 P003	097	1S	1S	
015	SPIRE PLW Ch13-16 . 14-		SPA.S -		S109	TS2CC-28	14	109-2		HSSVMCB2	27	312200 P003	098	1S	1S	
048	SPIRE PLW Ch13-16 . SHD14		SPA.S -		S109	TS2CC-28	14	109-2	CS-S109-2	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
032	SPIRE PLW Ch13-16 . 15+		SPA.S -		S109	TS2CC-28	15	109-3		HSSVMCB2	27	312200 P003	108	1S	1S	
016	SPIRE PLW Ch13-16 . 15-		SPA.S -		S109	TS2CC-28	15	109-3		HSSVMCB2	27	312200 P003	109	1S	1S	
049	SPIRE PLW Ch13-16 . SHD15		SPA.S -		S109	TS2CC-28	15	109-3	CS-S109-3	HSSVMCB2	27	312200 P003	036	1S	1S	
-																
033	SPIRE PLW Ch13-16 . 16+		SPA.S -		S109	TS2CC-28	16	109-4		HSSVMCB2	27	312200 P003	116	1S	1S	
017	SPIRE PLW Ch13-16 . 16-		SPA.S -		S109	TS2CC-28	16	109-4		HSSVMCB2	27	312200 P003	117	1S	1S	
050	SPIRE PLW Ch13-16 . SHD16		SPA.S -		S109	TS2CC-28	16	109-4	CS-S109-4	HSSVMCB2	27	312200 P003	036	1S	1S	
-															1S	
009	SPIRE PLW B06 GND WIRE A1		SPX.S -		S461	T01C0-26				HSSVMCB2	27	312200 P003	036	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P014
Item: HSDCU

Function / Bundle: DCU JFP PLW Ch 1-16 (S06)

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 535 (of 666)

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Pin Allocation List

(Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW (5) Ch01-04 . 1+		SPC.S -		S158	TS2CC-28	1	158-1			HSDCU	17	122300 P011	001	1S 1S
037	SPIRE PSW (5) Ch01-04 . 1-		SPC.S -		S158	TS2CC-28	1	158-1			HSDCU	17	122300 P011	018	1S 1S
036	SPIRE PSW (5) Ch01-04 . SHD01		SPC.S -		S158	TS2CC-28	1	158-1	CS-S158-1		HSDCU	17	122300 P011	034	1S 1S
-															
038	SPIRE PSW (5) Ch01-04 . 2+		SPC.S -		S158	TS2CC-28	2	158-2			HSDCU	17	122300 P011	002	1S 1S
049	SPIRE PSW (5) Ch01-04 . 2-		SPC.S -		S158	TS2CC-28	2	158-2			HSDCU	17	122300 P011	019	1S 1S
036	SPIRE PSW (5) Ch01-04 . SHD02		SPC.S -		S158	TS2CC-28	2	158-2	CS-S158-2		HSDCU	17	122300 P011	035	1S 1S
-															
048	SPIRE PSW (5) Ch01-04 . 3+		SPC.S -		S158	TS2CC-28	3	158-3			HSDCU	17	122300 P011	003	1S 1S
060	SPIRE PSW (5) Ch01-04 . 3-		SPC.S -		S158	TS2CC-28	3	158-3			HSDCU	17	122300 P011	020	1S 1S
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.S -		S158	TS2CC-28	3	158-3	CS-S158-3		HSDCU	17	122300 P011	036	1S 1S
-															
059	SPIRE PSW (5) Ch01-04 . 4+		SPC.S -		S158	TS2CC-28	4	158-4			HSDCU	17	122300 P011	004	1S 1S
071	SPIRE PSW (5) Ch01-04 . 4-		SPC.S -		S158	TS2CC-28	4	158-4			HSDCU	17	122300 P011	021	1S 1S
036	SPIRE PSW (5) Ch01-04 . SHD04		SPC.S -		S158	TS2CC-28	4	158-4	CS-S158-4		HSDCU	17	122300 P011	037	1S 1S
-															
050	SPIRE PSW (5) Ch05-08 . 5+		SPC.S -		S159	TS2CC-28	5	159-1			HSDCU	17	122300 P011	005	1S 1S
061	SPIRE PSW (5) Ch05-08 . 5-		SPC.S -		S159	TS2CC-28	5	159-1			HSDCU	17	122300 P011	022	1S 1S
036	SPIRE PSW (5) Ch05-08 . SHD05		SPC.S -		S159	TS2CC-28	5	159-1	CS-S159-1		HSDCU	17	122300 P011	038	1S 1S
-															
062	SPIRE PSW (5) Ch05-08 . 6+		SPC.S -		S159	TS2CC-28	6	159-2			HSDCU	17	122300 P011	006	1S 1S
051	SPIRE PSW (5) Ch05-08 . 6-		SPC.S -		S159	TS2CC-28	6	159-2			HSDCU	17	122300 P011	023	1S 1S
036	SPIRE PSW (5) Ch05-08 . SHD06		SPC.S -		S159	TS2CC-28	6	159-2	CS-S159-2		HSDCU	17	122300 P011	039	1S 1S
-															
063	SPIRE PSW (5) Ch05-08 . 7+		SPC.S -		S159	TS2CC-28	7	159-3			HSDCU	17	122300 P011	007	1S 1S
075	SPIRE PSW (5) Ch05-08 . 7-		SPC.S -		S159	TS2CC-28	7	159-3			HSDCU	17	122300 P011	024	1S 1S
036	SPIRE PSW (5) Ch05-08 . SHD07		SPC.S -		S159	TS2CC-28	7	159-3	CS-S159-3		HSDCU	17	122300 P011	040	1S 1S
-															
074	SPIRE PSW (5) Ch05-08 . 8+		SPC.S -		S159	TS2CC-28	8	159-4			HSDCU	17	122300 P011	008	1S 1S
073	SPIRE PSW (5) Ch05-08 . 8-		SPC.S -		S159	TS2CC-28	8	159-4			HSDCU	17	122300 P011	025	1S 1S
036	SPIRE PSW (5) Ch05-08 . SHD08		SPC.S -		S159	TS2CC-28	8	159-4	CS-S159-4		HSDCU	17	122300 P011	041	1S 1S
-															
083	SPIRE PSW (5) Ch09-12 . 9+		SPC.S -		S160	TS2CC-28	9	160-1			HSDCU	17	122300 P011	026	1S 1S
072	SPIRE PSW (5) Ch09-12 . 9-		SPC.S -		S160	TS2CC-28	9	160-1			HSDCU	17	122300 P011	010	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.S -		S160	TS2CC-28	9	160-1		CS-S160-1	HSDCU	17	122300 P011	043	1S	1S
-																
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.S -		S160	TS2CC-28	10	160-2			HSDCU	17	122300 P011	027	1S	1S
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.S -		S160	TS2CC-28	10	160-2			HSDCU	17	122300 P011	011	1S	1S
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.S -		S160	TS2CC-28	10	160-2		CS-S160-2	HSDCU	17	122300 P011	044	1S	1S
-																
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.S -		S160	TS2CC-28	11	160-3			HSDCU	17	122300 P011	028	1S	1S
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.S -		S160	TS2CC-28	11	160-3			HSDCU	17	122300 P011	012	1S	1S
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.S -		S160	TS2CC-28	11	160-3		CS-S160-3	HSDCU	17	122300 P011	045	1S	1S
-																
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.S -		S160	TS2CC-28	12	160-4			HSDCU	17	122300 P011	029	1S	1S
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.S -		S160	TS2CC-28	12	160-4			HSDCU	17	122300 P011	013	1S	1S
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.S -		S160	TS2CC-28	12	160-4		CS-S160-4	HSDCU	17	122300 P011	046	1S	1S
-																
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.S -		S163	TS2CC-28	13	163-1			HSDCU	17	122300 P011	030	1S	1S
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.S -		S163	TS2CC-28	13	163-1			HSDCU	17	122300 P011	014	1S	1S
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.S -		S163	TS2CC-28	13	163-1		CS-S163-1	HSDCU	17	122300 P011	047	1S	1S
-																
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.S -		S163	TS2CC-28	14	163-2			HSDCU	17	122300 P011	031	1S	1S
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.S -		S163	TS2CC-28	14	163-2			HSDCU	17	122300 P011	015	1S	1S
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.S -		S163	TS2CC-28	14	163-2		CS-S163-2	HSDCU	17	122300 P011	048	1S	1S
-																
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.S -		S163	TS2CC-28	15	163-3			HSDCU	17	122300 P011	032	1S	1S
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.S -		S163	TS2CC-28	15	163-3			HSDCU	17	122300 P011	016	1S	1S
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.S -		S163	TS2CC-28	15	163-3		CS-S163-3	HSDCU	17	122300 P011	049	1S	1S
-																
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.S -		S163	TS2CC-28	16	163-4			HSDCU	17	122300 P011	033	1S	1S
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.S -		S163	TS2CC-28	16	163-4			HSDCU	17	122300 P011	017	1S	1S
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.S -		S163	TS2CC-28	16	163-4		CS-S163-4	HSDCU	17	122300 P011	050	1S	1S
-																1S
036	SPIRE PLW B07 GND WIRE A1		SPX.S -		S471	T01C0-26					HSDCU	17	122300 P011	009	1S	1S
-																
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.S -		S164	TS2CC-28	17	164-1			HSDCU	17	122300 P012	001	1S	1S
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.S -		S164	TS2CC-28	17	164-1			HSDCU	17	122300 P012	018	1S	1S

Pin Allocation List

(Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.S -		S164	TS2CC-28	17	164-1	CS-S164-1	HSDCU	17	122300 P012	034	1S	1S	
-																
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.S -		S164	TS2CC-28	18	164-2		HSDCU	17	122300 P012	002	1S	1S	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.S -		S164	TS2CC-28	18	164-2		HSDCU	17	122300 P012	019	1S	1S	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.S -		S164	TS2CC-28	18	164-2	CS-S164-2	HSDCU	17	122300 P012	035	1S	1S	
-																
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.S -		S164	TS2CC-28	19	164-3		HSDCU	17	122300 P012	003	1S	1S	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.S -		S164	TS2CC-28	19	164-3		HSDCU	17	122300 P012	020	1S	1S	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.S -		S164	TS2CC-28	19	164-3	CS-S164-3	HSDCU	17	122300 P012	036	1S	1S	
-																
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.S -		S164	TS2CC-28	20	164-4		HSDCU	17	122300 P012	004	1S	1S	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.S -		S164	TS2CC-28	20	164-4		HSDCU	17	122300 P012	021	1S	1S	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.S -		S164	TS2CC-28	20	164-4	CS-S164-4	HSDCU	17	122300 P012	037	1S	1S	
-																
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.S -		S165	TS2CC-28	21	165-1		HSDCU	17	122300 P012	005	1S	1S	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.S -		S165	TS2CC-28	21	165-1		HSDCU	17	122300 P012	022	1S	1S	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.S -		S165	TS2CC-28	21	165-1	CS-S165-1	HSDCU	17	122300 P012	038	1S	1S	
-																
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.S -		S165	TS2CC-28	22	165-2		HSDCU	17	122300 P012	006	1S	1S	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.S -		S165	TS2CC-28	22	165-2		HSDCU	17	122300 P012	023	1S	1S	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.S -		S165	TS2CC-28	22	165-2	CS-S165-2	HSDCU	17	122300 P012	039	1S	1S	
-																
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.S -		S165	TS2CC-28	23	165-3		HSDCU	17	122300 P012	007	1S	1S	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.S -		S165	TS2CC-28	23	165-3		HSDCU	17	122300 P012	024	1S	1S	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.S -		S165	TS2CC-28	23	165-3	CS-S165-3	HSDCU	17	122300 P012	040	1S	1S	
-																
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.S -		S165	TS2CC-28	24	165-4		HSDCU	17	122300 P012	008	1S	1S	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.S -		S165	TS2CC-28	24	165-4		HSDCU	17	122300 P012	025	1S	1S	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.S -		S165	TS2CC-28	24	165-4	CS-S165-4	HSDCU	17	122300 P012	041	1S	1S	
-																
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.S -		S167	TS2CC-28	25	167-1		HSDCU	17	122300 P012	026	1S	1S	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.S -		S167	TS2CC-28	25	167-1		HSDCU	17	122300 P012	010	1S	1S	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.S -		S167	TS2CC-28	25	167-1	CS-S167-1	HSDCU	17	122300 P012	043	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
102	SPIRE PSW (6) Ch25-28 . 26+		SPC.S -		S167	TS2CC-28	26	167-2		HSDCU	17	122300 P012	027	1S	1S	
101	SPIRE PSW (6) Ch25-28 . 26-		SPC.S -		S167	TS2CC-28	26	167-2		HSDCU	17	122300 P012	011	1S	1S	
128	SPIRE PSW (6) Ch25-28 . SHD26		SPC.S -		S167	TS2CC-28	26	167-2	CS-S167-2	HSDCU	17	122300 P012	044	1S	1S	
-																
092	SPIRE PSW (6) Ch25-28 . 27+		SPC.S -		S167	TS2CC-28	27	167-3		HSDCU	17	122300 P012	028	1S	1S	
091	SPIRE PSW (6) Ch25-28 . 27-		SPC.S -		S167	TS2CC-28	27	167-3		HSDCU	17	122300 P012	012	1S	1S	
128	SPIRE PSW (6) Ch25-28 . SHD27		SPC.S -		S167	TS2CC-28	27	167-3	CS-S167-3	HSDCU	17	122300 P012	045	1S	1S	
-																
103	SPIRE PSW (6) Ch25-28 . 28+		SPC.S -		S167	TS2CC-28	28	167-4		HSDCU	17	122300 P012	029	1S	1S	
113	SPIRE PSW (6) Ch25-28 . 28-		SPC.S -		S167	TS2CC-28	28	167-4		HSDCU	17	122300 P012	013	1S	1S	
128	SPIRE PSW (6) Ch25-28 . SHD28		SPC.S -		S167	TS2CC-28	28	167-4	CS-S167-4	HSDCU	17	122300 P012	046	1S	1S	
-																
058	SPIRE PSW (6) Ch29-32 . 29+		SPC.S -		S168	TS2CC-28	29	168-1		HSDCU	17	122300 P012	030	1S	1S	
046	SPIRE PSW (6) Ch29-32 . 29-		SPC.S -		S168	TS2CC-28	29	168-1		HSDCU	17	122300 P012	014	1S	1S	
128	SPIRE PSW (6) Ch29-32 . SHD29		SPC.S -		S168	TS2CC-28	29	168-1	CS-S168-1	HSDCU	17	122300 P012	047	1S	1S	
-																
068	SPIRE PSW (6) Ch29-32 . 30+		SPC.S -		S168	TS2CC-28	30	168-2		HSDCU	17	122300 P012	031	1S	1S	
057	SPIRE PSW (6) Ch29-32 . 30-		SPC.S -		S168	TS2CC-28	30	168-2		HSDCU	17	122300 P012	015	1S	1S	
128	SPIRE PSW (6) Ch29-32 . SHD30		SPC.S -		S168	TS2CC-28	30	168-2	CS-S168-2	HSDCU	17	122300 P012	048	1S	1S	
-																
069	SPIRE PSW (6) Ch29-32 . 31+		SPC.S -		S168	TS2CC-28	31	168-3		HSDCU	17	122300 P012	032	1S	1S	
080	SPIRE PSW (6) Ch29-32 . 31-		SPC.S -		S168	TS2CC-28	31	168-3		HSDCU	17	122300 P012	016	1S	1S	
128	SPIRE PSW (6) Ch29-32 . SHD31		SPC.S -		S168	TS2CC-28	31	168-3	CS-S168-3	HSDCU	17	122300 P012	049	1S	1S	
-																
070	SPIRE PSW (6) Ch29-32 . 32+		SPC.S -		S168	TS2CC-28	32	168-4		HSDCU	17	122300 P012	033	1S	1S	
081	SPIRE PSW (6) Ch29-32 . 32-		SPC.S -		S168	TS2CC-28	32	168-4		HSDCU	17	122300 P012	017	1S	1S	
128	SPIRE PSW (6) Ch29-32 . SHD32		SPC.S -		S168	TS2CC-28	32	168-4	CS-S168-4	HSDCU	17	122300 P012	050	1S	1S	
-																
128	SPIRE PLW B07 GND WIRE A2		SPX.S -		S472	T01C0-26				HSDCU	17	122300 P012	009	1S	1S	
-																
023	SPIRE PSW (6) Ch33-36 . 33+		SPC.S -		S169	TS2CC-28	33	169-1		HSDCU	17	122300 P013	001	1S	1S	
034	SPIRE PSW (6) Ch33-36 . 33-		SPC.S -		S169	TS2CC-28	33	169-1		HSDCU	17	122300 P013	018	1S	1S	
004	SPIRE PSW (6) Ch33-36 . SHD33		SPC.S -		S169	TS2CC-28	33	169-1	CS-S169-1	HSDCU	17	122300 P013	034	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.S -		S169	TS2CC-28	34	169-2			HSDCU	17	122300 P013	002	1S 1S
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.S -		S169	TS2CC-28	34	169-2			HSDCU	17	122300 P013	019	1S 1S
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.S -		S169	TS2CC-28	34	169-2	CS-S169-2		HSDCU	17	122300 P013	035	1S 1S
-															
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.S -		S169	TS2CC-28	35	169-3			HSDCU	17	122300 P013	003	1S 1S
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.S -		S169	TS2CC-28	35	169-3			HSDCU	17	122300 P013	020	1S 1S
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.S -		S169	TS2CC-28	35	169-3	CS-S169-3		HSDCU	17	122300 P013	036	1S 1S
-															
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.S -		S169	TS2CC-28	36	169-4			HSDCU	17	122300 P013	004	1S 1S
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.S -		S169	TS2CC-28	36	169-4			HSDCU	17	122300 P013	021	1S 1S
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.S -		S169	TS2CC-28	36	169-4	CS-S169-4		HSDCU	17	122300 P013	037	1S 1S
-															
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.S -		S172	TS2CC-28	37	172-1			HSDCU	17	122300 P013	005	1S 1S
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.S -		S172	TS2CC-28	37	172-1			HSDCU	17	122300 P013	022	1S 1S
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.S -		S172	TS2CC-28	37	172-1	CS-S172-1		HSDCU	17	122300 P013	038	1S 1S
-															
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.S -		S172	TS2CC-28	38	172-2			HSDCU	17	122300 P013	006	1S 1S
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.S -		S172	TS2CC-28	38	172-2			HSDCU	17	122300 P013	023	1S 1S
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.S -		S172	TS2CC-28	38	172-2	CS-S172-2		HSDCU	17	122300 P013	039	1S 1S
-															
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.S -		S172	TS2CC-28	39	172-3			HSDCU	17	122300 P013	007	1S 1S
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.S -		S172	TS2CC-28	39	172-3			HSDCU	17	122300 P013	024	1S 1S
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.S -		S172	TS2CC-28	39	172-3	CS-S172-3		HSDCU	17	122300 P013	040	1S 1S
-															
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.S -		S172	TS2CC-28	40	172-4			HSDCU	17	122300 P013	008	1S 1S
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.S -		S172	TS2CC-28	40	172-4			HSDCU	17	122300 P013	025	1S 1S
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.S -		S172	TS2CC-28	40	172-4	CS-S172-4		HSDCU	17	122300 P013	041	1S 1S
-															
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.S -		S173	TS2CC-28	41	173-1			HSDCU	17	122300 P013	026	1S 1S
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.S -		S173	TS2CC-28	41	173-1			HSDCU	17	122300 P013	010	1S 1S
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.S -		S173	TS2CC-28	41	173-1	CS-S173-1		HSDCU	17	122300 P013	043	1S 1S
-															
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.S -		S173	TS2CC-28	42	173-2			HSDCU	17	122300 P013	027	1S 1S
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.S -		S173	TS2CC-28	42	173-2			HSDCU	17	122300 P013	011	1S 1S

Pin Allocation List (Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.S -		S173	TS2CC-28	42	173-2	CS-S173-2	HSDCU	17	122300 P013	044	1S	1S	
-																
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.S -		S173	TS2CC-28	43	173-3		HSDCU	17	122300 P013	028	1S	1S	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.S -		S173	TS2CC-28	43	173-3		HSDCU	17	122300 P013	012	1S	1S	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.S -		S173	TS2CC-28	43	173-3	CS-S173-3	HSDCU	17	122300 P013	045	1S	1S	
-																
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.S -		S173	TS2CC-28	44	173-4		HSDCU	17	122300 P013	029	1S	1S	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.S -		S173	TS2CC-28	44	173-4		HSDCU	17	122300 P013	013	1S	1S	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.S -		S173	TS2CC-28	44	173-4	CS-S173-4	HSDCU	17	122300 P013	046	1S	1S	
-																
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.S -		S174	TS2CC-28	45	174-1		HSDCU	17	122300 P013	030	1S	1S	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.S -		S174	TS2CC-28	45	174-1		HSDCU	17	122300 P013	014	1S	1S	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.S -		S174	TS2CC-28	45	174-1	CS-S174-1	HSDCU	17	122300 P013	047	1S	1S	
-																
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.S -		S174	TS2CC-28	46	174-2		HSDCU	17	122300 P013	031	1S	1S	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.S -		S174	TS2CC-28	46	174-2		HSDCU	17	122300 P013	015	1S	1S	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.S -		S174	TS2CC-28	46	174-2	CS-S174-2	HSDCU	17	122300 P013	048	1S	1S	
-																
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.S -		S174	TS2CC-28	47	174-3		HSDCU	17	122300 P013	032	1S	1S	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.S -		S174	TS2CC-28	47	174-3		HSDCU	17	122300 P013	016	1S	1S	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.S -		S174	TS2CC-28	47	174-3	CS-S174-3	HSDCU	17	122300 P013	049	1S	1S	
-																
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.S -		S174	TS2CC-28	48	174-4		HSDCU	17	122300 P013	033	1S	1S	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.S -		S174	TS2CC-28	48	174-4		HSDCU	17	122300 P013	017	1S	1S	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.S -		S174	TS2CC-28	48	174-4	CS-S174-4	HSDCU	17	122300 P013	050	1S	1S	
-																
004	SPIRE PLW B07 GND WIRE A4		SPX.S -		S474	T01C0-26				HSDCU	17	122300 P013	009	1S	1S	
-																
047	Interconnection Star Pin								star pin for shield interconnection							
004	to be con to pin 047															
036	to be con to pin 047															
128	to be con to pin 047															
-																
001	to be con as part of FCR								Faraday Cage Ring (FCR)							

Pin Allocation List

(Harness)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	2 pins are NC									The following Pins are NC :					

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
Issue : 2.1 Date : 03.08.2006
Sheet : 543 (of 666)

Connector: 312200 P004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 122300 P013
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (6) Ch33-36 . 33+		SPC.S -		S169	TS2CC-28	33	169-1			HSSVMCB2	27	312200 P004	023	1S	1S
018	SPIRE PSW (6) Ch33-36 . 33-		SPC.S -		S169	TS2CC-28	33	169-1			HSSVMCB2	27	312200 P004	034	1S	1S
034	SPIRE PSW (6) Ch33-36 . SHD33		SPC.S -		S169	TS2CC-28	33	169-1	CS-S169-1		HSSVMCB2	27	312200 P004	004	1S	1S
-																
002	SPIRE PSW (6) Ch33-36 . 34+		SPC.S -		S169	TS2CC-28	34	169-2			HSSVMCB2	27	312200 P004	033	1S	1S
019	SPIRE PSW (6) Ch33-36 . 34-		SPC.S -		S169	TS2CC-28	34	169-2			HSSVMCB2	27	312200 P004	045	1S	1S
035	SPIRE PSW (6) Ch33-36 . SHD34		SPC.S -		S169	TS2CC-28	34	169-2	CS-S169-2		HSSVMCB2	27	312200 P004	004	1S	1S
-																
003	SPIRE PSW (6) Ch33-36 . 35+		SPC.S -		S169	TS2CC-28	35	169-3			HSSVMCB2	27	312200 P004	044	1S	1S
020	SPIRE PSW (6) Ch33-36 . 35-		SPC.S -		S169	TS2CC-28	35	169-3			HSSVMCB2	27	312200 P004	056	1S	1S
036	SPIRE PSW (6) Ch33-36 . SHD35		SPC.S -		S169	TS2CC-28	35	169-3	CS-S169-3		HSSVMCB2	27	312200 P004	004	1S	1S
-																
004	SPIRE PSW (6) Ch33-36 . 36+		SPC.S -		S169	TS2CC-28	36	169-4			HSSVMCB2	27	312200 P004	022	1S	1S
021	SPIRE PSW (6) Ch33-36 . 36-		SPC.S -		S169	TS2CC-28	36	169-4			HSSVMCB2	27	312200 P004	032	1S	1S
037	SPIRE PSW (6) Ch33-36 . SHD36		SPC.S -		S169	TS2CC-28	36	169-4	CS-S169-4		HSSVMCB2	27	312200 P004	004	1S	1S
-																
005	SPIRE PSW (6) Ch37-40 . 37+		SPC.S -		S172	TS2CC-28	37	172-1			HSSVMCB2	27	312200 P004	013	1S	1S
022	SPIRE PSW (6) Ch37-40 . 37-		SPC.S -		S172	TS2CC-28	37	172-1			HSSVMCB2	27	312200 P004	012	1S	1S
038	SPIRE PSW (6) Ch37-40 . SHD37		SPC.S -		S172	TS2CC-28	37	172-1	CS-S172-1		HSSVMCB2	27	312200 P004	004	1S	1S
-																
006	SPIRE PSW (6) Ch37-40 . 38+		SPC.S -		S172	TS2CC-28	38	172-2			HSSVMCB2	27	312200 P004	021	1S	1S
023	SPIRE PSW (6) Ch37-40 . 38-		SPC.S -		S172	TS2CC-28	38	172-2			HSSVMCB2	27	312200 P004	020	1S	1S
039	SPIRE PSW (6) Ch37-40 . SHD38		SPC.S -		S172	TS2CC-28	38	172-2	CS-S172-2		HSSVMCB2	27	312200 P004	004	1S	1S
-																
007	SPIRE PSW (6) Ch37-40 . 39+		SPC.S -		S172	TS2CC-28	39	172-3			HSSVMCB2	27	312200 P004	031	1S	1S
024	SPIRE PSW (6) Ch37-40 . 39-		SPC.S -		S172	TS2CC-28	39	172-3			HSSVMCB2	27	312200 P004	043	1S	1S
040	SPIRE PSW (6) Ch37-40 . SHD39		SPC.S -		S172	TS2CC-28	39	172-3	CS-S172-3		HSSVMCB2	27	312200 P004	004	1S	1S
-																
008	SPIRE PSW (6) Ch37-40 . 40+		SPC.S -		S172	TS2CC-28	40	172-4			HSSVMCB2	27	312200 P004	042	1S	1S
025	SPIRE PSW (6) Ch37-40 . 40-		SPC.S -		S172	TS2CC-28	40	172-4			HSSVMCB2	27	312200 P004	054	1S	1S
041	SPIRE PSW (6) Ch37-40 . SHD40		SPC.S -		S172	TS2CC-28	40	172-4	CS-S172-4		HSSVMCB2	27	312200 P004	004	1S	1S
-																
026	SPIRE PSW (6) Ch41-44 . 41+		SPC.S -		S173	TS2CC-28	41	173-1			HSSVMCB2	27	312200 P004	010	1S	1S
010	SPIRE PSW (6) Ch41-44 . 41-		SPC.S -		S173	TS2CC-28	41	173-1			HSSVMCB2	27	312200 P004	011	1S	1S

Pin Allocation List

(Harness)

Connector: 122300 P013**Function / Bundle:** DCU JFP PSW SIH-XS-07**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (6) Ch41-44 . SHD41		SPC.S -		S173	TS2CC-28	41	173-1	CS-S173-1	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
027	SPIRE PSW (6) Ch41-44 . 42+		SPC.S -		S173	TS2CC-28	42	173-2		HSSVMCB2	27	312200 P004	019	1S	1S	
011	SPIRE PSW (6) Ch41-44 . 42-		SPC.S -		S173	TS2CC-28	42	173-2		HSSVMCB2	27	312200 P004	029	1S	1S	
044	SPIRE PSW (6) Ch41-44 . SHD42		SPC.S -		S173	TS2CC-28	42	173-2	CS-S173-2	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
028	SPIRE PSW (6) Ch41-44 . 43+		SPC.S -		S173	TS2CC-28	43	173-3		HSSVMCB2	27	312200 P004	041	1S	1S	
012	SPIRE PSW (6) Ch41-44 . 43-		SPC.S -		S173	TS2CC-28	43	173-3		HSSVMCB2	27	312200 P004	030	1S	1S	
045	SPIRE PSW (6) Ch41-44 . SHD43		SPC.S -		S173	TS2CC-28	43	173-3	CS-S173-3	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
029	SPIRE PSW (6) Ch41-44 . 44+		SPC.S -		S173	TS2CC-28	44	173-4		HSSVMCB2	27	312200 P004	053	1S	1S	
013	SPIRE PSW (6) Ch41-44 . 44-		SPC.S -		S173	TS2CC-28	44	173-4		HSSVMCB2	27	312200 P004	052	1S	1S	
046	SPIRE PSW (6) Ch41-44 . SHD44		SPC.S -		S173	TS2CC-28	44	173-4	CS-S173-4	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
030	SPIRE PSW (6) Ch45-48 . 45+		SPC.S -		S174	TS2CC-28	45	174-1		HSSVMCB2	27	312200 P004	009	1S	1S	
014	SPIRE PSW (6) Ch45-48 . 45-		SPC.S -		S174	TS2CC-28	45	174-1		HSSVMCB2	27	312200 P004	017	1S	1S	
047	SPIRE PSW (6) Ch45-48 . SHD45		SPC.S -		S174	TS2CC-28	45	174-1	CS-S174-1	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
031	SPIRE PSW (6) Ch45-48 . 46+		SPC.S -		S174	TS2CC-28	46	174-2		HSSVMCB2	27	312200 P004	018	1S	1S	
015	SPIRE PSW (6) Ch45-48 . 46-		SPC.S -		S174	TS2CC-28	46	174-2		HSSVMCB2	27	312200 P004	028	1S	1S	
048	SPIRE PSW (6) Ch45-48 . SHD46		SPC.S -		S174	TS2CC-28	46	174-2	CS-S174-2	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
032	SPIRE PSW (6) Ch45-48 . 47+		SPC.S -		S174	TS2CC-28	47	174-3		HSSVMCB2	27	312200 P004	016	1S	1S	
016	SPIRE PSW (6) Ch45-48 . 47-		SPC.S -		S174	TS2CC-28	47	174-3		HSSVMCB2	27	312200 P004	027	1S	1S	
049	SPIRE PSW (6) Ch45-48 . SHD47		SPC.S -		S174	TS2CC-28	47	174-3	CS-S174-3	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
033	SPIRE PSW (6) Ch45-48 . 48+		SPC.S -		S174	TS2CC-28	48	174-4		HSSVMCB2	27	312200 P004	040	1S	1S	
017	SPIRE PSW (6) Ch45-48 . 48-		SPC.S -		S174	TS2CC-28	48	174-4		HSSVMCB2	27	312200 P004	039	1S	1S	
050	SPIRE PSW (6) Ch45-48 . SHD48		SPC.S -		S174	TS2CC-28	48	174-4	CS-S174-4	HSSVMCB2	27	312200 P004	004	1S	1S	
-																
009	SPIRE PLW B07 GND WIRE A4		SPX.S -		S474	T01C0-26				HSSVMCB2	27	312200 P004	004	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P013
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

Sheet : 547 (of 666)

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Pin Allocation List

(Harness)

Connector: 122300 P012
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (5) Ch17-20 . 17+		SPC.S -		S164	TS2CC-28	17	164-1		HSSVMCB2	27	312200 P004	055	1S	1S	
018	SPIRE PSW (5) Ch17-20 . 17-		SPC.S -		S164	TS2CC-28	17	164-1		HSSVMCB2	27	312200 P004	066	1S	1S	
034	SPIRE PSW (5) Ch17-20 . SHD17		SPC.S -		S164	TS2CC-28	17	164-1	CS-S164-1	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
002	SPIRE PSW (5) Ch17-20 . 18+		SPC.S -		S164	TS2CC-28	18	164-2		HSSVMCB2	27	312200 P004	067	1S	1S	
019	SPIRE PSW (5) Ch17-20 . 18-		SPC.S -		S164	TS2CC-28	18	164-2		HSSVMCB2	27	312200 P004	078	1S	1S	
035	SPIRE PSW (5) Ch17-20 . SHD18		SPC.S -		S164	TS2CC-28	18	164-2	CS-S164-2	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
003	SPIRE PSW (5) Ch17-20 . 19+		SPC.S -		S164	TS2CC-28	19	164-3		HSSVMCB2	27	312200 P004	076	1S	1S	
020	SPIRE PSW (5) Ch17-20 . 19-		SPC.S -		S164	TS2CC-28	19	164-3		HSSVMCB2	27	312200 P004	077	1S	1S	
036	SPIRE PSW (5) Ch17-20 . SHD19		SPC.S -		S164	TS2CC-28	19	164-3	CS-S164-3	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
004	SPIRE PSW (5) Ch17-20 . 20+		SPC.S -		S164	TS2CC-28	20	164-4		HSSVMCB2	27	312200 P004	088	1S	1S	
021	SPIRE PSW (5) Ch17-20 . 20-		SPC.S -		S164	TS2CC-28	20	164-4		HSSVMCB2	27	312200 P004	089	1S	1S	
037	SPIRE PSW (5) Ch17-20 . SHD20		SPC.S -		S164	TS2CC-28	20	164-4	CS-S164-4	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
005	SPIRE PSW (5) Ch21-24 . 21+		SPC.S -		S165	TS2CC-28	21	165-1		HSSVMCB2	27	312200 P004	099	1S	1S	
022	SPIRE PSW (5) Ch21-24 . 21-		SPC.S -		S165	TS2CC-28	21	165-1		HSSVMCB2	27	312200 P004	100	1S	1S	
038	SPIRE PSW (5) Ch21-24 . SHD21		SPC.S -		S165	TS2CC-28	21	165-1	CS-S165-1	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
006	SPIRE PSW (5) Ch21-24 . 22+		SPC.S -		S165	TS2CC-28	22	165-2		HSSVMCB2	27	312200 P004	110	1S	1S	
023	SPIRE PSW (5) Ch21-24 . 22-		SPC.S -		S165	TS2CC-28	22	165-2		HSSVMCB2	27	312200 P004	111	1S	1S	
039	SPIRE PSW (5) Ch21-24 . SHD22		SPC.S -		S165	TS2CC-28	22	165-2	CS-S165-2	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
007	SPIRE PSW (5) Ch21-24 . 23+		SPC.S -		S165	TS2CC-28	23	165-3		HSSVMCB2	27	312200 P004	118	1S	1S	
024	SPIRE PSW (5) Ch21-24 . 23-		SPC.S -		S165	TS2CC-28	23	165-3		HSSVMCB2	27	312200 P004	119	1S	1S	
040	SPIRE PSW (5) Ch21-24 . SHD23		SPC.S -		S165	TS2CC-28	23	165-3	CS-S165-3	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
008	SPIRE PSW (5) Ch21-24 . 24+		SPC.S -		S165	TS2CC-28	24	165-4		HSSVMCB2	27	312200 P004	112	1S	1S	
025	SPIRE PSW (5) Ch21-24 . 24-		SPC.S -		S165	TS2CC-28	24	165-4		HSSVMCB2	27	312200 P004	120	1S	1S	
041	SPIRE PSW (5) Ch21-24 . SHD24		SPC.S -		S165	TS2CC-28	24	165-4	CS-S165-4	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
026	SPIRE PSW (6) Ch25-28 . 25+		SPC.S -		S167	TS2CC-28	25	167-1		HSSVMCB2	27	312200 P004	090	1S	1S	
010	SPIRE PSW (6) Ch25-28 . 25-		SPC.S -		S167	TS2CC-28	25	167-1		HSSVMCB2	27	312200 P004	079	1S	1S	

Pin Allocation List

(Harness)

Connector: 122300 P012**Function / Bundle:** DCU JFP PSW SIH-XS-07**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (6) Ch25-28 . SHD25		SPC.S -		S167	TS2CC-28	25	167-1	CS-S167-1	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
027	SPIRE PSW (6) Ch25-28 . 26+		SPC.S -		S167	TS2CC-28	26	167-2		HSSVMCB2	27	312200 P004	102	1S	1S	
011	SPIRE PSW (6) Ch25-28 . 26-		SPC.S -		S167	TS2CC-28	26	167-2		HSSVMCB2	27	312200 P004	101	1S	1S	
044	SPIRE PSW (6) Ch25-28 . SHD26		SPC.S -		S167	TS2CC-28	26	167-2	CS-S167-2	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
028	SPIRE PSW (6) Ch25-28 . 27+		SPC.S -		S167	TS2CC-28	27	167-3		HSSVMCB2	27	312200 P004	092	1S	1S	
012	SPIRE PSW (6) Ch25-28 . 27-		SPC.S -		S167	TS2CC-28	27	167-3		HSSVMCB2	27	312200 P004	091	1S	1S	
045	SPIRE PSW (6) Ch25-28 . SHD27		SPC.S -		S167	TS2CC-28	27	167-3	CS-S167-3	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
029	SPIRE PSW (6) Ch25-28 . 28+		SPC.S -		S167	TS2CC-28	28	167-4		HSSVMCB2	27	312200 P004	103	1S	1S	
013	SPIRE PSW (6) Ch25-28 . 28-		SPC.S -		S167	TS2CC-28	28	167-4		HSSVMCB2	27	312200 P004	113	1S	1S	
046	SPIRE PSW (6) Ch25-28 . SHD28		SPC.S -		S167	TS2CC-28	28	167-4	CS-S167-4	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
030	SPIRE PSW (6) Ch29-32 . 29+		SPC.S -		S168	TS2CC-28	29	168-1		HSSVMCB2	27	312200 P004	058	1S	1S	
014	SPIRE PSW (6) Ch29-32 . 29-		SPC.S -		S168	TS2CC-28	29	168-1		HSSVMCB2	27	312200 P004	046	1S	1S	
047	SPIRE PSW (6) Ch29-32 . SHD29		SPC.S -		S168	TS2CC-28	29	168-1	CS-S168-1	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
031	SPIRE PSW (6) Ch29-32 . 30+		SPC.S -		S168	TS2CC-28	30	168-2		HSSVMCB2	27	312200 P004	068	1S	1S	
015	SPIRE PSW (6) Ch29-32 . 30-		SPC.S -		S168	TS2CC-28	30	168-2		HSSVMCB2	27	312200 P004	057	1S	1S	
048	SPIRE PSW (6) Ch29-32 . SHD30		SPC.S -		S168	TS2CC-28	30	168-2	CS-S168-2	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
032	SPIRE PSW (6) Ch29-32 . 31+		SPC.S -		S168	TS2CC-28	31	168-3		HSSVMCB2	27	312200 P004	069	1S	1S	
016	SPIRE PSW (6) Ch29-32 . 31-		SPC.S -		S168	TS2CC-28	31	168-3		HSSVMCB2	27	312200 P004	080	1S	1S	
049	SPIRE PSW (6) Ch29-32 . SHD31		SPC.S -		S168	TS2CC-28	31	168-3	CS-S168-3	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
033	SPIRE PSW (6) Ch29-32 . 32+		SPC.S -		S168	TS2CC-28	32	168-4		HSSVMCB2	27	312200 P004	070	1S	1S	
017	SPIRE PSW (6) Ch29-32 . 32-		SPC.S -		S168	TS2CC-28	32	168-4		HSSVMCB2	27	312200 P004	081	1S	1S	
050	SPIRE PSW (6) Ch29-32 . SHD32		SPC.S -		S168	TS2CC-28	32	168-4	CS-S168-4	HSSVMCB2	27	312200 P004	128	1S	1S	
-																
009	SPIRE PLW B07 GND WIRE A2		SPX.S -		S472	T01C0-26				HSSVMCB2	27	312200 P004	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P012
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P011

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW (5) Ch01-04 . 1+		SPC.S -		S158	TS2CC-28	1	158-1			HSSVMCB2	27	312200 P004	026	1S 1S
018	SPIRE PSW (5) Ch01-04 . 1-		SPC.S -		S158	TS2CC-28	1	158-1			HSSVMCB2	27	312200 P004	037	1S 1S
034	SPIRE PSW (5) Ch01-04 . SHD01		SPC.S -		S158	TS2CC-28	1	158-1	CS-S158-1		HSSVMCB2	27	312200 P004	036	1S 1S
-															
002	SPIRE PSW (5) Ch01-04 . 2+		SPC.S -		S158	TS2CC-28	2	158-2			HSSVMCB2	27	312200 P004	038	1S 1S
019	SPIRE PSW (5) Ch01-04 . 2-		SPC.S -		S158	TS2CC-28	2	158-2			HSSVMCB2	27	312200 P004	049	1S 1S
035	SPIRE PSW (5) Ch01-04 . SHD02		SPC.S -		S158	TS2CC-28	2	158-2	CS-S158-2		HSSVMCB2	27	312200 P004	036	1S 1S
-															
003	SPIRE PSW (5) Ch01-04 . 3+		SPC.S -		S158	TS2CC-28	3	158-3			HSSVMCB2	27	312200 P004	048	1S 1S
020	SPIRE PSW (5) Ch01-04 . 3-		SPC.S -		S158	TS2CC-28	3	158-3			HSSVMCB2	27	312200 P004	060	1S 1S
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.S -		S158	TS2CC-28	3	158-3	CS-S158-3		HSSVMCB2	27	312200 P004	036	1S 1S
-															
004	SPIRE PSW (5) Ch01-04 . 4+		SPC.S -		S158	TS2CC-28	4	158-4			HSSVMCB2	27	312200 P004	059	1S 1S
021	SPIRE PSW (5) Ch01-04 . 4-		SPC.S -		S158	TS2CC-28	4	158-4			HSSVMCB2	27	312200 P004	071	1S 1S
037	SPIRE PSW (5) Ch01-04 . SHD04		SPC.S -		S158	TS2CC-28	4	158-4	CS-S158-4		HSSVMCB2	27	312200 P004	036	1S 1S
-															
005	SPIRE PSW (5) Ch05-08 . 5+		SPC.S -		S159	TS2CC-28	5	159-1			HSSVMCB2	27	312200 P004	050	1S 1S
022	SPIRE PSW (5) Ch05-08 . 5-		SPC.S -		S159	TS2CC-28	5	159-1			HSSVMCB2	27	312200 P004	061	1S 1S
038	SPIRE PSW (5) Ch05-08 . SHD05		SPC.S -		S159	TS2CC-28	5	159-1	CS-S159-1		HSSVMCB2	27	312200 P004	036	1S 1S
-															
006	SPIRE PSW (5) Ch05-08 . 6+		SPC.S -		S159	TS2CC-28	6	159-2			HSSVMCB2	27	312200 P004	062	1S 1S
023	SPIRE PSW (5) Ch05-08 . 6-		SPC.S -		S159	TS2CC-28	6	159-2			HSSVMCB2	27	312200 P004	051	1S 1S
039	SPIRE PSW (5) Ch05-08 . SHD06		SPC.S -		S159	TS2CC-28	6	159-2	CS-S159-2		HSSVMCB2	27	312200 P004	036	1S 1S
-															
007	SPIRE PSW (5) Ch05-08 . 7+		SPC.S -		S159	TS2CC-28	7	159-3			HSSVMCB2	27	312200 P004	063	1S 1S
024	SPIRE PSW (5) Ch05-08 . 7-		SPC.S -		S159	TS2CC-28	7	159-3			HSSVMCB2	27	312200 P004	075	1S 1S
040	SPIRE PSW (5) Ch05-08 . SHD07		SPC.S -		S159	TS2CC-28	7	159-3	CS-S159-3		HSSVMCB2	27	312200 P004	036	1S 1S
-															
008	SPIRE PSW (5) Ch05-08 . 8+		SPC.S -		S159	TS2CC-28	8	159-4			HSSVMCB2	27	312200 P004	074	1S 1S
025	SPIRE PSW (5) Ch05-08 . 8-		SPC.S -		S159	TS2CC-28	8	159-4			HSSVMCB2	27	312200 P004	073	1S 1S
041	SPIRE PSW (5) Ch05-08 . SHD08		SPC.S -		S159	TS2CC-28	8	159-4	CS-S159-4		HSSVMCB2	27	312200 P004	036	1S 1S
-															
026	SPIRE PSW (5) Ch09-12 . 9+		SPC.S -		S160	TS2CC-28	9	160-1			HSSVMCB2	27	312200 P004	083	1S 1S
010	SPIRE PSW (5) Ch09-12 . 9-		SPC.S -		S160	TS2CC-28	9	160-1			HSSVMCB2	27	312200 P004	072	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P011
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (5) Ch09-12 . SHD09		SPC.S -		S160	TS2CC-28	9	160-1		CS-S160-1	HSSVMCB2	27	312200 P004	036	1S	1S
-																
027	SPIRE PSW (5) Ch09-12 . 10+		SPC.S -		S160	TS2CC-28	10	160-2			HSSVMCB2	27	312200 P004	095	1S	1S
011	SPIRE PSW (5) Ch09-12 . 10-		SPC.S -		S160	TS2CC-28	10	160-2			HSSVMCB2	27	312200 P004	084	1S	1S
044	SPIRE PSW (5) Ch09-12 . SHD10		SPC.S -		S160	TS2CC-28	10	160-2		CS-S160-2	HSSVMCB2	27	312200 P004	036	1S	1S
-																
028	SPIRE PSW (5) Ch09-12 . 11+		SPC.S -		S160	TS2CC-28	11	160-3			HSSVMCB2	27	312200 P004	096	1S	1S
012	SPIRE PSW (5) Ch09-12 . 11-		SPC.S -		S160	TS2CC-28	11	160-3			HSSVMCB2	27	312200 P004	085	1S	1S
045	SPIRE PSW (5) Ch09-12 . SHD11		SPC.S -		S160	TS2CC-28	11	160-3		CS-S160-3	HSSVMCB2	27	312200 P004	036	1S	1S
-																
029	SPIRE PSW (5) Ch09-12 . 12+		SPC.S -		S160	TS2CC-28	12	160-4			HSSVMCB2	27	312200 P004	106	1S	1S
013	SPIRE PSW (5) Ch09-12 . 12-		SPC.S -		S160	TS2CC-28	12	160-4			HSSVMCB2	27	312200 P004	107	1S	1S
046	SPIRE PSW (5) Ch09-12 . SHD12		SPC.S -		S160	TS2CC-28	12	160-4		CS-S160-4	HSSVMCB2	27	312200 P004	036	1S	1S
-																
030	SPIRE PSW (5) Ch13-16 . 13+		SPC.S -		S163	TS2CC-28	13	163-1			HSSVMCB2	27	312200 P004	086	1S	1S
014	SPIRE PSW (5) Ch13-16 . 13-		SPC.S -		S163	TS2CC-28	13	163-1			HSSVMCB2	27	312200 P004	087	1S	1S
047	SPIRE PSW (5) Ch13-16 . SHD13		SPC.S -		S163	TS2CC-28	13	163-1		CS-S163-1	HSSVMCB2	27	312200 P004	036	1S	1S
-																
031	SPIRE PSW (5) Ch13-16 . 14+		SPC.S -		S163	TS2CC-28	14	163-2			HSSVMCB2	27	312200 P004	097	1S	1S
015	SPIRE PSW (5) Ch13-16 . 14-		SPC.S -		S163	TS2CC-28	14	163-2			HSSVMCB2	27	312200 P004	098	1S	1S
048	SPIRE PSW (5) Ch13-16 . SHD14		SPC.S -		S163	TS2CC-28	14	163-2		CS-S163-2	HSSVMCB2	27	312200 P004	036	1S	1S
-																
032	SPIRE PSW (5) Ch13-16 . 15+		SPC.S -		S163	TS2CC-28	15	163-3			HSSVMCB2	27	312200 P004	108	1S	1S
016	SPIRE PSW (5) Ch13-16 . 15-		SPC.S -		S163	TS2CC-28	15	163-3			HSSVMCB2	27	312200 P004	109	1S	1S
049	SPIRE PSW (5) Ch13-16 . SHD15		SPC.S -		S163	TS2CC-28	15	163-3		CS-S163-3	HSSVMCB2	27	312200 P004	036	1S	1S
-																
033	SPIRE PSW (5) Ch13-16 . 16+		SPC.S -		S163	TS2CC-28	16	163-4			HSSVMCB2	27	312200 P004	116	1S	1S
017	SPIRE PSW (5) Ch13-16 . 16-		SPC.S -		S163	TS2CC-28	16	163-4			HSSVMCB2	27	312200 P004	117	1S	1S
050	SPIRE PSW (5) Ch13-16 . SHD16		SPC.S -		S163	TS2CC-28	16	163-4		CS-S163-4	HSSVMCB2	27	312200 P004	036	1S	1S
-																
009	SPIRE PLW B07 GND WIRE A1		SPX.S -		S471	T01C0-26					HSSVMCB2	27	312200 P004	036	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P011
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

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Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312200 P001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
026	SPIRE PSW (3) Ch01-04 . 1+		SPC.S -		S140	TS2CC-28	1	140-1		HSDCU	17	122300 P008	001	1S	1S	
037	SPIRE PSW (3) Ch01-04 . 1-		SPC.S -		S140	TS2CC-28	1	140-1		HSDCU	17	122300 P008	018	1S	1S	
036	SPIRE PSW (3) Ch01-04 . SHD01		SPC.S -		S140	TS2CC-28	1	140-1	CS-S140-1	HSDCU	17	122300 P008	034	1S	1S	
-																
038	SPIRE PSW (3) Ch01-04 . 2+		SPC.S -		S140	TS2CC-28	2	140-2		HSDCU	17	122300 P008	002	1S	1S	
049	SPIRE PSW (3) Ch01-04 . 2-		SPC.S -		S140	TS2CC-28	2	140-2		HSDCU	17	122300 P008	019	1S	1S	
036	SPIRE PSW (3) Ch01-04 . SHD02		SPC.S -		S140	TS2CC-28	2	140-2	CS-S140-2	HSDCU	17	122300 P008	035	1S	1S	
-																
048	SPIRE PSW (3) Ch01-04 . 3+		SPC.S -		S140	TS2CC-28	3	140-3		HSDCU	17	122300 P008	003	1S	1S	
060	SPIRE PSW (3) Ch01-04 . 3-		SPC.S -		S140	TS2CC-28	3	140-3		HSDCU	17	122300 P008	020	1S	1S	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.S -		S140	TS2CC-28	3	140-3	CS-S140-3	HSDCU	17	122300 P008	036	1S	1S	
-																
059	SPIRE PSW (3) Ch01-04 . 4+		SPC.S -		S140	TS2CC-28	4	140-4		HSDCU	17	122300 P008	004	1S	1S	
071	SPIRE PSW (3) Ch01-04 . 4-		SPC.S -		S140	TS2CC-28	4	140-4		HSDCU	17	122300 P008	021	1S	1S	
036	SPIRE PSW (3) Ch01-04 . SHD04		SPC.S -		S140	TS2CC-28	4	140-4	CS-S140-4	HSDCU	17	122300 P008	037	1S	1S	
-																
050	SPIRE PSW (3) Ch05-08 . 5+		SPC.S -		S141	TS2CC-28	5	141-1		HSDCU	17	122300 P008	005	1S	1S	
061	SPIRE PSW (3) Ch05-08 . 5-		SPC.S -		S141	TS2CC-28	5	141-1		HSDCU	17	122300 P008	022	1S	1S	
036	SPIRE PSW (3) Ch05-08 . SHD05		SPC.S -		S141	TS2CC-28	5	141-1	CS-S141-1	HSDCU	17	122300 P008	038	1S	1S	
-																
062	SPIRE PSW (3) Ch05-08 . 6+		SPC.S -		S141	TS2CC-28	6	141-2		HSDCU	17	122300 P008	006	1S	1S	
051	SPIRE PSW (3) Ch05-08 . 6-		SPC.S -		S141	TS2CC-28	6	141-2		HSDCU	17	122300 P008	023	1S	1S	
036	SPIRE PSW (3) Ch05-08 . SHD06		SPC.S -		S141	TS2CC-28	6	141-2	CS-S141-2	HSDCU	17	122300 P008	039	1S	1S	
-																
063	SPIRE PSW (3) Ch05-08 . 7+		SPC.S -		S141	TS2CC-28	7	141-3		HSDCU	17	122300 P008	007	1S	1S	
075	SPIRE PSW (3) Ch05-08 . 7-		SPC.S -		S141	TS2CC-28	7	141-3		HSDCU	17	122300 P008	024	1S	1S	
036	SPIRE PSW (3) Ch05-08 . SHD07		SPC.S -		S141	TS2CC-28	7	141-3	CS-S141-3	HSDCU	17	122300 P008	040	1S	1S	
-																
074	SPIRE PSW (3) Ch05-08 . 8+		SPC.S -		S141	TS2CC-28	8	141-4		HSDCU	17	122300 P008	008	1S	1S	
073	SPIRE PSW (3) Ch05-08 . 8-		SPC.S -		S141	TS2CC-28	8	141-4		HSDCU	17	122300 P008	025	1S	1S	
036	SPIRE PSW (3) Ch05-08 . SHD08		SPC.S -		S141	TS2CC-28	8	141-4	CS-S141-4	HSDCU	17	122300 P008	041	1S	1S	
-																
-																
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.S -		S142	TS2CC-28	9	142-1		HSDCU	17	122300 P008	026	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.S -		S142	TS2CC-28	9	142-1			HSDCU	17	122300 P008	010	1S 1S
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.S -		S142	TS2CC-28	9	142-1	CS-S142-1		HSDCU	17	122300 P008	043	1S 1S
-															
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.S -		S142	TS2CC-28	10	142-2			HSDCU	17	122300 P008	027	1S 1S
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.S -		S142	TS2CC-28	10	142-2			HSDCU	17	122300 P008	011	1S 1S
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.S -		S142	TS2CC-28	10	142-2	CS-S142-2		HSDCU	17	122300 P008	044	1S 1S
-															
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.S -		S142	TS2CC-28	11	142-3			HSDCU	17	122300 P008	028	1S 1S
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.S -		S142	TS2CC-28	11	142-3			HSDCU	17	122300 P008	012	1S 1S
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.S -		S142	TS2CC-28	11	142-3	CS-S142-3		HSDCU	17	122300 P008	045	1S 1S
-															
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.S -		S142	TS2CC-28	12	142-4			HSDCU	17	122300 P008	029	1S 1S
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.S -		S142	TS2CC-28	12	142-4			HSDCU	17	122300 P008	013	1S 1S
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.S -		S142	TS2CC-28	12	142-4	CS-S142-4		HSDCU	17	122300 P008	046	1S 1S
-															1S
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.S -		S145	TS2CC-28	13	145-1			HSDCU	17	122300 P008	030	1S 1S
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.S -		S145	TS2CC-28	13	145-1			HSDCU	17	122300 P008	014	1S 1S
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.S -		S145	TS2CC-28	13	145-1	CS-S145-1		HSDCU	17	122300 P008	047	1S 1S
-															
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.S -		S145	TS2CC-28	14	145-2			HSDCU	17	122300 P008	031	1S 1S
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.S -		S145	TS2CC-28	14	145-2			HSDCU	17	122300 P008	015	1S 1S
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.S -		S145	TS2CC-28	14	145-2	CS-S145-2		HSDCU	17	122300 P008	048	1S 1S
-															
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.S -		S145	TS2CC-28	15	145-3			HSDCU	17	122300 P008	032	1S 1S
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.S -		S145	TS2CC-28	15	145-3			HSDCU	17	122300 P008	016	1S 1S
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.S -		S145	TS2CC-28	15	145-3	CS-S145-3		HSDCU	17	122300 P008	049	1S 1S
-															
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.S -		S145	TS2CC-28	16	145-4			HSDCU	17	122300 P008	033	1S 1S
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.S -		S145	TS2CC-28	16	145-4			HSDCU	17	122300 P008	017	1S 1S
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.S -		S145	TS2CC-28	16	145-4	CS-S145-4		HSDCU	17	122300 P008	050	1S 1S
-															
036	SPIRE PLW B08 GND WIRE A1		SPX.S -		S481	T01C0-26					HSDCU	17	122300 P008	009	1S 1S
-															
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.S -		S146	TS2CC-28	17	146-1			HSDCU	17	122300 P009	001	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.S -		S146	TS2CC-28	17	146-1		HSDCU	17	122300 P009	018	1S	1S	
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.S -		S146	TS2CC-28	17	146-1	CS-S146-1	HSDCU	17	122300 P009	034	1S	1S	
-																
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.S -		S146	TS2CC-28	18	146-2		HSDCU	17	122300 P009	002	1S	1S	
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.S -		S146	TS2CC-28	18	146-2		HSDCU	17	122300 P009	019	1S	1S	
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.S -		S146	TS2CC-28	18	146-2	CS-S146-2	HSDCU	17	122300 P009	035	1S	1S	
-																
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.S -		S146	TS2CC-28	19	146-3		HSDCU	17	122300 P009	003	1S	1S	
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.S -		S146	TS2CC-28	19	146-3		HSDCU	17	122300 P009	020	1S	1S	
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.S -		S146	TS2CC-28	19	146-3	CS-S146-3	HSDCU	17	122300 P009	036	1S	1S	
-																
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.S -		S146	TS2CC-28	20	146-4		HSDCU	17	122300 P009	004	1S	1S	
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.S -		S146	TS2CC-28	20	146-4		HSDCU	17	122300 P009	021	1S	1S	
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.S -		S146	TS2CC-28	20	146-4	CS-S146-4	HSDCU	17	122300 P009	037	1S	1S	
-																
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.S -		S147	TS2CC-28	21	147-1		HSDCU	17	122300 P009	005	1S	1S	
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.S -		S147	TS2CC-28	21	147-1		HSDCU	17	122300 P009	022	1S	1S	
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.S -		S147	TS2CC-28	21	147-1	CS-S147-1	HSDCU	17	122300 P009	038	1S	1S	
-																
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.S -		S147	TS2CC-28	22	147-2		HSDCU	17	122300 P009	006	1S	1S	
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.S -		S147	TS2CC-28	22	147-2		HSDCU	17	122300 P009	023	1S	1S	
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.S -		S147	TS2CC-28	22	147-2	CS-S147-2	HSDCU	17	122300 P009	039	1S	1S	
-																
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.S -		S147	TS2CC-28	23	147-3		HSDCU	17	122300 P009	007	1S	1S	
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.S -		S147	TS2CC-28	23	147-3		HSDCU	17	122300 P009	024	1S	1S	
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.S -		S147	TS2CC-28	23	147-3	CS-S147-3	HSDCU	17	122300 P009	040	1S	1S	
-																
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.S -		S147	TS2CC-28	24	147-4		HSDCU	17	122300 P009	008	1S	1S	
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.S -		S147	TS2CC-28	24	147-4		HSDCU	17	122300 P009	025	1S	1S	
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.S -		S147	TS2CC-28	24	147-4	CS-S147-4	HSDCU	17	122300 P009	041	1S	1S	
-																
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.S -		S149	TS2CC-28	25	149-1		HSDCU	17	122300 P009	026	1S	1S	
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.S -		S149	TS2CC-28	25	149-1		HSDCU	17	122300 P009	010	1S	1S	
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.S -		S149	TS2CC-28	25	149-1	CS-S149-1	HSDCU	17	122300 P009	043	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.S -		S149	TS2CC-28	26	149-2			HSDCU	17	122300 P009	027	1S 1S
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.S -		S149	TS2CC-28	26	149-2			HSDCU	17	122300 P009	011	1S 1S
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.S -		S149	TS2CC-28	26	149-2	CS-S149-2		HSDCU	17	122300 P009	044	1S 1S
-															
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.S -		S149	TS2CC-28	27	149-3			HSDCU	17	122300 P009	028	1S 1S
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.S -		S149	TS2CC-28	27	149-3			HSDCU	17	122300 P009	012	1S 1S
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.S -		S149	TS2CC-28	27	149-3	CS-S149-3		HSDCU	17	122300 P009	045	1S 1S
-															
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.S -		S149	TS2CC-28	28	149-4			HSDCU	17	122300 P009	029	1S 1S
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.S -		S149	TS2CC-28	28	149-4			HSDCU	17	122300 P009	013	1S 1S
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.S -		S149	TS2CC-28	28	149-4	CS-S149-4		HSDCU	17	122300 P009	046	1S 1S
-															
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.S -		S150	TS2CC-28	29	150-1			HSDCU	17	122300 P009	030	1S 1S
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.S -		S150	TS2CC-28	29	150-1			HSDCU	17	122300 P009	014	1S 1S
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.S -		S150	TS2CC-28	29	150-1	CS-S150-1		HSDCU	17	122300 P009	047	1S 1S
-															
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.S -		S150	TS2CC-28	30	150-2			HSDCU	17	122300 P009	031	1S 1S
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.S -		S150	TS2CC-28	30	150-2			HSDCU	17	122300 P009	015	1S 1S
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.S -		S150	TS2CC-28	30	150-2	CS-S150-2		HSDCU	17	122300 P009	048	1S 1S
-															
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.S -		S150	TS2CC-28	31	150-3			HSDCU	17	122300 P009	032	1S 1S
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.S -		S150	TS2CC-28	31	150-3			HSDCU	17	122300 P009	016	1S 1S
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.S -		S150	TS2CC-28	31	150-3	CS-S150-3		HSDCU	17	122300 P009	049	1S 1S
-															
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.S -		S150	TS2CC-28	32	150-4			HSDCU	17	122300 P009	033	1S 1S
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.S -		S150	TS2CC-28	32	150-4			HSDCU	17	122300 P009	017	1S 1S
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.S -		S150	TS2CC-28	32	150-4	CS-S150-4		HSDCU	17	122300 P009	050	1S 1S
-															
128	SPIRE PLW B08 GND WIRE A2		SPX.S -		S482	T01C0-26					HSDCU	17	122300 P009	009	1S 1S
-															
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.S -		S151	TS2CC-28	33	151-1			HSDCU	17	122300 P010	001	1S 1S
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.S -		S151	TS2CC-28	33	151-1			HSDCU	17	122300 P010	018	1S 1S
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.S -		S151	TS2CC-28	33	151-1	CS-S151-1		HSDCU	17	122300 P010	034	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.S -		S151	TS2CC-28	34	151-2			HSDCU	17	122300 P010	002	1S 1S
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.S -		S151	TS2CC-28	34	151-2			HSDCU	17	122300 P010	019	1S 1S
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.S -		S151	TS2CC-28	34	151-2	CS-S151-2		HSDCU	17	122300 P010	035	1S 1S
-															
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.S -		S151	TS2CC-28	35	151-3			HSDCU	17	122300 P010	003	1S 1S
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.S -		S151	TS2CC-28	35	151-3			HSDCU	17	122300 P010	020	1S 1S
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.S -		S151	TS2CC-28	35	151-3	CS-S151-3		HSDCU	17	122300 P010	036	1S 1S
-															
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.S -		S151	TS2CC-28	36	151-4			HSDCU	17	122300 P010	004	1S 1S
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.S -		S151	TS2CC-28	36	151-4			HSDCU	17	122300 P010	021	1S 1S
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.S -		S151	TS2CC-28	36	151-4	CS-S151-4		HSDCU	17	122300 P010	037	1S 1S
-															
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.S -		S154	TS2CC-28	37	154-1			HSDCU	17	122300 P010	005	1S 1S
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.S -		S154	TS2CC-28	37	154-1			HSDCU	17	122300 P010	022	1S 1S
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.S -		S154	TS2CC-28	37	154-1	CS-S154-1		HSDCU	17	122300 P010	038	1S 1S
-															
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.S -		S154	TS2CC-28	38	154-2			HSDCU	17	122300 P010	006	1S 1S
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.S -		S154	TS2CC-28	38	154-2			HSDCU	17	122300 P010	023	1S 1S
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.S -		S154	TS2CC-28	38	154-2	CS-S154-2		HSDCU	17	122300 P010	039	1S 1S
-															
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.S -		S154	TS2CC-28	39	154-3			HSDCU	17	122300 P010	007	1S 1S
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.S -		S154	TS2CC-28	39	154-3			HSDCU	17	122300 P010	024	1S 1S
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.S -		S154	TS2CC-28	39	154-3	CS-S154-3		HSDCU	17	122300 P010	040	1S 1S
-															
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.S -		S154	TS2CC-28	40	154-4			HSDCU	17	122300 P010	008	1S 1S
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.S -		S154	TS2CC-28	40	154-4			HSDCU	17	122300 P010	025	1S 1S
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.S -		S154	TS2CC-28	40	154-4	CS-S154-4		HSDCU	17	122300 P010	041	1S 1S
-															
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.S -		S155	TS2CC-28	41	155-1			HSDCU	17	122300 P010	026	1S 1S
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.S -		S155	TS2CC-28	41	155-1			HSDCU	17	122300 P010	010	1S 1S
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.S -		S155	TS2CC-28	41	155-1	CS-S155-1		HSDCU	17	122300 P010	043	1S 1S
-															
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.S -		S155	TS2CC-28	42	155-2			HSDCU	17	122300 P010	027	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.S -		S155	TS2CC-28	42	155-2			HSDCU	17	122300 P010	011	1S	1S
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.S -		S155	TS2CC-28	42	155-2	CS-S155-2		HSDCU	17	122300 P010	044	1S	1S
-																
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.S -		S155	TS2CC-28	43	155-3			HSDCU	17	122300 P010	028	1S	1S
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.S -		S155	TS2CC-28	43	155-3			HSDCU	17	122300 P010	012	1S	1S
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.S -		S155	TS2CC-28	43	155-3	CS-S155-3		HSDCU	17	122300 P010	045	1S	1S
-																
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.S -		S155	TS2CC-28	44	155-4			HSDCU	17	122300 P010	029	1S	1S
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.S -		S155	TS2CC-28	44	155-4			HSDCU	17	122300 P010	013	1S	1S
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.S -		S155	TS2CC-28	44	155-4	CS-S155-4		HSDCU	17	122300 P010	046	1S	1S
-																
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.S -		S156	TS2CC-28	45	156-1			HSDCU	17	122300 P010	030	1S	1S
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.S -		S156	TS2CC-28	45	156-1			HSDCU	17	122300 P010	014	1S	1S
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.S -		S156	TS2CC-28	45	156-1	CS-S156-1		HSDCU	17	122300 P010	047	1S	1S
-																
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.S -		S156	TS2CC-28	46	156-2			HSDCU	17	122300 P010	031	1S	1S
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.S -		S156	TS2CC-28	46	156-2			HSDCU	17	122300 P010	015	1S	1S
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.S -		S156	TS2CC-28	46	156-2	CS-S156-2		HSDCU	17	122300 P010	048	1S	1S
-																
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.S -		S156	TS2CC-28	47	156-3			HSDCU	17	122300 P010	032	1S	1S
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.S -		S156	TS2CC-28	47	156-3			HSDCU	17	122300 P010	016	1S	1S
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.S -		S156	TS2CC-28	47	156-3	CS-S156-3		HSDCU	17	122300 P010	049	1S	1S
-																
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.S -		S156	TS2CC-28	48	156-4			HSDCU	17	122300 P010	033	1S	1S
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.S -		S156	TS2CC-28	48	156-4			HSDCU	17	122300 P010	017	1S	1S
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.S -		S156	TS2CC-28	48	156-4	CS-S156-4		HSDCU	17	122300 P010	050	1S	1S
-																
004	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30					HSDCU	17	122300 P010	009	1S	1S
-																
047	Interconnection Star Pin								star pin for shield interconnection							1S
036	to be con to pin 047															1S
128	to be con to pin 047															1S
004	to be con to pin 047															1S
-																

Pin Allocation List (Harness)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
005	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
024	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
093	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
105	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
114	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
115	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
121	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															1S

Pin Allocation List (Harness)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)

Connector: 122300 P010
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW (4) Ch33-36 . 33+		SPC.S -		S151	TS2CC-28	33	151-1			HSSVMCB2	27	312200 P001	023	1S 1S
018	SPIRE PSW (4) Ch33-36 . 33-		SPC.S -		S151	TS2CC-28	33	151-1			HSSVMCB2	27	312200 P001	034	1S 1S
034	SPIRE PSW (4) Ch33-36 . SHD33		SPC.S -		S151	TS2CC-28	33	151-1	CS-S151-1		HSSVMCB2	27	312200 P001	004	1S 1S
-															
002	SPIRE PSW (4) Ch33-36 . 34+		SPC.S -		S151	TS2CC-28	34	151-2			HSSVMCB2	27	312200 P001	033	1S 1S
019	SPIRE PSW (4) Ch33-36 . 34-		SPC.S -		S151	TS2CC-28	34	151-2			HSSVMCB2	27	312200 P001	045	1S 1S
035	SPIRE PSW (4) Ch33-36 . SHD34		SPC.S -		S151	TS2CC-28	34	151-2	CS-S151-2		HSSVMCB2	27	312200 P001	004	1S 1S
-															
003	SPIRE PSW (4) Ch33-36 . 35+		SPC.S -		S151	TS2CC-28	35	151-3			HSSVMCB2	27	312200 P001	044	1S 1S
020	SPIRE PSW (4) Ch33-36 . 35-		SPC.S -		S151	TS2CC-28	35	151-3			HSSVMCB2	27	312200 P001	056	1S 1S
036	SPIRE PSW (4) Ch33-36 . SHD35		SPC.S -		S151	TS2CC-28	35	151-3	CS-S151-3		HSSVMCB2	27	312200 P001	004	1S 1S
-															
004	SPIRE PSW (4) Ch33-36 . 36+		SPC.S -		S151	TS2CC-28	36	151-4			HSSVMCB2	27	312200 P001	022	1S 1S
021	SPIRE PSW (4) Ch33-36 . 36-		SPC.S -		S151	TS2CC-28	36	151-4			HSSVMCB2	27	312200 P001	032	1S 1S
037	SPIRE PSW (4) Ch33-36 . SHD36		SPC.S -		S151	TS2CC-28	36	151-4	CS-S151-4		HSSVMCB2	27	312200 P001	004	1S 1S
-															
005	SPIRE PSW (4) Ch37-40 . 37+		SPC.S -		S154	TS2CC-28	37	154-1			HSSVMCB2	27	312200 P001	013	1S 1S
022	SPIRE PSW (4) Ch37-40 . 37-		SPC.S -		S154	TS2CC-28	37	154-1			HSSVMCB2	27	312200 P001	012	1S 1S
038	SPIRE PSW (4) Ch37-40 . SHD37		SPC.S -		S154	TS2CC-28	37	154-1	CS-S154-1		HSSVMCB2	27	312200 P001	004	1S 1S
-															
006	SPIRE PSW (4) Ch37-40 . 38+		SPC.S -		S154	TS2CC-28	38	154-2			HSSVMCB2	27	312200 P001	021	1S 1S
023	SPIRE PSW (4) Ch37-40 . 38-		SPC.S -		S154	TS2CC-28	38	154-2			HSSVMCB2	27	312200 P001	020	1S 1S
039	SPIRE PSW (4) Ch37-40 . SHD38		SPC.S -		S154	TS2CC-28	38	154-2	CS-S154-2		HSSVMCB2	27	312200 P001	004	1S 1S
-															
007	SPIRE PSW (4) Ch37-40 . 39+		SPC.S -		S154	TS2CC-28	39	154-3			HSSVMCB2	27	312200 P001	031	1S 1S
024	SPIRE PSW (4) Ch37-40 . 39-		SPC.S -		S154	TS2CC-28	39	154-3			HSSVMCB2	27	312200 P001	043	1S 1S
040	SPIRE PSW (4) Ch37-40 . SHD39		SPC.S -		S154	TS2CC-28	39	154-3	CS-S154-3		HSSVMCB2	27	312200 P001	004	1S 1S
-															
008	SPIRE PSW (4) Ch37-40 . 40+		SPC.S -		S154	TS2CC-28	40	154-4			HSSVMCB2	27	312200 P001	042	1S 1S
025	SPIRE PSW (4) Ch37-40 . 40-		SPC.S -		S154	TS2CC-28	40	154-4			HSSVMCB2	27	312200 P001	054	1S 1S
041	SPIRE PSW (4) Ch37-40 . SHD40		SPC.S -		S154	TS2CC-28	40	154-4	CS-S154-4		HSSVMCB2	27	312200 P001	004	1S 1S
-															
026	SPIRE PSW (4) Ch41-44 . 41+		SPC.S -		S155	TS2CC-28	41	155-1			HSSVMCB2	27	312200 P001	010	1S 1S
010	SPIRE PSW (4) Ch41-44 . 41-		SPC.S -		S155	TS2CC-28	41	155-1			HSSVMCB2	27	312200 P001	011	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P010**Function / Bundle:** DCU JFP PSW SIH-XS-08**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (4) Ch41-44 . SHD41		SPC.S -		S155	TS2CC-28	41	155-1	CS-S155-1	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
027	SPIRE PSW (4) Ch41-44 . 42+		SPC.S -		S155	TS2CC-28	42	155-2		HSSVMCB2	27	312200 P001	019	1S	1S	
011	SPIRE PSW (4) Ch41-44 . 42-		SPC.S -		S155	TS2CC-28	42	155-2		HSSVMCB2	27	312200 P001	029	1S	1S	
044	SPIRE PSW (4) Ch41-44 . SHD42		SPC.S -		S155	TS2CC-28	42	155-2	CS-S155-2	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
028	SPIRE PSW (4) Ch41-44 . 43+		SPC.S -		S155	TS2CC-28	43	155-3		HSSVMCB2	27	312200 P001	041	1S	1S	
012	SPIRE PSW (4) Ch41-44 . 43-		SPC.S -		S155	TS2CC-28	43	155-3		HSSVMCB2	27	312200 P001	030	1S	1S	
045	SPIRE PSW (4) Ch41-44 . SHD43		SPC.S -		S155	TS2CC-28	43	155-3	CS-S155-3	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
029	SPIRE PSW (4) Ch41-44 . 44+		SPC.S -		S155	TS2CC-28	44	155-4		HSSVMCB2	27	312200 P001	053	1S	1S	
013	SPIRE PSW (4) Ch41-44 . 44-		SPC.S -		S155	TS2CC-28	44	155-4		HSSVMCB2	27	312200 P001	052	1S	1S	
046	SPIRE PSW (4) Ch41-44 . SHD44		SPC.S -		S155	TS2CC-28	44	155-4	CS-S155-4	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
030	SPIRE PSW (4) Ch45-48 . 45+		SPC.S -		S156	TS2CC-28	45	156-1		HSSVMCB2	27	312200 P001	009	1S	1S	
014	SPIRE PSW (4) Ch45-48 . 45-		SPC.S -		S156	TS2CC-28	45	156-1		HSSVMCB2	27	312200 P001	017	1S	1S	
047	SPIRE PSW (4) Ch45-48 . SHD45		SPC.S -		S156	TS2CC-28	45	156-1	CS-S156-1	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
031	SPIRE PSW (4) Ch45-48 . 46+		SPC.S -		S156	TS2CC-28	46	156-2		HSSVMCB2	27	312200 P001	018	1S	1S	
015	SPIRE PSW (4) Ch45-48 . 46-		SPC.S -		S156	TS2CC-28	46	156-2		HSSVMCB2	27	312200 P001	028	1S	1S	
048	SPIRE PSW (4) Ch45-48 . SHD46		SPC.S -		S156	TS2CC-28	46	156-2	CS-S156-2	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
032	SPIRE PSW (4) Ch45-48 . 47+		SPC.S -		S156	TS2CC-28	47	156-3		HSSVMCB2	27	312200 P001	016	1S	1S	
016	SPIRE PSW (4) Ch45-48 . 47-		SPC.S -		S156	TS2CC-28	47	156-3		HSSVMCB2	27	312200 P001	027	1S	1S	
049	SPIRE PSW (4) Ch45-48 . SHD47		SPC.S -		S156	TS2CC-28	47	156-3	CS-S156-3	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
033	SPIRE PSW (4) Ch45-48 . 48+		SPC.S -		S156	TS2CC-28	48	156-4		HSSVMCB2	27	312200 P001	040	1S	1S	
017	SPIRE PSW (4) Ch45-48 . 48-		SPC.S -		S156	TS2CC-28	48	156-4		HSSVMCB2	27	312200 P001	039	1S	1S	
050	SPIRE PSW (4) Ch45-48 . SHD48		SPC.S -		S156	TS2CC-28	48	156-4	CS-S156-4	HSSVMCB2	27	312200 P001	004	1S	1S	
-																
009	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30				HSSVMCB2	27	312200 P001	004	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P010
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P009
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (3) Ch17-20 . 17+		SPC.S -		S146	TS2CC-28	17	146-1			HSSVMCB2	27	312200 P001	055	1S	1S
018	SPIRE PSW (3) Ch17-20 . 17-		SPC.S -		S146	TS2CC-28	17	146-1			HSSVMCB2	27	312200 P001	066	1S	1S
034	SPIRE PSW (3) Ch17-20 . SHD17		SPC.S -		S146	TS2CC-28	17	146-1	CS-S146-1		HSSVMCB2	27	312200 P001	128	1S	1S
-																
002	SPIRE PSW (3) Ch17-20 . 18+		SPC.S -		S146	TS2CC-28	18	146-2			HSSVMCB2	27	312200 P001	067	1S	1S
019	SPIRE PSW (3) Ch17-20 . 18-		SPC.S -		S146	TS2CC-28	18	146-2			HSSVMCB2	27	312200 P001	078	1S	1S
035	SPIRE PSW (3) Ch17-20 . SHD18		SPC.S -		S146	TS2CC-28	18	146-2	CS-S146-2		HSSVMCB2	27	312200 P001	128	1S	1S
-																
003	SPIRE PSW (3) Ch17-20 . 19+		SPC.S -		S146	TS2CC-28	19	146-3			HSSVMCB2	27	312200 P001	076	1S	1S
020	SPIRE PSW (3) Ch17-20 . 19-		SPC.S -		S146	TS2CC-28	19	146-3			HSSVMCB2	27	312200 P001	077	1S	1S
036	SPIRE PSW (3) Ch17-20 . SHD19		SPC.S -		S146	TS2CC-28	19	146-3	CS-S146-3		HSSVMCB2	27	312200 P001	128	1S	1S
-																
004	SPIRE PSW (3) Ch17-20 . 20+		SPC.S -		S146	TS2CC-28	20	146-4			HSSVMCB2	27	312200 P001	088	1S	1S
021	SPIRE PSW (3) Ch17-20 . 20-		SPC.S -		S146	TS2CC-28	20	146-4			HSSVMCB2	27	312200 P001	089	1S	1S
037	SPIRE PSW (3) Ch17-20 . SHD20		SPC.S -		S146	TS2CC-28	20	146-4	CS-S146-4		HSSVMCB2	27	312200 P001	128	1S	1S
-																
005	SPIRE PSW (3) Ch21-24 . 21+		SPC.S -		S147	TS2CC-28	21	147-1			HSSVMCB2	27	312200 P001	099	1S	1S
022	SPIRE PSW (3) Ch21-24 . 21-		SPC.S -		S147	TS2CC-28	21	147-1			HSSVMCB2	27	312200 P001	100	1S	1S
038	SPIRE PSW (3) Ch21-24 . SHD21		SPC.S -		S147	TS2CC-28	21	147-1	CS-S147-1		HSSVMCB2	27	312200 P001	128	1S	1S
-																
006	SPIRE PSW (3) Ch21-24 . 22+		SPC.S -		S147	TS2CC-28	22	147-2			HSSVMCB2	27	312200 P001	110	1S	1S
023	SPIRE PSW (3) Ch21-24 . 22-		SPC.S -		S147	TS2CC-28	22	147-2			HSSVMCB2	27	312200 P001	111	1S	1S
039	SPIRE PSW (3) Ch21-24 . SHD22		SPC.S -		S147	TS2CC-28	22	147-2	CS-S147-2		HSSVMCB2	27	312200 P001	128	1S	1S
-																
007	SPIRE PSW (3) Ch21-24 . 23+		SPC.S -		S147	TS2CC-28	23	147-3			HSSVMCB2	27	312200 P001	118	1S	1S
024	SPIRE PSW (3) Ch21-24 . 23-		SPC.S -		S147	TS2CC-28	23	147-3			HSSVMCB2	27	312200 P001	119	1S	1S
040	SPIRE PSW (3) Ch21-24 . SHD23		SPC.S -		S147	TS2CC-28	23	147-3	CS-S147-3		HSSVMCB2	27	312200 P001	128	1S	1S
-																
008	SPIRE PSW (3) Ch21-24 . 24+		SPC.S -		S147	TS2CC-28	24	147-4			HSSVMCB2	27	312200 P001	112	1S	1S
025	SPIRE PSW (3) Ch21-24 . 24-		SPC.S -		S147	TS2CC-28	24	147-4			HSSVMCB2	27	312200 P001	120	1S	1S
041	SPIRE PSW (3) Ch21-24 . SHD24		SPC.S -		S147	TS2CC-28	24	147-4	CS-S147-4		HSSVMCB2	27	312200 P001	128	1S	1S
-																
026	SPIRE PSW (4) Ch25-28 . 25+		SPC.S -		S149	TS2CC-28	25	149-1			HSSVMCB2	27	312200 P001	090	1S	1S
010	SPIRE PSW (4) Ch25-28 . 25-		SPC.S -		S149	TS2CC-28	25	149-1			HSSVMCB2	27	312200 P001	079	1S	1S

Pin Allocation List

(Harness)

Connector: 122300 P009
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (4) Ch25-28 . SHD25		SPC.S -		S149	TS2CC-28	25	149-1	CS-S149-1	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
027	SPIRE PSW (4) Ch25-28 . 26+		SPC.S -		S149	TS2CC-28	26	149-2		HSSVMCB2	27	312200 P001	102	1S	1S	
011	SPIRE PSW (4) Ch25-28 . 26-		SPC.S -		S149	TS2CC-28	26	149-2		HSSVMCB2	27	312200 P001	101	1S	1S	
044	SPIRE PSW (4) Ch25-28 . SHD26		SPC.S -		S149	TS2CC-28	26	149-2	CS-S149-2	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
028	SPIRE PSW (4) Ch25-28 . 27+		SPC.S -		S149	TS2CC-28	27	149-3		HSSVMCB2	27	312200 P001	092	1S	1S	
012	SPIRE PSW (4) Ch25-28 . 27-		SPC.S -		S149	TS2CC-28	27	149-3		HSSVMCB2	27	312200 P001	091	1S	1S	
045	SPIRE PSW (4) Ch25-28 . SHD27		SPC.S -		S149	TS2CC-28	27	149-3	CS-S149-3	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
029	SPIRE PSW (4) Ch25-28 . 28+		SPC.S -		S149	TS2CC-28	28	149-4		HSSVMCB2	27	312200 P001	103	1S	1S	
013	SPIRE PSW (4) Ch25-28 . 28-		SPC.S -		S149	TS2CC-28	28	149-4		HSSVMCB2	27	312200 P001	113	1S	1S	
046	SPIRE PSW (4) Ch25-28 . SHD28		SPC.S -		S149	TS2CC-28	28	149-4	CS-S149-4	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
030	SPIRE PSW (4) Ch29-32 . 29+		SPC.S -		S150	TS2CC-28	29	150-1		HSSVMCB2	27	312200 P001	058	1S	1S	
014	SPIRE PSW (4) Ch29-32 . 29-		SPC.S -		S150	TS2CC-28	29	150-1		HSSVMCB2	27	312200 P001	046	1S	1S	
047	SPIRE PSW (4) Ch29-32 . SHD29		SPC.S -		S150	TS2CC-28	29	150-1	CS-S150-1	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
031	SPIRE PSW (4) Ch29-32 . 30+		SPC.S -		S150	TS2CC-28	30	150-2		HSSVMCB2	27	312200 P001	068	1S	1S	
015	SPIRE PSW (4) Ch29-32 . 30-		SPC.S -		S150	TS2CC-28	30	150-2		HSSVMCB2	27	312200 P001	057	1S	1S	
048	SPIRE PSW (4) Ch29-32 . SHD30		SPC.S -		S150	TS2CC-28	30	150-2	CS-S150-2	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
032	SPIRE PSW (4) Ch29-32 . 31+		SPC.S -		S150	TS2CC-28	31	150-3		HSSVMCB2	27	312200 P001	069	1S	1S	
016	SPIRE PSW (4) Ch29-32 . 31-		SPC.S -		S150	TS2CC-28	31	150-3		HSSVMCB2	27	312200 P001	080	1S	1S	
049	SPIRE PSW (4) Ch29-32 . SHD31		SPC.S -		S150	TS2CC-28	31	150-3	CS-S150-3	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
033	SPIRE PSW (4) Ch29-32 . 32+		SPC.S -		S150	TS2CC-28	32	150-4		HSSVMCB2	27	312200 P001	070	1S	1S	
017	SPIRE PSW (4) Ch29-32 . 32-		SPC.S -		S150	TS2CC-28	32	150-4		HSSVMCB2	27	312200 P001	081	1S	1S	
050	SPIRE PSW (4) Ch29-32 . SHD32		SPC.S -		S150	TS2CC-28	32	150-4	CS-S150-4	HSSVMCB2	27	312200 P001	128	1S	1S	
-																
009	SPIRE PLW B08 GND WIRE A2		SPX.S -		S482	T01C0-26				HSSVMCB2	27	312200 P001	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P009
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List (Harness)

Connector: 122300 P008

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE PSW (3) Ch01-04 . 1+	SPC.S	-		S140	TS2CC-28	1	140-1		HSSVMCB2	27	312200 P001	026	1S	1S	
018	SPIRE PSW (3) Ch01-04 . 1-	SPC.S	-		S140	TS2CC-28	1	140-1		HSSVMCB2	27	312200 P001	037	1S	1S	
034	SPIRE PSW (3) Ch01-04 . SHD01	SPC.S	-		S140	TS2CC-28	1	140-1	CS-S140-1	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
002	SPIRE PSW (3) Ch01-04 . 2+	SPC.S	-		S140	TS2CC-28	2	140-2		HSSVMCB2	27	312200 P001	038	1S	1S	
019	SPIRE PSW (3) Ch01-04 . 2-	SPC.S	-		S140	TS2CC-28	2	140-2		HSSVMCB2	27	312200 P001	049	1S	1S	
035	SPIRE PSW (3) Ch01-04 . SHD02	SPC.S	-		S140	TS2CC-28	2	140-2	CS-S140-2	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
003	SPIRE PSW (3) Ch01-04 . 3+	SPC.S	-		S140	TS2CC-28	3	140-3		HSSVMCB2	27	312200 P001	048	1S	1S	
020	SPIRE PSW (3) Ch01-04 . 3-	SPC.S	-		S140	TS2CC-28	3	140-3		HSSVMCB2	27	312200 P001	060	1S	1S	
036	SPIRE PSW (3) Ch01-04 . SHD03	SPC.S	-		S140	TS2CC-28	3	140-3	CS-S140-3	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
004	SPIRE PSW (3) Ch01-04 . 4+	SPC.S	-		S140	TS2CC-28	4	140-4		HSSVMCB2	27	312200 P001	059	1S	1S	
021	SPIRE PSW (3) Ch01-04 . 4-	SPC.S	-		S140	TS2CC-28	4	140-4		HSSVMCB2	27	312200 P001	071	1S	1S	
037	SPIRE PSW (3) Ch01-04 . SHD04	SPC.S	-		S140	TS2CC-28	4	140-4	CS-S140-4	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
005	SPIRE PSW (3) Ch05-08 . 5+	SPC.S	-		S141	TS2CC-28	5	141-1		HSSVMCB2	27	312200 P001	050	1S	1S	
022	SPIRE PSW (3) Ch05-08 . 5-	SPC.S	-		S141	TS2CC-28	5	141-1		HSSVMCB2	27	312200 P001	061	1S	1S	
038	SPIRE PSW (3) Ch05-08 . SHD05	SPC.S	-		S141	TS2CC-28	5	141-1	CS-S141-1	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
006	SPIRE PSW (3) Ch05-08 . 6+	SPC.S	-		S141	TS2CC-28	6	141-2		HSSVMCB2	27	312200 P001	062	1S	1S	
023	SPIRE PSW (3) Ch05-08 . 6-	SPC.S	-		S141	TS2CC-28	6	141-2		HSSVMCB2	27	312200 P001	051	1S	1S	
039	SPIRE PSW (3) Ch05-08 . SHD06	SPC.S	-		S141	TS2CC-28	6	141-2	CS-S141-2	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
007	SPIRE PSW (3) Ch05-08 . 7+	SPC.S	-		S141	TS2CC-28	7	141-3		HSSVMCB2	27	312200 P001	063	1S	1S	
024	SPIRE PSW (3) Ch05-08 . 7-	SPC.S	-		S141	TS2CC-28	7	141-3		HSSVMCB2	27	312200 P001	075	1S	1S	
040	SPIRE PSW (3) Ch05-08 . SHD07	SPC.S	-		S141	TS2CC-28	7	141-3	CS-S141-3	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
008	SPIRE PSW (3) Ch05-08 . 8+	SPC.S	-		S141	TS2CC-28	8	141-4		HSSVMCB2	27	312200 P001	074	1S	1S	
025	SPIRE PSW (3) Ch05-08 . 8-	SPC.S	-		S141	TS2CC-28	8	141-4		HSSVMCB2	27	312200 P001	073	1S	1S	
041	SPIRE PSW (3) Ch05-08 . SHD08	SPC.S	-		S141	TS2CC-28	8	141-4	CS-S141-4	HSSVMCB2	27	312200 P001	036	1S	1S	
-																
026	SPIRE PSW (3) Ch09-12 . 9+	SPC.S	-		S142	TS2CC-28	9	142-1		HSSVMCB2	27	312200 P001	083	1S	1S	
010	SPIRE PSW (3) Ch09-12 . 9-	SPC.S	-		S142	TS2CC-28	9	142-1		HSSVMCB2	27	312200 P001	072	1S	1S	

Pin Allocation List

(Harness)

Connector: 122300 P008**Function / Bundle:** DCU JFP PSW SIH-XS-08**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW (3) Ch09-12 . SHD09		SPC.S -		S142	TS2CC-28	9	142-1		CS-S142-1	HSSVMCB2	27	312200 P001	036	1S	1S
-																
027	SPIRE PSW (3) Ch09-12 . 10+		SPC.S -		S142	TS2CC-28	10	142-2			HSSVMCB2	27	312200 P001	095	1S	1S
011	SPIRE PSW (3) Ch09-12 . 10-		SPC.S -		S142	TS2CC-28	10	142-2			HSSVMCB2	27	312200 P001	084	1S	1S
044	SPIRE PSW (3) Ch09-12 . SHD10		SPC.S -		S142	TS2CC-28	10	142-2		CS-S142-2	HSSVMCB2	27	312200 P001	036	1S	1S
-																
028	SPIRE PSW (3) Ch09-12 . 11+		SPC.S -		S142	TS2CC-28	11	142-3			HSSVMCB2	27	312200 P001	096	1S	1S
012	SPIRE PSW (3) Ch09-12 . 11-		SPC.S -		S142	TS2CC-28	11	142-3			HSSVMCB2	27	312200 P001	085	1S	1S
045	SPIRE PSW (3) Ch09-12 . SHD11		SPC.S -		S142	TS2CC-28	11	142-3		CS-S142-3	HSSVMCB2	27	312200 P001	036	1S	1S
-																
029	SPIRE PSW (3) Ch09-12 . 12+		SPC.S -		S142	TS2CC-28	12	142-4			HSSVMCB2	27	312200 P001	106	1S	1S
013	SPIRE PSW (3) Ch09-12 . 12-		SPC.S -		S142	TS2CC-28	12	142-4			HSSVMCB2	27	312200 P001	107	1S	1S
046	SPIRE PSW (3) Ch09-12 . SHD12		SPC.S -		S142	TS2CC-28	12	142-4		CS-S142-4	HSSVMCB2	27	312200 P001	036	1S	1S
-																
030	SPIRE PSW (3) Ch13-16 . 13+		SPC.S -		S145	TS2CC-28	13	145-1			HSSVMCB2	27	312200 P001	086	1S	1S
014	SPIRE PSW (3) Ch13-16 . 13-		SPC.S -		S145	TS2CC-28	13	145-1			HSSVMCB2	27	312200 P001	087	1S	1S
047	SPIRE PSW (3) Ch13-16 . SHD13		SPC.S -		S145	TS2CC-28	13	145-1		CS-S145-1	HSSVMCB2	27	312200 P001	036	1S	1S
-																
031	SPIRE PSW (3) Ch13-16 . 14+		SPC.S -		S145	TS2CC-28	14	145-2			HSSVMCB2	27	312200 P001	097	1S	1S
015	SPIRE PSW (3) Ch13-16 . 14-		SPC.S -		S145	TS2CC-28	14	145-2			HSSVMCB2	27	312200 P001	098	1S	1S
048	SPIRE PSW (3) Ch13-16 . SHD14		SPC.S -		S145	TS2CC-28	14	145-2		CS-S145-2	HSSVMCB2	27	312200 P001	036	1S	1S
-																
032	SPIRE PSW (3) Ch13-16 . 15+		SPC.S -		S145	TS2CC-28	15	145-3			HSSVMCB2	27	312200 P001	108	1S	1S
016	SPIRE PSW (3) Ch13-16 . 15-		SPC.S -		S145	TS2CC-28	15	145-3			HSSVMCB2	27	312200 P001	109	1S	1S
049	SPIRE PSW (3) Ch13-16 . SHD15		SPC.S -		S145	TS2CC-28	15	145-3		CS-S145-3	HSSVMCB2	27	312200 P001	036	1S	1S
-																
033	SPIRE PSW (3) Ch13-16 . 16+		SPC.S -		S145	TS2CC-28	16	145-4			HSSVMCB2	27	312200 P001	116	1S	1S
017	SPIRE PSW (3) Ch13-16 . 16-		SPC.S -		S145	TS2CC-28	16	145-4			HSSVMCB2	27	312200 P001	117	1S	1S
050	SPIRE PSW (3) Ch13-16 . SHD16		SPC.S -		S145	TS2CC-28	16	145-4		CS-S145-4	HSSVMCB2	27	312200 P001	036	1S	1S
-																
009	SPIRE PLW B08 GND WIRE A1		SPX.S -		S481	T01C0-26					HSSVMCB2	27	312200 P001	036	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P008
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

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Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312200 P002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
026	SPIRE PSW Ch01-04 . 1+		SPC.S -		S122	TS2CC-28	1	122-1			HSDCU	17	122300 P005	001	1S 1S
037	SPIRE PSW Ch01-04 . 1-		SPC.S -		S122	TS2CC-28	1	122-1			HSDCU	17	122300 P005	018	1S 1S
036	SPIRE PSW Ch01-04 . SHD01		SPC.S -		S122	TS2CC-28	1	122-1	CS-S122-1		HSDCU	17	122300 P005	034	1S 1S
-															
038	SPIRE PSW Ch01-04 . 2+		SPC.S -		S122	TS2CC-28	2	122-2			HSDCU	17	122300 P005	002	1S 1S
049	SPIRE PSW Ch01-04 . 2-		SPC.S -		S122	TS2CC-28	2	122-2			HSDCU	17	122300 P005	019	1S 1S
036	SPIRE PSW Ch01-04 . SHD02		SPC.S -		S122	TS2CC-28	2	122-2	CS-S122-2		HSDCU	17	122300 P005	035	1S 1S
-															
048	SPIRE PSW Ch01-04 . 3+		SPC.S -		S122	TS2CC-28	3	122-3			HSDCU	17	122300 P005	003	1S 1S
060	SPIRE PSW Ch01-04 . 3-		SPC.S -		S122	TS2CC-28	3	122-3			HSDCU	17	122300 P005	020	1S 1S
036	SPIRE PSW Ch01-04 . SHD03		SPC.S -		S122	TS2CC-28	3	122-3	CS-S122-3		HSDCU	17	122300 P005	036	1S 1S
-															
059	SPIRE PSW Ch01-04 . 4+		SPC.S -		S122	TS2CC-28	4	122-4			HSDCU	17	122300 P005	004	1S 1S
071	SPIRE PSW Ch01-04 . 4-		SPC.S -		S122	TS2CC-28	4	122-4			HSDCU	17	122300 P005	021	1S 1S
036	SPIRE PSW Ch01-04 . SHD04		SPC.S -		S122	TS2CC-28	4	122-4	CS-S122-4		HSDCU	17	122300 P005	037	1S 1S
-															
050	SPIRE PSW Ch05-08 . 5+		SPC.S -		S123	TS2CC-28	5	123-1			HSDCU	17	122300 P005	005	1S 1S
061	SPIRE PSW Ch05-08 . 5-		SPC.S -		S123	TS2CC-28	5	123-1			HSDCU	17	122300 P005	022	1S 1S
036	SPIRE PSW Ch05-08 . SHD05		SPC.S -		S123	TS2CC-28	5	123-1	CS-S123-1		HSDCU	17	122300 P005	038	1S 1S
-															
062	SPIRE PSW Ch05-08 . 6+		SPC.S -		S123	TS2CC-28	6	123-2			HSDCU	17	122300 P005	006	1S 1S
051	SPIRE PSW Ch05-08 . 6-		SPC.S -		S123	TS2CC-28	6	123-2			HSDCU	17	122300 P005	023	1S 1S
036	SPIRE PSW Ch05-08 . SHD06		SPC.S -		S123	TS2CC-28	6	123-2	CS-S123-2		HSDCU	17	122300 P005	039	1S 1S
-															
063	SPIRE PSW Ch05-08 . 7+		SPC.S -		S123	TS2CC-28	7	123-3			HSDCU	17	122300 P005	007	1S 1S
075	SPIRE PSW Ch05-08 . 7-		SPC.S -		S123	TS2CC-28	7	123-3			HSDCU	17	122300 P005	024	1S 1S
036	SPIRE PSW Ch05-08 . SHD07		SPC.S -		S123	TS2CC-28	7	123-3	CS-S123-3		HSDCU	17	122300 P005	040	1S 1S
-															
074	SPIRE PSW Ch05-08 . 8+		SPC.S -		S123	TS2CC-28	8	123-4			HSDCU	17	122300 P005	008	1S 1S
073	SPIRE PSW Ch05-08 . 8-		SPC.S -		S123	TS2CC-28	8	123-4			HSDCU	17	122300 P005	025	1S 1S
036	SPIRE PSW Ch05-08 . SHD08		SPC.S -		S123	TS2CC-28	8	123-4	CS-S123-4		HSDCU	17	122300 P005	041	1S 1S
-															
083	SPIRE PSW Ch09-12 . 9+		SPC.S -		S124	TS2CC-28	9	124-1			HSDCU	17	122300 P005	026	1S 1S
072	SPIRE PSW Ch09-12 . 9-		SPC.S -		S124	TS2CC-28	9	124-1			HSDCU	17	122300 P005	010	1S 1S

Pin Allocation List

(Harness)

Connector: 312200 P002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
036	SPIRE PSW Ch09-12 . SHD09		SPC.S -		S124	TS2CC-28	9	124-1	CS-S124-1	HSDCU	17	122300 P005	043	1S	1S	
-																
095	SPIRE PSW Ch09-12 . 10+		SPC.S -		S124	TS2CC-28	10	124-2		HSDCU	17	122300 P005	027	1S	1S	
084	SPIRE PSW Ch09-12 . 10-		SPC.S -		S124	TS2CC-28	10	124-2		HSDCU	17	122300 P005	011	1S	1S	
036	SPIRE PSW Ch09-12 . SHD10		SPC.S -		S124	TS2CC-28	10	124-2	CS-S124-2	HSDCU	17	122300 P005	044	1S	1S	
-																
096	SPIRE PSW Ch09-12 . 11+		SPC.S -		S124	TS2CC-28	11	124-3		HSDCU	17	122300 P005	028	1S	1S	
085	SPIRE PSW Ch09-12 . 11-		SPC.S -		S124	TS2CC-28	11	124-3		HSDCU	17	122300 P005	012	1S	1S	
036	SPIRE PSW Ch09-12 . SHD11		SPC.S -		S124	TS2CC-28	11	124-3	CS-S124-3	HSDCU	17	122300 P005	045	1S	1S	
-																
106	SPIRE PSW Ch09-12 . 12+		SPC.S -		S124	TS2CC-28	12	124-4		HSDCU	17	122300 P005	029	1S	1S	
107	SPIRE PSW Ch09-12 . 12-		SPC.S -		S124	TS2CC-28	12	124-4		HSDCU	17	122300 P005	013	1S	1S	
036	SPIRE PSW Ch09-12 . SHD12		SPC.S -		S124	TS2CC-28	12	124-4	CS-S124-4	HSDCU	17	122300 P005	046	1S	1S	
-																
086	SPIRE PSW Ch13-16 . 13+		SPC.S -		S127	TS2CC-28	13	127-1		HSDCU	17	122300 P005	030	1S	1S	
087	SPIRE PSW Ch13-16 . 13-		SPC.S -		S127	TS2CC-28	13	127-1		HSDCU	17	122300 P005	014	1S	1S	
036	SPIRE PSW Ch13-16 . SHD13		SPC.S -		S127	TS2CC-28	13	127-1	CS-S127-1	HSDCU	17	122300 P005	047	1S	1S	
-																
097	SPIRE PSW Ch13-16 . 14+		SPC.S -		S127	TS2CC-28	14	127-2		HSDCU	17	122300 P005	031	1S	1S	
098	SPIRE PSW Ch13-16 . 14-		SPC.S -		S127	TS2CC-28	14	127-2		HSDCU	17	122300 P005	015	1S	1S	
036	SPIRE PSW Ch13-16 . SHD14		SPC.S -		S127	TS2CC-28	14	127-2	CS-S127-2	HSDCU	17	122300 P005	048	1S	1S	
-																
108	SPIRE PSW Ch13-16 . 15+		SPC.S -		S127	TS2CC-28	15	127-3		HSDCU	17	122300 P005	032	1S	1S	
109	SPIRE PSW Ch13-16 . 15-		SPC.S -		S127	TS2CC-28	15	127-3		HSDCU	17	122300 P005	016	1S	1S	
036	SPIRE PSW Ch13-16 . SHD15		SPC.S -		S127	TS2CC-28	15	127-3	CS-S127-3	HSDCU	17	122300 P005	049	1S	1S	
-																
116	SPIRE PSW Ch13-16 . 16+		SPC.S -		S127	TS2CC-28	16	127-4		HSDCU	17	122300 P005	033	1S	1S	
117	SPIRE PSW Ch13-16 . 16-		SPC.S -		S127	TS2CC-28	16	127-4		HSDCU	17	122300 P005	017	1S	1S	
036	SPIRE PSW Ch13-16 . SHD16		SPC.S -		S127	TS2CC-28	16	127-4	CS-S127-4	HSDCU	17	122300 P005	050	1S	1S	
-																
036	SPIRE PLW B09 GND WIRE A1		SPX.S -		S491	T01C0-26				HSDCU	17	122300 P005	009	1S	1S	
-																
055	SPIRE PSW Ch17-20 . 17+		SPC.S -		S128	TS2CC-28	17	128-1		HSDCU	17	122300 P006	001	1S	1S	
066	SPIRE PSW Ch17-20 . 17-		SPC.S -		S128	TS2CC-28	17	128-1		HSDCU	17	122300 P006	018	1S	1S	

Pin Allocation List

(Harness)

Connector: 312200 P002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
128	SPIRE PSW Ch17-20 . SHD17		SPC.S -		S128	TS2CC-28	17	128-1	CS-S128-1	HSDCU	17	122300 P006	034	1S	1S	
-																
067	SPIRE PSW Ch17-20 . 18+		SPC.S -		S128	TS2CC-28	18	128-2		HSDCU	17	122300 P006	002	1S	1S	
078	SPIRE PSW Ch17-20 . 18-		SPC.S -		S128	TS2CC-28	18	128-2		HSDCU	17	122300 P006	019	1S	1S	
128	SPIRE PSW Ch17-20 . SHD18		SPC.S -		S128	TS2CC-28	18	128-2	CS-S128-2	HSDCU	17	122300 P006	035	1S	1S	
-																
076	SPIRE PSW Ch17-20 . 19+		SPC.S -		S128	TS2CC-28	19	128-3		HSDCU	17	122300 P006	003	1S	1S	
077	SPIRE PSW Ch17-20 . 19-		SPC.S -		S128	TS2CC-28	19	128-3		HSDCU	17	122300 P006	020	1S	1S	
128	SPIRE PSW Ch17-20 . SHD19		SPC.S -		S128	TS2CC-28	19	128-3	CS-S128-3	HSDCU	17	122300 P006	036	1S	1S	
-																
088	SPIRE PSW Ch17-20 . 20+		SPC.S -		S128	TS2CC-28	20	128-4		HSDCU	17	122300 P006	004	1S	1S	
089	SPIRE PSW Ch17-20 . 20-		SPC.S -		S128	TS2CC-28	20	128-4		HSDCU	17	122300 P006	021	1S	1S	
128	SPIRE PSW Ch17-20 . SHD20		SPC.S -		S128	TS2CC-28	20	128-4	CS-S128-4	HSDCU	17	122300 P006	037	1S	1S	
-																
099	SPIRE PSW Ch21-24 . 21+		SPC.S -		S129	TS2CC-28	21	129-1		HSDCU	17	122300 P006	005	1S	1S	
100	SPIRE PSW Ch21-24 . 21-		SPC.S -		S129	TS2CC-28	21	129-1		HSDCU	17	122300 P006	022	1S	1S	
128	SPIRE PSW Ch21-24 . SHD21		SPC.S -		S129	TS2CC-28	21	129-1	CS-S129-1	HSDCU	17	122300 P006	038	1S	1S	
-																
110	SPIRE PSW Ch21-24 . 22+		SPC.S -		S129	TS2CC-28	22	129-2		HSDCU	17	122300 P006	006	1S	1S	
111	SPIRE PSW Ch21-24 . 22-		SPC.S -		S129	TS2CC-28	22	129-2		HSDCU	17	122300 P006	023	1S	1S	
128	SPIRE PSW Ch21-24 . SHD22		SPC.S -		S129	TS2CC-28	22	129-2	CS-S129-2	HSDCU	17	122300 P006	039	1S	1S	
-																
118	SPIRE PSW Ch21-24 . 23+		SPC.S -		S129	TS2CC-28	23	129-3		HSDCU	17	122300 P006	007	1S	1S	
119	SPIRE PSW Ch21-24 . 23-		SPC.S -		S129	TS2CC-28	23	129-3		HSDCU	17	122300 P006	024	1S	1S	
128	SPIRE PSW Ch21-24 . SHD23		SPC.S -		S129	TS2CC-28	23	129-3	CS-S129-3	HSDCU	17	122300 P006	040	1S	1S	
-																
112	SPIRE PSW Ch21-24 . 24+		SPC.S -		S129	TS2CC-28	24	129-4		HSDCU	17	122300 P006	008	1S	1S	
120	SPIRE PSW Ch21-24 . 24-		SPC.S -		S129	TS2CC-28	24	129-4		HSDCU	17	122300 P006	025	1S	1S	
128	SPIRE PSW Ch21-24 . SHD24		SPC.S -		S129	TS2CC-28	24	129-4	CS-S129-4	HSDCU	17	122300 P006	041	1S	1S	
-																
090	SPIRE PSW Ch25-28 . 25+		SPC.S -		S131	TS2CC-28	25	131-1		HSDCU	17	122300 P006	026	1S	1S	
079	SPIRE PSW Ch25-28 . 25-		SPC.S -		S131	TS2CC-28	25	131-1		HSDCU	17	122300 P006	010	1S	1S	
128	SPIRE PSW Ch25-28 . SHD25		SPC.S -		S131	TS2CC-28	25	131-1	CS-S131-1	HSDCU	17	122300 P006	043	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
102	SPIRE PSW Ch25-28 . 26+	SPC.S	-		S131	TS2CC-28	26	131-2		HSDCU	17	122300 P006	027	1S	1S	
101	SPIRE PSW Ch25-28 . 26-	SPC.S	-		S131	TS2CC-28	26	131-2		HSDCU	17	122300 P006	011	1S	1S	
128	SPIRE PSW Ch25-28 . SHD26	SPC.S	-		S131	TS2CC-28	26	131-2	CS-S131-2	HSDCU	17	122300 P006	044	1S	1S	
-																
092	SPIRE PSW Ch25-28 . 27+	SPC.S	-		S131	TS2CC-28	27	131-3		HSDCU	17	122300 P006	028	1S	1S	
091	SPIRE PSW Ch25-28 . 27-	SPC.S	-		S131	TS2CC-28	27	131-3		HSDCU	17	122300 P006	012	1S	1S	
128	SPIRE PSW Ch25-28 . SHD27	SPC.S	-		S131	TS2CC-28	27	131-3	CS-S131-3	HSDCU	17	122300 P006	045	1S	1S	
-																
103	SPIRE PSW Ch25-28 . 28+	SPC.S	-		S131	TS2CC-28	28	131-4		HSDCU	17	122300 P006	029	1S	1S	
113	SPIRE PSW Ch25-28 . 28-	SPC.S	-		S131	TS2CC-28	28	131-4		HSDCU	17	122300 P006	013	1S	1S	
128	SPIRE PSW Ch25-28 . SHD28	SPC.S	-		S131	TS2CC-28	28	131-4	CS-S131-4	HSDCU	17	122300 P006	046	1S	1S	
-																
058	SPIRE PSW Ch29-32 . 29+	SPC.S	-		S132	TS2CC-28	29	132-1		HSDCU	17	122300 P006	030	1S	1S	
046	SPIRE PSW Ch29-32 . 29-	SPC.S	-		S132	TS2CC-28	29	132-1		HSDCU	17	122300 P006	014	1S	1S	
128	SPIRE PSW Ch29-32 . SHD29	SPC.S	-		S132	TS2CC-28	29	132-1	CS-S132-1	HSDCU	17	122300 P006	047	1S	1S	
-																
068	SPIRE PSW Ch29-32 . 30+	SPC.S	-		S132	TS2CC-28	30	132-2		HSDCU	17	122300 P006	031	1S	1S	
057	SPIRE PSW Ch29-32 . 30-	SPC.S	-		S132	TS2CC-28	30	132-2		HSDCU	17	122300 P006	015	1S	1S	
128	SPIRE PSW Ch29-32 . SHD30	SPC.S	-		S132	TS2CC-28	30	132-2	CS-S132-2	HSDCU	17	122300 P006	048	1S	1S	
-																
069	SPIRE PSW Ch29-32 . 31+	SPC.S	-		S132	TS2CC-28	31	132-3		HSDCU	17	122300 P006	032	1S	1S	
080	SPIRE PSW Ch29-32 . 31-	SPC.S	-		S132	TS2CC-28	31	132-3		HSDCU	17	122300 P006	016	1S	1S	
128	SPIRE PSW Ch29-32 . SHD31	SPC.S	-		S132	TS2CC-28	31	132-3	CS-S132-3	HSDCU	17	122300 P006	049	1S	1S	
-																
070	SPIRE PSW Ch29-32 . 32+	SPC.S	-		S132	TS2CC-28	32	132-4		HSDCU	17	122300 P006	033	1S	1S	
081	SPIRE PSW Ch29-32 . 32-	SPC.S	-		S132	TS2CC-28	32	132-4		HSDCU	17	122300 P006	017	1S	1S	
128	SPIRE PSW Ch29-32 . SHD32	SPC.S	-		S132	TS2CC-28	32	132-4	CS-S132-4	HSDCU	17	122300 P006	050	1S	1S	
-																
128	SPIRE PLW B09 GND WIRE A2	SPX.S	-		S492	T01C0-26				HSDCU	17	122300 P006	009	1S	1S	
-																
023	SPIRE PSW Ch33-36 . 33+	SPC.S	-		S133	TS2CC-28	33	133-1		HSDCU	17	122300 P007	001	1S	1S	
034	SPIRE PSW Ch33-36 . 33-	SPC.S	-		S133	TS2CC-28	33	133-1		HSDCU	17	122300 P007	018	1S	1S	
004	SPIRE PSW Ch33-36 . SHD33	SPC.S	-		S133	TS2CC-28	33	133-1	CS-S133-1	HSDCU	17	122300 P007	034	1S	1S	
-																

Pin Allocation List

(Harness)

Connector: 312200 P002**Function / Bundle:** SPIRE SVM CB2 SIH-XS-09**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE PSW Ch33-36 . 34+		SPC.S -		S133	TS2CC-28	34	133-2		HSDCU	17	122300 P007	002	1S	1S
045	SPIRE PSW Ch33-36 . 34-		SPC.S -		S133	TS2CC-28	34	133-2		HSDCU	17	122300 P007	019	1S	1S
004	SPIRE PSW Ch33-36 . SHD34		SPC.S -		S133	TS2CC-28	34	133-2	CS-S133-2	HSDCU	17	122300 P007	035	1S	1S
-															
044	SPIRE PSW Ch33-36 . 35+		SPC.S -		S133	TS2CC-28	35	133-3		HSDCU	17	122300 P007	003	1S	1S
056	SPIRE PSW Ch33-36 . 35-		SPC.S -		S133	TS2CC-28	35	133-3		HSDCU	17	122300 P007	020	1S	1S
004	SPIRE PSW Ch33-36 . SHD35		SPC.S -		S133	TS2CC-28	35	133-3	CS-S133-3	HSDCU	17	122300 P007	036	1S	1S
-															
022	SPIRE PSW Ch33-36 . 36+		SPC.S -		S133	TS2CC-28	36	133-4		HSDCU	17	122300 P007	004	1S	1S
032	SPIRE PSW Ch33-36 . 36-		SPC.S -		S133	TS2CC-28	36	133-4		HSDCU	17	122300 P007	021	1S	1S
004	SPIRE PSW Ch33-36 . SHD36		SPC.S -		S133	TS2CC-28	36	133-4	CS-S133-4	HSDCU	17	122300 P007	037	1S	1S
-															
013	SPIRE PSW Ch37-40 . 37+		SPC.S -		S136	TS2CC-28	37	136-1		HSDCU	17	122300 P007	005	1S	1S
012	SPIRE PSW Ch37-40 . 37-		SPC.S -		S136	TS2CC-28	37	136-1		HSDCU	17	122300 P007	022	1S	1S
004	SPIRE PSW Ch37-40 . SHD37		SPC.S -		S136	TS2CC-28	37	136-1	CS-S136-1	HSDCU	17	122300 P007	038	1S	1S
-															
021	SPIRE PSW Ch37-40 . 38+		SPC.S -		S136	TS2CC-28	38	136-2		HSDCU	17	122300 P007	006	1S	1S
020	SPIRE PSW Ch37-40 . 38-		SPC.S -		S136	TS2CC-28	38	136-2		HSDCU	17	122300 P007	023	1S	1S
004	SPIRE PSW Ch37-40 . SHD38		SPC.S -		S136	TS2CC-28	38	136-2	CS-S136-2	HSDCU	17	122300 P007	039	1S	1S
-															
031	SPIRE PSW Ch37-40 . 39+		SPC.S -		S136	TS2CC-28	39	136-3		HSDCU	17	122300 P007	007	1S	1S
043	SPIRE PSW Ch37-40 . 39-		SPC.S -		S136	TS2CC-28	39	136-3		HSDCU	17	122300 P007	024	1S	1S
004	SPIRE PSW Ch37-40 . SHD39		SPC.S -		S136	TS2CC-28	39	136-3	CS-S136-3	HSDCU	17	122300 P007	040	1S	1S
-															
042	SPIRE PSW Ch37-40 . 40+		SPC.S -		S136	TS2CC-28	40	136-4		HSDCU	17	122300 P007	008	1S	1S
054	SPIRE PSW Ch37-40 . 40-		SPC.S -		S136	TS2CC-28	40	136-4		HSDCU	17	122300 P007	025	1S	1S
004	SPIRE PSW Ch37-40 . SHD40		SPC.S -		S136	TS2CC-28	40	136-4	CS-S136-4	HSDCU	17	122300 P007	041	1S	1S
-															
010	SPIRE PSW Ch41-44 . 41+		SPC.S -		S137	TS2CC-28	41	137-1		HSDCU	17	122300 P007	026	1S	1S
011	SPIRE PSW Ch41-44 . 41-		SPC.S -		S137	TS2CC-28	41	137-1		HSDCU	17	122300 P007	010	1S	1S
004	SPIRE PSW Ch41-44 . SHD41		SPC.S -		S137	TS2CC-28	41	137-1	CS-S137-1	HSDCU	17	122300 P007	043	1S	1S
-															
019	SPIRE PSW Ch41-44 . 42+		SPC.S -		S137	TS2CC-28	42	137-2		HSDCU	17	122300 P007	027	1S	1S
029	SPIRE PSW Ch41-44 . 42-		SPC.S -		S137	TS2CC-28	42	137-2		HSDCU	17	122300 P007	011	1S	1S

Pin Allocation List

(Harness)

Connector: 312200 P002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
004	SPIRE PSW Ch41-44 . SHD42		SPC.S -		S137	TS2CC-28	42	137-2	CS-S137-2	HSDCU	17	122300 P007	044	1S	1S	
-																
041	SPIRE PSW Ch41-44 . 43+		SPC.S -		S137	TS2CC-28	43	137-3		HSDCU	17	122300 P007	028	1S	1S	
030	SPIRE PSW Ch41-44 . 43-		SPC.S -		S137	TS2CC-28	43	137-3		HSDCU	17	122300 P007	012	1S	1S	
004	SPIRE PSW Ch41-44 . SHD43		SPC.S -		S137	TS2CC-28	43	137-3	CS-S137-3	HSDCU	17	122300 P007	045	1S	1S	
-																
053	SPIRE PSW Ch41-44 . 44+		SPC.S -		S137	TS2CC-28	44	137-4		HSDCU	17	122300 P007	029	1S	1S	
052	SPIRE PSW Ch41-44 . 44-		SPC.S -		S137	TS2CC-28	44	137-4		HSDCU	17	122300 P007	013	1S	1S	
004	SPIRE PSW Ch41-44 . SHD44		SPC.S -		S137	TS2CC-28	44	137-4	CS-S137-4	HSDCU	17	122300 P007	046	1S	1S	
-																
009	SPIRE PSW Ch45-48 . 45+		SPC.S -		S138	TS2CC-28	45	138-1		HSDCU	17	122300 P007	030	1S	1S	
017	SPIRE PSW Ch45-48 . 45-		SPC.S -		S138	TS2CC-28	45	138-1		HSDCU	17	122300 P007	014	1S	1S	
004	SPIRE PSW Ch45-48 . SHD45		SPC.S -		S138	TS2CC-28	45	138-1	CS-S138-1	HSDCU	17	122300 P007	047	1S	1S	
-																
018	SPIRE PSW Ch45-48 . 46+		SPC.S -		S138	TS2CC-28	46	138-2		HSDCU	17	122300 P007	031	1S	1S	
028	SPIRE PSW Ch45-48 . 46-		SPC.S -		S138	TS2CC-28	46	138-2		HSDCU	17	122300 P007	015	1S	1S	
004	SPIRE PSW Ch45-48 . SHD46		SPC.S -		S138	TS2CC-28	46	138-2	CS-S138-2	HSDCU	17	122300 P007	048	1S	1S	
-																
016	SPIRE PSW Ch45-48 . 47+		SPC.S -		S138	TS2CC-28	47	138-3		HSDCU	17	122300 P007	032	1S	1S	
027	SPIRE PSW Ch45-48 . 47-		SPC.S -		S138	TS2CC-28	47	138-3		HSDCU	17	122300 P007	016	1S	1S	
004	SPIRE PSW Ch45-48 . SHD47		SPC.S -		S138	TS2CC-28	47	138-3	CS-S138-3	HSDCU	17	122300 P007	049	1S	1S	
-																
040	SPIRE PSW Ch45-48 . 48+		SPC.S -		S138	TS2CC-28	48	138-4		HSDCU	17	122300 P007	033	1S	1S	
039	SPIRE PSW Ch45-48 . 48-		SPC.S -		S138	TS2CC-28	48	138-4		HSDCU	17	122300 P007	017	1S	1S	
004	SPIRE PSW Ch45-48 . SHD48		SPC.S -		S138	TS2CC-28	48	138-4	CS-S138-4	HSDCU	17	122300 P007	050	1S	1S	
-																
004	SPIRE PLW B09 GND WIRE A4		SPX.S -		S494	T01C0-26				HSDCU	17	122300 P007	009	1S	1S	
-																
047	Interconnection Star Pin		-						star pin for shield interconnection					1S		
004	to be con to pin 047													1S		
036	to be con to pin 047													1S		
128	to be con to pin 047													1S		
-																
001	to be con as part of FCR								Faraday Cage Ring (FCR)					1S		

Pin Allocation List

(Harness)

Connector: 312200 P002**Function / Bundle:** SPIRE SVM CB2 SIH-XS-09**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
002	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
003	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
005	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
006	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
007	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
008	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
014	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
015	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
024	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
025	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
035	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
082	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
093	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
094	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
104	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
105	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
114	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
115	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
121	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
122	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
123	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
124	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
125	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
126	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
127	to be con as part of FCR								Faraday Cage Ring (FCR)						1S
-															1S
FCR	to be con to Inner Overall Shield (IOS)								Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S
-															1S
-	2 pins are NC								The following Pins are NC :						1S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
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Connector: 312200 P002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-	-									;064 ;065					

Pin Allocation List (Harness)

Connector: 122300 P007
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW Ch33-36 . 33+		SPC.S -		S133	TS2CC-28	33	133-1		HSSVMCB2	27	312200 P002	023	1S	1S
018	SPIRE PSW Ch33-36 . 33-		SPC.S -		S133	TS2CC-28	33	133-1		HSSVMCB2	27	312200 P002	034	1S	1S
034	SPIRE PSW Ch33-36 . SHD33		SPC.S -		S133	TS2CC-28	33	133-1	CS-S133-1	HSSVMCB2	27	312200 P002	004	1S	1S
-															
002	SPIRE PSW Ch33-36 . 34+		SPC.S -		S133	TS2CC-28	34	133-2		HSSVMCB2	27	312200 P002	033	1S	1S
019	SPIRE PSW Ch33-36 . 34-		SPC.S -		S133	TS2CC-28	34	133-2		HSSVMCB2	27	312200 P002	045	1S	1S
035	SPIRE PSW Ch33-36 . SHD34		SPC.S -		S133	TS2CC-28	34	133-2	CS-S133-2	HSSVMCB2	27	312200 P002	004	1S	1S
-															
003	SPIRE PSW Ch33-36 . 35+		SPC.S -		S133	TS2CC-28	35	133-3		HSSVMCB2	27	312200 P002	044	1S	1S
020	SPIRE PSW Ch33-36 . 35-		SPC.S -		S133	TS2CC-28	35	133-3		HSSVMCB2	27	312200 P002	056	1S	1S
036	SPIRE PSW Ch33-36 . SHD35		SPC.S -		S133	TS2CC-28	35	133-3	CS-S133-3	HSSVMCB2	27	312200 P002	004	1S	1S
-															
004	SPIRE PSW Ch33-36 . 36+		SPC.S -		S133	TS2CC-28	36	133-4		HSSVMCB2	27	312200 P002	022	1S	1S
021	SPIRE PSW Ch33-36 . 36-		SPC.S -		S133	TS2CC-28	36	133-4		HSSVMCB2	27	312200 P002	032	1S	1S
037	SPIRE PSW Ch33-36 . SHD36		SPC.S -		S133	TS2CC-28	36	133-4	CS-S133-4	HSSVMCB2	27	312200 P002	004	1S	1S
-															
005	SPIRE PSW Ch37-40 . 37+		SPC.S -		S136	TS2CC-28	37	136-1		HSSVMCB2	27	312200 P002	013	1S	1S
022	SPIRE PSW Ch37-40 . 37-		SPC.S -		S136	TS2CC-28	37	136-1		HSSVMCB2	27	312200 P002	012	1S	1S
038	SPIRE PSW Ch37-40 . SHD37		SPC.S -		S136	TS2CC-28	37	136-1	CS-S136-1	HSSVMCB2	27	312200 P002	004	1S	1S
-															
006	SPIRE PSW Ch37-40 . 38+		SPC.S -		S136	TS2CC-28	38	136-2		HSSVMCB2	27	312200 P002	021	1S	1S
023	SPIRE PSW Ch37-40 . 38-		SPC.S -		S136	TS2CC-28	38	136-2		HSSVMCB2	27	312200 P002	020	1S	1S
039	SPIRE PSW Ch37-40 . SHD38		SPC.S -		S136	TS2CC-28	38	136-2	CS-S136-2	HSSVMCB2	27	312200 P002	004	1S	1S
-															
007	SPIRE PSW Ch37-40 . 39+		SPC.S -		S136	TS2CC-28	39	136-3		HSSVMCB2	27	312200 P002	031	1S	1S
024	SPIRE PSW Ch37-40 . 39-		SPC.S -		S136	TS2CC-28	39	136-3		HSSVMCB2	27	312200 P002	043	1S	1S
040	SPIRE PSW Ch37-40 . SHD39		SPC.S -		S136	TS2CC-28	39	136-3	CS-S136-3	HSSVMCB2	27	312200 P002	004	1S	1S
-															
008	SPIRE PSW Ch37-40 . 40+		SPC.S -		S136	TS2CC-28	40	136-4		HSSVMCB2	27	312200 P002	042	1S	1S
025	SPIRE PSW Ch37-40 . 40-		SPC.S -		S136	TS2CC-28	40	136-4		HSSVMCB2	27	312200 P002	054	1S	1S
041	SPIRE PSW Ch37-40 . SHD40		SPC.S -		S136	TS2CC-28	40	136-4	CS-S136-4	HSSVMCB2	27	312200 P002	004	1S	1S
-															
026	SPIRE PSW Ch41-44 . 41+		SPC.S -		S137	TS2CC-28	41	137-1		HSSVMCB2	27	312200 P002	010	1S	1S
010	SPIRE PSW Ch41-44 . 41-		SPC.S -		S137	TS2CC-28	41	137-1		HSSVMCB2	27	312200 P002	011	1S	1S

Pin Allocation List

(Harness)

Connector: 122300 P007
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW Ch41-44 . SHD41		SPC.S -		S137	TS2CC-28	41	137-1	CS-S137-1	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
027	SPIRE PSW Ch41-44 . 42+		SPC.S -		S137	TS2CC-28	42	137-2		HSSVMCB2	27	312200 P002	019	1S	1S	
011	SPIRE PSW Ch41-44 . 42-		SPC.S -		S137	TS2CC-28	42	137-2		HSSVMCB2	27	312200 P002	029	1S	1S	
044	SPIRE PSW Ch41-44 . SHD42		SPC.S -		S137	TS2CC-28	42	137-2	CS-S137-2	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
028	SPIRE PSW Ch41-44 . 43+		SPC.S -		S137	TS2CC-28	43	137-3		HSSVMCB2	27	312200 P002	041	1S	1S	
012	SPIRE PSW Ch41-44 . 43-		SPC.S -		S137	TS2CC-28	43	137-3		HSSVMCB2	27	312200 P002	030	1S	1S	
045	SPIRE PSW Ch41-44 . SHD43		SPC.S -		S137	TS2CC-28	43	137-3	CS-S137-3	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
029	SPIRE PSW Ch41-44 . 44+		SPC.S -		S137	TS2CC-28	44	137-4		HSSVMCB2	27	312200 P002	053	1S	1S	
013	SPIRE PSW Ch41-44 . 44-		SPC.S -		S137	TS2CC-28	44	137-4		HSSVMCB2	27	312200 P002	052	1S	1S	
046	SPIRE PSW Ch41-44 . SHD44		SPC.S -		S137	TS2CC-28	44	137-4	CS-S137-4	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
030	SPIRE PSW Ch45-48 . 45+		SPC.S -		S138	TS2CC-28	45	138-1		HSSVMCB2	27	312200 P002	009	1S	1S	
014	SPIRE PSW Ch45-48 . 45-		SPC.S -		S138	TS2CC-28	45	138-1		HSSVMCB2	27	312200 P002	017	1S	1S	
047	SPIRE PSW Ch45-48 . SHD45		SPC.S -		S138	TS2CC-28	45	138-1	CS-S138-1	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
031	SPIRE PSW Ch45-48 . 46+		SPC.S -		S138	TS2CC-28	46	138-2		HSSVMCB2	27	312200 P002	018	1S	1S	
015	SPIRE PSW Ch45-48 . 46-		SPC.S -		S138	TS2CC-28	46	138-2		HSSVMCB2	27	312200 P002	028	1S	1S	
048	SPIRE PSW Ch45-48 . SHD46		SPC.S -		S138	TS2CC-28	46	138-2	CS-S138-2	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
032	SPIRE PSW Ch45-48 . 47+		SPC.S -		S138	TS2CC-28	47	138-3		HSSVMCB2	27	312200 P002	016	1S	1S	
016	SPIRE PSW Ch45-48 . 47-		SPC.S -		S138	TS2CC-28	47	138-3		HSSVMCB2	27	312200 P002	027	1S	1S	
049	SPIRE PSW Ch45-48 . SHD47		SPC.S -		S138	TS2CC-28	47	138-3	CS-S138-3	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
033	SPIRE PSW Ch45-48 . 48+		SPC.S -		S138	TS2CC-28	48	138-4		HSSVMCB2	27	312200 P002	040	1S	1S	
017	SPIRE PSW Ch45-48 . 48-		SPC.S -		S138	TS2CC-28	48	138-4		HSSVMCB2	27	312200 P002	039	1S	1S	
050	SPIRE PSW Ch45-48 . SHD48		SPC.S -		S138	TS2CC-28	48	138-4	CS-S138-4	HSSVMCB2	27	312200 P002	004	1S	1S	
-																
009	SPIRE PLW B09 GND WIRE A4		SPX.S -		S494	T01C0-26				HSSVMCB2	27	312200 P002	004	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P007
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122300 P006
Item: HSDCU

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW Ch17-20 . 17+		SPC.S -		S128	TS2CC-28	17	128-1			HSSVMCB2	27	312200 P002	055	1S 1S
018	SPIRE PSW Ch17-20 . 17-		SPC.S -		S128	TS2CC-28	17	128-1			HSSVMCB2	27	312200 P002	066	1S 1S
034	SPIRE PSW Ch17-20 . SHD17		SPC.S -		S128	TS2CC-28	17	128-1	CS-S128-1		HSSVMCB2	27	312200 P002	128	1S 1S
-															
002	SPIRE PSW Ch17-20 . 18+		SPC.S -		S128	TS2CC-28	18	128-2			HSSVMCB2	27	312200 P002	067	1S 1S
019	SPIRE PSW Ch17-20 . 18-		SPC.S -		S128	TS2CC-28	18	128-2			HSSVMCB2	27	312200 P002	078	1S 1S
035	SPIRE PSW Ch17-20 . SHD18		SPC.S -		S128	TS2CC-28	18	128-2	CS-S128-2		HSSVMCB2	27	312200 P002	128	1S 1S
-															
003	SPIRE PSW Ch17-20 . 19+		SPC.S -		S128	TS2CC-28	19	128-3			HSSVMCB2	27	312200 P002	076	1S 1S
020	SPIRE PSW Ch17-20 . 19-		SPC.S -		S128	TS2CC-28	19	128-3			HSSVMCB2	27	312200 P002	077	1S 1S
036	SPIRE PSW Ch17-20 . SHD19		SPC.S -		S128	TS2CC-28	19	128-3	CS-S128-3		HSSVMCB2	27	312200 P002	128	1S 1S
-															
004	SPIRE PSW Ch17-20 . 20+		SPC.S -		S128	TS2CC-28	20	128-4			HSSVMCB2	27	312200 P002	088	1S 1S
021	SPIRE PSW Ch17-20 . 20-		SPC.S -		S128	TS2CC-28	20	128-4			HSSVMCB2	27	312200 P002	089	1S 1S
037	SPIRE PSW Ch17-20 . SHD20		SPC.S -		S128	TS2CC-28	20	128-4	CS-S128-4		HSSVMCB2	27	312200 P002	128	1S 1S
-															
005	SPIRE PSW Ch21-24 . 21+		SPC.S -		S129	TS2CC-28	21	129-1			HSSVMCB2	27	312200 P002	099	1S 1S
022	SPIRE PSW Ch21-24 . 21-		SPC.S -		S129	TS2CC-28	21	129-1			HSSVMCB2	27	312200 P002	100	1S 1S
038	SPIRE PSW Ch21-24 . SHD21		SPC.S -		S129	TS2CC-28	21	129-1	CS-S129-1		HSSVMCB2	27	312200 P002	128	1S 1S
-															
006	SPIRE PSW Ch21-24 . 22+		SPC.S -		S129	TS2CC-28	22	129-2			HSSVMCB2	27	312200 P002	110	1S 1S
023	SPIRE PSW Ch21-24 . 22-		SPC.S -		S129	TS2CC-28	22	129-2			HSSVMCB2	27	312200 P002	111	1S 1S
039	SPIRE PSW Ch21-24 . SHD22		SPC.S -		S129	TS2CC-28	22	129-2	CS-S129-2		HSSVMCB2	27	312200 P002	128	1S 1S
-															
007	SPIRE PSW Ch21-24 . 23+		SPC.S -		S129	TS2CC-28	23	129-3			HSSVMCB2	27	312200 P002	118	1S 1S
024	SPIRE PSW Ch21-24 . 23-		SPC.S -		S129	TS2CC-28	23	129-3			HSSVMCB2	27	312200 P002	119	1S 1S
040	SPIRE PSW Ch21-24 . SHD23		SPC.S -		S129	TS2CC-28	23	129-3	CS-S129-3		HSSVMCB2	27	312200 P002	128	1S 1S
-															
008	SPIRE PSW Ch21-24 . 24+		SPC.S -		S129	TS2CC-28	24	129-4			HSSVMCB2	27	312200 P002	112	1S 1S
025	SPIRE PSW Ch21-24 . 24-		SPC.S -		S129	TS2CC-28	24	129-4			HSSVMCB2	27	312200 P002	120	1S 1S
041	SPIRE PSW Ch21-24 . SHD24		SPC.S -		S129	TS2CC-28	24	129-4	CS-S129-4		HSSVMCB2	27	312200 P002	128	1S 1S
-															
026	SPIRE PSW Ch25-28 . 25+		SPC.S -		S131	TS2CC-28	25	131-1			HSSVMCB2	27	312200 P002	090	1S 1S
010	SPIRE PSW Ch25-28 . 25-		SPC.S -		S131	TS2CC-28	25	131-1			HSSVMCB2	27	312200 P002	079	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P006

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW Ch25-28 . SHD25		SPC.S -		S131	TS2CC-28	25	131-1	CS-S131-1	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
027	SPIRE PSW Ch25-28 . 26+		SPC.S -		S131	TS2CC-28	26	131-2		HSSVMCB2	27	312200 P002	102	1S	1S	
011	SPIRE PSW Ch25-28 . 26-		SPC.S -		S131	TS2CC-28	26	131-2		HSSVMCB2	27	312200 P002	101	1S	1S	
044	SPIRE PSW Ch25-28 . SHD26		SPC.S -		S131	TS2CC-28	26	131-2	CS-S131-2	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
028	SPIRE PSW Ch25-28 . 27+		SPC.S -		S131	TS2CC-28	27	131-3		HSSVMCB2	27	312200 P002	092	1S	1S	
012	SPIRE PSW Ch25-28 . 27-		SPC.S -		S131	TS2CC-28	27	131-3		HSSVMCB2	27	312200 P002	091	1S	1S	
045	SPIRE PSW Ch25-28 . SHD27		SPC.S -		S131	TS2CC-28	27	131-3	CS-S131-3	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
029	SPIRE PSW Ch25-28 . 28+		SPC.S -		S131	TS2CC-28	28	131-4		HSSVMCB2	27	312200 P002	103	1S	1S	
013	SPIRE PSW Ch25-28 . 28-		SPC.S -		S131	TS2CC-28	28	131-4		HSSVMCB2	27	312200 P002	113	1S	1S	
046	SPIRE PSW Ch25-28 . SHD28		SPC.S -		S131	TS2CC-28	28	131-4	CS-S131-4	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
030	SPIRE PSW Ch29-32 . 29+		SPC.S -		S132	TS2CC-28	29	132-1		HSSVMCB2	27	312200 P002	058	1S	1S	
014	SPIRE PSW Ch29-32 . 29-		SPC.S -		S132	TS2CC-28	29	132-1		HSSVMCB2	27	312200 P002	046	1S	1S	
047	SPIRE PSW Ch29-32 . SHD29		SPC.S -		S132	TS2CC-28	29	132-1	CS-S132-1	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
031	SPIRE PSW Ch29-32 . 30+		SPC.S -		S132	TS2CC-28	30	132-2		HSSVMCB2	27	312200 P002	068	1S	1S	
015	SPIRE PSW Ch29-32 . 30-		SPC.S -		S132	TS2CC-28	30	132-2		HSSVMCB2	27	312200 P002	057	1S	1S	
048	SPIRE PSW Ch29-32 . SHD30		SPC.S -		S132	TS2CC-28	30	132-2	CS-S132-2	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
032	SPIRE PSW Ch29-32 . 31+		SPC.S -		S132	TS2CC-28	31	132-3		HSSVMCB2	27	312200 P002	069	1S	1S	
016	SPIRE PSW Ch29-32 . 31-		SPC.S -		S132	TS2CC-28	31	132-3		HSSVMCB2	27	312200 P002	080	1S	1S	
049	SPIRE PSW Ch29-32 . SHD31		SPC.S -		S132	TS2CC-28	31	132-3	CS-S132-3	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
033	SPIRE PSW Ch29-32 . 32+		SPC.S -		S132	TS2CC-28	32	132-4		HSSVMCB2	27	312200 P002	070	1S	1S	
017	SPIRE PSW Ch29-32 . 32-		SPC.S -		S132	TS2CC-28	32	132-4		HSSVMCB2	27	312200 P002	081	1S	1S	
050	SPIRE PSW Ch29-32 . SHD32		SPC.S -		S132	TS2CC-28	32	132-4	CS-S132-4	HSSVMCB2	27	312200 P002	128	1S	1S	
-																
009	SPIRE PLW B09 GND WIRE A2		SPX.S -		S492	T01C0-26				HSSVMCB2	27	312200 P002	128	1S	1S	
-																

Pin Allocation List (Harness)

Connector: 122300 P006
Item: HSDCU

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List
(Harness)**Connector:** 122300 P005**Function / Bundle:** DCU JFP PSW SIH-XS-09**Conn.-Type:** DDMA-50S-NMB-FO**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE PSW Ch01-04 . 1+		SPC.S -		S122	TS2CC-28	1	122-1			HSSVMCB2	27	312200 P002	026	1S 1S
018	SPIRE PSW Ch01-04 . 1-		SPC.S -		S122	TS2CC-28	1	122-1			HSSVMCB2	27	312200 P002	037	1S 1S
034	SPIRE PSW Ch01-04 . SHD01		SPC.S -		S122	TS2CC-28	1	122-1	CS-S122-1		HSSVMCB2	27	312200 P002	036	1S 1S
-															
002	SPIRE PSW Ch01-04 . 2+		SPC.S -		S122	TS2CC-28	2	122-2			HSSVMCB2	27	312200 P002	038	1S 1S
019	SPIRE PSW Ch01-04 . 2-		SPC.S -		S122	TS2CC-28	2	122-2			HSSVMCB2	27	312200 P002	049	1S 1S
035	SPIRE PSW Ch01-04 . SHD02		SPC.S -		S122	TS2CC-28	2	122-2	CS-S122-2		HSSVMCB2	27	312200 P002	036	1S 1S
-															
003	SPIRE PSW Ch01-04 . 3+		SPC.S -		S122	TS2CC-28	3	122-3			HSSVMCB2	27	312200 P002	048	1S 1S
020	SPIRE PSW Ch01-04 . 3-		SPC.S -		S122	TS2CC-28	3	122-3			HSSVMCB2	27	312200 P002	060	1S 1S
036	SPIRE PSW Ch01-04 . SHD03		SPC.S -		S122	TS2CC-28	3	122-3	CS-S122-3		HSSVMCB2	27	312200 P002	036	1S 1S
-															
004	SPIRE PSW Ch01-04 . 4+		SPC.S -		S122	TS2CC-28	4	122-4			HSSVMCB2	27	312200 P002	059	1S 1S
021	SPIRE PSW Ch01-04 . 4-		SPC.S -		S122	TS2CC-28	4	122-4			HSSVMCB2	27	312200 P002	071	1S 1S
037	SPIRE PSW Ch01-04 . SHD04		SPC.S -		S122	TS2CC-28	4	122-4	CS-S122-4		HSSVMCB2	27	312200 P002	036	1S 1S
-															
005	SPIRE PSW Ch05-08 . 5+		SPC.S -		S123	TS2CC-28	5	123-1			HSSVMCB2	27	312200 P002	050	1S 1S
022	SPIRE PSW Ch05-08 . 5-		SPC.S -		S123	TS2CC-28	5	123-1			HSSVMCB2	27	312200 P002	061	1S 1S
038	SPIRE PSW Ch05-08 . SHD05		SPC.S -		S123	TS2CC-28	5	123-1	CS-S123-1		HSSVMCB2	27	312200 P002	036	1S 1S
-															
006	SPIRE PSW Ch05-08 . 6+		SPC.S -		S123	TS2CC-28	6	123-2			HSSVMCB2	27	312200 P002	062	1S 1S
023	SPIRE PSW Ch05-08 . 6-		SPC.S -		S123	TS2CC-28	6	123-2			HSSVMCB2	27	312200 P002	051	1S 1S
039	SPIRE PSW Ch05-08 . SHD06		SPC.S -		S123	TS2CC-28	6	123-2	CS-S123-2		HSSVMCB2	27	312200 P002	036	1S 1S
-															
007	SPIRE PSW Ch05-08 . 7+		SPC.S -		S123	TS2CC-28	7	123-3			HSSVMCB2	27	312200 P002	063	1S 1S
024	SPIRE PSW Ch05-08 . 7-		SPC.S -		S123	TS2CC-28	7	123-3			HSSVMCB2	27	312200 P002	075	1S 1S
040	SPIRE PSW Ch05-08 . SHD07		SPC.S -		S123	TS2CC-28	7	123-3	CS-S123-3		HSSVMCB2	27	312200 P002	036	1S 1S
-															
008	SPIRE PSW Ch05-08 . 8+		SPC.S -		S123	TS2CC-28	8	123-4			HSSVMCB2	27	312200 P002	074	1S 1S
025	SPIRE PSW Ch05-08 . 8-		SPC.S -		S123	TS2CC-28	8	123-4			HSSVMCB2	27	312200 P002	073	1S 1S
041	SPIRE PSW Ch05-08 . SHD08		SPC.S -		S123	TS2CC-28	8	123-4	CS-S123-4		HSSVMCB2	27	312200 P002	036	1S 1S
-															
026	SPIRE PSW Ch09-12 . 9+		SPC.S -		S124	TS2CC-28	9	124-1			HSSVMCB2	27	312200 P002	083	1S 1S
010	SPIRE PSW Ch09-12 . 9-		SPC.S -		S124	TS2CC-28	9	124-1			HSSVMCB2	27	312200 P002	072	1S 1S

Pin Allocation List

(Harness)

Connector: 122300 P005

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE PSW Ch09-12 . SHD09		SPC.S -		S124	TS2CC-28	9	124-1		CS-S124-1	HSSVMCB2	27	312200 P002	036	1S	1S
-																
027	SPIRE PSW Ch09-12 . 10+		SPC.S -		S124	TS2CC-28	10	124-2			HSSVMCB2	27	312200 P002	095	1S	1S
011	SPIRE PSW Ch09-12 . 10-		SPC.S -		S124	TS2CC-28	10	124-2			HSSVMCB2	27	312200 P002	084	1S	1S
044	SPIRE PSW Ch09-12 . SHD10		SPC.S -		S124	TS2CC-28	10	124-2		CS-S124-2	HSSVMCB2	27	312200 P002	036	1S	1S
-																
028	SPIRE PSW Ch09-12 . 11+		SPC.S -		S124	TS2CC-28	11	124-3			HSSVMCB2	27	312200 P002	096	1S	1S
012	SPIRE PSW Ch09-12 . 11-		SPC.S -		S124	TS2CC-28	11	124-3			HSSVMCB2	27	312200 P002	085	1S	1S
045	SPIRE PSW Ch09-12 . SHD11		SPC.S -		S124	TS2CC-28	11	124-3		CS-S124-3	HSSVMCB2	27	312200 P002	036	1S	1S
-																
029	SPIRE PSW Ch09-12 . 12+		SPC.S -		S124	TS2CC-28	12	124-4			HSSVMCB2	27	312200 P002	106	1S	1S
013	SPIRE PSW Ch09-12 . 12-		SPC.S -		S124	TS2CC-28	12	124-4			HSSVMCB2	27	312200 P002	107	1S	1S
046	SPIRE PSW Ch09-12 . SHD12		SPC.S -		S124	TS2CC-28	12	124-4		CS-S124-4	HSSVMCB2	27	312200 P002	036	1S	1S
-																
030	SPIRE PSW Ch13-16 . 13+		SPC.S -		S127	TS2CC-28	13	127-1			HSSVMCB2	27	312200 P002	086	1S	1S
014	SPIRE PSW Ch13-16 . 13-		SPC.S -		S127	TS2CC-28	13	127-1			HSSVMCB2	27	312200 P002	087	1S	1S
047	SPIRE PSW Ch13-16 . SHD13		SPC.S -		S127	TS2CC-28	13	127-1		CS-S127-1	HSSVMCB2	27	312200 P002	036	1S	1S
-																
031	SPIRE PSW Ch13-16 . 14+		SPC.S -		S127	TS2CC-28	14	127-2			HSSVMCB2	27	312200 P002	097	1S	1S
015	SPIRE PSW Ch13-16 . 14-		SPC.S -		S127	TS2CC-28	14	127-2			HSSVMCB2	27	312200 P002	098	1S	1S
048	SPIRE PSW Ch13-16 . SHD14		SPC.S -		S127	TS2CC-28	14	127-2		CS-S127-2	HSSVMCB2	27	312200 P002	036	1S	1S
-																
032	SPIRE PSW Ch13-16 . 15+		SPC.S -		S127	TS2CC-28	15	127-3			HSSVMCB2	27	312200 P002	108	1S	1S
016	SPIRE PSW Ch13-16 . 15-		SPC.S -		S127	TS2CC-28	15	127-3			HSSVMCB2	27	312200 P002	109	1S	1S
049	SPIRE PSW Ch13-16 . SHD15		SPC.S -		S127	TS2CC-28	15	127-3		CS-S127-3	HSSVMCB2	27	312200 P002	036	1S	1S
-																
033	SPIRE PSW Ch13-16 . 16+		SPC.S -		S127	TS2CC-28	16	127-4			HSSVMCB2	27	312200 P002	116	1S	1S
017	SPIRE PSW Ch13-16 . 16-		SPC.S -		S127	TS2CC-28	16	127-4			HSSVMCB2	27	312200 P002	117	1S	1S
050	SPIRE PSW Ch13-16 . SHD16		SPC.S -		S127	TS2CC-28	16	127-4		CS-S127-4	HSSVMCB2	27	312200 P002	036	1S	1S
-																
009	SPIRE PLW B09 GND WIRE A1		SPX.S -		S491	T01C0-26					HSSVMCB2	27	312200 P002	036	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122300 P005
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: DDMA-50S-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail ton CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;042					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312300 P006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
006	SPIRE SorptPumpHtr(N) . I+A		S3F.S -		S239	T04C0-28					HSFCU	17	122200 P011	001	1S
013	SPIRE SorptPumpHtr(N) . I+B		S3F.S -		S239	T04C0-28					HSFCU	17	122200 P011	002	
005	SPIRE SorptPumpHtr(N) . I-A		S3F.S -		S239	T04C0-28					HSFCU	17	122200 P011	014	
012	SPIRE SorptPumpHtr(N) . I-B		S3F.S -		S239	T04C0-28					HSFCU	17	122200 P011	015	
-															
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.S -		S240	T04C0-28					HSFCU	17	122200 P011	003	1S
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.S -		S240	T04C0-28					HSFCU	17	122200 P011	004	
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.S -		S240	T04C0-28					HSFCU	17	122200 P011	016	
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.S -		S240	T04C0-28					HSFCU	17	122200 P011	017	
-															
055	SPIRE EvaporSwHtr(N) . I+A		S3F.S -		S241	T04C0-28					HSFCU	17	122200 P011	005	1S
056	SPIRE EvaporSwHtr(N) . I+B		S3F.S -		S241	T04C0-28					HSFCU	17	122200 P011	006	
043	SPIRE EvaporSwHtr(N) . I-A		S3F.S -		S241	T04C0-28					HSFCU	17	122200 P011	018	
044	SPIRE EvaporSwHtr(N) . I-B		S3F.S -		S241	T04C0-28					HSFCU	17	122200 P011	019	
-															
035	SPIRE Spectr4%Heater (N) . I+A		SCB.S -		S245	T04C0-28					HSFCU	17	122200 P011	007	1S
024	SPIRE Spectr4%Heater (N) . I+B		SCB.S -		S245	T04C0-28					HSFCU	17	122200 P011	008	
034	SPIRE Spectr4%Heater (N) . I-A		SCB.S -		S245	T04C0-28					HSFCU	17	122200 P011	020	
023	SPIRE Spectr4%Heater (N) . I-B		SCB.S -		S245	T04C0-28					HSFCU	17	122200 P011	021	
-															
046	SPIRE Spectr2%Heater (N) . I+A		SCB.S -		S246	T04C0-28					HSFCU	17	122200 P011	009	1S
058	SPIRE Spectr2%Heater (N) . I+B		SCB.S -		S246	T04C0-28					HSFCU	17	122200 P011	010	
045	SPIRE Spectr2%Heater (N) . I-A		SCB.S -		S246	T04C0-28					HSFCU	17	122200 P011	022	
057	SPIRE Spectr2%Heater (N) . I-B		SCB.S -		S246	T04C0-28					HSFCU	17	122200 P011	023	
-															
079	SPIRE PTC Htr(N) . I+A		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	011	1S 1S
078	SPIRE PTC Htr(N) . I+B		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	012	1S 1S
068	SPIRE PTC Htr(N) . I-A		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	024	1S 1S
067	SPIRE PTC Htr(N) . I-B		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	025	1S 1S
090	SPIRE PTC Htr(N) . SHD01		STB.S -		S259	TS4CC-28	1		CS-S259		HSFCU	17	122200 P011	013	1S 1S
-															
077	SPIRE EvaporatorTemp(N) . I+		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	001	1S
076	SPIRE EvaporatorTemp(N) . I-		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	002	1S 1S
066	SPIRE EvaporatorTemp(N) . V+		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	018	1S

Pin Allocation List (Harness)

Connector: 312300 P006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
065	SPIRE EvaporatorTemp(N) . V-		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	035	1S
054	SPIRE EvaporatorTemp(N) . SHD02		S3E.S -		S235	TS4CC-28	2		CS-S235		HSFCU	17	122200 P023	034	1S 1S
-															
029	SPIRE SorptPumpTemp(N) . I+		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	003	1S 1S
030	SPIRE SorptPumpTemp(N) . I-		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	019	1S 1S
041	SPIRE SorptPumpTemp(N) . V+		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	020	1S 1S
042	SPIRE SorptPumpTemp(N) . V-		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	036	1S 1S
031	SPIRE SorptPumpTemp(N) . SHD03		S3E.S -		S234	TS4CC-28	3		CS-S234		HSFCU	17	122200 P023	038	1S 1S
-															
053	SPIRE SorptPumpSwTemp(N) . I+		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	004	1S 1S
052	SPIRE SorptPumpSwTemp(N) . I-		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	005	1S 1S
064	SPIRE SorptPumpSwTemp(N) . V+		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	021	1S 1S
063	SPIRE SorptPumpSwTemp(N) . V-		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	037	1S 1S
075	SPIRE SorptPumpSwTemp(N) . SHD04		S3E.S -		S236	TS4CC-28	4		CS-S236		HSFCU	17	122200 P023	038	1S 1S
-															
050	SPIRE EvaporSwTemp(N) . I+		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	006	1S 1S
061	SPIRE EvaporSwTemp(N) . I-		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	022	1S 1S
062	SPIRE EvaporSwTemp(N) . V+		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	023	1S 1S
051	SPIRE EvaporSwTemp(N) . V-		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	039	1S 1S
039	SPIRE EvaporSwTemp(N) . SHD05		S3E.S -		S237	TS4CC-28	5		CS-S237		HSFCU	17	122200 P023	038	1S 1S
-															
011	SPIRE ThermShuntTemp(N) . I+A		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	007	1S 1S
010	SPIRE ThermShuntTemp(N) . I-B		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	008	1S 1S
019	SPIRE ThermShuntTemp(N) . V+B		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	024	1S 1S
018	SPIRE ThermShuntTemp(N) . V-A		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	040	1S 1S
020	SPIRE ThermShuntTemp(N) . SHD06		S3E.S -		S238	TS4CC-28	6		CS-S238		HSFCU	17	122200 P023	038	1S 1S
-															
089	SPIRE FilterTemp(N) . I+		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	009	1S 1S
088	SPIRE FilterTemp(N) . I-		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	025	1S 1S
100	SPIRE FilterTemp(N) . V+		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	026	1S 1S
099	SPIRE FilterTemp(N) . V-		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	042	1S 1S
101	SPIRE FilterTemp(N) . SHD07		STA.S -		S253	TS4CC-28	7		CS-S253		HSFCU	17	122200 P023	043	1S 1S
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	010	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
119	SPIRE SpectDetBoxTemp(N) . I-		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	011	1S 1S
125	SPIRE SpectDetBoxTemp(N) . V+		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	027	1S 1S
126	SPIRE SpectDetBoxTemp(N) . V-		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	044	1S 1S
110	SPIRE SpectDetBoxTemp(N) . SHD08		STA.S -		S254	TS4CC-28	8		CS-S254		HSFCU	17	122200 P023	043	1S 1S
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	012	1S 1S
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	028	1S 1S
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	029	1S 1S
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	045	1S 1S
108	SPIRE PhotomDetBoxTmp(N) . SHD09		STA.S -		S255	TS4CC-28	9		CS-S255		HSFCU	17	122200 P023	046	1S 1S
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	013	1S 1S
115	SPIRE OptSubbenchTmp(N) . I-		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	014	1S 1S
107	SPIRE OptSubbenchTmp(N) . V+		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	030	1S 1S
122	SPIRE OptSubbenchTmp(N) . V-		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	047	1S 1S
105	SPIRE OptSubbenchTmp(N) . SHD10		STA.S -		S256	TS4CC-28	10		CS-S256		HSFCU	17	122200 P023	046	1S 1S
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	015	1S 1S
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	031	1S 1S
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	032	1S 1S
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	048	1S 1S
109	SPIRE FPUInpBaffleTmp(N) . SHD11		STA.S -		S257	TS4CC-28	11		CS-S257		HSFCU	17	122200 P023	049	1S 1S
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	016	1S 1S
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	017	1S 1S
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	033	1S 1S
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	050	1S 1S
096	SPIRE BSM/SOB I/FTmp(N) . SHD12		STA.S -		S258	TS4CC-28	12		CS-S258		HSFCU	17	122200 P023	049	1S 1S
-															
114	SPIRE SpStimFlanTemp(N) . I+		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	001	1S 1S
104	SPIRE SpStimFlanTemp(N) . I-		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	009	1S 1S
113	SPIRE SpStimFlanTemp(N) . V+		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	002	1S 1S
103	SPIRE SpStimFlanTemp(N) . V-		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	010	1S 1S
102	SPIRE SpStimFlanTemp(N) . SHD13		SCA.S -		S244	TS4CC-28	13		CS-S244		HSFCU	17	122200 P025	003	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
111	SPIRE Spectr4%Temp (N) . I+		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	004	1S 1S
112	SPIRE Spectr4%Temp (N) . I-		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	011	1S 1S
120	SPIRE Spectr4%Temp (N) . V+		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	005	1S 1S
128	SPIRE Spectr4%Temp (N) . V-		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	012	1S 1S
121	SPIRE Spectr4%Temp (N) . SHD14		SCA.S -		S242	TS4CC-28	14			CS-S242	HSFCU	17	122200 P025	013	1S 1S
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	006	1S 1S
080	SPIRE Spectr2%Temp (N) . I-		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	014	1S 1S
092	SPIRE Spectr2%Temp (N) . V+		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	007	1S 1S
081	SPIRE Spectr2%Temp (N) . V-		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	015	1S 1S
093	SPIRE Spectr2%Temp (N) . SHD15		SCA.S -		S243	TS4CC-28	15			CS-S243	HSFCU	17	122200 P025	013	1S 1S
-															
001	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
004	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
036	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
059	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part oof FCR									Faraday Cage Ring (FCR)					1S
-															
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S

Pin Allocation List (Harness)

Connector: 312300 P006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	17 pins are NC									The following Pins are NC :					
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122200 P011
Item: HSFCU

Function / Bundle: FCU Heater SIH-XS-10

Conn.-Type: SCC340100201BDBMA25PNMBFO
Backshell: CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SorptPumpHtr(N) . I+A		S3F.S -		S239	T04C0-28					HSSVMCB3	27	312300 P006	006	1S
002	SPIRE SorptPumpHtr(N) . I+B		S3F.S -		S239	T04C0-28					HSSVMCB3	27	312300 P006	013	
014	SPIRE SorptPumpHtr(N) . I-A		S3F.S -		S239	T04C0-28					HSSVMCB3	27	312300 P006	005	
015	SPIRE SorptPumpHtr(N) . I-B		S3F.S -		S239	T04C0-28					HSSVMCB3	27	312300 P006	012	
-															
003	SPIRE SorptPumpSwHtr(N) . I+A		S3F.S -		S240	T04C0-28					HSSVMCB3	27	312300 P006	022	1S
004	SPIRE SorptPumpSwHtr(N) . I+B		S3F.S -		S240	T04C0-28					HSSVMCB3	27	312300 P006	033	
016	SPIRE SorptPumpSwHtr(N) . I-A		S3F.S -		S240	T04C0-28					HSSVMCB3	27	312300 P006	021	
017	SPIRE SorptPumpSwHtr(N) . I-B		S3F.S -		S240	T04C0-28					HSSVMCB3	27	312300 P006	032	
-															
005	SPIRE EvaporSwHtr(N) . I+A		S3F.S -		S241	T04C0-28					HSSVMCB3	27	312300 P006	055	1S
006	SPIRE EvaporSwHtr(N) . I+B		S3F.S -		S241	T04C0-28					HSSVMCB3	27	312300 P006	056	
018	SPIRE EvaporSwHtr(N) . I-A		S3F.S -		S241	T04C0-28					HSSVMCB3	27	312300 P006	043	
019	SPIRE EvaporSwHtr(N) . I-B		S3F.S -		S241	T04C0-28					HSSVMCB3	27	312300 P006	044	
-															
007	SPIRE Spectr4%Heater (N) . I+A		SCB.S -		S245	T04C0-28					HSSVMCB3	27	312300 P006	035	1S
008	SPIRE Spectr4%Heater (N) . I+B		SCB.S -		S245	T04C0-28					HSSVMCB3	27	312300 P006	024	
020	SPIRE Spectr4%Heater (N) . I-A		SCB.S -		S245	T04C0-28					HSSVMCB3	27	312300 P006	034	
021	SPIRE Spectr4%Heater (N) . I-B		SCB.S -		S245	T04C0-28					HSSVMCB3	27	312300 P006	023	
-															
009	SPIRE Spectr2%Heater (N) . I+A		SCB.S -		S246	T04C0-28					HSSVMCB3	27	312300 P006	046	1S
010	SPIRE Spectr2%Heater (N) . I+B		SCB.S -		S246	T04C0-28					HSSVMCB3	27	312300 P006	058	
022	SPIRE Spectr2%Heater (N) . I-A		SCB.S -		S246	T04C0-28					HSSVMCB3	27	312300 P006	045	
023	SPIRE Spectr2%Heater (N) . I-B		SCB.S -		S246	T04C0-28					HSSVMCB3	27	312300 P006	057	
-															
011	SPIRE PTC Htr(N) . I+A		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	079	1S 1S
012	SPIRE PTC Htr(N) . I+B		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	078	1S 1S
024	SPIRE PTC Htr(N) . I-A		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	068	1S 1S
025	SPIRE PTC Htr(N) . I-B		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	067	1S 1S
013	SPIRE PTC Htr(N) . SHD01		STB.S -		S259	TS4CC-28	1			CS-S259	HSSVMCB3	27	312300 P006	090	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Connector: 122200 P011
Item: HSFCU

Function / Bundle: FCU Heater SIH-XS-10

Conn.-Type: SCC340100201BDBMA25PNMBFO
Backshell: CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S

Pin Allocation List

(Harness)

Connector: 122200 P023
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-10

Conn.-Type: SCC340100201BDDMA50PNMBFO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE EvaporatorTemp(N) . I+	S3E.S	-		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	077	1S
002	SPIRE EvaporatorTemp(N) . I-	S3E.S	-		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	076	1S 1S
018	SPIRE EvaporatorTemp(N) . V+	S3E.S	-		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	066	1S
035	SPIRE EvaporatorTemp(N) . V-	S3E.S	-		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	065	1S
034	SPIRE EvaporatorTemp(N) . SHD02	S3E.S	-		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	054	1S 1S
-															
003	SPIRE SorptPumpTemp(N) . I+	S3E.S	-		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	029	1S 1S
019	SPIRE SorptPumpTemp(N) . I-	S3E.S	-		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	030	1S 1S
020	SPIRE SorptPumpTemp(N) . V+	S3E.S	-		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	041	1S 1S
036	SPIRE SorptPumpTemp(N) . V-	S3E.S	-		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	042	1S 1S
038	SPIRE SorptPumpTemp(N) . SHD03	S3E.S	-		S234	TS4CC-28	3			CS-S234	HSSVMCB3	27	312300 P006	031	1S 1S
-															
004	SPIRE SorptPumpSwTemp(N) . I+	S3E.S	-		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	053	1S 1S
005	SPIRE SorptPumpSwTemp(N) . I-	S3E.S	-		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	052	1S 1S
021	SPIRE SorptPumpSwTemp(N) . V+	S3E.S	-		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	064	1S 1S
037	SPIRE SorptPumpSwTemp(N) . V-	S3E.S	-		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	063	1S 1S
038	SPIRE SorptPumpSwTemp(N) . SHD04	S3E.S	-		S236	TS4CC-28	4			CS-S236	HSSVMCB3	27	312300 P006	075	1S 1S
-															
006	SPIRE EvaporSwTemp(N) . I+	S3E.S	-		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	050	1S 1S
022	SPIRE EvaporSwTemp(N) . I-	S3E.S	-		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	061	1S 1S
023	SPIRE EvaporSwTemp(N) . V+	S3E.S	-		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	062	1S 1S
039	SPIRE EvaporSwTemp(N) . V-	S3E.S	-		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	051	1S 1S
038	SPIRE EvaporSwTemp(N) . SHD05	S3E.S	-		S237	TS4CC-28	5			CS-S237	HSSVMCB3	27	312300 P006	039	1S 1S
-															
007	SPIRE ThermShuntTemp(N) . I+A	S3E.S	-		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	011	1S 1S
008	SPIRE ThermShuntTemp(N) . I-B	S3E.S	-		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	010	1S 1S
024	SPIRE ThermShuntTemp(N) . V+B	S3E.S	-		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	019	1S 1S
040	SPIRE ThermShuntTemp(N) . V-A	S3E.S	-		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	018	1S 1S
038	SPIRE ThermShuntTemp(N) . SHD06	S3E.S	-		S238	TS4CC-28	6			CS-S238	HSSVMCB3	27	312300 P006	020	1S 1S
-															
009	SPIRE FilterTemp(N) . I+	STA.S	-		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	089	1S 1S
025	SPIRE FilterTemp(N) . I-	STA.S	-		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	088	1S 1S
026	SPIRE FilterTemp(N) . V+	STA.S	-		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	100	1S 1S
042	SPIRE FilterTemp(N) . V-	STA.S	-		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	099	1S 1S

Pin Allocation List

(Harness)

Connector: 122200 P023
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-10

Conn.-Type: SCC340100201BDDMA50PNMBFO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE FilterTemp(N) . SHD07		STA.S -		S253	TS4CC-28	7			CS-S253	HSSVMCB3	27	312300 P006	101	1S	1S
-																
010	SPIRE SpectDetBoxTemp(N) . I+		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	118	1S	1S
011	SPIRE SpectDetBoxTemp(N) . I-		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	119	1S	1S
027	SPIRE SpectDetBoxTemp(N) . V+		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	125	1S	1S
044	SPIRE SpectDetBoxTemp(N) . V-		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	126	1S	1S
043	SPIRE SpectDetBoxTemp(N) . SHD08		STA.S -		S254	TS4CC-28	8			CS-S254	HSSVMCB3	27	312300 P006	110	1S	1S
-																
012	SPIRE PhotomDetBoxTmp(N) . I+		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	123	1S	1S
028	SPIRE PhotomDetBoxTmp(N) . I-		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	124	1S	1S
029	SPIRE PhotomDetBoxTmp(N) . V+		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	116	1S	1S
045	SPIRE PhotomDetBoxTmp(N) . V-		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	117	1S	1S
046	SPIRE PhotomDetBoxTmp(N) . SHD09		STA.S -		S255	TS4CC-28	9			CS-S255	HSSVMCB3	27	312300 P006	108	1S	1S
-																
013	SPIRE OptSubbenchTmp(N) . I+		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	106	1S	1S
014	SPIRE OptSubbenchTmp(N) . I-		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	115	1S	1S
030	SPIRE OptSubbenchTmp(N) . V+		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	107	1S	1S
047	SPIRE OptSubbenchTmp(N) . V-		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	122	1S	1S
046	SPIRE OptSubbenchTmp(N) . SHD10		STA.S -		S256	TS4CC-28	10			CS-S256	HSSVMCB3	27	312300 P006	105	1S	1S
-																
015	SPIRE FPUInpBaffleTmp(N) . I+		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	097	1S	1S
031	SPIRE FPUInpBaffleTmp(N) . I-		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	098	1S	1S
032	SPIRE FPUInpBaffleTmp(N) . V+		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	086	1S	1S
048	SPIRE FPUInpBaffleTmp(N) . V-		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	087	1S	1S
049	SPIRE FPUInpBaffleTmp(N) . SHD11		STA.S -		S257	TS4CC-28	11			CS-S257	HSSVMCB3	27	312300 P006	109	1S	1S
-																
016	SPIRE BSM/SOB I/FTmp(N) . I+		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	073	1S	1S
017	SPIRE BSM/SOB I/FTmp(N) . I-		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	084	1S	1S
033	SPIRE BSM/SOB I/FTmp(N) . V+		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	074	1S	1S
050	SPIRE BSM/SOB I/FTmp(N) . V-		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	085	1S	1S
049	SPIRE BSM/SOB I/FTmp(N) . SHD12		STA.S -		S258	TS4CC-28	12			CS-S258	HSSVMCB3	27	312300 P006	096	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122200 P023
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-10

Conn.-Type: SCC340100201BDDMA50PNMBFO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;041					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122200 P025**Function / Bundle:** FCU Thermometry Tail B SIH-XS-10**Conn.-Type:** SCC340100201BDAMA15PNMBFO**Item:** HSFCU**Backshell:** 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
001	SPIRE SpStimFlanTemp(N) . I+	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	114	1S	1S
009	SPIRE SpStimFlanTemp(N) . I-	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	104	1S	1S
002	SPIRE SpStimFlanTemp(N) . V+	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	113	1S	1S
010	SPIRE SpStimFlanTemp(N) . V-	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	103	1S	1S
003	SPIRE SpStimFlanTemp(N) . SHD13	SCA.S	-		S244	TS4CC-28	13			CS-S244	HSSVMCB3	27	312300 P006	102	1S	1S
-																
004	SPIRE Spectr4%Temp (N) . I+	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	111	1S	1S
011	SPIRE Spectr4%Temp (N) . I-	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	112	1S	1S
005	SPIRE Spectr4%Temp (N) . V+	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	120	1S	1S
012	SPIRE Spectr4%Temp (N) . V-	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	128	1S	1S
013	SPIRE Spectr4%Temp (N) . SHD14	SCA.S	-		S242	TS4CC-28	14			CS-S242	HSSVMCB3	27	312300 P006	121	1S	1S
-																
006	SPIRE Spectr2%Temp (N) . I+	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	091	1S	1S
014	SPIRE Spectr2%Temp (N) . I-	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	080	1S	1S
007	SPIRE Spectr2%Temp (N) . V+	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	092	1S	1S
015	SPIRE Spectr2%Temp (N) . V-	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	081	1S	1S
013	SPIRE Spectr2%Temp (N) . SHD15	SCA.S	-		S243	TS4CC-28	15			CS-S243	HSSVMCB3	27	312300 P006	093	1S	1S
-																
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS						1S
-																
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS						1S
-																
-	1 pin is NC									The following Pin is NC :						1S
-	-									;008						

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
086	SPIRE BSMTemp(N) . I+	SBC.S	-		S103	TS4CC-28	1				HSFCU	17	122200 P021	001	1S 1S
087	SPIRE BSMTemp(N) . I-	SBC.S	-		S103	TS4CC-28	1				HSFCU	17	122200 P021	002	1S 1S
097	SPIRE BSMTemp(N) . V+	SBC.S	-		S103	TS4CC-28	1				HSFCU	17	122200 P021	009	1S 1S
098	SPIRE BSMTemp(N) . V-	SBC.S	-		S103	TS4CC-28	1				HSFCU	17	122200 P021	010	1S 1S
075	SPIRE BSMTemp(N) . SHD01	SBC.S	-		S103	TS4CC-28	1			CS-S103	HSFCU	17	122200 P021	003	1S 1S
-															
088	SPIRE SMECTemp(N) . I+	SMC.S	-		S271	TS4CC-28	2				HSFCU	17	122200 P021	004	1S 1S
089	SPIRE SMECTemp(N) . I-	SMC.S	-		S271	TS4CC-28	2				HSFCU	17	122200 P021	005	1S 1S
099	SPIRE SMECTemp(N) . V+	SMC.S	-		S271	TS4CC-28	2				HSFCU	17	122200 P021	011	1S 1S
100	SPIRE SMECTemp(N) . V-	SMC.S	-		S271	TS4CC-28	2				HSFCU	17	122200 P021	012	1S 1S
077	SPIRE SMECTemp(N) . SHD02	SMC.S	-		S271	TS4CC-28	2			CS-S271	HSFCU	17	122200 P021	013	1S 1S
-															
054	SPIRE SMEC/SOB I/FTmp(N) . I+	SMC.S	-		S272	TS4CC-28	3				HSFCU	17	122200 P021	006	1S 1S
053	SPIRE SMEC/SOB I/FTmp(N) . I-	SMC.S	-		S272	TS4CC-28	3				HSFCU	17	122200 P021	007	1S 1S
065	SPIRE SMEC/SOB I/FTmp(N) . V+	SMC.S	-		S272	TS4CC-28	3				HSFCU	17	122200 P021	014	1S 1S
064	SPIRE SMEC/SOB I/FTmp(N) . V-	SMC.S	-		S272	TS4CC-28	3				HSFCU	17	122200 P021	015	1S 1S
076	SPIRE SMEC/SOB I/FTmp(N) . SHD03	SMC.S	-		S272	TS4CC-28	3			CS-S272	HSFCU	17	122200 P021	008	1S 1S
-															1S
012	SPIRE SMEC Drv Coil (N) . I+	SMD.S	-		S276	TS2CC-28	4				HSFCU	17	122200 P017	001	1S 1S
005	SPIRE SMEC Drv Coil (N) . I-	SMD.S	-		S276	TS2CC-28	4				HSFCU	17	122200 P017	002	1S 1S
013	SPIRE SMEC Drv Coil (N) . SHD04	SMD.S	-		S276	TS2CC-28	4			CS-S276	HSFCU	17	122200 P017	020	1S 1S
-															
022	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.S	-		S277	TS2CC-28	5				HSFCU	17	122200 P017	021	1S 1S
007	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.S	-		S277	TS2CC-28	5				HSFCU	17	122200 P017	022	1S 1S
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD05	SMD.S	-		S277	TS2CC-28	5			CS-S277	HSFCU	17	122200 P017	003	1S 1S
-															
014	SPIRE SMEC Drv Sense (N) . Sen+	SMG.S	-		S278	TS2CC-28	6				HSFCU	17	122200 P017	004	1S 1S
024	SPIRE SMEC Drv Sense (N) . Sen-	SMG.S	-		S278	TS2CC-28	6				HSFCU	17	122200 P017	005	1S 1S
023	SPIRE SMEC Drv Sense (N) . SHD06	SMG.S	-		S278	TS2CC-28	6			CS-S278	HSFCU	17	122200 P017	023	1S 1S
-															
009	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.S	-		S279	TS2CC-28	7				HSFCU	17	122200 P017	007	1S 1S
002	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.S	-		S279	TS2CC-28	7				HSFCU	17	122200 P017	008	1S 1S
003	SPIRE SMEC PosSeLEDpwr(N) . SHD07	SMH.S	-		S279	TS2CC-28	7			CS-S279	HSFCU	17	122200 P017	026	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
011	SPIRE SMEC PosSensPwr(N) . S		SMH.S -		S280	TS2CC-28	8				HSFCU	17	122200 P017	027	1S 1S
004	SPIRE SMEC PosSensPwr(N) . R		SMH.S -		S280	TS2CC-28	8				HSFCU	17	122200 P017	028	1S 1S
010	SPIRE SMEC PosSensPwr(N) . SHD08		SMH.S -		S280	TS2CC-28	8		CS-S280		HSFCU	17	122200 P017	009	1S 1S
-															
018	SPIRE SMEC PosPhDi#1(N) . I+		SMJ.S -		S281	TS2CC-28	9				HSFCU	17	122200 P017	010	1S 1S
019	SPIRE SMEC PosPhDi#1(N) . I-		SMJ.S -		S281	TS2CC-28	9				HSFCU	17	122200 P017	011	1S 1S
029	SPIRE SMEC PosPhDi#1(N) . SHD09		SMJ.S -		S281	TS2CC-28	9		CS-S281		HSFCU	17	122200 P017	029	1S 1S
-															
056	SPIRE SMEC PosPhDi#1FB(N) . S		SMK.S -		S282	TS2CC-28	10				HSFCU	17	122200 P017	030	1S 1S
055	SPIRE SMEC PosPhDi#1FB(N) . R		SMK.S -		S282	TS2CC-28	10				HSFCU	17	122200 P017	031	1S 1S
044	SPIRE SMEC PosPhDi#1FB(N) . SHD10		SMK.S -		S282	TS2CC-28	10		CS-S282		HSFCU	17	122200 P017	012	1S 1S
-															
042	SPIRE SMEC PosPhDi#2(N) . I+		SMJ.S -		S283	TS2CC-28	11				HSFCU	17	122200 P017	013	1S 1S
041	SPIRE SMEC PosPhDi#2(N) . I-		SMJ.S -		S283	TS2CC-28	11				HSFCU	17	122200 P017	014	1S 1S
030	SPIRE SMEC PosPhDi#2(N) . SHD11		SMJ.S -		S283	TS2CC-28	11		CS-S283		HSFCU	17	122200 P017	032	1S 1S
-															
034	SPIRE SMEC PosPhDi#2FB(N) . S		SMK.S -		S284	TS2CC-28	12				HSFCU	17	122200 P017	033	1S 1S
033	SPIRE SMEC PosPhDi#2FB(N) . R		SMK.S -		S284	TS2CC-28	12				HSFCU	17	122200 P017	034	1S 1S
045	SPIRE SMEC PosPhDi#2FB(N) . SHD12		SMK.S -		S284	TS2CC-28	12		CS-S284		HSFCU	17	122200 P017	015	1S 1S
-															
020	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.S -		S285	TS2CC-28	13				HSFCU	17	122200 P017	016	1S 1S
021	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.S -		S285	TS2CC-28	13				HSFCU	17	122200 P017	017	1S 1S
031	SPIRE SMEC PosPhDi#3(N) . SHD13		SMJ.S -		S285	TS2CC-28	13		CS-S285		HSFCU	17	122200 P017	035	1S 1S
-															
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.S -		S286	TS2CC-28	14				HSFCU	17	122200 P017	036	1S 1S
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.S -		S286	TS2CC-28	14				HSFCU	17	122200 P017	037	1S 1S
046	SPIRE SMEC PosPhDi#3FB(N) . SHD14		SMK.S -		S286	TS2CC-28	14		CS-S286		HSFCU	17	122200 P017	018	1S 1S
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	002	1S 1S
071	SPIRE P-Cal Htr(N) . I+B		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	003	1S 1S
060	SPIRE P-Cal Htr(N) . I-A		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	007	1S 1S
059	SPIRE P-Cal Htr(N) . I-B		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	008	1S 1S
036	SPIRE P-Cal Htr(N) . SHD15		SBD.S -		S260	TS4CC-28	15		CS-S260		HSFCU	17	122200 P013	004	1S 1S

Pin Allocation List (Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.S -		S267	TS2CC-28	16				HSFCU	17	122200 P029	001	1S 1S
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.S -		S267	TS2CC-28	16				HSFCU	17	122200 P029	002	1S 1S
078	SPIRE SMECLL#1Pwr1/A(N) . SHD16		SMF.S -		S267	TS2CC-28	16		CS-S267		HSFCU	17	122200 P029	020	1S 1S
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.S -		S268	TS2CC-28	17				HSFCU	17	122200 P029	021	1S 1S
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.S -		S268	TS2CC-28	17				HSFCU	17	122200 P029	022	1S 1S
080	SPIRE SMECLL#1Pwr2/B(N) . SHD17		SMF.S -		S268	TS2CC-28	17		CS-S268		HSFCU	17	122200 P029	003	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.S -		S269	TS2CC-28	18				HSFCU	17	122200 P029	004	1S 1S
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.S -		S269	TS2CC-28	18				HSFCU	17	122200 P029	005	1S 1S
079	SPIRE SMECLL#2Pwr1/A(N) . SHD18		SMF.S -		S269	TS2CC-28	18		CS-S269		HSFCU	17	122200 P029	023	1S 1S
-															
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.S -		S270	TS2CC-28	19				HSFCU	17	122200 P029	024	1S 1S
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.S -		S270	TS2CC-28	19				HSFCU	17	122200 P029	025	1S 1S
081	SPIRE SMECLL#2Pwr2/B(N) . SHD19		SMF.S -		S270	TS2CC-28	19		CS-S270		HSFCU	17	122200 P029	006	1S 1S
-															
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.S -		S273	TS2CC-28	20				HSFCU	17	122200 P029	013	1S 1S
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.S -		S273	TS2CC-28	20				HSFCU	17	122200 P029	014	1S 1S
112	SPIRE SMECLVDTPriCIPw(N) . SHD20		SMA.S -		S273	TS2CC-28	20		CS-S273		HSFCU	17	122200 P029	032	1S 1S
-															
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.S -		S274	TS2CC-28	21				HSFCU	17	122200 P029	015	1S 1S
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.S -		S274	TS2CC-28	21				HSFCU	17	122200 P029	016	1S 1S
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD21		SMB.S -		S274	TS2CC-28	21		CS-S274		HSFCU	17	122200 P029	034	1S 1S
-															
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.S -		S275	TS2CC-28	22				HSFCU	17	122200 P029	017	1S 1S
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.S -		S275	TS2CC-28	22				HSFCU	17	122200 P029	018	1S 1S
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD22		SMB.S -		S275	TS2CC-28	22		CS-S275		HSFCU	17	122200 P029	036	1S 1S
-															
051	SPIRE ChopSensor1&2(N) . 1		SBA.S -		S041	TS2CC-28	23				HSFCU	17	122200 P019	001	1S 1S
040	SPIRE ChopSensor1&2(N) . 2		SBA.S -		S041	TS2CC-28	23				HSFCU	17	122200 P019	020	1S 1S
039	SPIRE ChopSensor1&2(N) . SHD23		SBA.S -		S041	TS2CC-28	23		CS-S041		HSFCU	17	122200 P019	022	1S 1S
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	002	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
017	SPIRE ChopSensor3-5(N) . 4		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	021	1S	1S
016	SPIRE ChopSensor3-5(N) . 5		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	003	1S	1S
027	SPIRE ChopSensor3-5(N) . SHD24		SBB.S -		S043	TS3CC-28	24		CS-S043		HSFCU	17	122200 P019	022	1S	1S
-																
049	SPIRE JiggleSensor1&2(N) . 1		SBA.S -		S045	TS2CC-28	25				HSFCU	17	122200 P019	004	1S	1S
050	SPIRE JiggleSensor1&2(N) . 2		SBA.S -		S045	TS2CC-28	25				HSFCU	17	122200 P019	023	1S	1S
038	SPIRE JiggleSensor1&2(N) . SHD25		SBA.S -		S045	TS2CC-28	25		CS-S045		HSFCU	17	122200 P019	022	1S	1S
-																
015	SPIRE JiggleSensor3-5(N) . 3		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	005	1S	1S
025	SPIRE JiggleSensor3-5(N) . 4		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	024	1S	1S
037	SPIRE JiggleSensor3-5(N) . 5		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	006	1S	1S
026	SPIRE JiggleSensor3-5(N) . SHD26		SBB.S -		S048	TS3CC-28	26		CS-S048		HSFCU	17	122200 P019	025	1S	1S
-																
105	SPIRE BSMLatchDrive(N) . SUP		SBF.S -		S262	TS2CC-28	27				HSFCU	17	122200 P019	013	1S	1S
115	SPIRE BSMLatchDrive(N) . RTN		SBF.S -		S262	TS2CC-28	27				HSFCU	17	122200 P019	014	1S	1S
106	SPIRE BSMLatchDrive(N) . SHD27		SBF.S -		S262	TS2CC-28	27		CS-S262		HSFCU	17	122200 P019	033	1S	1S
-																
072	SPIRE ChopMotDrive(N) . 1		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	015	1S	1S
061	SPIRE ChopMotDrive(N) . 2		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	034	1S	1S
062	SPIRE ChopMotDrive(N) . 3		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	016	1S	1S
074	SPIRE ChopMotDrive(N) . 4		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	035	1S	1S
073	SPIRE ChopMotDrive(N) . SHD28		SBG.S -		S263	TS4CC-28	28		CS-S263		HSFCU	17	122200 P019	017	1S	1S
-																
083	SPIRE JiggleMotDrive(N) . 1		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	036	1S	1S
095	SPIRE JiggleMotDrive(N) . 2		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	018	1S	1S
096	SPIRE JiggleMotDrive(N) . 3		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	037	1S	1S
085	SPIRE JiggleMotDrive(N) . 4		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	019	1S	1S
084	SPIRE JiggleMotDrive(N) . SHD29		SBG.S -		S264	TS4CC-28	29		CS-S264		HSFCU	17	122200 P019	017	1S	1S
-																1S
108	SPIRE BSMLchLtchConf(N) . 1		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P001	011	1S	1S
116	SPIRE BSMLchLtchConf(N) . 2		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P001	001	1S	1S
107	SPIRE BSMLchLtchConf(N) . SHD30		SBE.S -		S261	TS2CC-28	30		CS-S261		HSSVMCB3	27	312300 P001	002	1S	1S
-																

Pin Allocation List (Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.S -		S265	TS2CC-28	31				HSSVMCB3	27	312300 P001	012	1S 1S
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.S -		S265	TS2CC-28	31				HSSVMCB3	27	312300 P001	004	1S 1S
109	SPIRE SMECLLtch#1Conf(N) . SHD31		SME.S -		S265	TS2CC-28	31		CS-S265		HSSVMCB3	27	312300 P001	005	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.S -		S266	TS2CC-28	32				HSSVMCB3	27	312300 P001	013	1S 1S
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.S -		S266	TS2CC-28	32				HSSVMCB3	27	312300 P001	008	1S 1S
110	SPIRE SMECLLtch#2Conf(N) . SHD32		SME.S -		S266	TS2CC-28	32		CS-S266		HSSVMCB3	27	312300 P001	009	1S 1S
-															
027	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
026	to be con to pin 027														1S
038	to be con to pin 027														1S
039	to be con to pin 027														1S
-															1S
030	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
029	to be con to pin 030														1S
031	to be con to pin 030														1S
-															1S
045	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
044	to be con to pin 045														1S
046	to be con to pin 045														1S
-															1S
073	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
084	to be con to pin 073								shield interconnection						1S
-															1S
077	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
076	to be con to pin 077														1S
-															1S
080	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
078	to be con to pin 080														1S

Pin Allocation List (Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
079	to be con to pin 080														1S
081	to be con to pin 080														1S
-															1S
109	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
110	to be con to pin 109														1S
-															1S
128	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
112	to be con to pin 128														1S
121	to be con to pin 128														1S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
107	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
109	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
110	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															

Pin Allocation List (Harness)

Connector: 312300 P004
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List (Harness)

Connector: 122200 P013
Item: HSFCU

Function / Bundle: FCU Phot. Stimulus Prime SIH-XS-11

Conn.-Type: SCC340100201BDEMA9PNMBFO
Backshell: XE-01

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
002	SPIRE P-Cal Htr(N) . I+A		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	048	1S 1S
003	SPIRE P-Cal Htr(N) . I+B		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	071	1S 1S
007	SPIRE P-Cal Htr(N) . I-A		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	060	1S 1S
008	SPIRE P-Cal Htr(N) . I-B		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	059	1S 1S
004	SPIRE P-Cal Htr(N) . SHD15		SBD.S -		S260	TS4CC-28	15			CS-S260	HSSVMCB3	27	312300 P004	036	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	4 pins are NC									The following Pins are NC :					
-	-									;001 ;005 ;006 ;009					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122200 P017**Function / Bundle:** FCU SMEC Contr.SIH-XS-11**Conn.-Type:** SCC340100201BDCMA37PNMBFO**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMEC Drv Coil (N) . I+	SMD.S	-		S276	TS2CC-28	4				HSSVMCB3	27	312300 P004	012	1S 1S
002	SPIRE SMEC Drv Coil (N) . I-	SMD.S	-		S276	TS2CC-28	4				HSSVMCB3	27	312300 P004	005	1S 1S
020	SPIRE SMEC Drv Coil (N) . SHD04	SMD.S	-		S276	TS2CC-28	4		CS-S276		HSSVMCB3	27	312300 P004	013	1S 1S
-															
021	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.S	-		S277	TS2CC-28	5				HSSVMCB3	27	312300 P004	022	1S 1S
022	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.S	-		S277	TS2CC-28	5				HSSVMCB3	27	312300 P004	007	1S 1S
003	SPIRE SMEC Drv Coil (Rob) (N) . SHD05	SMD.S	-		S277	TS2CC-28	5		CS-S277		HSSVMCB3	27	312300 P004	013	1S 1S
-															
004	SPIRE SMEC Drv Sense (N) . Sen+	SMG.S	-		S278	TS2CC-28	6				HSSVMCB3	27	312300 P004	014	1S 1S
005	SPIRE SMEC Drv Sense (N) . Sen-	SMG.S	-		S278	TS2CC-28	6				HSSVMCB3	27	312300 P004	024	1S 1S
023	SPIRE SMEC Drv Sense (N) . SHD06	SMG.S	-		S278	TS2CC-28	6		CS-S278		HSSVMCB3	27	312300 P004	023	1S 1S
-															
007	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.S	-		S279	TS2CC-28	7				HSSVMCB3	27	312300 P004	009	1S 1S
008	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.S	-		S279	TS2CC-28	7				HSSVMCB3	27	312300 P004	002	1S 1S
026	SPIRE SMEC PosSeLEDpwr(N) . SHD07	SMH.S	-		S279	TS2CC-28	7		CS-S279		HSSVMCB3	27	312300 P004	003	1S 1S
-															
027	SPIRE SMEC PosSensPwr(N) . S	SMH.S	-		S280	TS2CC-28	8				HSSVMCB3	27	312300 P004	011	1S 1S
028	SPIRE SMEC PosSensPwr(N) . R	SMH.S	-		S280	TS2CC-28	8				HSSVMCB3	27	312300 P004	004	1S 1S
009	SPIRE SMEC PosSensPwr(N) . SHD08	SMH.S	-		S280	TS2CC-28	8		CS-S280		HSSVMCB3	27	312300 P004	010	1S 1S
-															
010	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.S	-		S281	TS2CC-28	9				HSSVMCB3	27	312300 P004	018	1S 1S
011	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.S	-		S281	TS2CC-28	9				HSSVMCB3	27	312300 P004	019	1S 1S
029	SPIRE SMEC PosPhDi#1(N) . SHD09	SMJ.S	-		S281	TS2CC-28	9		CS-S281		HSSVMCB3	27	312300 P004	029	1S 1S
-															
030	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.S	-		S282	TS2CC-28	10				HSSVMCB3	27	312300 P004	056	1S 1S
031	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.S	-		S282	TS2CC-28	10				HSSVMCB3	27	312300 P004	055	1S 1S
012	SPIRE SMEC PosPhDi#1FB(N) . SHD10	SMK.S	-		S282	TS2CC-28	10		CS-S282		HSSVMCB3	27	312300 P004	044	1S 1S
-															
013	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.S	-		S283	TS2CC-28	11				HSSVMCB3	27	312300 P004	042	1S 1S
014	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.S	-		S283	TS2CC-28	11				HSSVMCB3	27	312300 P004	041	1S 1S
032	SPIRE SMEC PosPhDi#2(N) . SHD11	SMJ.S	-		S283	TS2CC-28	11		CS-S283		HSSVMCB3	27	312300 P004	030	1S 1S
-															
033	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.S	-		S284	TS2CC-28	12				HSSVMCB3	27	312300 P004	034	1S 1S
034	SPIRE SMEC PosPhDi#2FB(N) . R	SMK.S	-		S284	TS2CC-28	12				HSSVMCB3	27	312300 P004	033	1S 1S

Pin Allocation List

(Harness)

Connector: 122200 P017**Function / Bundle:** FCU SMEC Contr.SIH-XS-11**Conn.-Type:** SCC340100201BDCMA37PNMBFO**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
015	SPIRE SMEC PosPhDi#2FB(N) . SHD12		SMK.S -		S284	TS2CC-28	12		CS-S284	HSSVMCB3	27	312300 P004	045	1S	1S	
-																
016	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.S -		S285	TS2CC-28	13			HSSVMCB3	27	312300 P004	020	1S	1S	
017	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.S -		S285	TS2CC-28	13			HSSVMCB3	27	312300 P004	021	1S	1S	
035	SPIRE SMEC PosPhDi#3(N) . SHD13		SMJ.S -		S285	TS2CC-28	13		CS-S285	HSSVMCB3	27	312300 P004	031	1S	1S	
-																
036	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.S -		S286	TS2CC-28	14			HSSVMCB3	27	312300 P004	058	1S	1S	
037	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.S -		S286	TS2CC-28	14			HSSVMCB3	27	312300 P004	057	1S	1S	
018	SPIRE SMEC PosPhDi#3FB(N) . SHD14		SMK.S -		S286	TS2CC-28	14		CS-S286	HSSVMCB3	27	312300 P004	046	1S	1S	
-																
CH	to be con to Inner Overall Shield (IOS)		-						removable short pigtail to CH / Insulation required between IOS and OOS					1S		
-															1S	
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS					1S		
-															1S	
001	Interconnection Star Pin								Star Pin for interconnection					1S		
021	to be connected to pin 001													1S		
-														1S		
002	Interconnection Star Pin								Star Pin for interconnection					1S		
022	to be con to pin 002													1S		
-														1S		
-	4 pins are NC								The following Pins are NC :							
-									;006 ;019 ;024 ;025							

Pin Allocation List

(Harness)

Connector: 122200 P019
Item: HSFCU

Function / Bundle: FCU BSM Pr SIH-XS-11

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE ChopSensor1&2(N) . 1		SBA.S -		S041	TS2CC-28	23				HSSVMCB3	27	312300 P004	051	1S 1S
020	SPIRE ChopSensor1&2(N) . 2		SBA.S -		S041	TS2CC-28	23				HSSVMCB3	27	312300 P004	040	1S 1S
022	SPIRE ChopSensor1&2(N) . SHD23		SBA.S -		S041	TS2CC-28	23		CS-S041		HSSVMCB3	27	312300 P004	039	1S 1S
-															
002	SPIRE ChopSensor3-5(N) . 3		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	028	1S 1S
021	SPIRE ChopSensor3-5(N) . 4		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	017	1S 1S
003	SPIRE ChopSensor3-5(N) . 5		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	016	1S 1S
022	SPIRE ChopSensor3-5(N) . SHD24		SBB.S -		S043	TS3CC-28	24		CS-S043		HSSVMCB3	27	312300 P004	027	1S 1S
-															
004	SPIRE JiggleSensor1&2(N) . 1		SBA.S -		S045	TS2CC-28	25				HSSVMCB3	27	312300 P004	049	1S 1S
023	SPIRE JiggleSensor1&2(N) . 2		SBA.S -		S045	TS2CC-28	25				HSSVMCB3	27	312300 P004	050	1S 1S
022	SPIRE JiggleSensor1&2(N) . SHD25		SBA.S -		S045	TS2CC-28	25		CS-S045		HSSVMCB3	27	312300 P004	038	1S 1S
-															
005	SPIRE JiggleSensor3-5(N) . 3		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	015	1S 1S
024	SPIRE JiggleSensor3-5(N) . 4		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	025	1S 1S
006	SPIRE JiggleSensor3-5(N) . 5		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	037	1S 1S
025	SPIRE JiggleSensor3-5(N) . SHD26		SBB.S -		S048	TS3CC-28	26		CS-S048		HSSVMCB3	27	312300 P004	026	1S 1S
-															
013	SPIRE BSMLatchDrive(N) . SUP		SBF.S -		S262	TS2CC-28	27				HSSVMCB3	27	312300 P004	105	1S 1S
014	SPIRE BSMLatchDrive(N) . RTN		SBF.S -		S262	TS2CC-28	27				HSSVMCB3	27	312300 P004	115	1S 1S
033	SPIRE BSMLatchDrive(N) . SHD27		SBF.S -		S262	TS2CC-28	27		CS-S262		HSSVMCB3	27	312300 P004	106	1S 1S
-															
015	SPIRE ChopMotDrive(N) . 1		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	072	1S 1S
034	SPIRE ChopMotDrive(N) . 2		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	061	1S 1S
016	SPIRE ChopMotDrive(N) . 3		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	062	1S 1S
035	SPIRE ChopMotDrive(N) . 4		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	074	1S 1S
017	SPIRE ChopMotDrive(N) . SHD28		SBG.S -		S263	TS4CC-28	28		CS-S263		HSSVMCB3	27	312300 P004	073	1S 1S
-															
036	SPIRE JiggleMotDrive(N) . 1		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	083	1S 1S
018	SPIRE JiggleMotDrive(N) . 2		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	095	1S 1S
037	SPIRE JiggleMotDrive(N) . 3		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	096	1S 1S
019	SPIRE JiggleMotDrive(N) . 4		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	085	1S 1S
017	SPIRE JiggleMotDrive(N) . SHD29		SBG.S -		S264	TS4CC-28	29		CS-S264		HSSVMCB3	27	312300 P004	084	1S 1S
-															

Pin Allocation List (Harness)

Connector: 122200 P019
Item: HSFCU

Function / Bundle: FCU BSM Pr SIH-XS-11

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
022	Interconnection Star Pin									Star Pin for Interconnection					1S
025	to be con to pin 022														1S
-															1S
-	13 pins are NC									The following Pins are NC :					
-	-									;007 ;008 ;009 ;010 ;011 ;012 ;026 ;027 ;028 ;029 ;030 ;031 ;032					

Pin Allocation List (Harness)

Connector: 122200 P021
Item: HSFCU

Function / Bundle: FCU Thermometry C SIH-XS-11

Conn.-Type: SCC340100201BDAMA15PNMBFO
Backshell: 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE BSMTemp(N) . I+	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	086	1S 1S
002	SPIRE BSMTemp(N) . I-	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	087	1S 1S
009	SPIRE BSMTemp(N) . V+	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	097	1S 1S
010	SPIRE BSMTemp(N) . V-	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	098	1S 1S
003	SPIRE BSMTemp(N) . SHD01	SBC.S	-		S103	TS4CC-28	1		CS-S103		HSSVMCB3	27	312300 P004	075	1S 1S
-															
004	SPIRE SMECTemp(N) . I+	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	088	1S 1S
005	SPIRE SMECTemp(N) . I-	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	089	1S 1S
011	SPIRE SMECTemp(N) . V+	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	099	1S 1S
012	SPIRE SMECTemp(N) . V-	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	100	1S 1S
013	SPIRE SMECTemp(N) . SHD02	SMC.S	-		S271	TS4CC-28	2		CS-S271		HSSVMCB3	27	312300 P004	077	1S 1S
-															
006	SPIRE SMEC/SOB I/FTmp(N) . I+	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	054	1S 1S
007	SPIRE SMEC/SOB I/FTmp(N) . I-	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	053	1S 1S
014	SPIRE SMEC/SOB I/FTmp(N) . V+	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	065	1S 1S
015	SPIRE SMEC/SOB I/FTmp(N) . V-	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	064	1S 1S
008	SPIRE SMEC/SOB I/FTmp(N) . SHD03	SMC.S	-		S272	TS4CC-28	3		CS-S272		HSSVMCB3	27	312300 P004	076	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)		-						removable short pigtail to CH / insulation required between IOS and OOS						1S
-															
CH	to be con to Outer Overall Shield (OOS)								insulation required between IOS and OOS						1S

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Pin Allocation List

(Harness)

Connector: 122200 P029**Function / Bundle:** FCU SMEC Launch PrSIH-XS-11**Conn.-Type:** SCC340100201BDCMA37SNMBFO**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.S -		S267	TS2CC-28	16				HSSVMCB3	27	312300 P004	067	1S 1S
002	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.S -		S267	TS2CC-28	16				HSSVMCB3	27	312300 P004	066	1S 1S
020	SPIRE SMECLL#1Pwr1/A(N) . SHD16		SMF.S -		S267	TS2CC-28	16		CS-S267		HSSVMCB3	27	312300 P004	078	1S 1S
-															
021	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.S -		S268	TS2CC-28	17				HSSVMCB3	27	312300 P004	069	1S 1S
022	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.S -		S268	TS2CC-28	17				HSSVMCB3	27	312300 P004	068	1S 1S
003	SPIRE SMECLL#1Pwr2/B(N) . SHD17		SMF.S -		S268	TS2CC-28	17		CS-S268		HSSVMCB3	27	312300 P004	080	1S 1S
-															
004	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.S -		S269	TS2CC-28	18				HSSVMCB3	27	312300 P004	090	1S 1S
005	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.S -		S269	TS2CC-28	18				HSSVMCB3	27	312300 P004	091	1S 1S
023	SPIRE SMECLL#2Pwr1/A(N) . SHD18		SMF.S -		S269	TS2CC-28	18		CS-S269		HSSVMCB3	27	312300 P004	079	1S 1S
-															
024	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.S -		S270	TS2CC-28	19				HSSVMCB3	27	312300 P004	092	1S 1S
025	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.S -		S270	TS2CC-28	19				HSSVMCB3	27	312300 P004	093	1S 1S
006	SPIRE SMECLL#2Pwr2/B(N) . SHD19		SMF.S -		S270	TS2CC-28	19		CS-S270		HSSVMCB3	27	312300 P004	081	1S 1S
-															
013	SPIRE SMECLVDTPriCIPw(N) . P		SMA.S -		S273	TS2CC-28	20				HSSVMCB3	27	312300 P004	101	1S 1S
014	SPIRE SMECLVDTPriCIPw(N) . N		SMA.S -		S273	TS2CC-28	20				HSSVMCB3	27	312300 P004	102	1S 1S
032	SPIRE SMECLVDTPriCIPw(N) . SHD20		SMA.S -		S273	TS2CC-28	20		CS-S273		HSSVMCB3	27	312300 P004	112	1S 1S
-															
015	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.S -		S274	TS2CC-28	21				HSSVMCB3	27	312300 P004	127	1S 1S
016	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.S -		S274	TS2CC-28	21				HSSVMCB3	27	312300 P004	120	1S 1S
034	SPIRE SMECLVDTSCI#1Sg(N) . SHD21		SMB.S -		S274	TS2CC-28	21		CS-S274		HSSVMCB3	27	312300 P004	128	1S 1S
-															
017	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.S -		S275	TS2CC-28	22				HSSVMCB3	27	312300 P004	114	1S 1S
018	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.S -		S275	TS2CC-28	22				HSSVMCB3	27	312300 P004	113	1S 1S
036	SPIRE SMECLVDTSCI#2Sg(N) . SHD22		SMB.S -		S275	TS2CC-28	22		CS-S275		HSSVMCB3	27	312300 P004	121	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)								removable short pigtail to CH / Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S

Pin Allocation List (Harness)

Connector: 122200 P029
Item: HSFCU

Function / Bundle: FCU SMEC Launch PrSIH-XS-11

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
001	Interconnection Star Pin									Star Pin for Interconnection					1S
021	to be con to pin 001														1S
-															1S
002	Interconnection Star Pin									Star Pin for Interconnection					1S
022	to be con to pin 002														1S
-															1S
004	Interconnection Star Pin									Star Pin for Interconnection					1S
024	to be con to pin 004														1S
-															1S
005	Interconnection Star Pin									Star Pin for Interconnection					1S
025	to be con to pin 005														1S
-															1S
-	16 pins are NC									The following Pins are NC :					
-	-									;007 ;008 ;009 ;010 ;011 ;012 ;019 ;026 ;027 ;028 ;029 ;030 ;031 ;033 ;035 ;037					

Pin Allocation List (Harness)

Connector: 312300 P001
Item: HSSVMCB3

Function / Bundle: Launch Latch I/F A

Conn.-Type: SCC3401-04401B06G-10-35SB
Backshell: 380 FS 007 M 10 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
011	SPIRE BSMLchLtchConf(N) . 1		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P004	108	1S 1S
001	SPIRE BSMLchLtchConf(N) . 2		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P004	116	1S 1S
002	SPIRE BSMLchLtchConf(N) . SHD30		SBE.S -		S261	TS2CC-28	30		CS-S261		HSSVMCB3	27	312300 P004	107	1S 1S
-															1S
012	SPIRE SMECLLtch#1Conf(N) . 1+		SME.S -		S265	TS2CC-28	31				HSSVMCB3	27	312300 P004	117	1S 1S
004	SPIRE SMECLLtch#1Conf(N) . 1-		SME.S -		S265	TS2CC-28	31				HSSVMCB3	27	312300 P004	118	1S 1S
005	SPIRE SMECLLtch#1Conf(N) . SHD31		SME.S -		S265	TS2CC-28	31		CS-S265		HSSVMCB3	27	312300 P004	109	1S 1S
-															
013	SPIRE SMECLLtch#2Conf(N) . 2+		SME.S -		S266	TS2CC-28	32				HSSVMCB3	27	312300 P004	111	1S 1S
008	SPIRE SMECLLtch#2Conf(N) . 2-		SME.S -		S266	TS2CC-28	32				HSSVMCB3	27	312300 P004	119	1S 1S
009	SPIRE SMECLLtch#2Conf(N) . SHD32		SME.S -		S266	TS2CC-28	32		CS-S266		HSSVMCB3	27	312300 P004	110	1S 1S
-															
CH	to be con to Overall Shield														1S
-															1S
002	Interconnection Star Pin								Star Pin for Interconnection						1S
003	to be con to pin 002														1S
-															1S
005	Interconnection Star Pin								Star Pin for Interconnection						1S
006	to be con to pin 005														1S
007	to be con to pin 005														1S
-															1S
009	Interconnection Star Pin								Star Pin for Interconnection						1S
010	to be con to pin 009														1S

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Pin Allocation List

(Harness)

Connector: 312300 P005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
006	SPIRE SorptPumpHtr(R) . I+A		S3F.S -		S292	T04C0-28					HSFCU	17	122200 P012	001	1S
013	SPIRE SorptPumpHtr(R) . I+B		S3F.S -		S292	T04C0-28					HSFCU	17	122200 P012	002	
005	SPIRE SorptPumpHtr(R) . I-A		S3F.S -		S292	T04C0-28					HSFCU	17	122200 P012	014	
012	SPIRE SorptPumpHtr(R) . I-B		S3F.S -		S292	T04C0-28					HSFCU	17	122200 P012	015	1S
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.S -		S293	T04C0-28					HSFCU	17	122200 P012	003	1S
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.S -		S293	T04C0-28					HSFCU	17	122200 P012	004	
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.S -		S293	T04C0-28					HSFCU	17	122200 P012	016	
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.S -		S293	T04C0-28					HSFCU	17	122200 P012	017	1S
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.S -		S294	T04C0-28					HSFCU	17	122200 P012	005	1S
056	SPIRE EvaporSwHtr(R) . I+B		S3F.S -		S294	T04C0-28					HSFCU	17	122200 P012	006	
043	SPIRE EvaporSwHtr(R) . I-A		S3F.S -		S294	T04C0-28					HSFCU	17	122200 P012	018	
044	SPIRE EvaporSwHtr(R) . I-B		S3F.S -		S294	T04C0-28					HSFCU	17	122200 P012	019	1S
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.S -		S298	T04C0-28					HSFCU	17	122200 P012	007	1S
024	SPIRE Spectr4%Heater (R) . I+B		SCB.S -		S298	T04C0-28					HSFCU	17	122200 P012	008	
034	SPIRE Spectr4%Heater (R) . I-A		SCB.S -		S298	T04C0-28					HSFCU	17	122200 P012	020	
023	SPIRE Spectr4%Heater (R) . I-B		SCB.S -		S298	T04C0-28					HSFCU	17	122200 P012	021	1S
-															
046	SPIRE Spectr2%Heater (R) . I+A		SCB.S -		S299	T04C0-28					HSFCU	17	122200 P012	009	1S
058	SPIRE Spectr2%Heater (R) . I+B		SCB.S -		S299	T04C0-28					HSFCU	17	122200 P012	010	
045	SPIRE Spectr2%Heater (R) . I-A		SCB.S -		S299	T04C0-28					HSFCU	17	122200 P012	022	
057	SPIRE Spectr2%Heater (R) . I-B		SCB.S -		S299	T04C0-28					HSFCU	17	122200 P012	023	1S
-															
079	SPIRE PTC Htr(R) . I+A		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	011	1S 1S
078	SPIRE PTC Htr(R) . I+B		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	012	1S 1S
068	SPIRE PTC Htr(R) . I-A		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	024	1S 1S
067	SPIRE PTC Htr(R) . I-B		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	025	1S 1S
090	SPIRE PTC Htr(R) . SHD01		STB.S -		S312	TS4CC-28	1		CS-S312		HSFCU	17	122200 P012	013	1S 1S
-															
077	SPIRE EvaporatorTemp(R) . I+		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	001	1S
076	SPIRE EvaporatorTemp(R) . I-		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	002	1S 1S
066	SPIRE EvaporatorTemp(R) . V+		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	018	1S

Pin Allocation List

(Harness)

Connector: 312300 P005**Function / Bundle:** SPIRE SVM CB3 SIH-XS-12**Conn.-Type:** SCC340104401B06G2435SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
065	SPIRE EvaporatorTemp(R) . V-		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	035	1S
054	SPIRE EvaporatorTemp(R) . SHD02		S3E.S -		S288	TS4CC-28	2		CS-S288		HSFCU	17	122200 P024	034	1S 1S
-															
029	SPIRE SorptPumpTemp(R) . I+		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	003	1S 1S
030	SPIRE SorptPumpTemp(R) . I-		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	019	1S 1S
041	SPIRE SorptPumpTemp(R) . V+		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	020	1S 1S
042	SPIRE SorptPumpTemp(R) . V-		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	036	1S 1S
031	SPIRE SorptPumpTemp(R) . SHD03		S3E.S -		S287	TS4CC-28	3		CS-S287		HSFCU	17	122200 P024	038	1S 1S
-															
053	SPIRE SorptPumpSwTemp(R) . I+		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	004	1S 1S
052	SPIRE SorptPumpSwTemp(R) . I-		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	005	1S 1S
064	SPIRE SorptPumpSwTemp(R) . V+		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	021	1S 1S
063	SPIRE SorptPumpSwTemp(R) . V-		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	037	1S 1S
075	SPIRE SorptPumpSwTemp(R) . SHD04		S3E.S -		S289	TS4CC-28	4		CS-S289		HSFCU	17	122200 P024	038	1S 1S
-															
050	SPIRE EvaporSwTemp(R) . I+		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	006	1S 1S
061	SPIRE EvaporSwTemp(R) . I-		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	022	1S 1S
062	SPIRE EvaporSwTemp(R) . V+		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	023	1S 1S
051	SPIRE EvaporSwTemp(R) . V-		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	039	1S 1S
039	SPIRE EvaporSwTemp(R) . SHD05		S3E.S -		S290	TS4CC-28	5		CS-S290		HSFCU	17	122200 P024	038	1S 1S
-															
011	SPIRE ThermShuntTemp(R) . I+A		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	007	1S 1S
010	SPIRE ThermShuntTemp(R) . I-B		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	008	1S 1S
019	SPIRE ThermShuntTemp(R) . V+B		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	024	1S 1S
018	SPIRE ThermShuntTemp(R) . V-A		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	040	1S 1S
020	SPIRE ThermShuntTemp(R) . SHD06		S3E.S -		S291	TS4CC-28	6		CS-S291		HSFCU	17	122200 P024	038	1S 1S
-															
089	SPIRE FilterTemp(R) . I+		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	009	1S 1S
088	SPIRE FilterTemp(R) . I-		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	025	1S 1S
100	SPIRE FilterTemp(R) . V+		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	026	1S 1S
099	SPIRE FilterTemp(R) . V-		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	042	1S 1S
101	SPIRE FilterTemp(R) . SHD07		STA.S -		S306	TS4CC-28	7		CS-S306		HSFCU	17	122200 P024	043	1S 1S
-															
118	SPIRE SpectDetBoxTemp(R) . I+		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	010	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
119	SPIRE SpectDetBoxTemp(R) . I-		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	011	1S 1S
125	SPIRE SpectDetBoxTemp(R) . V+		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	027	1S 1S
126	SPIRE SpectDetBoxTemp(R) . V-		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	044	1S 1S
110	SPIRE SpectDetBoxTemp(R) . SHD08		STA.S -		S307	TS4CC-28	8			CS-S307	HSFCU	17	122200 P024	043	1S 1S
-															
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	012	1S 1S
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	028	1S 1S
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	029	1S 1S
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	045	1S 1S
108	SPIRE PhotomDetBoxTmp(R) . SHD09		STA.S -		S308	TS4CC-28	9			CS-S308	HSFCU	17	122200 P024	046	1S 1S
-															
106	SPIRE OptSubbenchTmp(R) . I+		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	013	1S 1S
115	SPIRE OptSubbenchTmp(R) . I-		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	014	1S 1S
107	SPIRE OptSubbenchTmp(R) . V+		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	030	1S 1S
122	SPIRE OptSubbenchTmp(R) . V-		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	047	1S 1S
105	SPIRE OptSubbenchTmp(R) . SHD10		STA.S -		S309	TS4CC-28	10			CS-S309	HSFCU	17	122200 P024	046	1S 1S
-															
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	015	1S 1S
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	031	1S 1S
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	032	1S 1S
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	048	1S 1S
109	SPIRE FPUInpBaffleTmp(R) . SHD11		STA.S -		S310	TS4CC-28	11			CS-S310	HSFCU	17	122200 P024	049	1S 1S
-															
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	016	1S 1S
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	017	1S 1S
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	033	1S 1S
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	050	1S 1S
096	SPIRE BSM/SOB I/FTmp(R) . SHD12		STA.S -		S311	TS4CC-28	12			CS-S311	HSFCU	17	122200 P024	049	1S 1S
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	001	1S 1S
104	SPIRE SpStimFlanTemp(R) . I-		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	009	1S 1S
113	SPIRE SpStimFlanTemp(R) . V+		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	002	1S 1S
103	SPIRE SpStimFlanTemp(R) . V-		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	010	1S 1S
102	SPIRE SpStimFlanTemp(R) . SHD13		SCA.S -		S297	TS4CC-28	13			CS-S297	HSFCU	17	122200 P026	003	1S 1S

Pin Allocation List (Harness)

Connector: 312300 P005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
111	SPIRE Spectr4%Temp (R) . I+		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	004	1S 1S
112	SPIRE Spectr4%Temp (R) . I-		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	011	1S 1S
120	SPIRE Spectr4%Temp (R) . V+		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	005	1S 1S
128	SPIRE Spectr4%Temp (R) . V-		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	012	1S 1S
121	SPIRE Spectr4%Temp (R) . SHD14		SCA.S -		S295	TS4CC-28	14		CS-S295		HSFCU	17	122200 P026	013	1S 1S
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	006	1S 1S
080	SPIRE Spectr2%Temp (R) . I-		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	014	1S 1S
092	SPIRE Spectr2%Temp (R) . V+		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	007	1S 1S
081	SPIRE Spectr2%Temp (R) . V-		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	015	1S 1S
093	SPIRE Spectr2%Temp (R) . SHD15		SCA.S -		S296	TS4CC-28	15		CS-S296		HSFCU	17	122200 P026	013	1S 1S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
002	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
003	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
004	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
007	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
014	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
015	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
025	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
036	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
059	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
127	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S
-															1S

Pin Allocation List (Harness)

Connector: 312300 P005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															1S
-	17 pins are NC									The following Pins are NC :					
-	-									;009 ;016 ;017 ;026 ;027 ;028 ;037 ;038 ;040 ;048 ;049 ;060 ;069 ;071 ;072 ;083 ;095					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 122200 P012**Function / Bundle:** FCU Heater SIH-XS-12**Conn.-Type:** SCC340100201BDBMA25PNMBFO**Item:** HSFCU**Backshell:** CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SorptPumpHtr(R) . I+A		S3F.S -		S292	T04C0-28					HSSVMCB3	27	312300 P005	006	1S
002	SPIRE SorptPumpHtr(R) . I+B		S3F.S -		S292	T04C0-28					HSSVMCB3	27	312300 P005	013	
014	SPIRE SorptPumpHtr(R) . I-A		S3F.S -		S292	T04C0-28					HSSVMCB3	27	312300 P005	005	
015	SPIRE SorptPumpHtr(R) . I-B		S3F.S -		S292	T04C0-28			CS-S292		HSSVMCB3	27	312300 P005	012	1S
-															
003	SPIRE SorptPumpSwHtr(R) . I+A		S3F.S -		S293	T04C0-28					HSSVMCB3	27	312300 P005	022	1S
004	SPIRE SorptPumpSwHtr(R) . I+B		S3F.S -		S293	T04C0-28					HSSVMCB3	27	312300 P005	033	
016	SPIRE SorptPumpSwHtr(R) . I-A		S3F.S -		S293	T04C0-28					HSSVMCB3	27	312300 P005	021	
017	SPIRE SorptPumpSwHtr(R) . I-B		S3F.S -		S293	T04C0-28			CS-S293		HSSVMCB3	27	312300 P005	032	1S
-															
005	SPIRE EvaporSwHtr(R) . I+A		S3F.S -		S294	T04C0-28					HSSVMCB3	27	312300 P005	055	1S
006	SPIRE EvaporSwHtr(R) . I+B		S3F.S -		S294	T04C0-28					HSSVMCB3	27	312300 P005	056	
018	SPIRE EvaporSwHtr(R) . I-A		S3F.S -		S294	T04C0-28					HSSVMCB3	27	312300 P005	043	
019	SPIRE EvaporSwHtr(R) . I-B		S3F.S -		S294	T04C0-28			CS-S294		HSSVMCB3	27	312300 P005	044	1S
-															
007	SPIRE Spectr4%Heater (R) . I+A		SCB.S -		S298	T04C0-28					HSSVMCB3	27	312300 P005	035	1S
008	SPIRE Spectr4%Heater (R) . I+B		SCB.S -		S298	T04C0-28					HSSVMCB3	27	312300 P005	024	
020	SPIRE Spectr4%Heater (R) . I-A		SCB.S -		S298	T04C0-28					HSSVMCB3	27	312300 P005	034	
021	SPIRE Spectr4%Heater (R) . I-B		SCB.S -		S298	T04C0-28			CS-S298		HSSVMCB3	27	312300 P005	023	1S
-															
009	SPIRE Spectr2%Heater (R) . I+A		SCB.S -		S299	T04C0-28					HSSVMCB3	27	312300 P005	046	1S
010	SPIRE Spectr2%Heater (R) . I+B		SCB.S -		S299	T04C0-28					HSSVMCB3	27	312300 P005	058	
022	SPIRE Spectr2%Heater (R) . I-A		SCB.S -		S299	T04C0-28					HSSVMCB3	27	312300 P005	045	
023	SPIRE Spectr2%Heater (R) . I-B		SCB.S -		S299	T04C0-28			CS-S299		HSSVMCB3	27	312300 P005	057	1S
-															
011	SPIRE PTC Htr(R) . I+A		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	079	1S 1S
012	SPIRE PTC Htr(R) . I+B		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	078	1S 1S
024	SPIRE PTC Htr(R) . I-A		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	068	1S 1S
025	SPIRE PTC Htr(R) . I-B		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	067	1S 1S
013	SPIRE PTC Htr(R) . SHD01		STB.S -		S312	TS4CC-28	1		CS-S312		HSSVMCB3	27	312300 P005	090	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)		-						removable short pigtail to CH / Insulation required between IOS and OOS						1S

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016
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Connector: 122200 P012
Item: HSFCU

Function / Bundle: FCU Heater SIH-XS-12

Conn.-Type: SCC340100201BDBMA25PNMBFO
Backshell: CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S

Pin Allocation List

(Harness)

Connector: 122200 P024
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-12

Conn.-Type: DDMA-50P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE EvaporatorTemp(R) . I+	S3E.S	-		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	077	1S
002	SPIRE EvaporatorTemp(R) . I-	S3E.S	-		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	076	1S 1S
018	SPIRE EvaporatorTemp(R) . V+	S3E.S	-		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	066	1S
035	SPIRE EvaporatorTemp(R) . V-	S3E.S	-		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	065	1S
034	SPIRE EvaporatorTemp(R) . SHD02	S3E.S	-		S288	TS4CC-28	2			CS-S288	HSSVMCB3	27	312300 P005	054	1S 1S
-															
003	SPIRE SorptPumpTemp(R) . I+	S3E.S	-		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	029	1S 1S
019	SPIRE SorptPumpTemp(R) . I-	S3E.S	-		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	030	1S 1S
020	SPIRE SorptPumpTemp(R) . V+	S3E.S	-		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	041	1S 1S
036	SPIRE SorptPumpTemp(R) . V-	S3E.S	-		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	042	1S 1S
038	SPIRE SorptPumpTemp(R) . SHD03	S3E.S	-		S287	TS4CC-28	3			CS-S287	HSSVMCB3	27	312300 P005	031	1S 1S
-															
004	SPIRE SorptPumpSwTemp(R) . I+	S3E.S	-		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	053	1S 1S
005	SPIRE SorptPumpSwTemp(R) . I-	S3E.S	-		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	052	1S 1S
021	SPIRE SorptPumpSwTemp(R) . V+	S3E.S	-		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	064	1S 1S
037	SPIRE SorptPumpSwTemp(R) . V-	S3E.S	-		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	063	1S 1S
038	SPIRE SorptPumpSwTemp(R) . SHD04	S3E.S	-		S289	TS4CC-28	4			CS-S289	HSSVMCB3	27	312300 P005	075	1S 1S
-															
006	SPIRE EvaporSwTemp(R) . I+	S3E.S	-		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	050	1S 1S
022	SPIRE EvaporSwTemp(R) . I-	S3E.S	-		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	061	1S 1S
023	SPIRE EvaporSwTemp(R) . V+	S3E.S	-		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	062	1S 1S
039	SPIRE EvaporSwTemp(R) . V-	S3E.S	-		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	051	1S 1S
038	SPIRE EvaporSwTemp(R) . SHD05	S3E.S	-		S290	TS4CC-28	5			CS-S290	HSSVMCB3	27	312300 P005	039	1S 1S
-															
007	SPIRE ThermShuntTemp(R) . I+A	S3E.S	-		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	011	1S 1S
008	SPIRE ThermShuntTemp(R) . I-B	S3E.S	-		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	010	1S 1S
024	SPIRE ThermShuntTemp(R) . V+B	S3E.S	-		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	019	1S 1S
040	SPIRE ThermShuntTemp(R) . V-A	S3E.S	-		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	018	1S 1S
038	SPIRE ThermShuntTemp(R) . SHD06	S3E.S	-		S291	TS4CC-28	6			CS-S291	HSSVMCB3	27	312300 P005	020	1S 1S
-															
009	SPIRE FilterTemp(R) . I+	STA.S	-		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	089	1S 1S
025	SPIRE FilterTemp(R) . I-	STA.S	-		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	088	1S 1S
026	SPIRE FilterTemp(R) . V+	STA.S	-		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	100	1S 1S
042	SPIRE FilterTemp(R) . V-	STA.S	-		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	099	1S 1S

Pin Allocation List

(Harness)

Connector: 122200 P024
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-12

Conn.-Type: DDMA-50P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed	
		Circuit	Signal	Pos.											1S	1S
043	SPIRE FilterTemp(R) . SHD07		STA.S -		S306	TS4CC-28	7			CS-S306	HSSVMCB3	27	312300 P005	101	1S	1S
-																
010	SPIRE SpectDetBoxTemp(R) . I+		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	118	1S	1S
011	SPIRE SpectDetBoxTemp(R) . I-		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	119	1S	1S
027	SPIRE SpectDetBoxTemp(R) . V+		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	125	1S	1S
044	SPIRE SpectDetBoxTemp(R) . V-		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	126	1S	1S
043	SPIRE SpectDetBoxTemp(R) . SHD08		STA.S -		S307	TS4CC-28	8			CS-S307	HSSVMCB3	27	312300 P005	110	1S	1S
-																
012	SPIRE PhotomDetBoxTmp(R) . I+		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	123	1S	1S
028	SPIRE PhotomDetBoxTmp(R) . I-		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	124	1S	1S
029	SPIRE PhotomDetBoxTmp(R) . V+		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	116	1S	1S
045	SPIRE PhotomDetBoxTmp(R) . V-		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	117	1S	1S
046	SPIRE PhotomDetBoxTmp(R) . SHD09		STA.S -		S308	TS4CC-28	9			CS-S308	HSSVMCB3	27	312300 P005	108	1S	1S
-																
013	SPIRE OptSubbenchTmp(R) . I+		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	106	1S	1S
014	SPIRE OptSubbenchTmp(R) . I-		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	115	1S	1S
030	SPIRE OptSubbenchTmp(R) . V+		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	107	1S	1S
047	SPIRE OptSubbenchTmp(R) . V-		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	122	1S	1S
046	SPIRE OptSubbenchTmp(R) . SHD10		STA.S -		S309	TS4CC-28	10			CS-S309	HSSVMCB3	27	312300 P005	105	1S	1S
-																
015	SPIRE FPUInpBaffleTmp(R) . I+		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	097	1S	1S
031	SPIRE FPUInpBaffleTmp(R) . I-		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	098	1S	1S
032	SPIRE FPUInpBaffleTmp(R) . V+		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	086	1S	1S
048	SPIRE FPUInpBaffleTmp(R) . V-		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	087	1S	1S
049	SPIRE FPUInpBaffleTmp(R) . SHD11		STA.S -		S310	TS4CC-28	11			CS-S310	HSSVMCB3	27	312300 P005	109	1S	1S
-																
016	SPIRE BSM/SOB I/FTmp(R) . I+		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	073	1S	1S
017	SPIRE BSM/SOB I/FTmp(R) . I-		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	084	1S	1S
033	SPIRE BSM/SOB I/FTmp(R) . V+		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	074	1S	1S
050	SPIRE BSM/SOB I/FTmp(R) . V-		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	085	1S	1S
049	SPIRE BSM/SOB I/FTmp(R) . SHD12		STA.S -		S311	TS4CC-28	12			CS-S311	HSSVMCB3	27	312300 P005	096	1S	1S
-																

Pin Allocation List (Harness)

Connector: 122200 P024
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-12

Conn.-Type: DDMA-50P-NMB-FO
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;041					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122200 P026**Function / Bundle:** FCU Thermometry Tail B SIH-XS-12**Conn.-Type:** SCC340100201BDAMA15PNMBFO**Item:** HSFCU**Backshell:** CA-58-15

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SpStimFlanTemp(R) . I+	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	114	1S 1S
009	SPIRE SpStimFlanTemp(R) . I-	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	104	1S 1S
002	SPIRE SpStimFlanTemp(R) . V+	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	113	1S 1S
010	SPIRE SpStimFlanTemp(R) . V-	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	103	1S 1S
003	SPIRE SpStimFlanTemp(R) . SHD13	SCA.S	-		S297	TS4CC-28	13			CS-S297	HSSVMCB3	27	312300 P005	102	1S 1S
-															
004	SPIRE Spectr4%Temp (R) . I+	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	111	1S 1S
011	SPIRE Spectr4%Temp (R) . I-	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	112	1S 1S
005	SPIRE Spectr4%Temp (R) . V+	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	120	1S 1S
012	SPIRE Spectr4%Temp (R) . V-	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	128	1S 1S
013	SPIRE Spectr4%Temp (R) . SHD14	SCA.S	-		S295	TS4CC-28	14			CS-S295	HSSVMCB3	27	312300 P005	121	1S 1S
-															
006	SPIRE Spectr2%Temp (R) . I+	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	091	1S 1S
014	SPIRE Spectr2%Temp (R) . I-	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	080	1S 1S
007	SPIRE Spectr2%Temp (R) . V+	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	092	1S 1S
015	SPIRE Spectr2%Temp (R) . V-	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	081	1S 1S
013	SPIRE Spectr2%Temp (R) . SHD15	SCA.S	-		S296	TS4CC-28	15			CS-S296	HSSVMCB3	27	312300 P005	093	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)									removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
-	1 pin is NC									The following Pin is NC :					1S
-	-									;008					

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
086	SPIRE BSMTemp(R) . I+	SBC.S	-		S317	TS4CC-28	1				HSFCU	17	122200 P022	001	1S 1S
087	SPIRE BSMTemp(R) . I-	SBC.S	-		S317	TS4CC-28	1				HSFCU	17	122200 P022	002	1S 1S
097	SPIRE BSMTemp(R) . V+	SBC.S	-		S317	TS4CC-28	1				HSFCU	17	122200 P022	009	1S 1S
098	SPIRE BSMTemp(R) . V-	SBC.S	-		S317	TS4CC-28	1				HSFCU	17	122200 P022	010	1S 1S
075	SPIRE BSMTemp(R) . SHD01	SBC.S	-		S317	TS4CC-28	1		CS-S317		HSFCU	17	122200 P022	003	1S 1S
-															
088	SPIRE SMECTemp(R) . I+	SMC.S	-		S329	TS4CC-28	2				HSFCU	17	122200 P022	004	1S 1S
089	SPIRE SMECTemp(R) . I-	SMC.S	-		S329	TS4CC-28	2				HSFCU	17	122200 P022	005	1S 1S
099	SPIRE SMECTemp(R) . V+	SMC.S	-		S329	TS4CC-28	2				HSFCU	17	122200 P022	011	1S 1S
100	SPIRE SMECTemp(R) . V-	SMC.S	-		S329	TS4CC-28	2				HSFCU	17	122200 P022	012	1S 1S
077	SPIRE SMECTemp(R) . SHD02	SMC.S	-		S329	TS4CC-28	2		CS-S329		HSFCU	17	122200 P022	013	1S 1S
-															
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+	SMC.S	-		S330	TS4CC-28	3				HSFCU	17	122200 P022	006	1S 1S
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-	SMC.S	-		S330	TS4CC-28	3				HSFCU	17	122200 P022	007	1S 1S
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+	SMC.S	-		S330	TS4CC-28	3				HSFCU	17	122200 P022	014	1S 1S
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-	SMC.S	-		S330	TS4CC-28	3				HSFCU	17	122200 P022	015	1S 1S
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD03	SMC.S	-		S330	TS4CC-28	3		CS-S330		HSFCU	17	122200 P022	008	1S 1S
-															
012	SPIRE SMEC Drv Coil (R) . I+	SMD.S	-		S334	TS2CC-28	4				HSFCU	17	122200 P018	001	1S 1S
005	SPIRE SMEC Drv Coil (R) . I-	SMD.S	-		S334	TS2CC-28	4				HSFCU	17	122200 P018	002	1S 1S
013	SPIRE SMEC Drv Coil (R) . SHD04	SMD.S	-		S334	TS2CC-28	4		CS-S334		HSFCU	17	122200 P018	020	1S 1S
-															
022	SPIRE SMEC Drv Coil (Rob) (R) . I+	SMD.S	-		S335	TS2CC-28	5				HSFCU	17	122200 P018	021	1S 1S
007	SPIRE SMEC Drv Coil (Rob) (R) . I-	SMD.S	-		S335	TS2CC-28	5				HSFCU	17	122200 P018	022	1S 1S
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD05	SMD.S	-		S335	TS2CC-28	5		CS-S335		HSFCU	17	122200 P018	003	1S 1S
-															
014	SPIRE SMEC Drv Sense (R) . Sen+	SMG.S	-		S336	TS2CC-28	6				HSFCU	17	122200 P018	004	1S 1S
024	SPIRE SMEC Drv Sense (R) . Sen-	SMG.S	-		S336	TS2CC-28	6				HSFCU	17	122200 P018	005	1S 1S
023	SPIRE SMEC Drv Sense (R) . SHD06	SMG.S	-		S336	TS2CC-28	6		CS-S336		HSFCU	17	122200 P018	023	1S 1S
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S	SMH.S	-		S337	TS2CC-28	7				HSFCU	17	122200 P018	007	1S 1S
002	SPIRE SMEC PosSeLEDpwr(R) . R	SMH.S	-		S337	TS2CC-28	7				HSFCU	17	122200 P018	008	1S 1S
003	SPIRE SMEC PosSeLEDpwr(R) . SHD07	SMH.S	-		S337	TS2CC-28	7		CS-S337		HSFCU	17	122200 P018	026	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
011	SPIRE SMEC PosSensPwr(R) . S		SMH.S -		S338	TS2CC-28	8				HSFCU	17	122200 P018	027	1S 1S
004	SPIRE SMEC PosSensPwr(R) . R		SMH.S -		S338	TS2CC-28	8				HSFCU	17	122200 P018	028	1S 1S
010	SPIRE SMEC PosSensPwr(R) . SHD08		SMH.S -		S338	TS2CC-28	8		CS-S338		HSFCU	17	122200 P018	009	1S 1S
-															
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.S -		S339	TS2CC-28	9				HSFCU	17	122200 P018	010	1S 1S
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.S -		S339	TS2CC-28	9				HSFCU	17	122200 P018	011	1S 1S
029	SPIRE SMEC PosPhDi#1(R) . SHD09		SMJ.S -		S339	TS2CC-28	9		CS-S339		HSFCU	17	122200 P018	029	1S 1S
-															1S
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.S -		S340	TS2CC-28	10				HSFCU	17	122200 P018	030	1S 1S
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.S -		S340	TS2CC-28	10				HSFCU	17	122200 P018	031	1S 1S
044	SPIRE SMEC PosPhDi#1FB(R) . SHD10		SMK.S -		S340	TS2CC-28	10		CS-S340		HSFCU	17	122200 P018	012	1S 1S
-															1S
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.S -		S341	TS2CC-28	11				HSFCU	17	122200 P018	013	1S 1S
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.S -		S341	TS2CC-28	11				HSFCU	17	122200 P018	014	1S 1S
030	SPIRE SMEC PosPhDi#2(R) . SHD11		SMJ.S -		S341	TS2CC-28	11		CS-S341 / star pin for shield interconnection		HSFCU	17	122200 P018	032	1S 1S
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.S -		S342	TS2CC-28	12				HSFCU	17	122200 P018	033	1S 1S
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.S -		S342	TS2CC-28	12				HSFCU	17	122200 P018	034	1S 1S
045	SPIRE SMEC PosPhDi#2FB(R) . SHD12		SMK.S -		S342	TS2CC-28	12		CS-S342 / star pin for shield interconnection		HSFCU	17	122200 P018	015	1S 1S
-															
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.S -		S343	TS2CC-28	13				HSFCU	17	122200 P018	016	1S 1S
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.S -		S343	TS2CC-28	13				HSFCU	17	122200 P018	017	1S 1S
031	SPIRE SMEC PosPhDi#3(R) . SHD13		SMJ.S -		S343	TS2CC-28	13		CS-S343		HSFCU	17	122200 P018	035	1S 1S
031	to be con to pin 030								shield interconnection						1S
-															1S
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.S -		S344	TS2CC-28	14				HSFCU	17	122200 P018	036	1S 1S
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.S -		S344	TS2CC-28	14				HSFCU	17	122200 P018	037	1S 1S
046	SPIRE SMEC PosPhDi#3FB(R) . SHD14		SMK.S -		S344	TS2CC-28	14		CS-S344		HSFCU	17	122200 P018	018	1S 1S
046	to be con to pin 045								shield interconnection						1S
-															1S
048	SPIRE P-Cal Htr (R) . I+A		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	002	1S 1S
071	SPIRE P-Cal Htr (R) . I+B		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	003	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
060	SPIRE P-Cal Htr (R) . I-A		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	007	1S 1S
059	SPIRE P-Cal Htr (R) . I-B		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	008	1S 1S
036	SPIRE P-Cal Htr (R) . SHD15		SBD.S -		S318	TS4CC-28	15		CS-S318		HSFCU	17	122200 P014	004	1S 1S
-															
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.S -		S325	TS2CC-28	16				HSFCU	17	122200 P030	001	1S 1S
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.S -		S325	TS2CC-28	16				HSFCU	17	122200 P030	002	1S 1S
078	SPIRE SMECLL#1Pwr1/A(R) . SHD16		SMF.S -		S325	TS2CC-28	16		CS-S325		HSFCU	17	122200 P030	020	1S 1S
078	to be con to pin 080								shield interconnection						1S
-															1S
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.S -		S326	TS2CC-28	17				HSFCU	17	122200 P030	021	1S 1S
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.S -		S326	TS2CC-28	17				HSFCU	17	122200 P030	022	1S 1S
080	SPIRE SMECLL#1Pwr2/B(R) . SHD17		SMF.S -		S326	TS2CC-28	17		CS-S326 / star pin for shield interconnection		HSFCU	17	122200 P030	003	1S 1S
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.S -		S327	TS2CC-28	18				HSFCU	17	122200 P030	004	1S 1S
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.S -		S327	TS2CC-28	18				HSFCU	17	122200 P030	005	1S 1S
079	SPIRE SMECLL#2Pwr1/A(R) . SHD18		SMF.S -		S327	TS2CC-28	18		CS-S327		HSFCU	17	122200 P030	023	1S 1S
079	to be con to pin 080								shield interconnection						1S
-															1S
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.S -		S328	TS2CC-28	19				HSFCU	17	122200 P030	024	1S 1S
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.S -		S328	TS2CC-28	19				HSFCU	17	122200 P030	025	1S 1S
081	SPIRE SMECLL#2Pwr2/B(R) . SHD19		SMF.S -		S328	TS2CC-28	19		CS-S328		HSFCU	17	122200 P030	006	1S 1S
081	to be con to pin 080								shield interconnection						1S
-															1S
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.S -		S331	TS2CC-28	20				HSFCU	17	122200 P030	013	1S 1S
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.S -		S331	TS2CC-28	20				HSFCU	17	122200 P030	014	1S 1S
112	SPIRE SMECLVDTPriCIPw(R) . SHD20		SMA.S -		S331	TS2CC-28	20		CS-S331		HSFCU	17	122200 P030	032	1S 1S
112	to be con to pin 128								shield interconnection						1S
-															1S
127	SPIRE SMECLVDTSC#1Sg(R) . P		SMB.S -		S332	TS2CC-28	21				HSFCU	17	122200 P030	015	1S 1S
120	SPIRE SMECLVDTSC#1Sg(R) . N		SMB.S -		S332	TS2CC-28	21				HSFCU	17	122200 P030	016	1S 1S
128	SPIRE SMECLVDTSC#1Sg(R) . SHD21		SMB.S -		S332	TS2CC-28	21		CS-S332 / star pin for shield interconnection		HSFCU	17	122200 P030	034	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.S -		S333	TS2CC-28	22				HSFCU	17	122200 P030	017	1S 1S
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.S -		S333	TS2CC-28	22				HSFCU	17	122200 P030	018	1S 1S
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD22		SMB.S -		S333	TS2CC-28	22		CS-S333		HSFCU	17	122200 P030	036	1S 1S
121	to be con to pin 128								shield interconnection						1S
-															
051	SPIRE ChopSensor1&2(R) . 1		SBA.S -		S313	TS2CC-28	23				HSFCU	17	122200 P020	001	1S 1S
040	SPIRE ChopSensor1&2(R) . 2		SBA.S -		S313	TS2CC-28	23				HSFCU	17	122200 P020	020	1S 1S
039	SPIRE ChopSensor1&2(R) . SHD23		SBA.S -		S313	TS2CC-28	23		CS-S313		HSFCU	17	122200 P020	022	1S 1S
039	to be con to pin 027								shield interconnection						1S
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	002	1S 1S
017	SPIRE ChopSensor3-5(R) . 4		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	021	1S 1S
016	SPIRE ChopSensor3-5(R) . 5		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	003	1S 1S
027	SPIRE ChopSensor3-5(R) . SHD24		SBB.S -		S314	TS3CC-28	24		CS-S314 / star pin for shield interconnection		HSFCU	17	122200 P020	022	1S 1S
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.S -		S315	TS2CC-28	25				HSFCU	17	122200 P020	004	1S 1S
050	SPIRE JiggleSensor1&2(R) . 2		SBA.S -		S315	TS2CC-28	25				HSFCU	17	122200 P020	023	1S 1S
038	SPIRE JiggleSensor1&2(R) . SHD25		SBA.S -		S315	TS2CC-28	25		CS-S315		HSFCU	17	122200 P020	022	1S 1S
038	to be con to pin 027								shield interconnection						1S
-															1S
015	SPIRE JiggleSensor3-5(R) . 3		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	005	1S 1S
025	SPIRE JiggleSensor3-5(R) . 4		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	024	1S 1S
037	SPIRE JiggleSensor3-5(R) . 5		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	006	1S 1S
026	SPIRE JiggleSensor3-5(R) . SHD26		SBB.S -		S316	TS3CC-28	26		CS-S316		HSFCU	17	122200 P020	025	1S 1S
026	to be con to pin 027								shield interconnection						1S
-															1S
105	SPIRE BSMLatchDrive(R) . SUP		SBF.S -		S320	TS2CC-28	27				HSFCU	17	122200 P020	013	1S 1S
115	SPIRE BSMLatchDrive(R) . RTN		SBF.S -		S320	TS2CC-28	27				HSFCU	17	122200 P020	014	1S 1S
106	SPIRE BSMLatchDrive(R) . SHD27		SBF.S -		S320	TS2CC-28	27		CS-S320		HSFCU	17	122200 P020	033	1S 1S
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	015	1S 1S
061	SPIRE ChopMotDrive(R) . 2		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	034	1S 1S
062	SPIRE ChopMotDrive(R) . 3		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	016	1S 1S

Pin Allocation List

(Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
074	SPIRE ChopMotDrive(R) . 4		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	035	1S 1S
073	SPIRE ChopMotDrive(R) . SHD28		SBG.S -		S321	TS4CC-28	28		CS-S321 / con to pin 084		HSFCU	17	122200 P020	017	1S 1S
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	036	1S 1S
095	SPIRE JiggleMotDrive(R) . 2		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	018	1S 1S
096	SPIRE JiggleMotDrive(R) . 3		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	037	1S 1S
085	SPIRE JiggleMotDrive(R) . 4		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	019	1S 1S
084	SPIRE JiggleMotDrive(R) . SHD29		SBG.S -		S322	TS4CC-28	29		CS-S322		HSFCU	17	122200 P020	017	1S 1S
084	to be con to pin 073								shield interconnection						1S
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P002	011	1S 1S
116	SPIRE BSMLchLtchConf(R) . 2		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P002	001	1S 1S
107	SPIRE BSMLchLtchConf(R) . SHD30		SBE.S -		S319	TS2CC-28	30		CS-S319		HSSVMCB3	27	312300 P002	002	1S 1S
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P002	012	1S 1S
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P002	004	1S 1S
109	SPIRE SMECLLtch#1Conf(R) . SHD31		SME.S -		S323	TS2CC-28	31		CS-S323 / con to pin 110		HSSVMCB3	27	312300 P002	005	1S 1S
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P002	013	1S 1S
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P002	008	1S 1S
110	SPIRE SMECLLtch#2Conf(R) . SHD32		SME.S -		S324	TS2CC-28	32		CS-S324		HSSVMCB3	27	312300 P002	009	1S 1S
110	to be con to pin 109								shield interconnection						1S
-															
-															1S
030	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
-															
045	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
044	to be con to pin 045														1S
-															1S
073	Interconnection Star Pin								Star Pin for Shield Interconnection						1S
-															1S

Pin Allocation List (Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
077	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
076	to be con to pin 077														1S
-															1S
080	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
029	to be con to pin 030														1S
-															1S
109	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
-															1S
112	Interconnection Star Pin									Star Pin for Shield Interconnection					1S
-															1S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
006	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
008	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
035	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
047	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
070	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
082	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
094	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
104	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
107	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
109	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
110	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
122	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
123	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
124	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
125	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
126	to be con as part of FCR									Faraday Cage Ring (FCR)					1S
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					1S

Pin Allocation List (Harness)

Connector: 312300 P003
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: SCC340104401B06G2435SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															1S
CH	to be con to Outer OverallShield (OOS)									Insulation required between IOS and OOS					1S
027	Interconnection Star Pin									Star Pin for Shield Interconnection					1S

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Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

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Pin Allocation List (Harness)

Connector: 122200 P014
Item: HSFCU

Function / Bundle: FCU Phot. Stimulus SIH-XS-13

Conn.-Type: DEMA-09P-NMB-FO
Backshell: XE-01

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
002	SPIRE P-Cal Htr (R) . I+A		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	048	1S 1S
003	SPIRE P-Cal Htr (R) . I+B		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	071	1S 1S
007	SPIRE P-Cal Htr (R) . I-A		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	060	1S 1S
008	SPIRE P-Cal Htr (R) . I-B		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	059	1S 1S
004	SPIRE P-Cal Htr (R) . SHD15		SBD.S -		S318	TS4CC-28	15			CS-S318	HSSVMCB3	27	312300 P003	036	1S 1S
-															
CH	to be connected to inner overall shield (ios)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
-															
001	NC														
005	NC														
006	NC														
009	NC														

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc. No. : HP-2-ASED-IC-0016

Issue : 2.1 Date : 03.08.2006

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Pin Allocation List

(Harness)

Connector: 122200 P018
Item: HSFCU

Function / Bundle: FCU SMEC Contr SIH-XS-13

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMEC Drv Coil (R) . I+		SMD.S -		S334	TS2CC-28	4				HSSVMCB3	27	312300 P003	012	1S 1S
001	to be connected to pin 021								pin interconnection						1S
002	SPIRE SMEC Drv Coil (R) . I-		SMD.S -		S334	TS2CC-28	4				HSSVMCB3	27	312300 P003	005	1S 1S
002	to be con to pin 022								pin interconnection						1S
020	SPIRE SMEC Drv Coil (R) . SHD04		SMD.S -		S334	TS2CC-28	4			CS-S334	HSSVMCB3	27	312300 P003	013	1S 1S
-															
021	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.S -		S335	TS2CC-28	5			con to pin 001	HSSVMCB3	27	312300 P003	022	1S 1S
022	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.S -		S335	TS2CC-28	5			con to pin 002	HSSVMCB3	27	312300 P003	007	1S 1S
003	SPIRE SMEC Drv Coil (Rob) (R) . SHD05		SMD.S -		S335	TS2CC-28	5			CS-S335	HSSVMCB3	27	312300 P003	013	1S 1S
-															
004	SPIRE SMEC Drv Sense (R) . Sen+		SMG.S -		S336	TS2CC-28	6				HSSVMCB3	27	312300 P003	014	1S 1S
005	SPIRE SMEC Drv Sense (R) . Sen-		SMG.S -		S336	TS2CC-28	6				HSSVMCB3	27	312300 P003	024	1S 1S
023	SPIRE SMEC Drv Sense (R) . SHD06		SMG.S -		S336	TS2CC-28	6			CS-S336	HSSVMCB3	27	312300 P003	023	1S 1S
-															
007	SPIRE SMEC PosSeLEDPwr(R) . S		SMH.S -		S337	TS2CC-28	7				HSSVMCB3	27	312300 P003	009	1S 1S
008	SPIRE SMEC PosSeLEDPwr(R) . R		SMH.S -		S337	TS2CC-28	7				HSSVMCB3	27	312300 P003	002	1S 1S
026	SPIRE SMEC PosSeLEDPwr(R) . SHD07		SMH.S -		S337	TS2CC-28	7			CS-S337	HSSVMCB3	27	312300 P003	003	1S 1S
-															
027	SPIRE SMEC PosSensPwr(R) . S		SMH.S -		S338	TS2CC-28	8				HSSVMCB3	27	312300 P003	011	1S 1S
028	SPIRE SMEC PosSensPwr(R) . R		SMH.S -		S338	TS2CC-28	8				HSSVMCB3	27	312300 P003	004	1S 1S
009	SPIRE SMEC PosSensPwr(R) . SHD08		SMH.S -		S338	TS2CC-28	8			CS-S338	HSSVMCB3	27	312300 P003	010	1S 1S
-															
010	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.S -		S339	TS2CC-28	9				HSSVMCB3	27	312300 P003	018	1S 1S
011	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.S -		S339	TS2CC-28	9				HSSVMCB3	27	312300 P003	019	1S 1S
029	SPIRE SMEC PosPhDi#1(R) . SHD09		SMJ.S -		S339	TS2CC-28	9			CS-S339	HSSVMCB3	27	312300 P003	029	1S 1S
-															
030	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.S -		S340	TS2CC-28	10				HSSVMCB3	27	312300 P003	056	1S 1S
031	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.S -		S340	TS2CC-28	10				HSSVMCB3	27	312300 P003	055	1S 1S
012	SPIRE SMEC PosPhDi#1FB(R) . SHD10		SMK.S -		S340	TS2CC-28	10			CS-S340	HSSVMCB3	27	312300 P003	044	1S 1S
-															
013	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.S -		S341	TS2CC-28	11				HSSVMCB3	27	312300 P003	042	1S 1S
014	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.S -		S341	TS2CC-28	11				HSSVMCB3	27	312300 P003	041	1S 1S
032	SPIRE SMEC PosPhDi#2(R) . SHD11		SMJ.S -		S341	TS2CC-28	11			CS-S341	HSSVMCB3	27	312300 P003	030	1S 1S
-															

Pin Allocation List

(Harness)

Connector: 122200 P018**Function / Bundle:** FCU SMEC Contr SIH-XS-13**Conn.-Type:** SCC340100201BDCMA37PNMBFO**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
033	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.S -		S342	TS2CC-28	12				HSSVMCB3	27	312300 P003	034	1S 1S
034	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.S -		S342	TS2CC-28	12				HSSVMCB3	27	312300 P003	033	1S 1S
015	SPIRE SMEC PosPhDi#2FB(R) . SHD12		SMK.S -		S342	TS2CC-28	12		CS-S342		HSSVMCB3	27	312300 P003	045	1S 1S
-															
016	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.S -		S343	TS2CC-28	13				HSSVMCB3	27	312300 P003	020	1S 1S
017	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.S -		S343	TS2CC-28	13				HSSVMCB3	27	312300 P003	021	1S 1S
035	SPIRE SMEC PosPhDi#3(R) . SHD13		SMJ.S -		S343	TS2CC-28	13		CS-S343		HSSVMCB3	27	312300 P003	031	1S 1S
-															
036	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.S -		S344	TS2CC-28	14				HSSVMCB3	27	312300 P003	058	1S 1S
037	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.S -		S344	TS2CC-28	14				HSSVMCB3	27	312300 P003	057	1S 1S
018	SPIRE SMEC PosPhDi#3FB(R) . SHD14		SMK.S -		S344	TS2CC-28	14		CS-S344		HSSVMCB3	27	312300 P003	046	1S 1S
-															
CH	to be connected to inner overall shield (ios)		-						removable short pigtail to CH / Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S
-															1S
006	NC														
024	NC														
025	NC														

Pin Allocation List

(Harness)

Connector: 122200 P020
Item: HSFCU

Function / Bundle: FCU BSM SIH-XS-13

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE ChopSensor1&2(R) . 1		SBA.S -		S313	TS2CC-28	23				HSSVMCB3	27	312300 P003	051	1S 1S
020	SPIRE ChopSensor1&2(R) . 2		SBA.S -		S313	TS2CC-28	23				HSSVMCB3	27	312300 P003	040	1S 1S
022	SPIRE ChopSensor1&2(R) . SHD23		SBA.S -		S313	TS2CC-28	23			CS-S313	HSSVMCB3	27	312300 P003	039	1S 1S
-															
002	SPIRE ChopSensor3-5(R) . 3		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	028	1S 1S
021	SPIRE ChopSensor3-5(R) . 4		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	017	1S 1S
003	SPIRE ChopSensor3-5(R) . 5		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	016	1S 1S
022	SPIRE ChopSensor3-5(R) . SHD24		SBB.S -		S314	TS3CC-28	24			CS-S314	HSSVMCB3	27	312300 P003	027	1S 1S
-															
004	SPIRE JiggleSensor1&2(R) . 1		SBA.S -		S315	TS2CC-28	25				HSSVMCB3	27	312300 P003	049	1S 1S
023	SPIRE JiggleSensor1&2(R) . 2		SBA.S -		S315	TS2CC-28	25				HSSVMCB3	27	312300 P003	050	1S 1S
022	SPIRE JiggleSensor1&2(R) . SHD25		SBA.S -		S315	TS2CC-28	25			CS-S315	HSSVMCB3	27	312300 P003	038	1S 1S
-															
005	SPIRE JiggleSensor3-5(R) . 3		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	015	1S 1S
024	SPIRE JiggleSensor3-5(R) . 4		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	025	1S 1S
006	SPIRE JiggleSensor3-5(R) . 5		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	037	1S 1S
025	SPIRE JiggleSensor3-5(R) . SHD26		SBB.S -		S316	TS3CC-28	26			CS-S316	HSSVMCB3	27	312300 P003	026	1S 1S
025	to be con to pin 022									shield interconnection					1S
-															
013	SPIRE BSMLatchDrive(R) . SUP		SBF.S -		S320	TS2CC-28	27				HSSVMCB3	27	312300 P003	105	1S 1S
014	SPIRE BSMLatchDrive(R) . RTN		SBF.S -		S320	TS2CC-28	27				HSSVMCB3	27	312300 P003	115	1S 1S
033	SPIRE BSMLatchDrive(R) . SHD27		SBF.S -		S320	TS2CC-28	27			CS-S320	HSSVMCB3	27	312300 P003	106	1S 1S
-															
015	SPIRE ChopMotDrive(R) . 1		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	072	1S 1S
034	SPIRE ChopMotDrive(R) . 2		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	061	1S 1S
016	SPIRE ChopMotDrive(R) . 3		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	062	1S 1S
035	SPIRE ChopMotDrive(R) . 4		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	074	1S 1S
017	SPIRE ChopMotDrive(R) . SHD28		SBG.S -		S321	TS4CC-28	28			CS-S321	HSSVMCB3	27	312300 P003	073	1S 1S
-															
036	SPIRE JiggleMotDrive(R) . 1		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	083	1S 1S
018	SPIRE JiggleMotDrive(R) . 2		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	095	1S 1S
037	SPIRE JiggleMotDrive(R) . 3		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	096	1S 1S
019	SPIRE JiggleMotDrive(R) . 4		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	085	1S 1S
017	SPIRE JiggleMotDrive(R) . SHD29		SBG.S -		S322	TS4CC-28	29			CS-S322	HSSVMCB3	27	312300 P003	084	1S 1S

Pin Allocation List (Harness)

Connector: 122200 P020
Item: HSFCU

Function / Bundle: FCU BSM SIH-XS-13

Conn.-Type: SCC340100201BDCMA37PNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
-															
CH	to be con to Inner Overall Shield (IOS)		-						removable short pigtail to CH / Insulation required between IOS and OOS						1S
-															1S
CH	to be con to Outer Overall Shield (OOS)								Insulation required between IOS and OOS						1S
-															1S
007	NC														
008	NC														
009	NC														
010	NC														
011	NC														
012	NC														
026	NC														
027	NC														
028	NC														
029	NC														
030	NC														
031	NC														
032	NC														

Pin Allocation List (Harness)

Connector: 122200 P022
Item: HSFCU

Function / Bundle: FCU Thermometry C SIH-XS-13

Conn.-Type: SCC340100201BDAMA15PNMBFO
Backshell: 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE BSMTemp(R) . I+	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	086	1S 1S
002	SPIRE BSMTemp(R) . I-	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	087	1S 1S
009	SPIRE BSMTemp(R) . V+	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	097	1S 1S
010	SPIRE BSMTemp(R) . V-	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	098	1S 1S
003	SPIRE BSMTemp(R) . SHD01	SBC.S	-		S317	TS4CC-28	1			CS-S317	HSSVMCB3	27	312300 P003	075	1S 1S
-															
004	SPIRE SMECTemp(R) . I+	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	088	1S 1S
005	SPIRE SMECTemp(R) . I-	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	089	1S 1S
011	SPIRE SMECTemp(R) . V+	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	099	1S 1S
012	SPIRE SMECTemp(R) . V-	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	100	1S 1S
013	SPIRE SMECTemp(R) . SHD02	SMC.S	-		S329	TS4CC-28	2			CS-S329	HSSVMCB3	27	312300 P003	077	1S 1S
-															
006	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	054	1S 1S
007	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	053	1S 1S
014	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	065	1S 1S
015	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	064	1S 1S
008	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD03	SMC.S	-		S330	TS4CC-28	3			CS-S330	HSSVMCB3	27	312300 P003	076	1S 1S
-															
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S

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Pin Allocation List (Harness)

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Pin Allocation List

(Harness)

Connector: 122200 P030
Item: HSFCU

Function / Bundle: FCU SMEC Launch SIH-XS-13

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
001	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.S -		S325	TS2CC-28	16				HSSVMCB3	27	312300 P003	067	1S 1S
001	to be con to pin 021								pin interconnection						1S
002	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.S -		S325	TS2CC-28	16				HSSVMCB3	27	312300 P003	066	1S 1S
002	to be con to pin 022								pin interconnection						1S
020	SPIRE SMECLL#1Pwr1/A(R) . SHD16		SMF.S -		S325	TS2CC-28	16		CS-S325		HSSVMCB3	27	312300 P003	078	1S 1S
-															
021	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.S -		S326	TS2CC-28	17		con to pin 001		HSSVMCB3	27	312300 P003	069	1S 1S
022	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.S -		S326	TS2CC-28	17		con to pin 002		HSSVMCB3	27	312300 P003	068	1S 1S
003	SPIRE SMECLL#1Pwr2/B(R) . SHD17		SMF.S -		S326	TS2CC-28	17		CS-S326		HSSVMCB3	27	312300 P003	080	1S 1S
-															
004	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.S -		S327	TS2CC-28	18				HSSVMCB3	27	312300 P003	090	1S 1S
004	to be con to pin 024								pin interconnection						1S
005	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.S -		S327	TS2CC-28	18				HSSVMCB3	27	312300 P003	091	1S 1S
005	to be con to pin 025								pin interconnection						1S
023	SPIRE SMECLL#2Pwr1/A(R) . SHD18		SMF.S -		S327	TS2CC-28	18		CS-S327		HSSVMCB3	27	312300 P003	079	1S 1S
-															
024	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.S -		S328	TS2CC-28	19		con to pin 004		HSSVMCB3	27	312300 P003	092	1S 1S
025	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.S -		S328	TS2CC-28	19		con to pin 005		HSSVMCB3	27	312300 P003	093	1S 1S
006	SPIRE SMECLL#2Pwr2/B(R) . SHD19		SMF.S -		S328	TS2CC-28	19		CS-S328		HSSVMCB3	27	312300 P003	081	1S 1S
-															
013	SPIRE SMECLVDTPriCIPw(R) . P		SMA.S -		S331	TS2CC-28	20				HSSVMCB3	27	312300 P003	101	1S 1S
014	SPIRE SMECLVDTPriCIPw(R) . N		SMA.S -		S331	TS2CC-28	20				HSSVMCB3	27	312300 P003	102	1S 1S
032	SPIRE SMECLVDTPriCIPw(R) . SHD20		SMA.S -		S331	TS2CC-28	20		CS-S331		HSSVMCB3	27	312300 P003	112	1S 1S
-															
015	SPIRE SMECLVDTSC#1Sg(R) . P		SMB.S -		S332	TS2CC-28	21				HSSVMCB3	27	312300 P003	127	1S 1S
016	SPIRE SMECLVDTSC#1Sg(R) . N		SMB.S -		S332	TS2CC-28	21				HSSVMCB3	27	312300 P003	120	1S 1S
034	SPIRE SMECLVDTSC#1Sg(R) . SHD21		SMB.S -		S332	TS2CC-28	21		CS-S332		HSSVMCB3	27	312300 P003	128	1S 1S
-															
017	SPIRE SMECLVDTSC#2Sg(R) . P		SMB.S -		S333	TS2CC-28	22				HSSVMCB3	27	312300 P003	114	1S 1S
018	SPIRE SMECLVDTSC#2Sg(R) . N		SMB.S -		S333	TS2CC-28	22				HSSVMCB3	27	312300 P003	113	1S 1S
036	SPIRE SMECLVDTSC#2Sg(R) . SHD22		SMB.S -		S333	TS2CC-28	22		CS-S333		HSSVMCB3	27	312300 P003	121	1S 1S
-															
-															1S

Pin Allocation List (Harness)

Connector: 122200 P030
Item: HSFCU

Function / Bundle: FCU SMEC Launch SIH-XS-13

Conn.-Type: SCC340100201BDCMA37SNMBFO
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
CH	to be con to Inner Overall Shield (IOS)		-							removable short pigtail to CH / Insulation required between IOS and OOS					1S
-															1S
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					1S
007	NC														
008	NC														
009	NC														
010	NC														
011	NC														
012	NC														
019	NC														
026	NC														
027	NC														
028	NC														
029	NC														
030	NC														
031	NC														
033	NC														
035	NC														
037	NC														

Pin Allocation List

(Harness)

Connector: 312300 P002**Function / Bundle:** Launch Latch I/F B**Conn.-Type:** MS27484T10F35S (Plug)**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 22 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.											
011	SPIRE BSMLchLtchConf(R) . 1		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P003	108	1S 1S
001	SPIRE BSMLchLtchConf(R) . 2		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P003	116	1S 1S
002	SPIRE BSMLchLtchConf(R) . SHD30		SBE.S -		S319	TS2CC-28	30			CS-S319 / con to pin 003	HSSVMCB3	27	312300 P003	107	1S 1S
003	to be con to pin 002								pin interconnection						1S
-															
012	SPIRE SMECLLtch#1Conf(R) . 1+		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P003	117	1S 1S
004	SPIRE SMECLLtch#1Conf(R) . 1-		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P003	118	1S 1S
005	SPIRE SMECLLtch#1Conf(R) . SHD31		SME.S -		S323	TS2CC-28	31			CS-S323 / star pin for pin interconnection	HSSVMCB3	27	312300 P003	109	1S 1S
006	to be con to pin 005								pin interconnection						1S
007	to be con to pin 005								pin interconnection						1S
-															
013	SPIRE SMECLLtch#2Conf(R) . 2+		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P003	111	1S 1S
008	SPIRE SMECLLtch#2Conf(R) . 2-		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P003	119	1S 1S
009	SPIRE SMECLLtch#2Conf(R) . SHD32		SME.S -		S324	TS2CC-28	32			CS-S324 / con to pin 010	HSSVMCB3	27	312300 P003	110	1S 1S
010	to be con to pin 009								pin interconnection						1S
-															
CH	to be con to Overall Shield														1S

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	Name	Dep./Comp.		Name	Dep./Comp.
	Alberti von Mathias Dr.	AOE22	x	Wietbrock Walter	AET12
x	Barlage Bernhard	AED11		Wöhler Hans	AOE22
x	Bayer Thomas	AOA52			
	Fehringer Alexander	AOE13			
	Geiger Hermann	AOA52			
x	Gerner Willi	AED11			
x	Grasl Andreas	OTN/AET52			
	Grasshoff Brigitte	AET12			
	Hauser Armin	AOE22			
x	Hendry David	Terma Resid.	x	Alcatel	ASP
	Hinger Jürgen	AOE22	x	ESA/ESTEC	ESA
x	Hohn Rüdiger	AED65			
	Huber Johann	AOA52		Instruments:	
x	Hund Walter	ASE442		MPE (PACS)	MPE
x	Idler Siegmund	AED432	x	RAL (SPIRE)	RAL
	Ivány von András	FAE22		SRON (HIFI)	SRON
	Jahn Gerd Dr.	AOE22			
	Kalde Clemens	APE3		Subcontractors:	
x	Kameter Rudolf	OTN/AET52		Air Liquide, Space Department	AIR
	Kettner Bernhard	AET42		Air Liquide, Space Department	AIRS
x	Knoblauch August	AET32		Air Liquide, Orbital System	AIRT
x	Koelle Markus	AOA53		Alcatel Bell Space	ABSP
x	Kroeker Jürgen	AED65		Astrium Sub-Subsyst. & Equipment	ASSE
	Kunz Oliver Dr.	AOE22		Austrian Aerospace	AAE
	Lamprecht Ernst	OTN/ASI21		Austrian Aerospace	AAEM
x	Lang Jürgen	ASE442		APCO Technologies S. A.	APCO
	Langfermann Michael	AOA51		Bieri Engineering B. V.	BIER
	Mack Paul	OTN/AET52		BOC Edwards	BOCE
	Müller Jörg	AOA52		Dutch Space Solar Arrays	DSSA
x	Pastorino Michel	ASPI Resid.	x	EADS CASA Espacio	CASA
	Peltz Heinz-Willi	AOE13		EADS CASA Espacio	ECAS
	Pietroboni Karin	AED65		EADS Space Transportation	ASIP
	Platzer Wilhelm	AED22		Eurocopter	ECD
	Rebholz Reinhold	AOA51		HTS AG Zürich	HTSZ
	Reuß Friedhelm	AED62		Linde	LIND
x	Rühe Wolfgang	AED65		Patria New Technologies Oy	PANT
	Runge Axel	OTN/AET52		Phoenix, Volkmarsen	PHOE
	Sachsse Bernt	AED21		Prototech AS	PROT
	Schink Dietmar	AED44		QMC Instruments Ltd.	QMC
x	Schlosser Christian	OTN/AET52		Rembe, Brilon	REMB
	Schmidt Rudolf	FAE22		Rosemount Aerospace GmbH	ROSE
	Schweickert Gunn	AOE22		RYMSA, Radiación y Microondas S.A.	RYM
x	Steininger Eric	AED44		SENER Ingenieria SA	SEN
x	Stritter Rene	AED11		Stöhr, Königsbrunn	STOE
	Tenhaeff Dieter	AOE22		Terma A/S, Herlev	TER
	Thörmer Klaus-Horst Dr.	OTN/AED65			
	Wagner Klaus	AOE22			