

Title: **EPLM SPIRE SIH EICD
PFM**

CI-No: 121432

Prepared by:	<i>for</i> E. Steininger / <i>Krocker</i>	Date:	<u>27.02.2009</u>
Checked by:	<i>for</i> <i>G. Quint</i> / <i>M. Hopfgarten</i> W. Hund / M. Hopfgarten		<u>2.3.09</u>
Product Assurance:	<i>for</i> R. Stritter <i>Stinck</i>		<u>02.03.09</u>
Configuration Control:	W. Wietbrock <i>W. Wietbrock</i>		<u>02.03.09</u>
Project Management:	Dr. W. Fricke <i>W. Fricke</i>		<u>02/03/2009</u>

Distribution: See Distribution List (last page)

Copying of this document, and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights are reserved in the event of the grant of a patent or the registration of a utility model or design.

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	

Issue	Date	Sheet	Description of Change	Release
3.0	27.02.2009	All	Implementation of : H-P-ASP-CR-0961 / 04.04.07 (see also HP-2-ASED-PR-0087 iss. 1 / 16.04.07) Delete wrong additional ground wire on 211121J032 Update Pin Allocation List according current development status Implementation of Harness wiring lists for LPU (see SPIRE-RAL-PRJ-000608 Iss. 1.4 Date: 01/08/2007)	

Table of Content

1	Scope	3
2	Documents	3
2.1	Applicable Documents	3
2.2	Reference Documents	3
3	EPLM SPIRE SIH PFM Pin Allocation List Harness	3

Table of Figures

N / A

List of Tables

N / A

1 Scope

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

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] Herschel/Planck Instrument Interface Document, Part A,
SCI-PT-IIDA-04624
- [AD2] Herschel/Planck Instrument Interface Document, Part B; Instrument "SPIRE",
SCI-PT-IIDB/SPIRE-02124 PART B
- [AD3] Cryo Harness Interconnection diagram - SIH SPIRE,
HP-2-ASED-ID-0091
- [AD4] 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

This chapter contains the harness pin allocation as well as cable and connector type list of the SPIRE SIH.

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.

Due to some recently updates the pin allocation based on the data base is completed by some red marked information to be inline and equal to the as build status

The related Data Base is SPIRE_PFM_5_3_20090227_1130.mdb.

Cable Type List

Project:

HERSCHEL

Cable Code	Cable Type	Cable Type Name	No. of Cores	Twisted	No. of Shields
1	010B0	1Core, no Shd, Core Brass	1	No	0
7	012SS	1Core, 2Shd, Core St., Shd St.	1	No	2
5	021BS	2Core, 1Shd, Core Brass, Shd St.	2	Yes	1
5	021SS	2Core, 1Shd, Core St., Shd St.	2	Yes	1
5	022BS	2Core 2Shd, Core Br,Shd St.	2	Yes	1
5	022SS	2Core 2Shd, CoreSt.,Shd St.	2	Yes	1
3	030S0	3Core, no Shd, Core St.	3	No	0
6	031BS	3Core, 1Shd, Core Brass, Shd St.	3	Yes	1
3	040B0	4Core, no Shd, Core Brass	4	Yes	0
6	041BS	4 Core, 1Shd, Core Br, Shd St.	4	Yes	1
6	041SS	4 Core, 1Shd, Core St., Shd St.	4	Yes	1
6	121SS	12Core, 1Shd, Core St., Shd St.	12	Yes	1
0	12AXD	12 core , 2 Shd; S,S (4x030S0)	12	Yes	2
0	NA	no physical wire	0	No	0
5	T01C0	1Core, no Shd, Core Cop.	1	No	0
5	T04C0	4Core, no Shd, Core Copper	4	Yes	0
5	TS2CC	2Core, 1Shd, Core Cop, Shd Cop	2	Yes	1
6	TS3CC	3Core, 1Shd, Core Cop, Shd Cop	3	Yes	1
6	TS4CC	4 Core, 1Shd, Core Cop, Shd Cop	4	Yes	1

Astrium GmbH	Connector Type List	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009 Sheet : 11 (of 599)

Connector Type	Manufacturer	Pin / Sock	No. of Pins
197-011P-24-35PN-429	GLENAIR	P	128
197-012P-24-35SN-429	GLENAIR	S	128
3401-00201B-DAMA-15P-NMB	GLENAIR	P	15
3401-00201B-DAMA-15S-NMB	CANNON	S	15
3401-00201B-DBMA-25P-NMB	CANNON	P	25
3401-00201B-DBMA-25S-NMB	CANNON	S	25
3401-00201B-DCMA-37P-NMB	CANNON	P	37
3401-00201B-DCMA-37S-NMB	CANNON	S	37
3401-00201B-DDMA-50P-NMB	CANNON	P	50
3401-00201B-DDMA-50S-NMB	CANNON	S	50
3401-00201B-DEMA-09P-NMB	CANNON	P	9
3401-00201B-DEMA-09S-NMB	CANNON	S	9
3401-00202B-DDMA-78P-NMB	CANNON	P	78
3401-00202B-DDMA-78S-NMB	CANNON	S	78
3401-02901B-25P-FR1xxy	CANNON	P	25
3401-02901B-37S-FR1xxy	CANNON	S	37
3401-04401B-03-10-35PA	GLENAIR	P	13
3401-04401B-03-10-35PN	GLENAIR	P	13
3401-04401B-03-24-35PN	GLENAIR	P	128
3401-04401B-06G-10-35SB	GLENAIR	S	13
3401-04401B-06G-10-35SN	GLENAIR	S	13
3401-04401B-06G-24-35SN	GLENAIR	S	128
MWDM-2L-25S-6C3-.630-429	GLENAIR	S	25
MWDM-2L-37P-6C3-.630-429	GLENAIR	P	37

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P009**Function / Bundle:** SSW/SLW Bias Prime SIH-XS-01**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P009**Function / Bundle:** SSW/SLW Bias Prime SIH-XS-01**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 37

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

Pin Allocation List (Harness) **SPIRE**

Connector: 121220 P009
Item: HSJFS

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P010**Function / Bundle:** SSW/SLW Bias Red SIH-XS-01**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PTC TC Bias B . +ve	S3A.-	-		S020	022BS-38	20				CVVUCR	33	211121 J032	001	
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	
CH	SPIRE PTC TC Bias B . COS20	S3A.-	-		S020	022BS-38	20		COS-S020 con to CH		CVVUCR	33	211121 J032	FCR	
-															
021	SPIRE PTC JFETV Bias B . +ve	S3C.-	-		S022	022BS-38	22				CVVUCR	33	211121 J032	003	
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	
CH	SPIRE PTC JFETV Bias B . COS22	S3C.-	-		S022	022BS-38	22		COS-S022 con to CH		CVVUCR	33	211121 J032	FCR	
-															
022	SPIRE SLW Bias B1 . +ve	SSD.-	-		S038	022SS-38	38				CVVUCR	33	211121 J032	013	
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	
CH	SPIRE SLW Bias B1 . COS38	SSD.-	-		S038	022SS-38	38		COS-S038 con to CH		CVVUCR	33	211121 J032	FCR	
-															
005	SPIRE SLW Bias B2 . +ve	SSD.-	-		S039	022SS-38	39				CVVUCR	33	211121 J032	021	
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	
CH	SPIRE SLW Bias B2 . COS39	SSD.-	-		S039	022SS-38	39		COS-S039 con to CH		CVVUCR	33	211121 J032	FCR	
-															
025	SPIRE SLW JFETV B1 . +ve	SSF.-	-		S028	022BS-38	28				CVVUCR	33	211121 J032	031	
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	
CH	SPIRE SLW JFETV B1 . COS28	SSF.-	-		S028	022BS-38	28		COS-S028 con to CH		CVVUCR	33	211121 J032	FCR	
-															
008	SPIRE SLW JFETV B2 . +ve	SSF.-	-		S023	022BS-38	23				CVVUCR	33	211121 J032	042	
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	
CH	SPIRE SLW JFETV B2 . COS23	SSF.-	-		S023	022BS-38	23		COS-S023 con to CH		CVVUCR	33	211121 J032	FCR	
-															
028	SPIRE SSW Bias B1 . +ve	SSC.-	-		S042	022SS-38	42				CVVUCR	33	211121 J032	010	
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	

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P010**Function / Bundle:** SSW/SLW Bias Red SIH-XS-01**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	SPIRE SSW Bias B1 . COS42		SSC.-	-	S042	022SS-38	42			COS-S042 con to CH	CVVUCR	33	211121 J032	FCR	
-															
011	SPIRE SSW JFETV B1 . +ve		SSE.-	-	S035	022BS-38	35				CVVUCR	33	211121 J032	019	
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	
CH	SPIRE SSW JFETV B1 . COS35		SSE.-	-	S035	022BS-38	35			COS-S035 con to CH	CVVUCR	33	211121 J032	FCR	
-															
013	SPIRE SSW Bias B2 . +ve		SSC.-	-	S044	022SS-38	44				CVVUCR	33	211121 J032	041	
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	
CH	SPIRE SSW Bias B2 . COS44		SSC.-	-	S044	022SS-38	44			COS-S044 con to CH	CVVUCR	33	211121 J032	FCR	
-															
033	SPIRE SSW JFETV B2 . +ve		SSE.-	-	S036	022BS-38	36				CVVUCR	33	211121 J032	053	
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	
CH	SPIRE SSW JFETV B2 . COS36		SSE.-	-	S036	022BS-38	36			COS-S036 con to CH	CVVUCR	33	211121 J032	FCR	
-															
017	SPIRE SLW JFET Htr B . +ve		SSH.-	-	S046	021BS-38	46				CVVUCR	33	211121 J032	018	
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	
-															
037	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	47				CVVUCR	33	211121 J032	009	
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	
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	40				CVVUCR	33	211121 J032	016	
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	
-															
006	Interconnection Star Pin									Star Pin for Interconnection					
023	to be con to pin 006														
026	to be con to pin 006														
-															
012	Interconnection Star Pin									Star Pin for Interconnection					

2S

Pin Allocation List (Harness) **SPIRE**

Connector: 121220 P010
Item: HSJFS

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121220 P006**Function / Bundle:** SLW Bolom. Ch 13-24 HSJFS SIH-XS-01**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P006**Function / Bundle:** SLW Bolom. Ch 13-24 HSJFS SIH-XS-01**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P005**Function / Bundle:** SLW Bolom. Ch 1-12 HSJFS SIH-XS-01**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P005**Function / Bundle:** SLW Bolom. Ch 1-12 HSJFS SIH-XS-01**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
044	SPIRE PTC JFET Htr A . +ve		S3B.-	-	S019	021BS-38	19				HSJFS	76	121220 P009	016	
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	
-															
001	SPIRE PTC TC Bias B . +ve		S3A.-	-	S020	022BS-38	20				HSJFS	76	121220 P010	001	
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	
FCR	SPIRE PTC TC Bias B . COS20		S3A.-	-	S020	022BS-38	20		COS-S020 con to FCR		HSJFS	76	121220 P010	CH	
-															
003	SPIRE PTC JFETV Bias B . +ve		S3C.-	-	S022	022BS-38	22				HSJFS	76	121220 P010	021	
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	
FCR	SPIRE PTC JFETV Bias B . COS22		S3C.-	-	S022	022BS-38	22		COS-S022 con to FCR		HSJFS	76	121220 P010	CH	
-															
013	SPIRE SLW Bias B1 . +ve		SSD.-	-	S038	022SS-38	38				HSJFS	76	121220 P010	022	
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	
FCR	SPIRE SLW Bias B1 . COS38		SSD.-	-	S038	022SS-38	38		COS-S038 con to FCR		HSJFS	76	121220 P010	CH	
-															
021	SPIRE SLW Bias B2 . +ve		SSD.-	-	S039	022SS-38	39				HSJFS	76	121220 P010	005	
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	
FCR	SPIRE SLW Bias B2 . COS39		SSD.-	-	S039	022SS-38	39		COS-S039 con to FCR		HSJFS	76	121220 P010	CH	
-															
031	SPIRE SLW JFETV B1 . +ve		SSF.-	-	S028	022BS-38	28				HSJFS	76	121220 P010	025	
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	
FCR	SPIRE SLW JFETV B1 . COS28		SSF.-	-	S028	022BS-38	28		COS-S028 con to FCR		HSJFS	76	121220 P010	CH	
-															
042	SPIRE SLW JFETV B2 . +ve		SSF.-	-	S023	022BS-38	23				HSJFS	76	121220 P010	008	
054	SPIRE SLW JFETV B2 . -ve		SSF.-	-	S023	022BS-38	23				HSJFS	76	121220 P010	027	
032	SPIRE SLW JFETV B2 . SHD23		SSF.-	-	S023	022BS-38	23		CIS-S023		HSJFS	76	121220 P010	026	
FCR	SPIRE SLW JFETV B2 . COS23		SSF.-	-	S023	022BS-38	23		COS-S023 con to FCR		HSJFS	76	121220 P010	CH	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
010	SPIRE SSW Bias B1 . +ve		SSC.-	-	S042	022SS-38	42				HSJFS	76	121220 P010	028	
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	
FCR	SPIRE SSW Bias B1 . COS42		SSC.-	-	S042	022SS-38	42		COS-S042 con to FCR		HSJFS	76	121220 P010	CH	
-															
019	SPIRE SSW JFETV B1 . +ve		SSE.-	-	S035	022BS-38	35				HSJFS	76	121220 P010	011	
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	
FCR	SPIRE SSW JFETV B1 . COS35		SSE.-	-	S035	022BS-38	35		COS-S035 con to FCR		HSJFS	76	121220 P010	CH	
-															
041	SPIRE SSW Bias B2 . +ve		SSC.-	-	S044	022SS-38	44				HSJFS	76	121220 P010	013	
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	
FCR	SPIRE SSW Bias B2 . COS44		SSC.-	-	S044	022SS-38	44		COS-S044 con to FCR		HSJFS	76	121220 P010	CH	
-															
053	SPIRE SSW JFETV B2 . +ve		SSE.-	-	S036	022BS-38	36				HSJFS	76	121220 P010	033	
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	
FCR	SPIRE SSW JFETV B2 . COS36		SSE.-	-	S036	022BS-38	36		COS-S036 con to FCR		HSJFS	76	121220 P010	CH	
-															
018	SPIRE SLW JFET Htr B . +ve		SSH.-	-	S046	021BS-38	46				HSJFS	76	121220 P010	017	
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	
-															
009	SPIRE SSW JFET Htr B . +ve		SSG.-	-	S047	021BS-38	47				HSJFS	76	121220 P010	037	
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	
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.-	-	S040	021BS-38	40				HSJFS	76	121220 P010	016	
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	
-															
005	to be con as part of FCR								Faraday Cage Ring (FCR)						

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
022	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
039	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
058	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
128	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
-	CH to be isolated from FCR														
-	harness branch to be isolated from s/c structure														
-															
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P004**Function / Bundle:** SSW Bolom. Sign. HSJFS SIH-XS-02**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P004**Function / Bundle:** SSW Bolom. Sign. HSJFS SIH-XS-02**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P003**Function / Bundle:** SSW Bolom. Sign. HSJFS SIH-XS-02**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List (Harness) **SPIRE**

Connector: 121220 P003
Item: HSJFS

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

Conn.-Type: MWDM-2L-25S-6C3-.630-429
Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
013	SPIRE SSW Ch41-42 . SHD64		SSA.-	-	S064	12AXD-38	64			CIS-S064	CVVUCR	33	211121 J031	036	
CH	SPIRE SSW Ch41-42 . COS64		SSA.-	-	S064	12AXD-38	64			COS-S064 con to CH	CVVUCR	33	211121 J031	FCR	
-															
-	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) **SPIRE**

Connector: 121220 P007

Item: HSJFS

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

Conn.-Type: MWDM-2L-25S-6C3-.630-429

Backshell: 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
005	SPIRE SSW PTC Ch's . 1+	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	095	
018	SPIRE SSW PTC Ch's . 1-	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	084	
013	SPIRE SSW PTC Ch's . 1gnd	S3D.-	-		S053	12AXD-38	53	053-1	1		CVVUCR	33	211121 J031	082	
-															
006	SPIRE SSW PTC Ch's . 2+	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	096	
019	SPIRE SSW PTC Ch's . 2-	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	085	
013	SPIRE SSW PTC Ch's . 2gnd	S3D.-	-		S053	12AXD-38	53	053-2	2		CVVUCR	33	211121 J031	082	
-															
020	SPIRE SSW PTC Ch's . 3+	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	106	
007	SPIRE SSW PTC Ch's . 3-	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	107	
013	SPIRE SSW PTC Ch's . 3gnd	S3D.-	-		S053	12AXD-38	53	053-3	3		CVVUCR	33	211121 J031	082	
-															
021	SPIRE SSW PTC Ch's . Res+	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	083	
008	SPIRE SSW PTC Ch's . Res-	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	072	
013	SPIRE SSW PTC Ch's . Rgnd	S3D.-	-		S053	12AXD-38	53	053-4	4		CVVUCR	33	211121 J031	082	
-															
013	SPIRE SSW PTC Ch's . SHD53	S3D.-	-		S053	12AXD-38	53			CIS-S053	CVVUCR	33	211121 J031	082	
CH	SPIRE SSW PTC Ch's . COS53	S3D.-	-		S053	12AXD-38	53			COS-S053 con to CH	CVVUCR	33	211121 J031	FCR	
-															
-	harness branch to be isolated from s/c structure														
-															
-										No GND Wire at JFS side					
-															
-	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					

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P002

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

Conn.-Type: MWDM-2L-25S-6C3-.630-429

Item: HSJFS

Backshell: 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P002**Function / Bundle:** SSW Bolom. Sign. HSJFS SIH-XS-02**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P001

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

Conn.-Type: MWDM-2L-25S-6C3-.630-429

Item: HSJFS

Backshell: 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121220 P001**Function / Bundle:** SSW Bolom. Sign. HSJFS SIH-XS-02**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFS**Backshell:** 507 T 196 M 25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
013	SPIRE SSW Ch05-08 . SHD52		SSA.-	-	S052	12AXD-38	52			CIS-S052	CVVUCR	33	211121 J031	047	
CH	SPIRE SSW Ch05-08 . COS52		SSA.-	-	S052	12AXD-38	52			COS-S052 con to CH	CVVUCR	33	211121 J031	FCR	
-															
022	SPIRE SSW Ch09-12 . 9+		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	023	
009	SPIRE SSW Ch09-12 . 9-		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	034	
013	SPIRE SSW Ch09-12 . 9gnd		SSA.-	-	S054	12AXD-38	54	054-1	9		CVVUCR	33	211121 J031	047	
-															
023	SPIRE SSW Ch09-12 . 10+		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	033	
010	SPIRE SSW Ch09-12 . 10-		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	045	
013	SPIRE SSW Ch09-12 . 10gnd		SSA.-	-	S054	12AXD-38	54	054-2	A		CVVUCR	33	211121 J031	047	
-															
024	SPIRE SSW Ch09-12 . 11+		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	044	
011	SPIRE SSW Ch09-12 . 11-		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	056	
013	SPIRE SSW Ch09-12 . 11gnd		SSA.-	-	S054	12AXD-38	54	054-3	B		CVVUCR	33	211121 J031	047	
-															
025	SPIRE SSW Ch09-12 . 12+		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	022	
012	SPIRE SSW Ch09-12 . 12-		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	032	
013	SPIRE SSW Ch09-12 . 12gnd		SSA.-	-	S054	12AXD-38	54	054-4	C		CVVUCR	33	211121 J031	047	
-															
013	SPIRE SSW Ch09-12 . SHD54		SSA.-	-	S054	12AXD-38	54			CIS-S054	CVVUCR	33	211121 J031	047	
CH	SPIRE SSW Ch09-12 . COS54		SSA.-	-	S054	12AXD-38	54			COS-S054 con to CH	CVVUCR	33	211121 J031	FCR	
-															
-	harness branch to be isolated from s/c structure														
-										No Gnd Wires in P001					2S

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J031

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P025**Function / Bundle:** PSW Bias Prime -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P025**Function / Bundle:** PSW Bias Prime -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 49 (of 599)

Connector: 121210 P025
Item: HSJFP

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
036	Interconnection Star Pin									Star Pin for interconnection					2S
016	to be con to pin 036														
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;019					

Pin Allocation List

(Harness)

SPIRE

Connector: 121210 P027**Function / Bundle:** PMW/PLW Bias Prime -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121210 P027**Function / Bundle:** PMW/PLW Bias Prime -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 52 (of 599)

Connector: 121210 P027
Item: HSJFP

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P026**Function / Bundle:** PSW Bias Red -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P026**Function / Bundle:** PSW Bias Red -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 55 (of 599)

Connector: 121210 P026
Item: HSJFP

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
036	Interconnection Star Pin									Star Pin for Interconnection					2S
016	to be con to pin 036														
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;019					

Pin Allocation List

(Harness)

SPIRE

Connector: 121210 P028**Function / Bundle:** PMW/PLW Bias Red -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P028**Function / Bundle:** PMW/PLW Bias Red -DCU SIH-XS-03**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 37

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 58 (of 599)

Connector: 121210 P028
Item: HSJFP

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P024**Function / Bundle:** SPIRE Bol. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P024**Function / Bundle:** SPIRE Bol. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P023**Function / Bundle:** SPIRE Bo. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P023**Function / Bundle:** SPIRE Bo. Sig. from HSJFP12 / SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P022**Function / Bundle:** SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P022**Function / Bundle:** SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P021**Function / Bundle:** SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P021**Function / Bundle:** SPIRE Bol. Sig. from HSJFP11/ SIH-XS-04**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)

SPIRE

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J022**Function / Bundle:** UFThr 193.0° / SIH-XS-04**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J022

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P020**Function / Bundle:** SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P020**Function / Bundle:** SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P019**Function / Bundle:** SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P019**Function / Bundle:** SPIRE Bol. Sig. from HSJFP10 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P018**Function / Bundle:** SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P018**Function / Bundle:** SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P017**Function / Bundle:** SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P017**Function / Bundle:** SPIRE Bol. Sig. from HSJFP9 / SIH-XS-05**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J023

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J023
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P016**Function / Bundle:** SPIRE Bol Sig from HSJFP8 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P016**Function / Bundle:** SPIRE Bol Sig from HSJFP8 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P015**Function / Bundle:** SPIRE Bol. Sig. from HSJFP8 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P015**Function / Bundle:** SPIRE Bol. Sig. from HSJFP8 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P014**Function / Bundle:** SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P014**Function / Bundle:** SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121210 P013**Function / Bundle:** SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P013**Function / Bundle:** SPIRE Bol. Sig. from HSJFP7 / SIH-XS-06**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J024

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P012**Function / Bundle:** SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P012**Function / Bundle:** SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P011**Function / Bundle:** SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P011**Function / Bundle:** SPIRE Bol. Sig. from HSJFP6 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P010**Function / Bundle:** SPIRE Bol. Sig. from HSJFP5 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P010**Function / Bundle:** SPIRE Bol. Sig. from HSJFP5 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P009**Function / Bundle:** SPIRE Bol. Sig. from HDJFP5 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P009**Function / Bundle:** SPIRE Bol. Sig. from HDJFP5 / SIH-XS-07**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025**Function / Bundle:** UFThr 235.0° / SIH-XS-07**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J025

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P008**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P008**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P007**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P007**Function / Bundle:** SPIRE Bol. Sig. from HSJFP4 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P006**Function / Bundle:** SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P006**Function / Bundle:** SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P005**Function / Bundle:** SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P005**Function / Bundle:** SPIRE Bol. Sig. from HSJFP3 / SIH-XS-08**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J027

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P004**Function / Bundle:** SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P004**Function / Bundle:** SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P003**Function / Bundle:** SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P003**Function / Bundle:** SPIRE Bol. Sig. from HSJFP2 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P002**Function / Bundle:** SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P002**Function / Bundle:** SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P001**Function / Bundle:** SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Item:** HSJFP**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121210 P001**Item:** HSJFP**Function / Bundle:** SPIRE Bol. Sig. from HSJFP1 / SIH-XS-09**Conn.-Type:** MWDM-2L-25S-6C3-.630-429**Backshell:** 507 T 196 M 25

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
118	SPIRE PSW Ch21-24 . 23+		SPC.-	-	S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	024	
119	SPIRE PSW Ch21-24 . 23-		SPC.-	-	S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	011	
128	SPIRE PSW Ch21-24 . 23gnd		SPC.-	-	S129	12AXD-38	29	129-3	P		HSJFP	75	121210 P002	013	
-															
112	SPIRE PSW Ch21-24 . 24+		SPC.-	-	S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	025	
120	SPIRE PSW Ch21-24 . 24-		SPC.-	-	S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	012	
128	SPIRE PSW Ch21-24 . 24gnd		SPC.-	-	S129	12AXD-38	29	129-4	Q		HSJFP	75	121210 P002	013	
-															
128	SPIRE PSW Ch21-24 . SHD29		SPC.-	-	S129	12AXD-38	29			CIS-S129	HSJFP	75	121210 P002	013	
FCR	SPIRE PSW Ch21-24 . COS29		SPC.-	-	S129	12AXD-38	29			COS-S129 con to FCR	HSJFP	75	121210 P002	CH	
-															
090	SPIRE PSW Ch25-28 . 25+		SPC.-	-	S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	001	
079	SPIRE PSW Ch25-28 . 25-		SPC.-	-	S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	014	
047	SPIRE PSW Ch25-28 . 25gnd		SPC.-	-	S131	12AXD-38	31	131-1	R		HSJFP	75	121210 P003	013	
-															
102	SPIRE PSW Ch25-28 . 26+		SPC.-	-	S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	002	
101	SPIRE PSW Ch25-28 . 26-		SPC.-	-	S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	015	
047	SPIRE PSW Ch25-28 . 26gnd		SPC.-	-	S131	12AXD-38	31	131-2	S		HSJFP	75	121210 P003	013	
-															
092	SPIRE PSW Ch25-28 . 27+		SPC.-	-	S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	003	
091	SPIRE PSW Ch25-28 . 27-		SPC.-	-	S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	016	
047	SPIRE PSW Ch25-28 . 27gnd		SPC.-	-	S131	12AXD-38	31	131-3	T		HSJFP	75	121210 P003	013	
-															
103	SPIRE PSW Ch25-28 . 28+		SPC.-	-	S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	004	
113	SPIRE PSW Ch25-28 . 28-		SPC.-	-	S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	017	
047	SPIRE PSW Ch25-28 . 28gnd		SPC.-	-	S131	12AXD-38	31	131-4	U		HSJFP	75	121210 P003	013	
-															
047	SPIRE PSW Ch25-28 . SHD31		SPC.-	-	S131	12AXD-38	31			CIS-S131	HSJFP	75	121210 P003	013	
FGR	SPIRE PSW Ch25-28 . COS31		SPC.-	-	S131	12AXD-38	31			COS-S131 con to FCR	HSJFP	75	121210 P003	CH	
-															
058	SPIRE PSW Ch29-32 . 29+		SPC.-	-	S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	005	
046	SPIRE PSW Ch29-32 . 29-		SPC.-	-	S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	018	
047	SPIRE PSW Ch29-32 . 29gnd		SPC.-	-	S132	12AXD-38	32	132-1	V		HSJFP	75	121210 P003	013	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
068	SPIRE PSW Ch29-32 . 30+		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	006	
057	SPIRE PSW Ch29-32 . 30-		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	019	
047	SPIRE PSW Ch29-32 . 30gnd		SPC.-	-	S132	12AXD-38	32	132-2	W		HSJFP	75	121210 P003	013	
-															
069	SPIRE PSW Ch29-32 . 31+		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	020	
080	SPIRE PSW Ch29-32 . 31-		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	007	
047	SPIRE PSW Ch29-32 . 31gnd		SPC.-	-	S132	12AXD-38	32	132-3	X		HSJFP	75	121210 P003	013	
-															
070	SPIRE PSW Ch29-32 . 32+		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	021	
081	SPIRE PSW Ch29-32 . 32-		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	008	
047	SPIRE PSW Ch29-32 . 32gnd		SPC.-	-	S132	12AXD-38	32	132-4	Y		HSJFP	75	121210 P003	013	
-															
047	SPIRE PSW Ch29-32 . SHD32		SPC.-	-	S132	12AXD-38	32			CIS-S132	HSJFP	75	121210 P003	013	
FCR	SPIRE PSW Ch29-32 . COS32		SPC.-	-	S132	12AXD-38	32			COS-S132 con to FCR	HSJFP	75	121210 P003	CH	
-															
023	SPIRE PSW Ch33-36 . 33+		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	022	
034	SPIRE PSW Ch33-36 . 33-		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	009	
047	SPIRE PSW Ch33-36 . 33gnd		SPC.-	-	S133	12AXD-38	33	133-1	Z		HSJFP	75	121210 P003	013	
-															
033	SPIRE PSW Ch33-36 . 34+		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	023	
045	SPIRE PSW Ch33-36 . 34-		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	010	
047	SPIRE PSW Ch33-36 . 34gnd		SPC.-	-	S133	12AXD-38	33	133-2	a		HSJFP	75	121210 P003	013	
-															
044	SPIRE PSW Ch33-36 . 35+		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	024	
056	SPIRE PSW Ch33-36 . 35-		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	011	
047	SPIRE PSW Ch33-36 . 35gnd		SPC.-	-	S133	12AXD-38	33	133-3	b		HSJFP	75	121210 P003	013	
-															
022	SPIRE PSW Ch33-36 . 36+		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	025	
032	SPIRE PSW Ch33-36 . 36-		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	012	
047	SPIRE PSW Ch33-36 . 36gnd		SPC.-	-	S133	12AXD-38	33	133-4	c		HSJFP	75	121210 P003	013	
-															
047	SPIRE PSW Ch33-36 . SHD33		SPC.-	-	S133	12AXD-38	33			CIS-S133	HSJFP	75	121210 P003	013	
FCR	SPIRE PSW Ch33-36 . COS33		SPC.-	-	S133	12AXD-38	33			COS-S133 con to FCR	HSJFP	75	121210 P003	CH	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
013	SPIRE PSW Ch37-40 . 37+		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	001	
012	SPIRE PSW Ch37-40 . 37-		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	014	
004	SPIRE PSW Ch37-40 . 37gnd		SPC.-	-	S136	12AXD-38	36	136-1	d		HSJFP	75	121210 P004	013	
-															
021	SPIRE PSW Ch37-40 . 38+		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	002	
020	SPIRE PSW Ch37-40 . 38-		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	015	
004	SPIRE PSW Ch37-40 . 38gnd		SPC.-	-	S136	12AXD-38	36	136-2	e		HSJFP	75	121210 P004	013	
-															
031	SPIRE PSW Ch37-40 . 39+		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	003	
043	SPIRE PSW Ch37-40 . 39-		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	016	
004	SPIRE PSW Ch37-40 . 39gnd		SPC.-	-	S136	12AXD-38	36	136-3	f		HSJFP	75	121210 P004	013	
-															
042	SPIRE PSW Ch37-40 . 40+		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	004	
054	SPIRE PSW Ch37-40 . 40-		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	017	
004	SPIRE PSW Ch37-40 . 40gnd		SPC.-	-	S136	12AXD-38	36	136-4	g		HSJFP	75	121210 P004	013	
-															
004	SPIRE PSW Ch37-40 . SHD36		SPC.-	-	S136	12AXD-38	36			CIS-S136	HSJFP	75	121210 P004	013	
FCR	SPIRE PSW Ch37-40 . COS36		SPC.-	-	S136	12AXD-38	36			COS-S136 con to FCR	HSJFP	75	121210 P004	CH	
-															
010	SPIRE PSW Ch41-44 . 41+		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	005	
011	SPIRE PSW Ch41-44 . 41-		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	018	
004	SPIRE PSW Ch41-44 . 41gnd		SPC.-	-	S137	12AXD-38	37	137-1	h		HSJFP	75	121210 P004	013	
-															
019	SPIRE PSW Ch41-44 . 42+		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	006	
029	SPIRE PSW Ch41-44 . 42-		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	019	
004	SPIRE PSW Ch41-44 . 42gnd		SPC.-	-	S137	12AXD-38	37	137-2	j		HSJFP	75	121210 P004	013	
-															
041	SPIRE PSW Ch41-44 . 43+		SPC.-	-	S137	12AXD-38	37	137-3	k		HSJFP	75	121210 P004	020	
030	SPIRE PSW Ch41-44 . 43-		SPC.-	-	S137	12AXD-38	37	137-3	K		HSJFP	75	121210 P004	007	
004	SPIRE PSW Ch41-44 . 43gnd		SPC.-	-	S137	12AXD-38	37	137-3	K		HSJFP	75	121210 P004	013	
-															
053	SPIRE PSW Ch41-44 . 44+		SPC.-	-	S137	12AXD-38	37	137-4	l		HSJFP	75	121210 P004	021	
052	SPIRE PSW Ch41-44 . 44-		SPC.-	-	S137	12AXD-38	37	137-4l	l		HSJFP	75	121210 P004	008	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J028**Function / Bundle:** UFThr 263.2° / SIH-XS-09**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J028

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121100 P023**Function / Bundle:** SPIRE FPU Termometry Prime / SIH-XS-10**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P023**Function / Bundle:** SPIRE FPU Termometry Prime / SIH-XS-10**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121100 P021**Function / Bundle:** SPIRE FPU Filterspect. Stim. / SIH-XS-10**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
005	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	111	
025	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	112	
006	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	120	
024	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	42				CVWUCR	33	211121 J034	128	
023	SPIRE Spectr4%Temp (N) . SHD42		SCA.-	-	S242	041SS-38	42			CS-S242	CVWUCR	33	211121 J034	121	
-															
007	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	091	
027	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	080	
008	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	092	
026	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	43				CVWUCR	33	211121 J034	081	
009	SPIRE Spectr2%Temp (N) . SHD43		SCA.-	-	S243	041SS-38	43			CS-S243	CVWUCR	33	211121 J034	093	
-															
010	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	114	
029	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	104	
011	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	113	
028	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	44				CVWUCR	33	211121 J034	103	
030	SPIRE SpStimFlanTemp(N) . SHD44		SCA.-	-	S244	041SS-38	44			CS-S244	CVWUCR	33	211121 J034	102	
-															
-															
014	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					CVWUCR	33	211121 J034	035	
033	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					CVWUCR	33	211121 J034	034	
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	
035	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					CVWUCR	33	211121 J034	045	
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	
-															
CH	SPIRE FPU FSS Faraday . SFF		SFF.-	-	S251	010B0-30					CVWUCR	33	211121 J034	047	
-															
-	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	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 166 (of 599)

Connector: 121100 P021
Item: HSFPU

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P019**Function / Bundle:** SPIRE FPU Filter Cooler / SIH-XS-10**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P019**Function / Bundle:** SPIRE FPU Filter Cooler / SIH-XS-10**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J034

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J034**Function / Bundle:** UFThr. 318.1° / SIH-XS-10**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J034

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J034

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 173 (of 599)

Connector: 211121 J034
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
031	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
020	to be con to pin 031														
039	to be con to pin 031														
054	to be con to pin 031														
075	to be con to pin 031														
-															
101	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
096	to be con to pin 101														
105	to be con to pin 101														
108	to be con to pin 101														
109	to be con to pin 101														
110	to be con to pin 101														
-															
121	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
093	to be con to pin 121														
102	to be con to pin 121														
-															
-	CH to be isolated from FCR														
-															
-	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					

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P025**Function / Bundle:** SPIRE FPU Filt-BSM Ph.-Stim. / SIH-XS-11**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P025
Item: HSFPU

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P027

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429

Item: HSFPU

Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P027**Item:** HSFPU**Function / Bundle:** SPIRE FPU Filter SMEC L. Pr. / SIH-XS-11**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P029**Function / Bundle:** SPIRE FPU Filt-SMEC Cntr. Pr / SIH-XS-11**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P029**Function / Bundle:** SPIRE FPU Filt-SMEC Cntr. Pr / SIH-XS-11**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J030
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J030

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J030

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)

SPIRE

Connector: 211121 J030**Function / Bundle:** UFThr. 283.0° / SIH-XS-11**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J030**Function / Bundle:** UFThr. 283.0° / SIH-XS-11**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(N) . SHD85		SMJ.-	-	S285	021SS-38	85			CS-S285	HSFPU	70	121100 P029	035	
-															
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	86				HSFPU	70	121100 P029	036	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	86				HSFPU	70	121100 P029	037	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD86		SMK.-	-	S286	021SS-38	86			CS-S2826	HSFPU	70	121100 P029	018	
-															
006	SPIRE FPU SMEC Contr. Faraday . SFF		SFF.-	-	S301	010B0-30					HSFPU	70	121100 P029	CH	
082	SPIRE FPU BSM Faraday . SFF		SFF.-	-	S252	010B0-30					HSFPU	70	121100 P025	CH	
104	SPIRE FPU SMEC Faraday . SFF		SFF.-	-	S300	010B0-30					HSFPU	70	121100 P027	CH	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
-	CH to be isolated from FCR														
-															
029	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S
030	to be con to pin 029														2S
031	to be con to pin 029														2S

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J030
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
039	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
026	to be con to pin 039														
027	to be con to pin 039														
038	to be con to pin 039														
-															
044	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
045	to be con to pin 044														
046	to be con to pin 044														
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															2S
078	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
079	to be con to pin 078														2S
080	to be con to pin 078														
081	to be con to pin 078														
-															
112	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
121	to be con to pin 112														
128	to be con to pin 112														
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P024
Item: HSFPU

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429
Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P024**Function / Bundle:** SPIRE FPU Filter Termometry / SIH-XS-12**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P022

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429

Item: HSFPU

Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)

SPIRE

Connector: 121100 P020

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429

Item: HSFPU

Backshell: 507 T 196 M 37

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

Connector: 121100 P020**Function / Bundle:** SPIRE FPU Filter Cooler / SIH-XS-12**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
016	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 J033	022	
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	
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	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J033

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Connector: 211121 J033

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

SPIRE

Connector: 211121 J033**Function / Bundle:** UFThr. 311.9° / SIH-XS-12**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J033

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J033
Item: CVVUCR

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

Conn.-Type: 197-011P-24-35PN-429
Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	CH to be isolated from FCR														
031	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
020	to be con to pin 031														
039	to be con to pin 031														
054	to be con to pin 031														
075	to be con to pin 031														
-															
101	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
096	to be con to pin 101														
105	to be con to pin 101														
108	to be con to pin 101														
109	to be con to pin 101														
110	to be con to pin 101														
-															
121	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
093	to be con to pin 121														
102	to be con to pin 121														
-															
-	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					

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P026**Function / Bundle:** SPIRE FPU Filt-BSM Pht.Stim / SIH-XS-13**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P026**Function / Bundle:** SPIRE FPU Filt-BSM Pht.Stim / SIH-XS-13**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P028

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

Conn.-Type: MWDM-2L-37P-6C3-.630-429

Item: HSFPU

Backshell: 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P028**Function / Bundle:** SPIRE FPU Filt. SMEC L. Re / SIH-XS-13**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P030**Function / Bundle:** SPIRE FPU Filt. SMEC Cnt. Re / SIH-XS-13**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 121100 P030**Function / Bundle:** SPIRE FPU Filt. SMEC Cnt. Re / SIH-XS-13**Conn.-Type:** MWDM-2L-37P-6C3-.630-429**Item:** HSFPU**Backshell:** 507 T 196 M 37

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J029

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J029

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J029

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J029

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 J029

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

Conn.-Type: 197-011P-24-35PN-429

Item: CVVUCR

Backshell: 128/175_176_01_0A

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(R) . SHD43		SMJ.-	-	S343	021SS-38	43			CS-S343	HSFPU	70	121100 P030	035	
-															
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	44				HSFPU	70	121100 P030	036	
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	44				HSFPU	70	121100 P030	037	
046	SPIRE SMEC PosPhDi#3FB(R) . SHD44		SMK.-	-	S344	021SS-38	44			CS-S344	HSFPU	70	121100 P030	018	
-															
006	SPIRE FPU SMEC CR Faraday . SFF		SFF.-	-	S352	010B0-30				(S352)	HSFPU	70	121100 P030	CH	2S 2S
082	SPIRE FPU BSM PS Faraday . SFF		SFF.-	-	S305	010B0-30					HSFPU	70	121100 P026	CH	
104	SPIRE FPU SMEC LR Faraday . SFF		SFF.-	-	S351	010B0-30					HSFPU	70	121100 P028	CH	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
-	CH to be isolated from FCR														
-															
029	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
030	to be con to pin 029														
031	to be con to pin 029														

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 J029**Function / Bundle:** UFThr 276.8° / SIH-XS-13**Conn.-Type:** 197-011P-24-35PN-429**Item:** CVVUCR**Backshell:** 128/175_176_01_0A

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Project: **HERSCHEL**

Connector: 211121 P032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
024	SPIRE PTC JFETV Bias A . +ve		S3C.I -		S010	021BS-38	26				HSSVMCB2	27	312200 J006	024	
035	SPIRE PTC JFETV Bias A . -ve		S3C.I -		S010	021BS-38	26				HSSVMCB2	27	312200 J006	035	
046	SPIRE PTC JFETV Bias A . SHD26		S3C.I -		S010	021BS-38	26		CS-S010		HSSVMCB2	27	312200 J006	046	
-															
046	SPIRE PTC GND WIRE A3		SSX.- -		S403	010B0-30			GND WIRE A3		HSSVMCB2	27	312200 J006	046	
-															
121	SPIRE SLW Bias A1 . +ve		SSD.I -		S025	021BS-38	27				HSSVMCB2	27	312200 J006	121	
114	SPIRE SLW Bias A1 . -ve		SSD.I -		S025	021BS-38	27				HSSVMCB2	27	312200 J006	114	
104	SPIRE SLW Bias A1 . SHD27		SSD.I -		S025	021BS-38	27		CS-S025		HSSVMCB2	27	312200 J006	104	
-															
102	SPIRE SLW Bias A2 . +ve		SSD.I -		S026	021BS-38	28				HSSVMCB2	27	312200 J006	102	
101	SPIRE SLW Bias A2 . -ve		SSD.I -		S026	021BS-38	28				HSSVMCB2	27	312200 J006	101	
104	SPIRE SLW Bias A2 . SHD28		SSD.I -		S026	021BS-38	28		CS-S026		HSSVMCB2	27	312200 J006	104	
-															
092	SPIRE SLW JFETV A1 . +ve		SSF.I -		S011	021BS-38	29				HSSVMCB2	27	312200 J006	092	
091	SPIRE SLW JFETV A1 . -ve		SSF.I -		S011	021BS-38	29				HSSVMCB2	27	312200 J006	091	
104	SPIRE SLW JFETV A1 . SHD29		SSF.I -		S011	021BS-38	29		CS-S011		HSSVMCB2	27	312200 J006	104	
-															
103	SPIRE SLW JFETV A2 . +ve		SSF.I -		S012	021BS-38	30				HSSVMCB2	27	312200 J006	103	
113	SPIRE SLW JFETV A2 . -ve		SSF.I -		S012	021BS-38	30				HSSVMCB2	27	312200 J006	113	
104	SPIRE SLW JFETV A2 . SHD30		SSF.I -		S012	021BS-38	30		CS-S012		HSSVMCB2	27	312200 J006	104	
-															
104	SPIRE SLW GND WIRE B3		SSX.- -		S405	010B0-30			GND WIRE B3		HSSVMCB2	27	312200 J006	104	2S 2S
-															
090	SPIRE SSW Bias A1 . +ve		SSC.I -		S029	021BS-38	31				HSSVMCB2	27	312200 J006	090	
079	SPIRE SSW Bias A1 . -ve		SSC.I -		S029	021BS-38	31				HSSVMCB2	27	312200 J006	079	
093	SPIRE SSW Bias A1 . SHD31		SSC.I -		S029	021BS-38	31		CS-S029		HSSVMCB2	27	312200 J006	093	
-															
068	SPIRE SSW JFETV A1 . +ve		SSE.I -		S016	021BS-38	32				HSSVMCB2	27	312200 J006	068	
057	SPIRE SSW JFETV A1 . -ve		SSE.I -		S016	021BS-38	32				HSSVMCB2	27	312200 J006	057	
093	SPIRE SSW JFETV A1 . SHD32		SSE.I -		S016	021BS-38	32		CS-S016		HSSVMCB2	27	312200 J006	093	
-															
069	SPIRE SSW Bias A2 . +ve		SSC.I -		S031	021BS-38	33				HSSVMCB2	27	312200 J006	069	
080	SPIRE SSW Bias A2 . -ve		SSC.I -		S031	021BS-38	33				HSSVMCB2	27	312200 J006	080	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032

Function / Bundle: UFTThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P032**Function / Bundle:** UFThr. SIH-XS-01**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 215 (of 599)

Connector: 211121 P032
Item: CVVUCR

Function / Bundle: UFThr. SIH-XS-01

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
024	SPIRE PTC JFETV Bias A . +ve		S3C.I -		S010	021BS-38	26				CVVUCR	33	211121 P032	024	
035	SPIRE PTC JFETV Bias A . -ve		S3C.I -		S010	021BS-38	26				CVVUCR	33	211121 P032	035	
046	SPIRE PTC JFETV Bias A . SHD26		S3C.I -		S010	021BS-38	26			CS-S010	CVVUCR	33	211121 P032	046	
-															
046	SPIRE PTC GND WIRE A3		SSX.- -		S403	010B0-30				GND WIRE A	CVVUCR	33	211121 P032	046	
-															
121	SPIRE SLW Bias A1 . +ve		SSD.I -		S025	021BS-38	27				CVVUCR	33	211121 P032	121	
114	SPIRE SLW Bias A1 . -ve		SSD.I -		S025	021BS-38	27				CVVUCR	33	211121 P032	114	
104	SPIRE SLW Bias A1 . SHD27		SSD.I -		S025	021BS-38	27			CS-S025	CVVUCR	33	211121 P032	104	
-															
102	SPIRE SLW Bias A2 . +ve		SSD.I -		S026	021BS-38	28				CVVUCR	33	211121 P032	102	
101	SPIRE SLW Bias A2 . -ve		SSD.I -		S026	021BS-38	28				CVVUCR	33	211121 P032	101	
104	SPIRE SLW Bias A2 . SHD28		SSD.I -		S026	021BS-38	28			CS-S026	CVVUCR	33	211121 P032	104	
-															
092	SPIRE SLW JFETV A1 . +ve		SSF.I -		S011	021BS-38	29				CVVUCR	33	211121 P032	092	
091	SPIRE SLW JFETV A1 . -ve		SSF.I -		S011	021BS-38	29				CVVUCR	33	211121 P032	091	
104	SPIRE SLW JFETV A1 . SHD29		SSF.I -		S011	021BS-38	29			CS-S011	CVVUCR	33	211121 P032	104	
-															
103	SPIRE SLW JFETV A2 . +ve		SSF.I -		S012	021BS-38	30				CVVUCR	33	211121 P032	103	
113	SPIRE SLW JFETV A2 . -ve		SSF.I -		S012	021BS-38	30				CVVUCR	33	211121 P032	113	
104	SPIRE SLW JFETV A2 . SHD30		SSF.I -		S012	021BS-38	30			CS-S012	CVVUCR	33	211121 P032	104	
-															
104	SPIRE SLW GND WIRE B3		SSX.- -		S405	010B0-30				GND WIRE B3	CVVUCR	33	211121 P032	104	2S 2S
-															
090	SPIRE SSW Bias A1 . +ve		SSC.I -		S029	021BS-38	31				CVVUCR	33	211121 P032	090	
079	SPIRE SSW Bias A1 . -ve		SSC.I -		S029	021BS-38	31				CVVUCR	33	211121 P032	079	
093	SPIRE SSW Bias A1 . SHD31		SSC.I -		S029	021BS-38	31			CS-S029	CVVUCR	33	211121 P032	093	
-															
068	SPIRE SSW JFETV A1 . +ve		SSE.I -		S016	021BS-38	32				CVVUCR	33	211121 P032	068	
057	SPIRE SSW JFETV A1 . -ve		SSE.I -		S016	021BS-38	32				CVVUCR	33	211121 P032	057	
093	SPIRE SSW JFETV A1 . SHD32		SSE.I -		S016	021BS-38	32			CS-S016	CVVUCR	33	211121 P032	093	
-															
069	SPIRE SSW Bias A2 . +ve		SSC.I -		S031	021BS-38	33				CVVUCR	33	211121 P032	069	
080	SPIRE SSW Bias A2 . -ve		SSC.I -		S031	021BS-38	33				CVVUCR	33	211121 P032	080	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List (Harness) **SPIRE**

Connector: 312200 J006
Item: HSSVMCB2

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031**Function / Bundle:** UFThr. 289.2° SIH-XS-02**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031**Function / Bundle:** UFThr. 289.2° SIH-XS-02**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P031**Function / Bundle:** UFThr. 289.2° SIH-XS-02**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 P031
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List (Harness) **SPIRE**

Connector: 312200 J005

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
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		
-															
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		
-															
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		
-															
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		
-															
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		
-															
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		
-															
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		
-															
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		
-															
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)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.I -		S185	021BS-38	9			CS-S185	HSSVMCB1	27	312100 J004	036	
-															
036	SPIRE PSW_JFETV GND A1		SPX.- -		S431	010B0-30					HSSVMCB1	27	312100 J004	036	
-															
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	
-															
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	
-															
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	
-															
042	SPIRE PSW_JFETV1_B . B+		SPL.I -		S205	021BS-38	13				HSSVMCB1	27	312100 J004	042	
054	SPIRE PSW_JFETV1_B . B-		SPL.I -		S205	021BS-38	13				HSSVMCB1	27	312100 J004	054	
001	SPIRE PSW_JFETV1_B . SHD13		SPL.I -		S205	021BS-38	13			CS-S205	HSSVMCB1	27	312100 J004	001	
-															
053	SPIRE PSW_JFETV2_B . B+		SPL.I -		S206	021BS-38	14				HSSVMCB1	27	312100 J004	053	
052	SPIRE PSW_JFETV2_B . B-		SPL.I -		S206	021BS-38	14				HSSVMCB1	27	312100 J004	052	
001	SPIRE PSW_JFETV2_B . SHD14		SPL.I -		S206	021BS-38	14			CS-S206	HSSVMCB1	27	312100 J004	001	
-															
041	SPIRE PSW_JFETV3_B . B+		SPL.I -		S207	021BS-38	15				HSSVMCB1	27	312100 J004	041	
030	SPIRE PSW_JFETV3_B . B-		SPL.I -		S207	021BS-38	15				HSSVMCB1	27	312100 J004	030	
001	SPIRE PSW_JFETV3_B . SHD15		SPL.I -		S207	021BS-38	15			CS-S207	HSSVMCB1	27	312100 J004	001	
-															
010	SPIRE PSW_JFETV4_B . B+		SPL.I -		S208	021BS-38	16				HSSVMCB1	27	312100 J004	010	
011	SPIRE PSW_JFETV4_B . B-		SPL.I -		S208	021BS-38	16				HSSVMCB1	27	312100 J004	011	
001	SPIRE PSW_JFETV4_B . SHD16		SPL.I -		S208	021BS-38	16			CS-S208	HSSVMCB1	27	312100 J004	001	
-															
019	SPIRE PSW_JFETV5_B . B+		SPL.I -		S209	021BS-38	17				HSSVMCB1	27	312100 J004	019	
029	SPIRE PSW_JFETV5_B . B-		SPL.I -		S209	021BS-38	17				HSSVMCB1	27	312100 J004	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P026**Function / Bundle:** UFThr 250.8° SIH-XS-03**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH
 Project: **HERSCHEL**

Pin Allocation List
(Harness)
SPIRE

Doc. No. : HP-2-ASED-IC-0016
 Issue : 3.0 Date : 27.02.2009
 Sheet : 245 (of 599)

Connector: 211121 P026
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
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	
-															
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	
-															
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	
-															
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	
-															
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	
-															
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	
-															
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	
-															
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	
-															
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)
SPIRE

Connector: 312100 J004

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.I -		S185	021BS-38	9			CS-S185	CVVUCR	33	211121 P026	036	
-															
036	SPIRE PSW_JFETV GND A1		SPX.- -		S431	010B0-30					CVVUCR	33	211121 P026	036	
-															
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	
-															
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	
-															
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	
-															
042	SPIRE PSW_JFETV1_B . B+		SPL.I -		S205	021BS-38	13				CVVUCR	33	211121 P026	042	
054	SPIRE PSW_JFETV1_B . B-		SPL.I -		S205	021BS-38	13				CVVUCR	33	211121 P026	054	
001	SPIRE PSW_JFETV1_B . SHD13		SPL.I -		S205	021BS-38	13			CS-S205	CVVUCR	33	211121 P026	001	
-															
053	SPIRE PSW_JFETV2_B . B+		SPL.I -		S206	021BS-38	14				CVVUCR	33	211121 P026	053	
052	SPIRE PSW_JFETV2_B . B-		SPL.I -		S206	021BS-38	14				CVVUCR	33	211121 P026	052	
001	SPIRE PSW_JFETV2_B . SHD14		SPL.I -		S206	021BS-38	14			CS-S206	CVVUCR	33	211121 P026	001	
-															
041	SPIRE PSW_JFETV3_B . B+		SPL.I -		S207	021BS-38	15				CVVUCR	33	211121 P026	041	
030	SPIRE PSW_JFETV3_B . B-		SPL.I -		S207	021BS-38	15				CVVUCR	33	211121 P026	030	
001	SPIRE PSW_JFETV3_B . SHD15		SPL.I -		S207	021BS-38	15			CS-S207	CVVUCR	33	211121 P026	001	
-															
010	SPIRE PSW_JFETV4_B . B+		SPL.I -		S208	021BS-38	16				CVVUCR	33	211121 P026	010	
011	SPIRE PSW_JFETV4_B . B-		SPL.I -		S208	021BS-38	16				CVVUCR	33	211121 P026	011	
001	SPIRE PSW_JFETV4_B . SHD16		SPL.I -		S208	021BS-38	16			CS-S208	CVVUCR	33	211121 P026	001	
-															
019	SPIRE PSW_JFETV5_B . B+		SPL.I -		S209	021BS-38	17				CVVUCR	33	211121 P026	019	
029	SPIRE PSW_JFETV5_B . B-		SPL.I -		S209	021BS-38	17				CVVUCR	33	211121 P026	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 253 (of 599)

Connector: 312100 J004
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)

SPIRE

Connector: 211121 P022

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P022**Function / Bundle:** UFThr 193.0° / SIH-XS-04**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 261 (of 599)

Connector: 211121 P022
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 269 (of 599)

Connector: 312100 J003
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P023**Function / Bundle:** UFThr 199.2° / SIH-XS-05**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 277 (of 599)

Connector: 211121 P023
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)

SPIRE

Connector: 312100 J002

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J002

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J002

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)

SPIRE

Connector: 312100 J002

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

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB1

Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)

SPIRE

Connector: 312100 J002**Function / Bundle:** SPIRE SVM CB1 SIH-XS-05**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 J002**Function / Bundle:** SPIRE SVM CB1 SIH-XS-05**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB1**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List (Harness) **SPIRE**

Connector: 312100 J002
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 285 (of 599)

Connector: 312100 J002
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PLW Ch01-04 . 1+		SPA.I -		S104	021SS-38	1	104-1			HSSVMCB2	27	312200 J003	026	
037	SPIRE PLW Ch01-04 . 1-		SPA.I -		S104	021SS-38	1	104-1			HSSVMCB2	27	312200 J003	037	
036	SPIRE PLW Ch01-04 . SHD01		SPA.I -		S104	021SS-38	1	104-1	CS-S104-1		HSSVMCB2	27	312200 J003	036	
-															
038	SPIRE PLW Ch01-04 . 2+		SPA.I -		S104	021SS-38	2	104-2			HSSVMCB2	27	312200 J003	038	
049	SPIRE PLW Ch01-04 . 2-		SPA.I -		S104	021SS-38	2	104-2			HSSVMCB2	27	312200 J003	049	
036	SPIRE PLW Ch01-04 . SHD02		SPA.I -		S104	021SS-38	2	104-2	CS-S104-2		HSSVMCB2	27	312200 J003	036	
-															
048	SPIRE PLW Ch01-04 . 3+		SPA.I -		S104	021SS-38	3	104-3			HSSVMCB2	27	312200 J003	048	
060	SPIRE PLW Ch01-04 . 3-		SPA.I -		S104	021SS-38	3	104-3			HSSVMCB2	27	312200 J003	060	
036	SPIRE PLW Ch01-04 . SHD03		SPA.I -		S104	021SS-38	3	104-3	CS-S104-3		HSSVMCB2	27	312200 J003	036	
-															
059	SPIRE PLW Ch01-04 . 4+		SPA.I -		S104	021SS-38	4	104-4			HSSVMCB2	27	312200 J003	059	
071	SPIRE PLW Ch01-04 . 4-		SPA.I -		S104	021SS-38	4	104-4			HSSVMCB2	27	312200 J003	071	
036	SPIRE PLW Ch01-04 . SHD04		SPA.I -		S104	021SS-38	4	104-4	CS-S104-4		HSSVMCB2	27	312200 J003	036	
-															
050	SPIRE PLW Ch05-08 . 5+		SPA.I -		S105	021SS-38	5	105-1			HSSVMCB2	27	312200 J003	050	
061	SPIRE PLW Ch05-08 . 5-		SPA.I -		S105	021SS-38	5	105-1			HSSVMCB2	27	312200 J003	061	
036	SPIRE PLW Ch05-08 . SHD05		SPA.I -		S105	021SS-38	5	105-1	CS-S105-1		HSSVMCB2	27	312200 J003	036	
-															
062	SPIRE PLW Ch05-08 . 6+		SPA.I -		S105	021SS-38	6	105-2			HSSVMCB2	27	312200 J003	062	
051	SPIRE PLW Ch05-08 . 6-		SPA.I -		S105	021SS-38	6	105-2			HSSVMCB2	27	312200 J003	051	
036	SPIRE PLW Ch05-08 . SHD06		SPA.I -		S105	021SS-38	6	105-2	CS-S105-2		HSSVMCB2	27	312200 J003	036	
-															
063	SPIRE PLW Ch05-08 . 7+		SPA.I -		S105	021SS-38	7	105-3			HSSVMCB2	27	312200 J003	063	
075	SPIRE PLW Ch05-08 . 7-		SPA.I -		S105	021SS-38	7	105-3			HSSVMCB2	27	312200 J003	075	
036	SPIRE PLW Ch05-08 . SHD07		SPA.I -		S105	021SS-38	7	105-3	CS-S105-3		HSSVMCB2	27	312200 J003	036	
-															
074	SPIRE PLW Ch05-08 . 8+		SPA.I -		S105	021SS-38	8	105-4			HSSVMCB2	27	312200 J003	074	
073	SPIRE PLW Ch05-08 . 8-		SPA.I -		S105	021SS-38	8	105-4			HSSVMCB2	27	312200 J003	073	
036	SPIRE PLW Ch05-08 . SHD08		SPA.I -		S105	021SS-38	8	105-4	CS-S105-4		HSSVMCB2	27	312200 J003	036	
-															
083	SPIRE PLW Ch09-12 . 9+		SPA.I -		S106	021SS-38	9	106-1			HSSVMCB2	27	312200 J003	083	
072	SPIRE PLW Ch09-12 . 9-		SPA.I -		S106	021SS-38	9	106-1			HSSVMCB2	27	312200 J003	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PLW Ch09-12 . SHD09		SPA.I	-	S106	021SS-38	9	106-1		CS-S106-1	HSSVMCB2	27	312200 J003	036	
-															
095	SPIRE PLW Ch09-12 . 10+		SPA.I	-	S106	021SS-38	10	106-2			HSSVMCB2	27	312200 J003	095	
084	SPIRE PLW Ch09-12 . 10-		SPA.I	-	S106	021SS-38	10	106-2			HSSVMCB2	27	312200 J003	084	
036	SPIRE PLW Ch09-12 . SHD10		SPA.I	-	S106	021SS-38	10	106-2		CS-S106-2	HSSVMCB2	27	312200 J003	036	
-															
096	SPIRE PLW Ch09-12 . 11+		SPA.I	-	S106	021SS-38	11	106-3			HSSVMCB2	27	312200 J003	096	
085	SPIRE PLW Ch09-12 . 11-		SPA.I	-	S106	021SS-38	11	106-3			HSSVMCB2	27	312200 J003	085	
036	SPIRE PLW Ch09-12 . SHD11		SPA.I	-	S106	021SS-38	11	106-3		CS-S106-3	HSSVMCB2	27	312200 J003	036	
-															
106	SPIRE PLW Ch09-12 . 12+		SPA.I	-	S106	021SS-38	12	106-4			HSSVMCB2	27	312200 J003	106	
107	SPIRE PLW Ch09-12 . 12-		SPA.I	-	S106	021SS-38	12	106-4			HSSVMCB2	27	312200 J003	107	
036	SPIRE PLW Ch09-12 . SHD12		SPA.I	-	S106	021SS-38	12	106-4		CS-S106-4	HSSVMCB2	27	312200 J003	036	
-															
086	SPIRE PLW Ch13-16 . 13+		SPA.I	-	S109	021SS-38	13	109-1			HSSVMCB2	27	312200 J003	086	
087	SPIRE PLW Ch13-16 . 13-		SPA.I	-	S109	021SS-38	13	109-1			HSSVMCB2	27	312200 J003	087	
036	SPIRE PLW Ch13-16 . SHD13		SPA.I	-	S109	021SS-38	13	109-1		CS-S109-1	HSSVMCB2	27	312200 J003	036	
-															
097	SPIRE PLW Ch13-16 . 14+		SPA.I	-	S109	021SS-38	14	109-2			HSSVMCB2	27	312200 J003	097	
098	SPIRE PLW Ch13-16 . 14-		SPA.I	-	S109	021SS-38	14	109-2			HSSVMCB2	27	312200 J003	098	
036	SPIRE PLW Ch13-16 . SHD14		SPA.I	-	S109	021SS-38	14	109-2		CS-S109-2	HSSVMCB2	27	312200 J003	036	
-															
108	SPIRE PLW Ch13-16 . 15+		SPA.I	-	S109	021SS-38	15	109-3			HSSVMCB2	27	312200 J003	108	
109	SPIRE PLW Ch13-16 . 15-		SPA.I	-	S109	021SS-38	15	109-3			HSSVMCB2	27	312200 J003	109	
036	SPIRE PLW Ch13-16 . SHD15		SPA.I	-	S109	021SS-38	15	109-3		CS-S109-3	HSSVMCB2	27	312200 J003	036	
-															
116	SPIRE PLW Ch13-16 . 16+		SPA.I	-	S109	021SS-38	16	109-4			HSSVMCB2	27	312200 J003	116	
117	SPIRE PLW Ch13-16 . 16-		SPA.I	-	S109	021SS-38	16	109-4			HSSVMCB2	27	312200 J003	117	
036	SPIRE PLW Ch13-16 . SHD16		SPA.I	-	S109	021SS-38	16	109-4		CS-S109-4	HSSVMCB2	27	312200 J003	036	
-															
036	SPIRE PLW B06 GND WIRE A1		SPX.-	-	S461	010B0-30					HSSVMCB2	27	312200 J003	036	
-															
055	SPIRE PLW Ch17-20 . 17+		SPA.I	-	S110	021SS-38	17	110-1			HSSVMCB2	27	312200 J003	055	
066	SPIRE PLW Ch17-20 . 17-		SPA.I	-	S110	021SS-38	17	110-1			HSSVMCB2	27	312200 J003	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PLW Ch17-20 . SHD17		SPA.I	-	S110	021SS-38	17	110-1		CS-S110-1	HSSVMCB2	27	312200 J003	128	
-															
067	SPIRE PLW Ch17-20 . 18+		SPA.I	-	S110	021SS-38	18	110-2			HSSVMCB2	27	312200 J003	067	
078	SPIRE PLW Ch17-20 . 18-		SPA.I	-	S110	021SS-38	18	110-2			HSSVMCB2	27	312200 J003	078	
128	SPIRE PLW Ch17-20 . SHD18		SPA.I	-	S110	021SS-38	18	110-2		CS-S110-2	HSSVMCB2	27	312200 J003	128	
-															
076	SPIRE PLW Ch17-20 . 19+		SPA.I	-	S110	021SS-38	19	110-3			HSSVMCB2	27	312200 J003	076	
077	SPIRE PLW Ch17-20 . 19-		SPA.I	-	S110	021SS-38	19	110-3			HSSVMCB2	27	312200 J003	077	
128	SPIRE PLW Ch17-20 . SHD19		SPA.I	-	S110	021SS-38	19	110-3		CS-S110-3	HSSVMCB2	27	312200 J003	128	
-															
088	SPIRE PLW Ch17-20 . 20+		SPA.I	-	S110	021SS-38	20	110-4			HSSVMCB2	27	312200 J003	088	
089	SPIRE PLW Ch17-20 . 20-		SPA.I	-	S110	021SS-38	20	110-4			HSSVMCB2	27	312200 J003	089	
128	SPIRE PLW Ch17-20 . SHD20		SPA.I	-	S110	021SS-38	20	110-4		CS-S110-4	HSSVMCB2	27	312200 J003	128	
-															
099	SPIRE PLW Ch21-24 . 21+		SPA.I	-	S111	021SS-38	21	111-1			HSSVMCB2	27	312200 J003	099	
100	SPIRE PLW Ch21-24 . 21-		SPA.I	-	S111	021SS-38	21	111-1			HSSVMCB2	27	312200 J003	100	
128	SPIRE PLW Ch21-24 . SHD21		SPA.I	-	S111	021SS-38	21	111-1		CS-S111-1	HSSVMCB2	27	312200 J003	128	
-															
110	SPIRE PLW Ch21-24 . 22+		SPA.I	-	S111	021SS-38	22	111-2			HSSVMCB2	27	312200 J003	110	
111	SPIRE PLW Ch21-24 . 22-		SPA.I	-	S111	021SS-38	22	111-2			HSSVMCB2	27	312200 J003	111	
128	SPIRE PLW Ch21-24 . SHD22		SPA.I	-	S111	021SS-38	22	111-2		CS-S111-2	HSSVMCB2	27	312200 J003	128	
-															
118	SPIRE PLW Ch21-24 . 23+		SPA.I	-	S111	021SS-38	23	111-3			HSSVMCB2	27	312200 J003	118	
119	SPIRE PLW Ch21-24 . 23-		SPA.I	-	S111	021SS-38	23	111-3			HSSVMCB2	27	312200 J003	119	
128	SPIRE PLW Ch21-24 . SHD23		SPA.I	-	S111	021SS-38	23	111-3		CS-S111-3	HSSVMCB2	27	312200 J003	128	
-															
112	SPIRE PLW Ch21-24 . 24+		SPA.I	-	S111	021SS-38	24	111-4			HSSVMCB2	27	312200 J003	112	
120	SPIRE PLW Ch21-24 . 24-		SPA.I	-	S111	021SS-38	24	111-4			HSSVMCB2	27	312200 J003	120	
128	SPIRE PLW Ch21-24 . SHD24		SPA.I	-	S111	021SS-38	24	111-4		CS-S111-4	HSSVMCB2	27	312200 J003	128	
-															
090	SPIRE PLW Ch25-28 . 25+		SPA.I	-	S113	021SS-38	25	113-1			HSSVMCB2	27	312200 J003	090	
079	SPIRE PLW Ch25-28 . 25-		SPA.I	-	S113	021SS-38	25	113-1			HSSVMCB2	27	312200 J003	079	
128	SPIRE PLW Ch25-28 . 25gnd		SPA.I	-	S113	021SS-38	25	113-1		CS-S113-1	HSSVMCB2	27	312200 J003	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PLW Ch25-28 . 26+		SPA.I -		S113	021SS-38	26	113-2			HSSVMCB2	27	312200 J003	102	
101	SPIRE PLW Ch25-28 . 26-		SPA.I -		S113	021SS-38	26	113-2			HSSVMCB2	27	312200 J003	101	
128	SPIRE PLW Ch25-28 . SHD26		SPA.I -		S113	021SS-38	26	113-2	CS-S113-2		HSSVMCB2	27	312200 J003	128	
-															
092	SPIRE PLW Ch25-28 . 27+		SPA.I -		S113	021SS-38	27	113-3			HSSVMCB2	27	312200 J003	092	
091	SPIRE PLW Ch25-28 . 27-		SPA.I -		S113	021SS-38	27	113-3			HSSVMCB2	27	312200 J003	091	
128	SPIRE PLW Ch25-28 . SHD27		SPA.I -		S113	021SS-38	27	113-3	CS-S113-3		HSSVMCB2	27	312200 J003	128	
-															
103	SPIRE PLW Ch25-28 . 28+		SPA.I -		S113	021SS-38	28	113-4			HSSVMCB2	27	312200 J003	103	
113	SPIRE PLW Ch25-28 . 28-		SPA.I -		S113	021SS-38	28	113-4			HSSVMCB2	27	312200 J003	113	
128	SPIRE PLW Ch25-28 . SHD28		SPA.I -		S113	021SS-38	28	113-4	CS-S113-4		HSSVMCB2	27	312200 J003	128	
-															
058	SPIRE PLW Ch29-32 . 29+		SPA.I -		S114	021SS-38	29	114-1			HSSVMCB2	27	312200 J003	058	
046	SPIRE PLW Ch29-32 . 29-		SPA.I -		S114	021SS-38	29	114-1			HSSVMCB2	27	312200 J003	046	
128	SPIRE PLW Ch29-32 . SHD29		SPA.I -		S114	021SS-38	29	114-1	CS-S114-1		HSSVMCB2	27	312200 J003	128	
-															
068	SPIRE PLW Ch29-32 . 30+		SPA.I -		S114	021SS-38	30	114-2			HSSVMCB2	27	312200 J003	068	
057	SPIRE PLW Ch29-32 . 30-		SPA.I -		S114	021SS-38	30	114-2			HSSVMCB2	27	312200 J003	057	
128	SPIRE PLW Ch29-32 . SHD30		SPA.I -		S114	021SS-38	30	114-2	CS-S114-2		HSSVMCB2	27	312200 J003	128	
-															
069	SPIRE PLW Ch29-32 . 31+		SPA.I -		S114	021SS-38	31	114-3			HSSVMCB2	27	312200 J003	069	
080	SPIRE PLW Ch29-32 . 31-		SPA.I -		S114	021SS-38	31	114-3			HSSVMCB2	27	312200 J003	080	
128	SPIRE PLW Ch29-32 . SHD31		SPA.I -		S114	021SS-38	31	114-3	CS-S114-3		HSSVMCB2	27	312200 J003	128	
-															
070	SPIRE PLW Ch29-32 . 32+		SPA.I -		S114	021SS-38	32	114-4			HSSVMCB2	27	312200 J003	070	
081	SPIRE PLW Ch29-32 . 32-		SPA.I -		S114	021SS-38	32	114-4			HSSVMCB2	27	312200 J003	081	
128	SPIRE PLW Ch29-32 . SHD32		SPA.I -		S114	021SS-38	32	114-4	CS-S114-4		HSSVMCB2	27	312200 J003	128	
-															
128	SPIRE PMW B06 GND WIRE A2		SPX.- -		S462	010B0-30					HSSVMCB2	27	312200 J003	128	
-															
023	SPIRE PLW Ch33-36 . 33+		SPA.I -		S115	021SS-38	33	115-1			HSSVMCB2	27	312200 J003	023	
034	SPIRE PLW Ch33-36 . 33-		SPA.I -		S115	021SS-38	33	115-1			HSSVMCB2	27	312200 J003	034	
004	SPIRE PLW Ch33-36 . SHD33		SPA.I -		S115	021SS-38	33	115-1	CS-S115-1		HSSVMCB2	27	312200 J003	004	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PLW Ch33-36 . 34+		SPA.I -		S115	021SS-38	34	115-2			HSSVMCB2	27	312200 J003	033	
045	SPIRE PLW Ch33-36 . 34-		SPA.I -		S115	021SS-38	34	115-2			HSSVMCB2	27	312200 J003	045	
004	SPIRE PLW Ch33-36 . SHD34		SPA.I -		S115	021SS-38	34	115-2	CS-S115-2		HSSVMCB2	27	312200 J003	004	
-															
044	SPIRE PLW Ch33-36 . 35+		SPA.I -		S115	021SS-38	35	115-3			HSSVMCB2	27	312200 J003	044	
056	SPIRE PLW Ch33-36 . 35-		SPA.I -		S115	021SS-38	35	115-3			HSSVMCB2	27	312200 J003	056	
004	SPIRE PLW Ch33-36 . SHD35		SPA.I -		S115	021SS-38	35	115-3	CS-S115-3		HSSVMCB2	27	312200 J003	004	
-															
022	SPIRE PLW Ch33-36 . 36+		SPA.I -		S115	021SS-38	36	115-4			HSSVMCB2	27	312200 J003	022	
032	SPIRE PLW Ch33-36 . 36-		SPA.I -		S115	021SS-38	36	115-4			HSSVMCB2	27	312200 J003	032	
004	SPIRE PLW Ch33-36 . SHD36		SPA.I -		S115	021SS-38	36	115-4	CS-S115-4		HSSVMCB2	27	312200 J003	004	
-															
013	SPIRE PLW Ch37-40 . 37+		SPA.I -		S118	021SS-38	37	118-1			HSSVMCB2	27	312200 J003	013	
012	SPIRE PLW Ch37-40 . 37-		SPA.I -		S118	021SS-38	37	118-1			HSSVMCB2	27	312200 J003	012	
004	SPIRE PLW Ch37-40 . SHD37		SPA.I -		S118	021SS-38	37	118-1	CS-S118-1		HSSVMCB2	27	312200 J003	004	
-															
021	SPIRE PLW Ch37-40 . 38+		SPA.I -		S118	021SS-38	38	118-2			HSSVMCB2	27	312200 J003	021	
020	SPIRE PLW Ch37-40 . 38-		SPA.I -		S118	021SS-38	38	118-2			HSSVMCB2	27	312200 J003	020	
004	SPIRE PLW Ch37-40 . SHD38		SPA.I -		S118	021SS-38	38	118-2	CS-S118-2		HSSVMCB2	27	312200 J003	004	
-															
031	SPIRE PLW Ch37-40 . 39+		SPA.I -		S118	021SS-38	39	118-3			HSSVMCB2	27	312200 J003	031	
043	SPIRE PLW Ch37-40 . 39-		SPA.I -		S118	021SS-38	39	118-3			HSSVMCB2	27	312200 J003	043	
004	SPIRE PLW Ch37-40 . SHD39		SPA.I -		S118	021SS-38	39	118-3	CS-S118-3		HSSVMCB2	27	312200 J003	004	
-															
042	SPIRE PLW Ch37-40 . 40+		SPA.I -		S118	021SS-38	40	118-4			HSSVMCB2	27	312200 J003	042	
054	SPIRE PLW Ch37-40 . 40-		SPA.I -		S118	021SS-38	40	118-4			HSSVMCB2	27	312200 J003	054	
004	SPIRE PLW Ch37-40 . SHD40		SPA.I -		S118	021SS-38	40	118-4	CS-S118-4		HSSVMCB2	27	312200 J003	004	
-															
010	SPIRE PLW Ch41-44 . 41+		SPA.I -		S119	021SS-38	41	119-1			HSSVMCB2	27	312200 J003	010	
011	SPIRE PLW Ch41-44 . 41-		SPA.I -		S119	021SS-38	41	119-1			HSSVMCB2	27	312200 J003	011	
004	SPIRE PLW Ch41-44 . SHD41		SPA.I -		S119	021SS-38	41	119-1	CS-S119-1		HSSVMCB2	27	312200 J003	004	
-															
019	SPIRE PLW Ch41-44 . 42+		SPA.I -		S119	021SS-38	42	119-2			HSSVMCB2	27	312200 J003	019	
029	SPIRE PLW Ch41-44 . 42-		SPA.I -		S119	021SS-38	42	119-2			HSSVMCB2	27	312200 J003	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PLW Ch41-44 . SHD42		SPA.I	-	S119	021SS-38	42	119-2		CS-S119-2	HSSVMCB2	27	312200 J003	004	
-															
041	SPIRE PLW Ch41-44 . 43+		SPA.I	-	S119	021SS-38	43	119-3			HSSVMCB2	27	312200 J003	041	
030	SPIRE PLW Ch41-44 . 43-		SPA.I	-	S119	021SS-38	43	119-3			HSSVMCB2	27	312200 J003	030	
004	SPIRE PLW Ch41-44 . SHD43		SPA.I	-	S119	021SS-38	43	119-3		CS-S119-3	HSSVMCB2	27	312200 J003	004	
-															
053	SPIRE PLW Ch41-44 . 44+		SPA.I	-	S119	021SS-38	44	119-4			HSSVMCB2	27	312200 J003	053	
052	SPIRE PLW Ch41-44 . 44-		SPA.I	-	S119	021SS-38	44	119-4			HSSVMCB2	27	312200 J003	052	
004	SPIRE PLW Ch41-44 . SHD44		SPA.I	-	S119	021SS-38	44	119-4		CS-S119-4	HSSVMCB2	27	312200 J003	004	
-															
009	SPIRE PLW Ch45-48 . 45+		SPA.I	-	S120	021SS-38	45	120-1			HSSVMCB2	27	312200 J003	009	
017	SPIRE PLW Ch45-48 . 45-		SPA.I	-	S120	021SS-38	45	120-1			HSSVMCB2	27	312200 J003	017	
004	SPIRE PLW Ch45-48 . SHD45		SPA.I	-	S120	021SS-38	45	120-1		CS-S120-1	HSSVMCB2	27	312200 J003	004	
-															
018	SPIRE PLW Ch45-48 . 46+		SPA.I	-	S120	021SS-38	46	120-2			HSSVMCB2	27	312200 J003	018	
028	SPIRE PLW Ch45-48 . 46-		SPA.I	-	S120	021SS-38	46	120-2			HSSVMCB2	27	312200 J003	028	
004	SPIRE PLW Ch45-48 . SHD46		SPA.I	-	S120	021SS-38	46	120-2		CS-S120-2	HSSVMCB2	27	312200 J003	004	
-															
016	SPIRE PLW Ch45-48 . 47+		SPA.I	-	S120	021SS-38	47	120-3			HSSVMCB2	27	312200 J003	016	
027	SPIRE PLW Ch45-48 . 47-		SPA.I	-	S120	021SS-38	47	120-3			HSSVMCB2	27	312200 J003	027	
004	SPIRE PLW Ch45-48 . SHD47		SPA.I	-	S120	021SS-38	47	120-3		CS-S120-3	HSSVMCB2	27	312200 J003	004	
-															
040	SPIRE PLW Ch45-48 . 48+		SPA.I	-	S120	021SS-38	48	120-4			HSSVMCB2	27	312200 J003	040	
039	SPIRE PLW Ch45-48 . 48-		SPA.I	-	S120	021SS-38	48	120-4			HSSVMCB2	27	312200 J003	039	
004	SPIRE PLW Ch45-48 . SHD48		SPA.I	-	S120	021SS-38	48	120-4		CS-S120-4	HSSVMCB2	27	312200 J003	004	
-															
004	SPIRE PMW B06 GND WIRE A4		SPX.-	-	S464	010B0-30					HSSVMCB2	27	312200 J003	004	
-															
047	SPIRE PMW B06 GND WIRE A3		SPX.-	-	S463	010B0-30					HSSVMCB2	27	312200 J003	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P024**Function / Bundle:** UFThr 215.0° / SIH-XS-06**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 293 (of 599)

Connector: 211121 P024
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PLW Ch01-04 . 1+		SPA.I -		S104	021SS-38	1	104-1			CVVUCR	33	211121 P024	026	
037	SPIRE PLW Ch01-04 . 1-		SPA.I -		S104	021SS-38	1	104-1			CVVUCR	33	211121 P024	037	
036	SPIRE PLW Ch01-04 . SHD01		SPA.I -		S104	021SS-38	1	104-1	CS-S104-1		CVVUCR	33	211121 P024	036	
-															
038	SPIRE PLW Ch01-04 . 2+		SPA.I -		S104	021SS-38	2	104-2			CVVUCR	33	211121 P024	038	
049	SPIRE PLW Ch01-04 . 2-		SPA.I -		S104	021SS-38	2	104-2			CVVUCR	33	211121 P024	049	
036	SPIRE PLW Ch01-04 . SHD02		SPA.I -		S104	021SS-38	2	104-2	CS-S104-2		CVVUCR	33	211121 P024	036	
-															
048	SPIRE PLW Ch01-04 . 3+		SPA.I -		S104	021SS-38	3	104-3			CVVUCR	33	211121 P024	048	
060	SPIRE PLW Ch01-04 . 3-		SPA.I -		S104	021SS-38	3	104-3			CVVUCR	33	211121 P024	060	
036	SPIRE PLW Ch01-04 . SHD03		SPA.I -		S104	021SS-38	3	104-3	CS-S104-3		CVVUCR	33	211121 P024	036	
-															
059	SPIRE PLW Ch01-04 . 4+		SPA.I -		S104	021SS-38	4	104-4			CVVUCR	33	211121 P024	059	
071	SPIRE PLW Ch01-04 . 4-		SPA.I -		S104	021SS-38	4	104-4			CVVUCR	33	211121 P024	071	
036	SPIRE PLW Ch01-04 . SHD04		SPA.I -		S104	021SS-38	4	104-4	CS-S104-4		CVVUCR	33	211121 P024	036	
-															
050	SPIRE PLW Ch05-08 . 5+		SPA.I -		S105	021SS-38	5	105-1			CVVUCR	33	211121 P024	050	
061	SPIRE PLW Ch05-08 . 5-		SPA.I -		S105	021SS-38	5	105-1			CVVUCR	33	211121 P024	061	
036	SPIRE PLW Ch05-08 . SHD05		SPA.I -		S105	021SS-38	5	105-1	CS-S105-1		CVVUCR	33	211121 P024	036	
-															
062	SPIRE PLW Ch05-08 . 6+		SPA.I -		S105	021SS-38	6	105-2			CVVUCR	33	211121 P024	062	
051	SPIRE PLW Ch05-08 . 6-		SPA.I -		S105	021SS-38	6	105-2			CVVUCR	33	211121 P024	051	
036	SPIRE PLW Ch05-08 . SHD06		SPA.I -		S105	021SS-38	6	105-2	CS-S105-2		CVVUCR	33	211121 P024	036	
-															
063	SPIRE PLW Ch05-08 . 7+		SPA.I -		S105	021SS-38	7	105-3			CVVUCR	33	211121 P024	063	
075	SPIRE PLW Ch05-08 . 7-		SPA.I -		S105	021SS-38	7	105-3			CVVUCR	33	211121 P024	075	
036	SPIRE PLW Ch05-08 . SHD07		SPA.I -		S105	021SS-38	7	105-3	CS-S105-3		CVVUCR	33	211121 P024	036	
-															
074	SPIRE PLW Ch05-08 . 8+		SPA.I -		S105	021SS-38	8	105-4			CVVUCR	33	211121 P024	074	
073	SPIRE PLW Ch05-08 . 8-		SPA.I -		S105	021SS-38	8	105-4			CVVUCR	33	211121 P024	073	
036	SPIRE PLW Ch05-08 . SHD08		SPA.I -		S105	021SS-38	8	105-4	CS-S105-4		CVVUCR	33	211121 P024	036	
-															
083	SPIRE PLW Ch09-12 . 9+		SPA.I -		S106	021SS-38	9	106-1			CVVUCR	33	211121 P024	083	
072	SPIRE PLW Ch09-12 . 9-		SPA.I -		S106	021SS-38	9	106-1			CVVUCR	33	211121 P024	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PLW Ch09-12 . SHD09		SPA.I	-	S106	021SS-38	9	106-1		CS-S106-1	CVVUCR	33	211121 P024	036	
-															
095	SPIRE PLW Ch09-12 . 10+		SPA.I	-	S106	021SS-38	10	106-2			CVVUCR	33	211121 P024	095	
084	SPIRE PLW Ch09-12 . 10-		SPA.I	-	S106	021SS-38	10	106-2			CVVUCR	33	211121 P024	084	
036	SPIRE PLW Ch09-12 . SHD10		SPA.I	-	S106	021SS-38	10	106-2		CS-S106-2	CVVUCR	33	211121 P024	036	
-															
096	SPIRE PLW Ch09-12 . 11+		SPA.I	-	S106	021SS-38	11	106-3			CVVUCR	33	211121 P024	096	
085	SPIRE PLW Ch09-12 . 11-		SPA.I	-	S106	021SS-38	11	106-3			CVVUCR	33	211121 P024	085	
036	SPIRE PLW Ch09-12 . SHD11		SPA.I	-	S106	021SS-38	11	106-3		CS-S106-3	CVVUCR	33	211121 P024	036	
-															
106	SPIRE PLW Ch09-12 . 12+		SPA.I	-	S106	021SS-38	12	106-4			CVVUCR	33	211121 P024	106	
107	SPIRE PLW Ch09-12 . 12-		SPA.I	-	S106	021SS-38	12	106-4			CVVUCR	33	211121 P024	107	
036	SPIRE PLW Ch09-12 . SHD12		SPA.I	-	S106	021SS-38	12	106-4		CS-S106-4	CVVUCR	33	211121 P024	036	
-															
086	SPIRE PLW Ch13-16 . 13+		SPA.I	-	S109	021SS-38	13	109-1			CVVUCR	33	211121 P024	086	
087	SPIRE PLW Ch13-16 . 13-		SPA.I	-	S109	021SS-38	13	109-1			CVVUCR	33	211121 P024	087	
036	SPIRE PLW Ch13-16 . SHD13		SPA.I	-	S109	021SS-38	13	109-1		CS-S109-1	CVVUCR	33	211121 P024	036	
-															
097	SPIRE PLW Ch13-16 . 14+		SPA.I	-	S109	021SS-38	14	109-2			CVVUCR	33	211121 P024	097	
098	SPIRE PLW Ch13-16 . 14-		SPA.I	-	S109	021SS-38	14	109-2			CVVUCR	33	211121 P024	098	
036	SPIRE PLW Ch13-16 . SHD14		SPA.I	-	S109	021SS-38	14	109-2		CS-S109-2	CVVUCR	33	211121 P024	036	
-															
108	SPIRE PLW Ch13-16 . 15+		SPA.I	-	S109	021SS-38	15	109-3			CVVUCR	33	211121 P024	108	
109	SPIRE PLW Ch13-16 . 15-		SPA.I	-	S109	021SS-38	15	109-3			CVVUCR	33	211121 P024	109	
036	SPIRE PLW Ch13-16 . SHD15		SPA.I	-	S109	021SS-38	15	109-3		CS-S109-3	CVVUCR	33	211121 P024	036	
-															
116	SPIRE PLW Ch13-16 . 16+		SPA.I	-	S109	021SS-38	16	109-4			CVVUCR	33	211121 P024	116	
117	SPIRE PLW Ch13-16 . 16-		SPA.I	-	S109	021SS-38	16	109-4			CVVUCR	33	211121 P024	117	
036	SPIRE PLW Ch13-16 . SHD16		SPA.I	-	S109	021SS-38	16	109-4		CS-S109-4	CVVUCR	33	211121 P024	036	
-															
036	SPIRE PLW B06 GND WIRE A1		SPX.-	-	S461	010B0-30					CVVUCR	33	211121 P024	036	
-															
055	SPIRE PLW Ch17-20 . 17+		SPA.I	-	S110	021SS-38	17	110-1			CVVUCR	33	211121 P024	055	
066	SPIRE PLW Ch17-20 . 17-		SPA.I	-	S110	021SS-38	17	110-1			CVVUCR	33	211121 P024	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PLW Ch17-20 . SHD17		SPA.I	-	S110	021SS-38	17	110-1		CS-S110-1	CVVUCR	33	211121 P024	128	
-															
067	SPIRE PLW Ch17-20 . 18+		SPA.I	-	S110	021SS-38	18	110-2			CVVUCR	33	211121 P024	067	
078	SPIRE PLW Ch17-20 . 18-		SPA.I	-	S110	021SS-38	18	110-2			CVVUCR	33	211121 P024	078	
128	SPIRE PLW Ch17-20 . SHD18		SPA.I	-	S110	021SS-38	18	110-2		CS-S110-2	CVVUCR	33	211121 P024	128	
-															
076	SPIRE PLW Ch17-20 . 19+		SPA.I	-	S110	021SS-38	19	110-3			CVVUCR	33	211121 P024	076	
077	SPIRE PLW Ch17-20 . 19-		SPA.I	-	S110	021SS-38	19	110-3			CVVUCR	33	211121 P024	077	
128	SPIRE PLW Ch17-20 . SHD19		SPA.I	-	S110	021SS-38	19	110-3		CS-S110-3	CVVUCR	33	211121 P024	128	
-															
088	SPIRE PLW Ch17-20 . 20+		SPA.I	-	S110	021SS-38	20	110-4			CVVUCR	33	211121 P024	088	
089	SPIRE PLW Ch17-20 . 20-		SPA.I	-	S110	021SS-38	20	110-4			CVVUCR	33	211121 P024	089	
128	SPIRE PLW Ch17-20 . SHD20		SPA.I	-	S110	021SS-38	20	110-4		CS-S110-4	CVVUCR	33	211121 P024	128	
-															
099	SPIRE PLW Ch21-24 . 21+		SPA.I	-	S111	021SS-38	21	111-1			CVVUCR	33	211121 P024	099	
100	SPIRE PLW Ch21-24 . 21-		SPA.I	-	S111	021SS-38	21	111-1			CVVUCR	33	211121 P024	100	
128	SPIRE PLW Ch21-24 . SHD21		SPA.I	-	S111	021SS-38	21	111-1		CS-S111-1	CVVUCR	33	211121 P024	128	
-															
110	SPIRE PLW Ch21-24 . 22+		SPA.I	-	S111	021SS-38	22	111-2			CVVUCR	33	211121 P024	110	
111	SPIRE PLW Ch21-24 . 22-		SPA.I	-	S111	021SS-38	22	111-2			CVVUCR	33	211121 P024	111	
128	SPIRE PLW Ch21-24 . SHD22		SPA.I	-	S111	021SS-38	22	111-2		CS-S111-2	CVVUCR	33	211121 P024	128	
-															
118	SPIRE PLW Ch21-24 . 23+		SPA.I	-	S111	021SS-38	23	111-3			CVVUCR	33	211121 P024	118	
119	SPIRE PLW Ch21-24 . 23-		SPA.I	-	S111	021SS-38	23	111-3			CVVUCR	33	211121 P024	119	
128	SPIRE PLW Ch21-24 . SHD23		SPA.I	-	S111	021SS-38	23	111-3		CS-S111-3	CVVUCR	33	211121 P024	128	
-															
112	SPIRE PLW Ch21-24 . 24+		SPA.I	-	S111	021SS-38	24	111-4			CVVUCR	33	211121 P024	112	
120	SPIRE PLW Ch21-24 . 24-		SPA.I	-	S111	021SS-38	24	111-4			CVVUCR	33	211121 P024	120	
128	SPIRE PLW Ch21-24 . SHD24		SPA.I	-	S111	021SS-38	24	111-4		CS-S111-4	CVVUCR	33	211121 P024	128	
-															
090	SPIRE PLW Ch25-28 . 25+		SPA.I	-	S113	021SS-38	25	113-1			CVVUCR	33	211121 P024	090	
079	SPIRE PLW Ch25-28 . 25-		SPA.I	-	S113	021SS-38	25	113-1			CVVUCR	33	211121 P024	079	
128	SPIRE PLW Ch25-28 . 25gnd		SPA.I	-	S113	021SS-38	25	113-1		CS-S113-1	CVVUCR	33	211121 P024	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
102	SPIRE PLW Ch25-28 . 26+		SPA.I	-	S113	021SS-38	26	113-2		CVVUCR	33	211121 P024	102	
101	SPIRE PLW Ch25-28 . 26-		SPA.I	-	S113	021SS-38	26	113-2		CVVUCR	33	211121 P024	101	
128	SPIRE PLW Ch25-28 . SHD26		SPA.I	-	S113	021SS-38	26	113-2	CS-S113-2	CVVUCR	33	211121 P024	128	
-														
092	SPIRE PLW Ch25-28 . 27+		SPA.I	-	S113	021SS-38	27	113-3		CVVUCR	33	211121 P024	092	
091	SPIRE PLW Ch25-28 . 27-		SPA.I	-	S113	021SS-38	27	113-3		CVVUCR	33	211121 P024	091	
128	SPIRE PLW Ch25-28 . SHD27		SPA.I	-	S113	021SS-38	27	113-3	CS-S113-3	CVVUCR	33	211121 P024	128	
-														
103	SPIRE PLW Ch25-28 . 28+		SPA.I	-	S113	021SS-38	28	113-4		CVVUCR	33	211121 P024	103	
113	SPIRE PLW Ch25-28 . 28-		SPA.I	-	S113	021SS-38	28	113-4		CVVUCR	33	211121 P024	113	
128	SPIRE PLW Ch25-28 . SHD28		SPA.I	-	S113	021SS-38	28	113-4	CS-S113-4	CVVUCR	33	211121 P024	128	
-														
058	SPIRE PLW Ch29-32 . 29+		SPA.I	-	S114	021SS-38	29	114-1		CVVUCR	33	211121 P024	058	
046	SPIRE PLW Ch29-32 . 29-		SPA.I	-	S114	021SS-38	29	114-1		CVVUCR	33	211121 P024	046	
128	SPIRE PLW Ch29-32 . SHD29		SPA.I	-	S114	021SS-38	29	114-1	CS-S114-1	CVVUCR	33	211121 P024	128	
-														
068	SPIRE PLW Ch29-32 . 30+		SPA.I	-	S114	021SS-38	30	114-2		CVVUCR	33	211121 P024	068	
057	SPIRE PLW Ch29-32 . 30-		SPA.I	-	S114	021SS-38	30	114-2		CVVUCR	33	211121 P024	057	
128	SPIRE PLW Ch29-32 . SHD30		SPA.I	-	S114	021SS-38	30	114-2	CS-S114-2	CVVUCR	33	211121 P024	128	
-														
069	SPIRE PLW Ch29-32 . 31+		SPA.I	-	S114	021SS-38	31	114-3		CVVUCR	33	211121 P024	069	
080	SPIRE PLW Ch29-32 . 31-		SPA.I	-	S114	021SS-38	31	114-3		CVVUCR	33	211121 P024	080	
128	SPIRE PLW Ch29-32 . SHD31		SPA.I	-	S114	021SS-38	31	114-3	CS-S114-3	CVVUCR	33	211121 P024	128	
-														
070	SPIRE PLW Ch29-32 . 32+		SPA.I	-	S114	021SS-38	32	114-4		CVVUCR	33	211121 P024	070	
081	SPIRE PLW Ch29-32 . 32-		SPA.I	-	S114	021SS-38	32	114-4		CVVUCR	33	211121 P024	081	
128	SPIRE PLW Ch29-32 . SHD32		SPA.I	-	S114	021SS-38	32	114-4	CS-S114-4	CVVUCR	33	211121 P024	128	
-														
128	SPIRE PMW B06 GND WIRE A2		SPX.-	-	S462	010B0-30				CVVUCR	33	211121 P024	128	
-														
023	SPIRE PLW Ch33-36 . 33+		SPA.I	-	S115	021SS-38	33	115-1		CVVUCR	33	211121 P024	023	
034	SPIRE PLW Ch33-36 . 33-		SPA.I	-	S115	021SS-38	33	115-1		CVVUCR	33	211121 P024	034	
004	SPIRE PLW Ch33-36 . SHD33		SPA.I	-	S115	021SS-38	33	115-1	CS-S115-1	CVVUCR	33	211121 P024	004	
-														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
033	SPIRE PLW Ch33-36 . 34+		SPA.I -		S115	021SS-38	34	115-2		CVVUCR	33	211121 P024	033	
045	SPIRE PLW Ch33-36 . 34-		SPA.I -		S115	021SS-38	34	115-2		CVVUCR	33	211121 P024	045	
004	SPIRE PLW Ch33-36 . SHD34		SPA.I -		S115	021SS-38	34	115-2	CS-S115-2	CVVUCR	33	211121 P024	004	
-														
044	SPIRE PLW Ch33-36 . 35+		SPA.I -		S115	021SS-38	35	115-3		CVVUCR	33	211121 P024	044	
056	SPIRE PLW Ch33-36 . 35-		SPA.I -		S115	021SS-38	35	115-3		CVVUCR	33	211121 P024	056	
004	SPIRE PLW Ch33-36 . SHD35		SPA.I -		S115	021SS-38	35	115-3	CS-S115-3	CVVUCR	33	211121 P024	004	
-														
022	SPIRE PLW Ch33-36 . 36+		SPA.I -		S115	021SS-38	36	115-4		CVVUCR	33	211121 P024	022	
032	SPIRE PLW Ch33-36 . 36-		SPA.I -		S115	021SS-38	36	115-4		CVVUCR	33	211121 P024	032	
004	SPIRE PLW Ch33-36 . SHD36		SPA.I -		S115	021SS-38	36	115-4	CS-S115-4	CVVUCR	33	211121 P024	004	
-														
013	SPIRE PLW Ch37-40 . 37+		SPA.I -		S118	021SS-38	37	118-1		CVVUCR	33	211121 P024	013	
012	SPIRE PLW Ch37-40 . 37-		SPA.I -		S118	021SS-38	37	118-1		CVVUCR	33	211121 P024	012	
004	SPIRE PLW Ch37-40 . SHD37		SPA.I -		S118	021SS-38	37	118-1	CS-S118-1	CVVUCR	33	211121 P024	004	
-														
021	SPIRE PLW Ch37-40 . 38+		SPA.I -		S118	021SS-38	38	118-2		CVVUCR	33	211121 P024	021	
020	SPIRE PLW Ch37-40 . 38-		SPA.I -		S118	021SS-38	38	118-2		CVVUCR	33	211121 P024	020	
004	SPIRE PLW Ch37-40 . SHD38		SPA.I -		S118	021SS-38	38	118-2	CS-S118-2	CVVUCR	33	211121 P024	004	
-														
031	SPIRE PLW Ch37-40 . 39+		SPA.I -		S118	021SS-38	39	118-3		CVVUCR	33	211121 P024	031	
043	SPIRE PLW Ch37-40 . 39-		SPA.I -		S118	021SS-38	39	118-3		CVVUCR	33	211121 P024	043	
004	SPIRE PLW Ch37-40 . SHD39		SPA.I -		S118	021SS-38	39	118-3	CS-S118-3	CVVUCR	33	211121 P024	004	
-														
042	SPIRE PLW Ch37-40 . 40+		SPA.I -		S118	021SS-38	40	118-4		CVVUCR	33	211121 P024	042	
054	SPIRE PLW Ch37-40 . 40-		SPA.I -		S118	021SS-38	40	118-4		CVVUCR	33	211121 P024	054	
004	SPIRE PLW Ch37-40 . SHD40		SPA.I -		S118	021SS-38	40	118-4	CS-S118-4	CVVUCR	33	211121 P024	004	
-														
010	SPIRE PLW Ch41-44 . 41+		SPA.I -		S119	021SS-38	41	119-1		CVVUCR	33	211121 P024	010	
011	SPIRE PLW Ch41-44 . 41-		SPA.I -		S119	021SS-38	41	119-1		CVVUCR	33	211121 P024	011	
004	SPIRE PLW Ch41-44 . SHD41		SPA.I -		S119	021SS-38	41	119-1	CS-S119-1	CVVUCR	33	211121 P024	004	
-														
019	SPIRE PLW Ch41-44 . 42+		SPA.I -		S119	021SS-38	42	119-2		CVVUCR	33	211121 P024	019	
029	SPIRE PLW Ch41-44 . 42-		SPA.I -		S119	021SS-38	42	119-2		CVVUCR	33	211121 P024	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
004	SPIRE PLW Ch41-44 . SHD42		SPA.I	-	S119	021SS-38	42	119-2	CS-S119-2	CVVUCR	33	211121 P024	004	
-														
041	SPIRE PLW Ch41-44 . 43+		SPA.I	-	S119	021SS-38	43	119-3		CVVUCR	33	211121 P024	041	
030	SPIRE PLW Ch41-44 . 43-		SPA.I	-	S119	021SS-38	43	119-3		CVVUCR	33	211121 P024	030	
004	SPIRE PLW Ch41-44 . SHD43		SPA.I	-	S119	021SS-38	43	119-3	CS-S119-3	CVVUCR	33	211121 P024	004	
-														
053	SPIRE PLW Ch41-44 . 44+		SPA.I	-	S119	021SS-38	44	119-4		CVVUCR	33	211121 P024	053	
052	SPIRE PLW Ch41-44 . 44-		SPA.I	-	S119	021SS-38	44	119-4		CVVUCR	33	211121 P024	052	
004	SPIRE PLW Ch41-44 . SHD44		SPA.I	-	S119	021SS-38	44	119-4	CS-S119-4	CVVUCR	33	211121 P024	004	
-														
009	SPIRE PLW Ch45-48 . 45+		SPA.I	-	S120	021SS-38	45	120-1		CVVUCR	33	211121 P024	009	
017	SPIRE PLW Ch45-48 . 45-		SPA.I	-	S120	021SS-38	45	120-1		CVVUCR	33	211121 P024	017	
004	SPIRE PLW Ch45-48 . SHD45		SPA.I	-	S120	021SS-38	45	120-1	CS-S120-1	CVVUCR	33	211121 P024	004	
-														
018	SPIRE PLW Ch45-48 . 46+		SPA.I	-	S120	021SS-38	46	120-2		CVVUCR	33	211121 P024	018	
028	SPIRE PLW Ch45-48 . 46-		SPA.I	-	S120	021SS-38	46	120-2		CVVUCR	33	211121 P024	028	
004	SPIRE PLW Ch45-48 . SHD46		SPA.I	-	S120	021SS-38	46	120-2	CS-S120-2	CVVUCR	33	211121 P024	004	
-														
016	SPIRE PLW Ch45-48 . 47+		SPA.I	-	S120	021SS-38	47	120-3		CVVUCR	33	211121 P024	016	
027	SPIRE PLW Ch45-48 . 47-		SPA.I	-	S120	021SS-38	47	120-3		CVVUCR	33	211121 P024	027	
004	SPIRE PLW Ch45-48 . SHD47		SPA.I	-	S120	021SS-38	47	120-3	CS-S120-3	CVVUCR	33	211121 P024	004	
-														
040	SPIRE PLW Ch45-48 . 48+		SPA.I	-	S120	021SS-38	48	120-4		CVVUCR	33	211121 P024	040	
039	SPIRE PLW Ch45-48 . 48-		SPA.I	-	S120	021SS-38	48	120-4		CVVUCR	33	211121 P024	039	
004	SPIRE PLW Ch45-48 . SHD48		SPA.I	-	S120	021SS-38	48	120-4	CS-S120-4	CVVUCR	33	211121 P024	004	
-														
004	SPIRE PMW B06 GND WIRE A4		SPX.-	-	S464	010B0-30				CVVUCR	33	211121 P024	004	
-														
047	SPIRE PMW B06 GND WIRE A3		SPX.-	-	S463	010B0-30				CVVUCR	33	211121 P024	047	
-														
036	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
004	to be con to pin 036													
047	to be con to pin 036													
128	to be con to pin 036													

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

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

Issue : 3.0 Date : 27.02.2009

Sheet : 301 (of 599)

Connector: 312200 J003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (5) Ch01-04 . 1+		SPC.I -		S158	021SS-38	1	158-1		HSSVMCB2	27	312200 J004	026		
037	SPIRE PSW (5) Ch01-04 . 1-		SPC.I -		S158	021SS-38	1	158-1		HSSVMCB2	27	312200 J004	037		
036	SPIRE PSW (5) Ch01-04 . SHD01		SPC.I -		S158	021SS-38	1	158-1	CS-S158-1	HSSVMCB2	27	312200 J004	036		
-															
038	SPIRE PSW (5) Ch01-04 . 2+		SPC.I -		S158	021SS-38	2	158-2		HSSVMCB2	27	312200 J004	038		
049	SPIRE PSW (5) Ch01-04 . 2-		SPC.I -		S158	021SS-38	2	158-2		HSSVMCB2	27	312200 J004	049		
036	SPIRE PSW (5) Ch01-04 . SHD02		SPC.I -		S158	021SS-38	2	158-2	CS-S158-2	HSSVMCB2	27	312200 J004	036		
-															
048	SPIRE PSW (5) Ch01-04 . 3+		SPC.I -		S158	021SS-38	3	158-3		HSSVMCB2	27	312200 J004	048		
060	SPIRE PSW (5) Ch01-04 . 3-		SPC.I -		S158	021SS-38	3	158-3		HSSVMCB2	27	312200 J004	060		
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.I -		S158	021SS-38	3	158-3	CS-S158-3	HSSVMCB2	27	312200 J004	036		
-															
059	SPIRE PSW (5) Ch01-04 . 4+		SPC.I -		S158	021SS-38	4	158-4		HSSVMCB2	27	312200 J004	059		
071	SPIRE PSW (5) Ch01-04 . 4-		SPC.I -		S158	021SS-38	4	158-4		HSSVMCB2	27	312200 J004	071		
036	SPIRE PSW (5) Ch01-04 . SHD04		SPC.I -		S158	021SS-38	4	158-4	CS-S158-4	HSSVMCB2	27	312200 J004	036		
-															
050	SPIRE PSW (5) Ch05-08 . 5+		SPC.I -		S159	021SS-38	5	159-1		HSSVMCB2	27	312200 J004	050		
061	SPIRE PSW (5) Ch05-08 . 5-		SPC.I -		S159	021SS-38	5	159-1		HSSVMCB2	27	312200 J004	061		
036	SPIRE PSW (5) Ch05-08 . SHD05		SPC.I -		S159	021SS-38	5	159-1	CS-S159-1	HSSVMCB2	27	312200 J004	036		
-															
062	SPIRE PSW (5) Ch05-08 . 6+		SPC.I -		S159	021SS-38	6	159-2		HSSVMCB2	27	312200 J004	062		
051	SPIRE PSW (5) Ch05-08 . 6-		SPC.I -		S159	021SS-38	6	159-2		HSSVMCB2	27	312200 J004	051		
036	SPIRE PSW (5) Ch05-08 . SHD06		SPC.I -		S159	021SS-38	6	159-2	CS-S159-2	HSSVMCB2	27	312200 J004	036		
-															
063	SPIRE PSW (5) Ch05-08 . 7+		SPC.I -		S159	021SS-38	7	159-3		HSSVMCB2	27	312200 J004	063		
075	SPIRE PSW (5) Ch05-08 . 7-		SPC.I -		S159	021SS-38	7	159-3		HSSVMCB2	27	312200 J004	075		
036	SPIRE PSW (5) Ch05-08 . SHD07		SPC.I -		S159	021SS-38	7	159-3	CS-S159-3	HSSVMCB2	27	312200 J004	036		
-															
074	SPIRE PSW (5) Ch05-08 . 8+		SPC.I -		S159	021SS-38	8	159-4		HSSVMCB2	27	312200 J004	074		
073	SPIRE PSW (5) Ch05-08 . 8-		SPC.I -		S159	021SS-38	8	159-4		HSSVMCB2	27	312200 J004	073		
036	SPIRE PSW (5) Ch05-08 . SHD08		SPC.I -		S159	021SS-38	8	159-4	CS-S159-4	HSSVMCB2	27	312200 J004	036		
-															
083	SPIRE PSW (5) Ch09-12 . 9+		SPC.I -		S160	021SS-38	9	160-1		HSSVMCB2	27	312200 J004	083		
072	SPIRE PSW (5) Ch09-12 . 9-		SPC.I -		S160	021SS-38	9	160-1		HSSVMCB2	27	312200 J004	072		

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.I	-	S160	021SS-38	9	160-1		CS-S160-1	HSSVMCB2	27	312200 J004	036	
-															
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.I	-	S160	021SS-38	10	160-2			HSSVMCB2	27	312200 J004	095	
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.I	-	S160	021SS-38	10	160-2			HSSVMCB2	27	312200 J004	084	
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.I	-	S160	021SS-38	10	160-2		CS-S160-2	HSSVMCB2	27	312200 J004	036	
-															
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.I	-	S160	021SS-38	11	160-3			HSSVMCB2	27	312200 J004	096	
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.I	-	S160	021SS-38	11	160-3			HSSVMCB2	27	312200 J004	085	
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.I	-	S160	021SS-38	11	160-3		CS-S160-3	HSSVMCB2	27	312200 J004	036	
-															
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.I	-	S160	021SS-38	12	160-4			HSSVMCB2	27	312200 J004	106	
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.I	-	S160	021SS-38	12	160-4			HSSVMCB2	27	312200 J004	107	
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.I	-	S160	021SS-38	12	160-4		CS-S160-4	HSSVMCB2	27	312200 J004	036	
-															
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.I	-	S163	021SS-38	13	163-1			HSSVMCB2	27	312200 J004	086	
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.I	-	S163	021SS-38	13	163-1			HSSVMCB2	27	312200 J004	087	
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.I	-	S163	021SS-38	13	163-1		CS-S163-1	HSSVMCB2	27	312200 J004	036	
-															
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.I	-	S163	021SS-38	14	163-2			HSSVMCB2	27	312200 J004	097	
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.I	-	S163	021SS-38	14	163-2			HSSVMCB2	27	312200 J004	098	
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.I	-	S163	021SS-38	14	163-2		CS-S163-2	HSSVMCB2	27	312200 J004	036	
-															
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.I	-	S163	021SS-38	15	163-3			HSSVMCB2	27	312200 J004	108	
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.I	-	S163	021SS-38	15	163-3			HSSVMCB2	27	312200 J004	109	
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.I	-	S163	021SS-38	15	163-3		CS-S163-3	HSSVMCB2	27	312200 J004	036	
-															
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.I	-	S163	021SS-38	16	163-4			HSSVMCB2	27	312200 J004	116	
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.I	-	S163	021SS-38	16	163-4			HSSVMCB2	27	312200 J004	117	
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.I	-	S163	021SS-38	16	163-4		CS-S163-4	HSSVMCB2	27	312200 J004	036	
-															
036	SPIRE PLW B07 GND WIRE A1		SPX.-	-	S471	010B0-30					HSSVMCB2	27	312200 J004	036	
-															
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.I	-	S164	021SS-38	17	164-1			HSSVMCB2	27	312200 J004	055	
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.I	-	S164	021SS-38	17	164-1			HSSVMCB2	27	312200 J004	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.I	-	S164	021SS-38	17	164-1		CS-S164-1	HSSVMCB2	27	312200 J004	128	
-															
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.I	-	S164	021SS-38	18	164-2			HSSVMCB2	27	312200 J004	067	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.I	-	S164	021SS-38	18	164-2			HSSVMCB2	27	312200 J004	078	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.I	-	S164	021SS-38	18	164-2		CS-S164-2	HSSVMCB2	27	312200 J004	128	
-															
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.I	-	S164	021SS-38	19	164-3			HSSVMCB2	27	312200 J004	076	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.I	-	S164	021SS-38	19	164-3			HSSVMCB2	27	312200 J004	077	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.I	-	S164	021SS-38	19	164-3		CS-S164-3	HSSVMCB2	27	312200 J004	128	
-															
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.I	-	S164	021SS-38	20	164-4			HSSVMCB2	27	312200 J004	088	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.I	-	S164	021SS-38	20	164-4			HSSVMCB2	27	312200 J004	089	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.I	-	S164	021SS-38	20	164-4		CS-S164-4	HSSVMCB2	27	312200 J004	128	
-															
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.I	-	S165	021SS-38	21	165-1			HSSVMCB2	27	312200 J004	099	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.I	-	S165	021SS-38	21	165-1			HSSVMCB2	27	312200 J004	100	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.I	-	S165	021SS-38	21	165-1		CS-S165-1	HSSVMCB2	27	312200 J004	128	
-															
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.I	-	S165	021SS-38	22	165-2			HSSVMCB2	27	312200 J004	110	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.I	-	S165	021SS-38	22	165-2			HSSVMCB2	27	312200 J004	111	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.I	-	S165	021SS-38	22	165-2		CS-S165-2	HSSVMCB2	27	312200 J004	128	
-															
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.I	-	S165	021SS-38	23	165-3			HSSVMCB2	27	312200 J004	118	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.I	-	S165	021SS-38	23	165-3			HSSVMCB2	27	312200 J004	119	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.I	-	S165	021SS-38	23	165-3		CS-S165-3	HSSVMCB2	27	312200 J004	128	
-															
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.I	-	S165	021SS-38	24	165-4			HSSVMCB2	27	312200 J004	112	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.I	-	S165	021SS-38	24	165-4			HSSVMCB2	27	312200 J004	120	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.I	-	S165	021SS-38	24	165-4		CS-S165-4	HSSVMCB2	27	312200 J004	128	
-															
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.I	-	S167	021SS-38	25	167-1			HSSVMCB2	27	312200 J004	090	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.I	-	S167	021SS-38	25	167-1			HSSVMCB2	27	312200 J004	079	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.I	-	S167	021SS-38	25	167-1		CS-S167-1	HSSVMCB2	27	312200 J004	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW (6) Ch25-28 . 26+	SPC.I	-		S167	021SS-38	26	167-2		HSSVMCB2	27	312200 J004	102		
101	SPIRE PSW (6) Ch25-28 . 26-	SPC.I	-		S167	021SS-38	26	167-2		HSSVMCB2	27	312200 J004	101		
128	SPIRE PSW (6) Ch25-28 . SHD26	SPC.I	-		S167	021SS-38	26	167-2	CS-S167-2	HSSVMCB2	27	312200 J004	128		
-															
092	SPIRE PSW (6) Ch25-28 . 27+	SPC.I	-		S167	021SS-38	27	167-3		HSSVMCB2	27	312200 J004	092		
091	SPIRE PSW (6) Ch25-28 . 27-	SPC.I	-		S167	021SS-38	27	167-3		HSSVMCB2	27	312200 J004	091		
128	SPIRE PSW (6) Ch25-28 . SHD27	SPC.I	-		S167	021SS-38	27	167-3	CS-S167-3	HSSVMCB2	27	312200 J004	128		
-															
103	SPIRE PSW (6) Ch25-28 . 28+	SPC.I	-		S167	021SS-38	28	167-4		HSSVMCB2	27	312200 J004	103		
113	SPIRE PSW (6) Ch25-28 . 28-	SPC.I	-		S167	021SS-38	28	167-4		HSSVMCB2	27	312200 J004	113		
128	SPIRE PSW (6) Ch25-28 . SHD28	SPC.I	-		S167	021SS-38	28	167-4	CS-S167-4	HSSVMCB2	27	312200 J004	128		
-															
058	SPIRE PSW (6) Ch29-32 . 29+	SPC.I	-		S168	021SS-38	29	168-1		HSSVMCB2	27	312200 J004	058		
046	SPIRE PSW (6) Ch29-32 . 29-	SPC.I	-		S168	021SS-38	29	168-1		HSSVMCB2	27	312200 J004	046		
128	SPIRE PSW (6) Ch29-32 . SHD29	SPC.I	-		S168	021SS-38	29	168-1	CS-S168-1	HSSVMCB2	27	312200 J004	128		
-															
068	SPIRE PSW (6) Ch29-32 . 30+	SPC.I	-		S168	021SS-38	30	168-2		HSSVMCB2	27	312200 J004	068		
057	SPIRE PSW (6) Ch29-32 . 30-	SPC.I	-		S168	021SS-38	30	168-2		HSSVMCB2	27	312200 J004	057		
128	SPIRE PSW (6) Ch29-32 . SHD30	SPC.I	-		S168	021SS-38	30	168-2	CS-S168-2	HSSVMCB2	27	312200 J004	128		
-															
069	SPIRE PSW (6) Ch29-32 . 31+	SPC.I	-		S168	021SS-38	31	168-3		HSSVMCB2	27	312200 J004	069		
080	SPIRE PSW (6) Ch29-32 . 31-	SPC.I	-		S168	021SS-38	31	168-3		HSSVMCB2	27	312200 J004	080		
128	SPIRE PSW (6) Ch29-32 . SHD31	SPC.I	-		S168	021SS-38	31	168-3	CS-S168-3	HSSVMCB2	27	312200 J004	128		
-															
070	SPIRE PSW (6) Ch29-32 . 32+	SPC.I	-		S168	021SS-38	32	168-4		HSSVMCB2	27	312200 J004	070		
081	SPIRE PSW (6) Ch29-32 . 32-	SPC.I	-		S168	021SS-38	32	168-4		HSSVMCB2	27	312200 J004	081		
128	SPIRE PSW (6) Ch29-32 . SHD32	SPC.I	-		S168	021SS-38	32	168-4	CS-S168-4	HSSVMCB2	27	312200 J004	128		
-															
128	SPIRE PLW B07 GND WIRE A2	SPX.-	-		S472	010B0-30				HSSVMCB2	27	312200 J004	128		
-															
023	SPIRE PSW (6) Ch33-36 . 33+	SPC.I	-		S169	021SS-38	33	169-1		HSSVMCB2	27	312200 J004	023		
034	SPIRE PSW (6) Ch33-36 . 33-	SPC.I	-		S169	021SS-38	33	169-1		HSSVMCB2	27	312200 J004	034		
004	SPIRE PSW (6) Ch33-36 . SHD33	SPC.I	-		S169	021SS-38	33	169-1	CS-S169-1	HSSVMCB2	27	312200 J004	004		
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.I -		S169	021SS-38	34	169-2			HSSVMCB2	27	312200 J004	033	
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.I -		S169	021SS-38	34	169-2			HSSVMCB2	27	312200 J004	045	
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.I -		S169	021SS-38	34	169-2	CS-S169-2		HSSVMCB2	27	312200 J004	004	
-															
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.I -		S169	021SS-38	35	169-3			HSSVMCB2	27	312200 J004	044	
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.I -		S169	021SS-38	35	169-3			HSSVMCB2	27	312200 J004	056	
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.I -		S169	021SS-38	35	169-3	CS-S169-3		HSSVMCB2	27	312200 J004	004	
-															
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.I -		S169	021SS-38	36	169-4			HSSVMCB2	27	312200 J004	022	
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.I -		S169	021SS-38	36	169-4			HSSVMCB2	27	312200 J004	032	
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.I -		S169	021SS-38	36	169-4	CS-S169-4		HSSVMCB2	27	312200 J004	004	
-															
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.I -		S172	021SS-38	37	172-1			HSSVMCB2	27	312200 J004	013	
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.I -		S172	021SS-38	37	172-1			HSSVMCB2	27	312200 J004	012	
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.I -		S172	021SS-38	37	172-1	CS-S172-1		HSSVMCB2	27	312200 J004	004	
-															
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.I -		S172	021SS-38	38	172-2			HSSVMCB2	27	312200 J004	021	
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.I -		S172	021SS-38	38	172-2			HSSVMCB2	27	312200 J004	020	
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.I -		S172	021SS-38	38	172-2	CS-S172-2		HSSVMCB2	27	312200 J004	004	
-															
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.I -		S172	021SS-38	39	172-3			HSSVMCB2	27	312200 J004	031	
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.I -		S172	021SS-38	39	172-3			HSSVMCB2	27	312200 J004	043	
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.I -		S172	021SS-38	39	172-3	CS-S172-3		HSSVMCB2	27	312200 J004	004	
-															
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.I -		S172	021SS-38	40	172-4			HSSVMCB2	27	312200 J004	042	
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.I -		S172	021SS-38	40	172-4			HSSVMCB2	27	312200 J004	054	
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.I -		S172	021SS-38	40	172-4	CS-S172-4		HSSVMCB2	27	312200 J004	004	
-															
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.I -		S173	021SS-38	41	173-1			HSSVMCB2	27	312200 J004	010	
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.I -		S173	021SS-38	41	173-1			HSSVMCB2	27	312200 J004	011	
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.I -		S173	021SS-38	41	173-1	CS-S173-1		HSSVMCB2	27	312200 J004	004	
-															
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.I -		S173	021SS-38	42	173-2			HSSVMCB2	27	312200 J004	019	
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.I -		S173	021SS-38	42	173-2			HSSVMCB2	27	312200 J004	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.I	-	S173	021SS-38	42	173-2		CS-S173-2	HSSVMCB2	27	312200 J004	004	
-															
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.I	-	S173	021SS-38	43	173-3			HSSVMCB2	27	312200 J004	041	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.I	-	S173	021SS-38	43	173-3			HSSVMCB2	27	312200 J004	030	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.I	-	S173	021SS-38	43	173-3		CS-S173-3	HSSVMCB2	27	312200 J004	004	
-															
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.I	-	S173	021SS-38	44	173-4			HSSVMCB2	27	312200 J004	053	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.I	-	S173	021SS-38	44	173-4			HSSVMCB2	27	312200 J004	052	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.I	-	S173	021SS-38	44	173-4		CS-S173-4	HSSVMCB2	27	312200 J004	004	
-															
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.I	-	S174	021SS-38	45	174-1			HSSVMCB2	27	312200 J004	009	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.I	-	S174	021SS-38	45	174-1			HSSVMCB2	27	312200 J004	017	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.I	-	S174	021SS-38	45	174-1		CS-S174-1	HSSVMCB2	27	312200 J004	004	
-															
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.I	-	S174	021SS-38	46	174-2			HSSVMCB2	27	312200 J004	018	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.I	-	S174	021SS-38	46	174-2			HSSVMCB2	27	312200 J004	028	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.I	-	S174	021SS-38	46	174-2		CS-S174-2	HSSVMCB2	27	312200 J004	004	
-															
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.I	-	S174	021SS-38	47	174-3			HSSVMCB2	27	312200 J004	016	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.I	-	S174	021SS-38	47	174-3			HSSVMCB2	27	312200 J004	027	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.I	-	S174	021SS-38	47	174-3		CS-S174-3	HSSVMCB2	27	312200 J004	004	
-															
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.I	-	S174	021SS-38	48	174-4			HSSVMCB2	27	312200 J004	040	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.I	-	S174	021SS-38	48	174-4			HSSVMCB2	27	312200 J004	039	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.I	-	S174	021SS-38	48	174-4		CS-S174-4	HSSVMCB2	27	312200 J004	004	
-															
004	SPIRE PLW B07 GND WIRE A4		SPX.-	-	S474	010B0-30					HSSVMCB2	27	312200 J004	004	
-															
047	SPIRE PLW B07 GND WIRE A3		SPX.-	-	S473	010B0-30					HSSVMCB2	27	312200 J004	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P025**Function / Bundle:** UFThr 235.0° / SIH-XS-07**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Pin Allocation List (Harness) SPIRE

Connector: 211121 P025
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (5) Ch01-04 . 1+		SPC.I -		S158	021SS-38	1	158-1			CVVUCR	33	211121 P025	026	
037	SPIRE PSW (5) Ch01-04 . 1-		SPC.I -		S158	021SS-38	1	158-1			CVVUCR	33	211121 P025	037	
036	SPIRE PSW (5) Ch01-04 . SHD01		SPC.I -		S158	021SS-38	1	158-1	CS-S158-1		CVVUCR	33	211121 P025	036	
-															
038	SPIRE PSW (5) Ch01-04 . 2+		SPC.I -		S158	021SS-38	2	158-2			CVVUCR	33	211121 P025	038	
049	SPIRE PSW (5) Ch01-04 . 2-		SPC.I -		S158	021SS-38	2	158-2			CVVUCR	33	211121 P025	049	
036	SPIRE PSW (5) Ch01-04 . SHD02		SPC.I -		S158	021SS-38	2	158-2	CS-S158-2		CVVUCR	33	211121 P025	036	
-															
048	SPIRE PSW (5) Ch01-04 . 3+		SPC.I -		S158	021SS-38	3	158-3			CVVUCR	33	211121 P025	048	
060	SPIRE PSW (5) Ch01-04 . 3-		SPC.I -		S158	021SS-38	3	158-3			CVVUCR	33	211121 P025	060	
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.I -		S158	021SS-38	3	158-3	CS-S158-3		CVVUCR	33	211121 P025	036	
-															
059	SPIRE PSW (5) Ch01-04 . 4+		SPC.I -		S158	021SS-38	4	158-4			CVVUCR	33	211121 P025	059	
071	SPIRE PSW (5) Ch01-04 . 4-		SPC.I -		S158	021SS-38	4	158-4			CVVUCR	33	211121 P025	071	
036	SPIRE PSW (5) Ch01-04 . SHD04		SPC.I -		S158	021SS-38	4	158-4	CS-S158-4		CVVUCR	33	211121 P025	036	
-															
050	SPIRE PSW (5) Ch05-08 . 5+		SPC.I -		S159	021SS-38	5	159-1			CVVUCR	33	211121 P025	050	
061	SPIRE PSW (5) Ch05-08 . 5-		SPC.I -		S159	021SS-38	5	159-1			CVVUCR	33	211121 P025	061	
036	SPIRE PSW (5) Ch05-08 . SHD05		SPC.I -		S159	021SS-38	5	159-1	CS-S159-1		CVVUCR	33	211121 P025	036	
-															
062	SPIRE PSW (5) Ch05-08 . 6+		SPC.I -		S159	021SS-38	6	159-2			CVVUCR	33	211121 P025	062	
051	SPIRE PSW (5) Ch05-08 . 6-		SPC.I -		S159	021SS-38	6	159-2			CVVUCR	33	211121 P025	051	
036	SPIRE PSW (5) Ch05-08 . SHD06		SPC.I -		S159	021SS-38	6	159-2	CS-S159-2		CVVUCR	33	211121 P025	036	
-															
063	SPIRE PSW (5) Ch05-08 . 7+		SPC.I -		S159	021SS-38	7	159-3			CVVUCR	33	211121 P025	063	
075	SPIRE PSW (5) Ch05-08 . 7-		SPC.I -		S159	021SS-38	7	159-3			CVVUCR	33	211121 P025	075	
036	SPIRE PSW (5) Ch05-08 . SHD07		SPC.I -		S159	021SS-38	7	159-3	CS-S159-3		CVVUCR	33	211121 P025	036	
-															
074	SPIRE PSW (5) Ch05-08 . 8+		SPC.I -		S159	021SS-38	8	159-4			CVVUCR	33	211121 P025	074	
073	SPIRE PSW (5) Ch05-08 . 8-		SPC.I -		S159	021SS-38	8	159-4			CVVUCR	33	211121 P025	073	
036	SPIRE PSW (5) Ch05-08 . SHD08		SPC.I -		S159	021SS-38	8	159-4	CS-S159-4		CVVUCR	33	211121 P025	036	
-															
083	SPIRE PSW (5) Ch09-12 . 9+		SPC.I -		S160	021SS-38	9	160-1			CVVUCR	33	211121 P025	083	
072	SPIRE PSW (5) Ch09-12 . 9-		SPC.I -		S160	021SS-38	9	160-1			CVVUCR	33	211121 P025	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.I	-	S160	021SS-38	9	160-1		CS-S160-1	CVVUCR	33	211121 P025	036	
-															
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.I	-	S160	021SS-38	10	160-2			CVVUCR	33	211121 P025	095	
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.I	-	S160	021SS-38	10	160-2			CVVUCR	33	211121 P025	084	
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.I	-	S160	021SS-38	10	160-2		CS-S160-2	CVVUCR	33	211121 P025	036	
-															
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.I	-	S160	021SS-38	11	160-3			CVVUCR	33	211121 P025	096	
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.I	-	S160	021SS-38	11	160-3			CVVUCR	33	211121 P025	085	
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.I	-	S160	021SS-38	11	160-3		CS-S160-3	CVVUCR	33	211121 P025	036	
-															
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.I	-	S160	021SS-38	12	160-4			CVVUCR	33	211121 P025	106	
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.I	-	S160	021SS-38	12	160-4			CVVUCR	33	211121 P025	107	
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.I	-	S160	021SS-38	12	160-4		CS-S160-4	CVVUCR	33	211121 P025	036	
-															
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.I	-	S163	021SS-38	13	163-1			CVVUCR	33	211121 P025	086	
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.I	-	S163	021SS-38	13	163-1			CVVUCR	33	211121 P025	087	
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.I	-	S163	021SS-38	13	163-1		CS-S163-1	CVVUCR	33	211121 P025	036	
-															
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.I	-	S163	021SS-38	14	163-2			CVVUCR	33	211121 P025	097	
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.I	-	S163	021SS-38	14	163-2			CVVUCR	33	211121 P025	098	
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.I	-	S163	021SS-38	14	163-2		CS-S163-2	CVVUCR	33	211121 P025	036	
-															
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.I	-	S163	021SS-38	15	163-3			CVVUCR	33	211121 P025	108	
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.I	-	S163	021SS-38	15	163-3			CVVUCR	33	211121 P025	109	
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.I	-	S163	021SS-38	15	163-3		CS-S163-3	CVVUCR	33	211121 P025	036	
-															
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.I	-	S163	021SS-38	16	163-4			CVVUCR	33	211121 P025	116	
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.I	-	S163	021SS-38	16	163-4			CVVUCR	33	211121 P025	117	
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.I	-	S163	021SS-38	16	163-4		CS-S163-4	CVVUCR	33	211121 P025	036	
-															
036	SPIRE PLW B07 GND WIRE A1		SPX.-	-	S471	010B0-30					CVVUCR	33	211121 P025	036	
-															
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.I	-	S164	021SS-38	17	164-1			CVVUCR	33	211121 P025	055	
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.I	-	S164	021SS-38	17	164-1			CVVUCR	33	211121 P025	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.I	-	S164	021SS-38	17	164-1		CS-S164-1	CVVUCR	33	211121 P025	128	
-															
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.I	-	S164	021SS-38	18	164-2			CVVUCR	33	211121 P025	067	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.I	-	S164	021SS-38	18	164-2			CVVUCR	33	211121 P025	078	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.I	-	S164	021SS-38	18	164-2		CS-S164-2	CVVUCR	33	211121 P025	128	
-															
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.I	-	S164	021SS-38	19	164-3			CVVUCR	33	211121 P025	076	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.I	-	S164	021SS-38	19	164-3			CVVUCR	33	211121 P025	077	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.I	-	S164	021SS-38	19	164-3		CS-S164-3	CVVUCR	33	211121 P025	128	
-															
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.I	-	S164	021SS-38	20	164-4			CVVUCR	33	211121 P025	088	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.I	-	S164	021SS-38	20	164-4			CVVUCR	33	211121 P025	089	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.I	-	S164	021SS-38	20	164-4		CS-S164-4	CVVUCR	33	211121 P025	128	
-															
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.I	-	S165	021SS-38	21	165-1			CVVUCR	33	211121 P025	099	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.I	-	S165	021SS-38	21	165-1			CVVUCR	33	211121 P025	100	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.I	-	S165	021SS-38	21	165-1		CS-S165-1	CVVUCR	33	211121 P025	128	
-															
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.I	-	S165	021SS-38	22	165-2			CVVUCR	33	211121 P025	110	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.I	-	S165	021SS-38	22	165-2			CVVUCR	33	211121 P025	111	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.I	-	S165	021SS-38	22	165-2		CS-S165-2	CVVUCR	33	211121 P025	128	
-															
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.I	-	S165	021SS-38	23	165-3			CVVUCR	33	211121 P025	118	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.I	-	S165	021SS-38	23	165-3			CVVUCR	33	211121 P025	119	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.I	-	S165	021SS-38	23	165-3		CS-S165-3	CVVUCR	33	211121 P025	128	
-															
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.I	-	S165	021SS-38	24	165-4			CVVUCR	33	211121 P025	112	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.I	-	S165	021SS-38	24	165-4			CVVUCR	33	211121 P025	120	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.I	-	S165	021SS-38	24	165-4		CS-S165-4	CVVUCR	33	211121 P025	128	
-															
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.I	-	S167	021SS-38	25	167-1			CVVUCR	33	211121 P025	090	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.I	-	S167	021SS-38	25	167-1			CVVUCR	33	211121 P025	079	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.I	-	S167	021SS-38	25	167-1		CS-S167-1	CVVUCR	33	211121 P025	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW (6) Ch25-28 . 26+	SPC.I	-		S167	021SS-38	26	167-2			CVVUCR	33	211121 P025	102	
101	SPIRE PSW (6) Ch25-28 . 26-	SPC.I	-		S167	021SS-38	26	167-2			CVVUCR	33	211121 P025	101	
128	SPIRE PSW (6) Ch25-28 . SHD26	SPC.I	-		S167	021SS-38	26	167-2	CS-S167-2		CVVUCR	33	211121 P025	128	
-															
092	SPIRE PSW (6) Ch25-28 . 27+	SPC.I	-		S167	021SS-38	27	167-3			CVVUCR	33	211121 P025	092	
091	SPIRE PSW (6) Ch25-28 . 27-	SPC.I	-		S167	021SS-38	27	167-3			CVVUCR	33	211121 P025	091	
128	SPIRE PSW (6) Ch25-28 . SHD27	SPC.I	-		S167	021SS-38	27	167-3	CS-S167-3		CVVUCR	33	211121 P025	128	
-															
103	SPIRE PSW (6) Ch25-28 . 28+	SPC.I	-		S167	021SS-38	28	167-4			CVVUCR	33	211121 P025	103	
113	SPIRE PSW (6) Ch25-28 . 28-	SPC.I	-		S167	021SS-38	28	167-4			CVVUCR	33	211121 P025	113	
128	SPIRE PSW (6) Ch25-28 . SHD28	SPC.I	-		S167	021SS-38	28	167-4	CS-S167-4		CVVUCR	33	211121 P025	128	
-															
058	SPIRE PSW (6) Ch29-32 . 29+	SPC.I	-		S168	021SS-38	29	168-1			CVVUCR	33	211121 P025	058	
046	SPIRE PSW (6) Ch29-32 . 29-	SPC.I	-		S168	021SS-38	29	168-1			CVVUCR	33	211121 P025	046	
128	SPIRE PSW (6) Ch29-32 . SHD29	SPC.I	-		S168	021SS-38	29	168-1	CS-S168-1		CVVUCR	33	211121 P025	128	
-															
068	SPIRE PSW (6) Ch29-32 . 30+	SPC.I	-		S168	021SS-38	30	168-2			CVVUCR	33	211121 P025	068	
057	SPIRE PSW (6) Ch29-32 . 30-	SPC.I	-		S168	021SS-38	30	168-2			CVVUCR	33	211121 P025	057	
128	SPIRE PSW (6) Ch29-32 . SHD30	SPC.I	-		S168	021SS-38	30	168-2	CS-S168-2		CVVUCR	33	211121 P025	128	
-															
069	SPIRE PSW (6) Ch29-32 . 31+	SPC.I	-		S168	021SS-38	31	168-3			CVVUCR	33	211121 P025	069	
080	SPIRE PSW (6) Ch29-32 . 31-	SPC.I	-		S168	021SS-38	31	168-3			CVVUCR	33	211121 P025	080	
128	SPIRE PSW (6) Ch29-32 . SHD31	SPC.I	-		S168	021SS-38	31	168-3	CS-S168-3		CVVUCR	33	211121 P025	128	
-															
070	SPIRE PSW (6) Ch29-32 . 32+	SPC.I	-		S168	021SS-38	32	168-4			CVVUCR	33	211121 P025	070	
081	SPIRE PSW (6) Ch29-32 . 32-	SPC.I	-		S168	021SS-38	32	168-4			CVVUCR	33	211121 P025	081	
128	SPIRE PSW (6) Ch29-32 . SHD32	SPC.I	-		S168	021SS-38	32	168-4	CS-S168-4		CVVUCR	33	211121 P025	128	
-															
128	SPIRE PLW B07 GND WIRE A2	SPX.-	-		S472	010B0-30					CVVUCR	33	211121 P025	128	
-															
023	SPIRE PSW (6) Ch33-36 . 33+	SPC.I	-		S169	021SS-38	33	169-1			CVVUCR	33	211121 P025	023	
034	SPIRE PSW (6) Ch33-36 . 33-	SPC.I	-		S169	021SS-38	33	169-1			CVVUCR	33	211121 P025	034	
004	SPIRE PSW (6) Ch33-36 . SHD33	SPC.I	-		S169	021SS-38	33	169-1	CS-S169-1		CVVUCR	33	211121 P025	004	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.I -		S169	021SS-38	34	169-2			CVVUCR	33	211121 P025	033	
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.I -		S169	021SS-38	34	169-2			CVVUCR	33	211121 P025	045	
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.I -		S169	021SS-38	34	169-2	CS-S169-2		CVVUCR	33	211121 P025	004	
-															
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.I -		S169	021SS-38	35	169-3			CVVUCR	33	211121 P025	044	
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.I -		S169	021SS-38	35	169-3			CVVUCR	33	211121 P025	056	
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.I -		S169	021SS-38	35	169-3	CS-S169-3		CVVUCR	33	211121 P025	004	
-															
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.I -		S169	021SS-38	36	169-4			CVVUCR	33	211121 P025	022	
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.I -		S169	021SS-38	36	169-4			CVVUCR	33	211121 P025	032	
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.I -		S169	021SS-38	36	169-4	CS-S169-4		CVVUCR	33	211121 P025	004	
-															
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.I -		S172	021SS-38	37	172-1			CVVUCR	33	211121 P025	013	
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.I -		S172	021SS-38	37	172-1			CVVUCR	33	211121 P025	012	
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.I -		S172	021SS-38	37	172-1	CS-S172-1		CVVUCR	33	211121 P025	004	
-															
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.I -		S172	021SS-38	38	172-2			CVVUCR	33	211121 P025	021	
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.I -		S172	021SS-38	38	172-2			CVVUCR	33	211121 P025	020	
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.I -		S172	021SS-38	38	172-2	CS-S172-2		CVVUCR	33	211121 P025	004	
-															
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.I -		S172	021SS-38	39	172-3			CVVUCR	33	211121 P025	031	
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.I -		S172	021SS-38	39	172-3			CVVUCR	33	211121 P025	043	
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.I -		S172	021SS-38	39	172-3	CS-S172-3		CVVUCR	33	211121 P025	004	
-															
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.I -		S172	021SS-38	40	172-4			CVVUCR	33	211121 P025	042	
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.I -		S172	021SS-38	40	172-4			CVVUCR	33	211121 P025	054	
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.I -		S172	021SS-38	40	172-4	CS-S172-4		CVVUCR	33	211121 P025	004	
-															
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.I -		S173	021SS-38	41	173-1			CVVUCR	33	211121 P025	010	
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.I -		S173	021SS-38	41	173-1			CVVUCR	33	211121 P025	011	
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.I -		S173	021SS-38	41	173-1	CS-S173-1		CVVUCR	33	211121 P025	004	
-															
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.I -		S173	021SS-38	42	173-2			CVVUCR	33	211121 P025	019	
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.I -		S173	021SS-38	42	173-2			CVVUCR	33	211121 P025	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.I	-	S173	021SS-38	42	173-2		CS-S173-2	CVVUCR	33	211121 P025	004	
-															
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.I	-	S173	021SS-38	43	173-3			CVVUCR	33	211121 P025	041	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.I	-	S173	021SS-38	43	173-3			CVVUCR	33	211121 P025	030	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.I	-	S173	021SS-38	43	173-3		CS-S173-3	CVVUCR	33	211121 P025	004	
-															
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.I	-	S173	021SS-38	44	173-4			CVVUCR	33	211121 P025	053	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.I	-	S173	021SS-38	44	173-4			CVVUCR	33	211121 P025	052	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.I	-	S173	021SS-38	44	173-4		CS-S173-4	CVVUCR	33	211121 P025	004	
-															
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.I	-	S174	021SS-38	45	174-1			CVVUCR	33	211121 P025	009	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.I	-	S174	021SS-38	45	174-1			CVVUCR	33	211121 P025	017	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.I	-	S174	021SS-38	45	174-1		CS-S174-1	CVVUCR	33	211121 P025	004	
-															
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.I	-	S174	021SS-38	46	174-2			CVVUCR	33	211121 P025	018	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.I	-	S174	021SS-38	46	174-2			CVVUCR	33	211121 P025	028	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.I	-	S174	021SS-38	46	174-2		CS-S174-2	CVVUCR	33	211121 P025	004	
-															
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.I	-	S174	021SS-38	47	174-3			CVVUCR	33	211121 P025	016	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.I	-	S174	021SS-38	47	174-3			CVVUCR	33	211121 P025	027	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.I	-	S174	021SS-38	47	174-3		CS-S174-3	CVVUCR	33	211121 P025	004	
-															
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.I	-	S174	021SS-38	48	174-4			CVVUCR	33	211121 P025	040	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.I	-	S174	021SS-38	48	174-4			CVVUCR	33	211121 P025	039	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.I	-	S174	021SS-38	48	174-4		CS-S174-4	CVVUCR	33	211121 P025	004	
-															
004	SPIRE PLW B07 GND WIRE A4		SPX.-	-	S474	010B0-30					CVVUCR	33	211121 P025	004	
-															
047	SPIRE PLW B07 GND WIRE A3		SPX.-	-	S473	010B0-30					CVVUCR	33	211121 P025	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Pin Allocation List
(Harness)
SPIRE

Connector: 312200 J004
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)

SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (3) Ch01-04 . 1+		SPC.I -		S140	021SS-38	1	140-1			HSSVMCB2	27	312200 J001	026	
037	SPIRE PSW (3) Ch01-04 . 1-		SPC.I -		S140	021SS-38	1	140-1			HSSVMCB2	27	312200 J001	037	
036	SPIRE PSW (3) Ch01-04 . SHD01		SPC.I -		S140	021SS-38	1	140-1	CS-S140-1		HSSVMCB2	27	312200 J001	036	
-															
038	SPIRE PSW (3) Ch01-04 . 2+		SPC.I -		S140	021SS-38	2	140-2			HSSVMCB2	27	312200 J001	038	
049	SPIRE PSW (3) Ch01-04 . 2-		SPC.I -		S140	021SS-38	2	140-2			HSSVMCB2	27	312200 J001	049	
036	SPIRE PSW (3) Ch01-04 . SHD02		SPC.I -		S140	021SS-38	2	140-2	CS-S140-2		HSSVMCB2	27	312200 J001	036	
-															
048	SPIRE PSW (3) Ch01-04 . 3+		SPC.I -		S140	021SS-38	3	140-3			HSSVMCB2	27	312200 J001	048	
060	SPIRE PSW (3) Ch01-04 . 3-		SPC.I -		S140	021SS-38	3	140-3			HSSVMCB2	27	312200 J001	060	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.I -		S140	021SS-38	3	140-3	CS-S140-3		HSSVMCB2	27	312200 J001	036	
-															
059	SPIRE PSW (3) Ch01-04 . 4+		SPC.I -		S140	021SS-38	4	140-4			HSSVMCB2	27	312200 J001	059	
071	SPIRE PSW (3) Ch01-04 . 4-		SPC.I -		S140	021SS-38	4	140-4			HSSVMCB2	27	312200 J001	071	
036	SPIRE PSW (3) Ch01-04 . SHD04		SPC.I -		S140	021SS-38	4	140-4	CS-S140-4		HSSVMCB2	27	312200 J001	036	
-															
050	SPIRE PSW (3) Ch05-08 . 5+		SPC.I -		S141	021SS-38	5	141-1			HSSVMCB2	27	312200 J001	050	
061	SPIRE PSW (3) Ch05-08 . 5-		SPC.I -		S141	021SS-38	5	141-1			HSSVMCB2	27	312200 J001	061	
036	SPIRE PSW (3) Ch05-08 . SHD05		SPC.I -		S141	021SS-38	5	141-1	CS-S141-1		HSSVMCB2	27	312200 J001	036	
-															
062	SPIRE PSW (3) Ch05-08 . 6+		SPC.I -		S141	021SS-38	6	141-2			HSSVMCB2	27	312200 J001	062	
051	SPIRE PSW (3) Ch05-08 . 6-		SPC.I -		S141	021SS-38	6	141-2			HSSVMCB2	27	312200 J001	051	
036	SPIRE PSW (3) Ch05-08 . SHD06		SPC.I -		S141	021SS-38	6	141-2	CS-S141-2		HSSVMCB2	27	312200 J001	036	
-															
063	SPIRE PSW (3) Ch05-08 . 7+		SPC.I -		S141	021SS-38	7	141-3			HSSVMCB2	27	312200 J001	063	
075	SPIRE PSW (3) Ch05-08 . 7-		SPC.I -		S141	021SS-38	7	141-3			HSSVMCB2	27	312200 J001	075	
036	SPIRE PSW (3) Ch05-08 . SHD07		SPC.I -		S141	021SS-38	7	141-3	CS-S141-3		HSSVMCB2	27	312200 J001	036	
-															
074	SPIRE PSW (3) Ch05-08 . 8+		SPC.I -		S141	021SS-38	8	141-4			HSSVMCB2	27	312200 J001	074	
073	SPIRE PSW (3) Ch05-08 . 8-		SPC.I -		S141	021SS-38	8	141-4			HSSVMCB2	27	312200 J001	073	
036	SPIRE PSW (3) Ch05-08 . SHD08		SPC.I -		S141	021SS-38	8	141-4	CS-S141-4		HSSVMCB2	27	312200 J001	036	
-															
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.I -		S142	021SS-38	9	142-1			HSSVMCB2	27	312200 J001	083	
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.I -		S142	021SS-38	9	142-1			HSSVMCB2	27	312200 J001	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.I	-	S142	021SS-38	9	142-1		CS-S142-1	HSSVMCB2	27	312200 J001	036	
-															
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.I	-	S142	021SS-38	10	142-2			HSSVMCB2	27	312200 J001	095	
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.I	-	S142	021SS-38	10	142-2			HSSVMCB2	27	312200 J001	084	
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.I	-	S142	021SS-38	10	142-2		CS-S142-2	HSSVMCB2	27	312200 J001	036	
-															
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.I	-	S142	021SS-38	11	142-3			HSSVMCB2	27	312200 J001	096	
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.I	-	S142	021SS-38	11	142-3			HSSVMCB2	27	312200 J001	085	
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.I	-	S142	021SS-38	11	142-3		CS-S142-3	HSSVMCB2	27	312200 J001	036	
-															
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.I	-	S142	021SS-38	12	142-4			HSSVMCB2	27	312200 J001	106	
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.I	-	S142	021SS-38	12	142-4			HSSVMCB2	27	312200 J001	107	
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.I	-	S142	021SS-38	12	142-4		CS-S142-4	HSSVMCB2	27	312200 J001	036	
-															
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.I	-	S145	021SS-38	13	145-1			HSSVMCB2	27	312200 J001	086	
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.I	-	S145	021SS-38	13	145-1			HSSVMCB2	27	312200 J001	087	
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.I	-	S145	021SS-38	13	145-1		CS-S145-1	HSSVMCB2	27	312200 J001	036	
-															
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.I	-	S145	021SS-38	14	145-2			HSSVMCB2	27	312200 J001	097	
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.I	-	S145	021SS-38	14	145-2			HSSVMCB2	27	312200 J001	098	
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.I	-	S145	021SS-38	14	145-2		CS-S145-2	HSSVMCB2	27	312200 J001	036	
-															
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.I	-	S145	021SS-38	15	145-3			HSSVMCB2	27	312200 J001	108	
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.I	-	S145	021SS-38	15	145-3			HSSVMCB2	27	312200 J001	109	
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.I	-	S145	021SS-38	15	145-3		CS-S145-3	HSSVMCB2	27	312200 J001	036	
-															
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.I	-	S145	021SS-38	16	145-4			HSSVMCB2	27	312200 J001	116	
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.I	-	S145	021SS-38	16	145-4			HSSVMCB2	27	312200 J001	117	
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.I	-	S145	021SS-38	16	145-4		CS-S145-4	HSSVMCB2	27	312200 J001	036	
-															
036	SPIRE PLW B08 GND WIRE A1		SPX.-	-	S481	010B0-30					HSSVMCB2	27	312200 J001	036	
-															
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.I	-	S146	021SS-38	17	146-1			HSSVMCB2	27	312200 J001	055	
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.I	-	S146	021SS-38	17	146-1			HSSVMCB2	27	312200 J001	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.I	-	S146	021SS-38	17	146-1		CS-S146-1	HSSVMCB2	27	312200 J001	128	
-															
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.I	-	S146	021SS-38	18	146-2			HSSVMCB2	27	312200 J001	067	
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.I	-	S146	021SS-38	18	146-2			HSSVMCB2	27	312200 J001	078	
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.I	-	S146	021SS-38	18	146-2		CS-S146-2	HSSVMCB2	27	312200 J001	128	
-															
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.I	-	S146	021SS-38	19	146-3			HSSVMCB2	27	312200 J001	076	
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.I	-	S146	021SS-38	19	146-3			HSSVMCB2	27	312200 J001	077	
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.I	-	S146	021SS-38	19	146-3		CS-S146-3	HSSVMCB2	27	312200 J001	128	
-															
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.I	-	S146	021SS-38	20	146-4			HSSVMCB2	27	312200 J001	088	
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.I	-	S146	021SS-38	20	146-4			HSSVMCB2	27	312200 J001	089	
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.I	-	S146	021SS-38	20	146-4		CS-S146-4	HSSVMCB2	27	312200 J001	128	
-															
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.I	-	S147	021SS-38	21	147-1			HSSVMCB2	27	312200 J001	099	
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.I	-	S147	021SS-38	21	147-1			HSSVMCB2	27	312200 J001	100	
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.I	-	S147	021SS-38	21	147-1		CS-S147-1	HSSVMCB2	27	312200 J001	128	
-															
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.I	-	S147	021SS-38	22	147-2			HSSVMCB2	27	312200 J001	110	
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.I	-	S147	021SS-38	22	147-2			HSSVMCB2	27	312200 J001	111	
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.I	-	S147	021SS-38	22	147-2		CS-S147-2	HSSVMCB2	27	312200 J001	128	
-															
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.I	-	S147	021SS-38	23	147-3			HSSVMCB2	27	312200 J001	118	
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.I	-	S147	021SS-38	23	147-3			HSSVMCB2	27	312200 J001	119	
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.I	-	S147	021SS-38	23	147-3		CS-S147-3	HSSVMCB2	27	312200 J001	128	
-															
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.I	-	S147	021SS-38	24	147-4			HSSVMCB2	27	312200 J001	112	
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.I	-	S147	021SS-38	24	147-4			HSSVMCB2	27	312200 J001	120	
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.I	-	S147	021SS-38	24	147-4		CS-S147-4	HSSVMCB2	27	312200 J001	128	
-															
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.I	-	S149	021SS-38	25	149-1			HSSVMCB2	27	312200 J001	090	
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.I	-	S149	021SS-38	25	149-1			HSSVMCB2	27	312200 J001	079	
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.I	-	S149	021SS-38	25	149-1		CS-S149-1	HSSVMCB2	27	312200 J001	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.I -		S149	021SS-38	26	149-2			HSSVMCB2	27	312200 J001	102	
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.I -		S149	021SS-38	26	149-2			HSSVMCB2	27	312200 J001	101	
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.I -		S149	021SS-38	26	149-2	CS-S149-2		HSSVMCB2	27	312200 J001	128	
-															
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.I -		S149	021SS-38	27	149-3			HSSVMCB2	27	312200 J001	092	
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.I -		S149	021SS-38	27	149-3			HSSVMCB2	27	312200 J001	091	
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.I -		S149	021SS-38	27	149-3	CS-S149-3		HSSVMCB2	27	312200 J001	128	
-															
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.I -		S149	021SS-38	28	149-4			HSSVMCB2	27	312200 J001	103	
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.I -		S149	021SS-38	28	149-4			HSSVMCB2	27	312200 J001	113	
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.I -		S149	021SS-38	28	149-4	CS-S149-4		HSSVMCB2	27	312200 J001	128	
-															
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.I -		S150	021SS-38	29	150-1			HSSVMCB2	27	312200 J001	058	
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.I -		S150	021SS-38	29	150-1			HSSVMCB2	27	312200 J001	046	
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.I -		S150	021SS-38	29	150-1	CS-S150-1		HSSVMCB2	27	312200 J001	128	
-															
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.I -		S150	021SS-38	30	150-2			HSSVMCB2	27	312200 J001	068	
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.I -		S150	021SS-38	30	150-2			HSSVMCB2	27	312200 J001	057	
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.I -		S150	021SS-38	30	150-2	CS-S150-2		HSSVMCB2	27	312200 J001	128	
-															
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.I -		S150	021SS-38	31	150-3			HSSVMCB2	27	312200 J001	069	
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.I -		S150	021SS-38	31	150-3			HSSVMCB2	27	312200 J001	080	
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.I -		S150	021SS-38	31	150-3	CS-S150-3		HSSVMCB2	27	312200 J001	128	
-															
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.I -		S150	021SS-38	32	150-4			HSSVMCB2	27	312200 J001	070	
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.I -		S150	021SS-38	32	150-4			HSSVMCB2	27	312200 J001	081	
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.I -		S150	021SS-38	32	150-4	CS-S150-4		HSSVMCB2	27	312200 J001	128	
-															
128	SPIRE PLW B08 GND WIRE A2		SPX.- -		S482	010B0-30					HSSVMCB2	27	312200 J001	128	
-															
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.I -		S151	021SS-38	33	151-1			HSSVMCB2	27	312200 J001	023	
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.I -		S151	021SS-38	33	151-1			HSSVMCB2	27	312200 J001	034	
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.I -		S151	021SS-38	33	151-1	CS-S151-1		HSSVMCB2	27	312200 J001	004	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.I -		S151	021SS-38	34	151-2		HSSVMCB2	27	312200 J001	033		
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.I -		S151	021SS-38	34	151-2		HSSVMCB2	27	312200 J001	045		
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.I -		S151	021SS-38	34	151-2	CS-S151-2	HSSVMCB2	27	312200 J001	004		
-															
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.I -		S151	021SS-38	35	151-3		HSSVMCB2	27	312200 J001	044		
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.I -		S151	021SS-38	35	151-3		HSSVMCB2	27	312200 J001	056		
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.I -		S151	021SS-38	35	151-3	CS-S151-3	HSSVMCB2	27	312200 J001	004		
-															
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.I -		S151	021SS-38	36	151-4		HSSVMCB2	27	312200 J001	022		
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.I -		S151	021SS-38	36	151-4		HSSVMCB2	27	312200 J001	032		
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.I -		S151	021SS-38	36	151-4	CS-S151-4	HSSVMCB2	27	312200 J001	004		
-															
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.I -		S154	021SS-38	37	154-1		HSSVMCB2	27	312200 J001	013		
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.I -		S154	021SS-38	37	154-1		HSSVMCB2	27	312200 J001	012		
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.I -		S154	021SS-38	37	154-1	CS-S154-1	HSSVMCB2	27	312200 J001	004		
-															
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.I -		S154	021SS-38	38	154-2		HSSVMCB2	27	312200 J001	021		
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.I -		S154	021SS-38	38	154-2		HSSVMCB2	27	312200 J001	020		
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.I -		S154	021SS-38	38	154-2	CS-S154-2	HSSVMCB2	27	312200 J001	004		
-															
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.I -		S154	021SS-38	39	154-3		HSSVMCB2	27	312200 J001	031		
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.I -		S154	021SS-38	39	154-3		HSSVMCB2	27	312200 J001	043		
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.I -		S154	021SS-38	39	154-3	CS-S154-3	HSSVMCB2	27	312200 J001	004		
-															
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.I -		S154	021SS-38	40	154-4		HSSVMCB2	27	312200 J001	042		
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.I -		S154	021SS-38	40	154-4		HSSVMCB2	27	312200 J001	054		
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.I -		S154	021SS-38	40	154-4	CS-S154-4	HSSVMCB2	27	312200 J001	004		
-															
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.I -		S155	021SS-38	41	155-1		HSSVMCB2	27	312200 J001	010		
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.I -		S155	021SS-38	41	155-1		HSSVMCB2	27	312200 J001	011		
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.I -		S155	021SS-38	41	155-1	CS-S155-1	HSSVMCB2	27	312200 J001	004		
-															
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.I -		S155	021SS-38	42	155-2		HSSVMCB2	27	312200 J001	019		
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.I -		S155	021SS-38	42	155-2		HSSVMCB2	27	312200 J001	029		

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.I	-	S155	021SS-38	42	155-2		CS-S155-2	HSSVMCB2	27	312200 J001	004	
-															
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.I	-	S155	021SS-38	43	155-3			HSSVMCB2	27	312200 J001	041	
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.I	-	S155	021SS-38	43	155-3			HSSVMCB2	27	312200 J001	030	
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.I	-	S155	021SS-38	43	155-3		CS-S155-3	HSSVMCB2	27	312200 J001	004	
-															
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.I	-	S155	021SS-38	44	155-4			HSSVMCB2	27	312200 J001	053	
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.I	-	S155	021SS-38	44	155-4			HSSVMCB2	27	312200 J001	052	
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.I	-	S155	021SS-38	44	155-4		CS-S155-4	HSSVMCB2	27	312200 J001	004	
-															
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.I	-	S156	021SS-38	45	156-1			HSSVMCB2	27	312200 J001	009	
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.I	-	S156	021SS-38	45	156-1			HSSVMCB2	27	312200 J001	017	
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.I	-	S156	021SS-38	45	156-1		CS-S156-1	HSSVMCB2	27	312200 J001	004	
-															
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.I	-	S156	021SS-38	46	156-2			HSSVMCB2	27	312200 J001	018	
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.I	-	S156	021SS-38	46	156-2			HSSVMCB2	27	312200 J001	028	
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.I	-	S156	021SS-38	46	156-2		CS-S156-2	HSSVMCB2	27	312200 J001	004	
-															
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.I	-	S156	021SS-38	47	156-3			HSSVMCB2	27	312200 J001	016	
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.I	-	S156	021SS-38	47	156-3			HSSVMCB2	27	312200 J001	027	
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.I	-	S156	021SS-38	47	156-3		CS-S156-3	HSSVMCB2	27	312200 J001	004	
-															
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.I	-	S156	021SS-38	48	156-4			HSSVMCB2	27	312200 J001	040	
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.I	-	S156	021SS-38	48	156-4			HSSVMCB2	27	312200 J001	039	
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.I	-	S156	021SS-38	48	156-4		CS-S156-4	HSSVMCB2	27	312200 J001	004	
-															
004	SPIRE PLW B08 GND WIRE A4		SPX.-	-	S484	010B0-30					HSSVMCB2	27	312200 J001	004	
-															
047	SPIRE PLW B08 GND WIRE A3		SPX.-	-	S483	010B0-30					HSSVMCB2	27	312200 J001	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P027**Function / Bundle:** UFThr 257.0° / SIH-XS-08**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 325 (of 599)

Connector: 211121 P027
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (3) Ch01-04 . 1+		SPC.I -		S140	021SS-38	1	140-1			CVVUCR	33	211121 P027	026	
037	SPIRE PSW (3) Ch01-04 . 1-		SPC.I -		S140	021SS-38	1	140-1			CVVUCR	33	211121 P027	037	
036	SPIRE PSW (3) Ch01-04 . SHD01		SPC.I -		S140	021SS-38	1	140-1	CS-S140-1		CVVUCR	33	211121 P027	036	
-															
038	SPIRE PSW (3) Ch01-04 . 2+		SPC.I -		S140	021SS-38	2	140-2			CVVUCR	33	211121 P027	038	
049	SPIRE PSW (3) Ch01-04 . 2-		SPC.I -		S140	021SS-38	2	140-2			CVVUCR	33	211121 P027	049	
036	SPIRE PSW (3) Ch01-04 . SHD02		SPC.I -		S140	021SS-38	2	140-2	CS-S140-2		CVVUCR	33	211121 P027	036	
-															
048	SPIRE PSW (3) Ch01-04 . 3+		SPC.I -		S140	021SS-38	3	140-3			CVVUCR	33	211121 P027	048	
060	SPIRE PSW (3) Ch01-04 . 3-		SPC.I -		S140	021SS-38	3	140-3			CVVUCR	33	211121 P027	060	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.I -		S140	021SS-38	3	140-3	CS-S140-3		CVVUCR	33	211121 P027	036	
-															
059	SPIRE PSW (3) Ch01-04 . 4+		SPC.I -		S140	021SS-38	4	140-4			CVVUCR	33	211121 P027	059	
071	SPIRE PSW (3) Ch01-04 . 4-		SPC.I -		S140	021SS-38	4	140-4			CVVUCR	33	211121 P027	071	
036	SPIRE PSW (3) Ch01-04 . SHD04		SPC.I -		S140	021SS-38	4	140-4	CS-S140-4		CVVUCR	33	211121 P027	036	
-															
050	SPIRE PSW (3) Ch05-08 . 5+		SPC.I -		S141	021SS-38	5	141-1			CVVUCR	33	211121 P027	050	
061	SPIRE PSW (3) Ch05-08 . 5-		SPC.I -		S141	021SS-38	5	141-1			CVVUCR	33	211121 P027	061	
036	SPIRE PSW (3) Ch05-08 . SHD05		SPC.I -		S141	021SS-38	5	141-1	CS-S141-1		CVVUCR	33	211121 P027	036	
-															
062	SPIRE PSW (3) Ch05-08 . 6+		SPC.I -		S141	021SS-38	6	141-2			CVVUCR	33	211121 P027	062	
051	SPIRE PSW (3) Ch05-08 . 6-		SPC.I -		S141	021SS-38	6	141-2			CVVUCR	33	211121 P027	051	
036	SPIRE PSW (3) Ch05-08 . SHD06		SPC.I -		S141	021SS-38	6	141-2	CS-S141-2		CVVUCR	33	211121 P027	036	
-															
063	SPIRE PSW (3) Ch05-08 . 7+		SPC.I -		S141	021SS-38	7	141-3			CVVUCR	33	211121 P027	063	
075	SPIRE PSW (3) Ch05-08 . 7-		SPC.I -		S141	021SS-38	7	141-3			CVVUCR	33	211121 P027	075	
036	SPIRE PSW (3) Ch05-08 . SHD07		SPC.I -		S141	021SS-38	7	141-3	CS-S141-3		CVVUCR	33	211121 P027	036	
-															
074	SPIRE PSW (3) Ch05-08 . 8+		SPC.I -		S141	021SS-38	8	141-4			CVVUCR	33	211121 P027	074	
073	SPIRE PSW (3) Ch05-08 . 8-		SPC.I -		S141	021SS-38	8	141-4			CVVUCR	33	211121 P027	073	
036	SPIRE PSW (3) Ch05-08 . SHD08		SPC.I -		S141	021SS-38	8	141-4	CS-S141-4		CVVUCR	33	211121 P027	036	
-															
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.I -		S142	021SS-38	9	142-1			CVVUCR	33	211121 P027	083	
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.I -		S142	021SS-38	9	142-1			CVVUCR	33	211121 P027	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.I	-	S142	021SS-38	9	142-1		CS-S142-1	CVVUCR	33	211121 P027	036	
-															
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.I	-	S142	021SS-38	10	142-2			CVVUCR	33	211121 P027	095	
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.I	-	S142	021SS-38	10	142-2			CVVUCR	33	211121 P027	084	
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.I	-	S142	021SS-38	10	142-2		CS-S142-2	CVVUCR	33	211121 P027	036	
-															
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.I	-	S142	021SS-38	11	142-3			CVVUCR	33	211121 P027	096	
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.I	-	S142	021SS-38	11	142-3			CVVUCR	33	211121 P027	085	
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.I	-	S142	021SS-38	11	142-3		CS-S142-3	CVVUCR	33	211121 P027	036	
-															
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.I	-	S142	021SS-38	12	142-4			CVVUCR	33	211121 P027	106	
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.I	-	S142	021SS-38	12	142-4			CVVUCR	33	211121 P027	107	
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.I	-	S142	021SS-38	12	142-4		CS-S142-4	CVVUCR	33	211121 P027	036	
-															
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.I	-	S145	021SS-38	13	145-1			CVVUCR	33	211121 P027	086	
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.I	-	S145	021SS-38	13	145-1			CVVUCR	33	211121 P027	087	
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.I	-	S145	021SS-38	13	145-1		CS-S145-1	CVVUCR	33	211121 P027	036	
-															
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.I	-	S145	021SS-38	14	145-2			CVVUCR	33	211121 P027	097	
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.I	-	S145	021SS-38	14	145-2			CVVUCR	33	211121 P027	098	
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.I	-	S145	021SS-38	14	145-2		CS-S145-2	CVVUCR	33	211121 P027	036	
-															
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.I	-	S145	021SS-38	15	145-3			CVVUCR	33	211121 P027	108	
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.I	-	S145	021SS-38	15	145-3			CVVUCR	33	211121 P027	109	
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.I	-	S145	021SS-38	15	145-3		CS-S145-3	CVVUCR	33	211121 P027	036	
-															
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.I	-	S145	021SS-38	16	145-4			CVVUCR	33	211121 P027	116	
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.I	-	S145	021SS-38	16	145-4			CVVUCR	33	211121 P027	117	
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.I	-	S145	021SS-38	16	145-4		CS-S145-4	CVVUCR	33	211121 P027	036	
-															
036	SPIRE PLW B08 GND WIRE A1		SPX.-	-	S481	010B0-30					CVVUCR	33	211121 P027	036	
-															
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.I	-	S146	021SS-38	17	146-1			CVVUCR	33	211121 P027	055	
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.I	-	S146	021SS-38	17	146-1			CVVUCR	33	211121 P027	066	

Pin Allocation List

(Harness)

SPIRE

Connector: 312200 J001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.I	-	S146	021SS-38	17	146-1		CS-S146-1	CVVUCR	33	211121 P027	128	
-															
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.I	-	S146	021SS-38	18	146-2			CVVUCR	33	211121 P027	067	
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.I	-	S146	021SS-38	18	146-2			CVVUCR	33	211121 P027	078	
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.I	-	S146	021SS-38	18	146-2		CS-S146-2	CVVUCR	33	211121 P027	128	
-															
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.I	-	S146	021SS-38	19	146-3			CVVUCR	33	211121 P027	076	
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.I	-	S146	021SS-38	19	146-3			CVVUCR	33	211121 P027	077	
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.I	-	S146	021SS-38	19	146-3		CS-S146-3	CVVUCR	33	211121 P027	128	
-															
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.I	-	S146	021SS-38	20	146-4			CVVUCR	33	211121 P027	088	
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.I	-	S146	021SS-38	20	146-4			CVVUCR	33	211121 P027	089	
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.I	-	S146	021SS-38	20	146-4		CS-S146-4	CVVUCR	33	211121 P027	128	
-															
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.I	-	S147	021SS-38	21	147-1			CVVUCR	33	211121 P027	099	
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.I	-	S147	021SS-38	21	147-1			CVVUCR	33	211121 P027	100	
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.I	-	S147	021SS-38	21	147-1		CS-S147-1	CVVUCR	33	211121 P027	128	
-															
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.I	-	S147	021SS-38	22	147-2			CVVUCR	33	211121 P027	110	
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.I	-	S147	021SS-38	22	147-2			CVVUCR	33	211121 P027	111	
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.I	-	S147	021SS-38	22	147-2		CS-S147-2	CVVUCR	33	211121 P027	128	
-															
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.I	-	S147	021SS-38	23	147-3			CVVUCR	33	211121 P027	118	
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.I	-	S147	021SS-38	23	147-3			CVVUCR	33	211121 P027	119	
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.I	-	S147	021SS-38	23	147-3		CS-S147-3	CVVUCR	33	211121 P027	128	
-															
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.I	-	S147	021SS-38	24	147-4			CVVUCR	33	211121 P027	112	
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.I	-	S147	021SS-38	24	147-4			CVVUCR	33	211121 P027	120	
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.I	-	S147	021SS-38	24	147-4		CS-S147-4	CVVUCR	33	211121 P027	128	
-															
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.I	-	S149	021SS-38	25	149-1			CVVUCR	33	211121 P027	090	
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.I	-	S149	021SS-38	25	149-1			CVVUCR	33	211121 P027	079	
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.I	-	S149	021SS-38	25	149-1		CS-S149-1	CVVUCR	33	211121 P027	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.I -		S149	021SS-38	26	149-2		CVVUCR	33	211121 P027	102	
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.I -		S149	021SS-38	26	149-2		CVVUCR	33	211121 P027	101	
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.I -		S149	021SS-38	26	149-2	CS-S149-2	CVVUCR	33	211121 P027	128	
-														
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.I -		S149	021SS-38	27	149-3		CVVUCR	33	211121 P027	092	
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.I -		S149	021SS-38	27	149-3		CVVUCR	33	211121 P027	091	
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.I -		S149	021SS-38	27	149-3	CS-S149-3	CVVUCR	33	211121 P027	128	
-														
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.I -		S149	021SS-38	28	149-4		CVVUCR	33	211121 P027	103	
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.I -		S149	021SS-38	28	149-4		CVVUCR	33	211121 P027	113	
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.I -		S149	021SS-38	28	149-4	CS-S149-4	CVVUCR	33	211121 P027	128	
-														
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.I -		S150	021SS-38	29	150-1		CVVUCR	33	211121 P027	058	
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.I -		S150	021SS-38	29	150-1		CVVUCR	33	211121 P027	046	
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.I -		S150	021SS-38	29	150-1	CS-S150-1	CVVUCR	33	211121 P027	128	
-														
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.I -		S150	021SS-38	30	150-2		CVVUCR	33	211121 P027	068	
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.I -		S150	021SS-38	30	150-2		CVVUCR	33	211121 P027	057	
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.I -		S150	021SS-38	30	150-2	CS-S150-2	CVVUCR	33	211121 P027	128	
-														
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.I -		S150	021SS-38	31	150-3		CVVUCR	33	211121 P027	069	
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.I -		S150	021SS-38	31	150-3		CVVUCR	33	211121 P027	080	
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.I -		S150	021SS-38	31	150-3	CS-S150-3	CVVUCR	33	211121 P027	128	
-														
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.I -		S150	021SS-38	32	150-4		CVVUCR	33	211121 P027	070	
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.I -		S150	021SS-38	32	150-4		CVVUCR	33	211121 P027	081	
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.I -		S150	021SS-38	32	150-4	CS-S150-4	CVVUCR	33	211121 P027	128	
-														
128	SPIRE PLW B08 GND WIRE A2		SPX.- -		S482	010B0-30				CVVUCR	33	211121 P027	128	
-														
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.I -		S151	021SS-38	33	151-1		CVVUCR	33	211121 P027	023	
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.I -		S151	021SS-38	33	151-1		CVVUCR	33	211121 P027	034	
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.I -		S151	021SS-38	33	151-1	CS-S151-1	CVVUCR	33	211121 P027	004	
-														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.I -		S151	021SS-38	34	151-2			CVVUCR	33	211121 P027	033	
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.I -		S151	021SS-38	34	151-2			CVVUCR	33	211121 P027	045	
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.I -		S151	021SS-38	34	151-2	CS-S151-2		CVVUCR	33	211121 P027	004	
-															
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.I -		S151	021SS-38	35	151-3			CVVUCR	33	211121 P027	044	
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.I -		S151	021SS-38	35	151-3			CVVUCR	33	211121 P027	056	
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.I -		S151	021SS-38	35	151-3	CS-S151-3		CVVUCR	33	211121 P027	004	
-															
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.I -		S151	021SS-38	36	151-4			CVVUCR	33	211121 P027	022	
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.I -		S151	021SS-38	36	151-4			CVVUCR	33	211121 P027	032	
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.I -		S151	021SS-38	36	151-4	CS-S151-4		CVVUCR	33	211121 P027	004	
-															
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.I -		S154	021SS-38	37	154-1			CVVUCR	33	211121 P027	013	
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.I -		S154	021SS-38	37	154-1			CVVUCR	33	211121 P027	012	
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.I -		S154	021SS-38	37	154-1	CS-S154-1		CVVUCR	33	211121 P027	004	
-															
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.I -		S154	021SS-38	38	154-2			CVVUCR	33	211121 P027	021	
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.I -		S154	021SS-38	38	154-2			CVVUCR	33	211121 P027	020	
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.I -		S154	021SS-38	38	154-2	CS-S154-2		CVVUCR	33	211121 P027	004	
-															
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.I -		S154	021SS-38	39	154-3			CVVUCR	33	211121 P027	031	
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.I -		S154	021SS-38	39	154-3			CVVUCR	33	211121 P027	043	
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.I -		S154	021SS-38	39	154-3	CS-S154-3		CVVUCR	33	211121 P027	004	
-															
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.I -		S154	021SS-38	40	154-4			CVVUCR	33	211121 P027	042	
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.I -		S154	021SS-38	40	154-4			CVVUCR	33	211121 P027	054	
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.I -		S154	021SS-38	40	154-4	CS-S154-4		CVVUCR	33	211121 P027	004	
-															
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.I -		S155	021SS-38	41	155-1			CVVUCR	33	211121 P027	010	
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.I -		S155	021SS-38	41	155-1			CVVUCR	33	211121 P027	011	
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.I -		S155	021SS-38	41	155-1	CS-S155-1		CVVUCR	33	211121 P027	004	
-															
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.I -		S155	021SS-38	42	155-2			CVVUCR	33	211121 P027	019	
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.I -		S155	021SS-38	42	155-2			CVVUCR	33	211121 P027	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.I	-	S155	021SS-38	42	155-2		CS-S155-2	CVVUCR	33	211121 P027	004	
-															
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.I	-	S155	021SS-38	43	155-3			CVVUCR	33	211121 P027	041	
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.I	-	S155	021SS-38	43	155-3			CVVUCR	33	211121 P027	030	
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.I	-	S155	021SS-38	43	155-3		CS-S155-3	CVVUCR	33	211121 P027	004	
-															
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.I	-	S155	021SS-38	44	155-4			CVVUCR	33	211121 P027	053	
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.I	-	S155	021SS-38	44	155-4			CVVUCR	33	211121 P027	052	
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.I	-	S155	021SS-38	44	155-4		CS-S155-4	CVVUCR	33	211121 P027	004	
-															
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.I	-	S156	021SS-38	45	156-1			CVVUCR	33	211121 P027	009	
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.I	-	S156	021SS-38	45	156-1			CVVUCR	33	211121 P027	017	
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.I	-	S156	021SS-38	45	156-1		CS-S156-1	CVVUCR	33	211121 P027	004	
-															
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.I	-	S156	021SS-38	46	156-2			CVVUCR	33	211121 P027	018	
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.I	-	S156	021SS-38	46	156-2			CVVUCR	33	211121 P027	028	
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.I	-	S156	021SS-38	46	156-2		CS-S156-2	CVVUCR	33	211121 P027	004	
-															
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.I	-	S156	021SS-38	47	156-3			CVVUCR	33	211121 P027	016	
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.I	-	S156	021SS-38	47	156-3			CVVUCR	33	211121 P027	027	
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.I	-	S156	021SS-38	47	156-3		CS-S156-3	CVVUCR	33	211121 P027	004	
-															
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.I	-	S156	021SS-38	48	156-4			CVVUCR	33	211121 P027	040	
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.I	-	S156	021SS-38	48	156-4			CVVUCR	33	211121 P027	039	
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.I	-	S156	021SS-38	48	156-4		CS-S156-4	CVVUCR	33	211121 P027	004	
-															
004	SPIRE PLW B08 GND WIRE A4		SPX.-	-	S484	010B0-30					CVVUCR	33	211121 P027	004	
-															
047	SPIRE PLW B08 GND WIRE A3		SPX.-	-	S483	010B0-30					CVVUCR	33	211121 P027	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 333 (of 599)

Connector: 312200 J001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW Ch01-04 . 1+		SPC.I -		S122	021SS-38	1	122-1			HSSVMCB2	27	312200 J002	026	
037	SPIRE PSW Ch01-04 . 1-		SPC.I -		S122	021SS-38	1	122-1			HSSVMCB2	27	312200 J002	037	
036	SPIRE PSW Ch01-04 . SHD01		SPC.I -		S122	021SS-38	1	122-1	CS-S122-1		HSSVMCB2	27	312200 J002	036	
-															
038	SPIRE PSW Ch01-04 . 2+		SPC.I -		S122	021SS-38	2	122-2			HSSVMCB2	27	312200 J002	038	
049	SPIRE PSW Ch01-04 . 2-		SPC.I -		S122	021SS-38	2	122-2			HSSVMCB2	27	312200 J002	049	
036	SPIRE PSW Ch01-04 . SHD02		SPC.I -		S122	021SS-38	2	122-2	CS-S122-2		HSSVMCB2	27	312200 J002	036	
-															
048	SPIRE PSW Ch01-04 . 3+		SPC.I -		S122	021SS-38	3	122-3			HSSVMCB2	27	312200 J002	048	
060	SPIRE PSW Ch01-04 . 3-		SPC.I -		S122	021SS-38	3	122-3			HSSVMCB2	27	312200 J002	060	
036	SPIRE PSW Ch01-04 . SHD03		SPC.I -		S122	021SS-38	3	122-3	CS-S122-3		HSSVMCB2	27	312200 J002	036	
-															
059	SPIRE PSW Ch01-04 . 4+		SPC.I -		S122	021SS-38	4	122-4			HSSVMCB2	27	312200 J002	059	
071	SPIRE PSW Ch01-04 . 4-		SPC.I -		S122	021SS-38	4	122-4			HSSVMCB2	27	312200 J002	071	
036	SPIRE PSW Ch01-04 . SHD04		SPC.I -		S122	021SS-38	4	122-4	CS-S122-4		HSSVMCB2	27	312200 J002	036	
-															
050	SPIRE PSW Ch05-08 . 5+		SPC.I -		S123	021SS-38	5	0123-1			HSSVMCB2	27	312200 J002	050	
061	SPIRE PSW Ch05-08 . 5-		SPC.I -		S123	021SS-38	5	0123-1			HSSVMCB2	27	312200 J002	061	
036	SPIRE PSW Ch05-08 . SHD05		SPC.I -		S123	021SS-38	5	0123-1	CS-S0123-1		HSSVMCB2	27	312200 J002	036	
-															
062	SPIRE PSW Ch05-08 . 6+		SPC.I -		S123	021SS-38	6	0123-2			HSSVMCB2	27	312200 J002	062	
051	SPIRE PSW Ch05-08 . 6-		SPC.I -		S123	021SS-38	6	0123-2			HSSVMCB2	27	312200 J002	051	
036	SPIRE PSW Ch05-08 . SHD06		SPC.I -		S123	021SS-38	6	0123-2	CS-S0123-2		HSSVMCB2	27	312200 J002	036	
-															
063	SPIRE PSW Ch05-08 . 7+		SPC.I -		S123	021SS-38	7	0123-3			HSSVMCB2	27	312200 J002	063	
075	SPIRE PSW Ch05-08 . 7-		SPC.I -		S123	021SS-38	7	0123-3			HSSVMCB2	27	312200 J002	075	
036	SPIRE PSW Ch05-08 . SHD07		SPC.I -		S123	021SS-38	7	0123-3	CS-S0123-3		HSSVMCB2	27	312200 J002	036	
-															
074	SPIRE PSW Ch05-08 . 8+		SPC.I -		S123	021SS-38	8	0123-4			HSSVMCB2	27	312200 J002	074	
073	SPIRE PSW Ch05-08 . 8-		SPC.I -		S123	021SS-38	8	0123-4			HSSVMCB2	27	312200 J002	073	
036	SPIRE PSW Ch05-08 . SHD08		SPC.I -		S123	021SS-38	8	0123-4	CS-S0123-4		HSSVMCB2	27	312200 J002	036	
-															
083	SPIRE PSW Ch09-12 . 9+		SPC.I -		S124	021SS-38	9	124-1			HSSVMCB2	27	312200 J002	083	
072	SPIRE PSW Ch09-12 . 9-		SPC.I -		S124	021SS-38	9	124-1			HSSVMCB2	27	312200 J002	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW Ch09-12 . SHD09		SPC.I	-	S124	021SS-38	9	124-1		CS-S124-1	HSSVMCB2	27	312200 J002	036	
-															
095	SPIRE PSW Ch09-12 . 10+		SPC.I	-	S124	021SS-38	10	124-2			HSSVMCB2	27	312200 J002	095	
084	SPIRE PSW Ch09-12 . 10-		SPC.I	-	S124	021SS-38	10	124-2			HSSVMCB2	27	312200 J002	084	
036	SPIRE PSW Ch09-12 . SHD10		SPC.I	-	S124	021SS-38	10	124-2		CS-S124-2	HSSVMCB2	27	312200 J002	036	
-															
096	SPIRE PSW Ch09-12 . 11+		SPC.I	-	S124	021SS-38	11	124-3			HSSVMCB2	27	312200 J002	096	
085	SPIRE PSW Ch09-12 . 11-		SPC.I	-	S124	021SS-38	11	124-3			HSSVMCB2	27	312200 J002	085	
036	SPIRE PSW Ch09-12 . SHD11		SPC.I	-	S124	021SS-38	11	124-3		CS-S124-3	HSSVMCB2	27	312200 J002	036	
-															
106	SPIRE PSW Ch09-12 . 12+		SPC.I	-	S124	021SS-38	12	124-4			HSSVMCB2	27	312200 J002	106	
107	SPIRE PSW Ch09-12 . 12-		SPC.I	-	S124	021SS-38	12	124-4			HSSVMCB2	27	312200 J002	107	
036	SPIRE PSW Ch09-12 . SHD12		SPC.I	-	S124	021SS-38	12	124-4		CS-S124-4	HSSVMCB2	27	312200 J002	036	
-															
086	SPIRE PSW Ch13-16 . 13+		SPC.I	-	S127	021SS-38	13	127-1			HSSVMCB2	27	312200 J002	086	
087	SPIRE PSW Ch13-16 . 13-		SPC.I	-	S127	021SS-38	13	127-1			HSSVMCB2	27	312200 J002	087	
036	SPIRE PSW Ch13-16 . SHD13		SPC.I	-	S127	021SS-38	13	127-1		CS-S127-1	HSSVMCB2	27	312200 J002	036	
-															
097	SPIRE PSW Ch13-16 . 14+		SPC.I	-	S127	021SS-38	14	127-2			HSSVMCB2	27	312200 J002	097	
098	SPIRE PSW Ch13-16 . 14-		SPC.I	-	S127	021SS-38	14	127-2			HSSVMCB2	27	312200 J002	098	
036	SPIRE PSW Ch13-16 . SHD14		SPC.I	-	S127	021SS-38	14	127-2		CS-S127-2	HSSVMCB2	27	312200 J002	036	
-															
108	SPIRE PSW Ch13-16 . 15+		SPC.I	-	S127	021SS-38	15	127-3			HSSVMCB2	27	312200 J002	108	
109	SPIRE PSW Ch13-16 . 15-		SPC.I	-	S127	021SS-38	15	127-3			HSSVMCB2	27	312200 J002	109	
036	SPIRE PSW Ch13-16 . SHD15		SPC.I	-	S127	021SS-38	15	127-3		CS-S127-3	HSSVMCB2	27	312200 J002	036	
-															
116	SPIRE PSW Ch13-16 . 16+		SPC.I	-	S127	021SS-38	16	127-4			HSSVMCB2	27	312200 J002	116	
117	SPIRE PSW Ch13-16 . 16-		SPC.I	-	S127	021SS-38	16	127-4			HSSVMCB2	27	312200 J002	117	
036	SPIRE PSW Ch13-16 . SHD16		SPC.I	-	S127	021SS-38	16	127-4		CS-S127-4	HSSVMCB2	27	312200 J002	036	
-															
036	SPIRE PLW B09 GND WIRE A1		SPX.-	-	S491	010B0-30					HSSVMCB2	27	312200 J002	036	
-															
055	SPIRE PSW Ch17-20 . 17+		SPC.I	-	S128	021SS-38	17	128-1			HSSVMCB2	27	312200 J002	055	
066	SPIRE PSW Ch17-20 . 17-		SPC.I	-	S128	021SS-38	17	128-1			HSSVMCB2	27	312200 J002	066	

Pin Allocation List

(Harness)

SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW Ch17-20 . SHD17		SPC.I	-	S128	021SS-38	17	128-1		CS-S128-1	HSSVMCB2	27	312200 J002	128	
-															
067	SPIRE PSW Ch17-20 . 18+		SPC.I	-	S128	021SS-38	18	128-2			HSSVMCB2	27	312200 J002	067	
078	SPIRE PSW Ch17-20 . 18-		SPC.I	-	S128	021SS-38	18	128-2			HSSVMCB2	27	312200 J002	078	
128	SPIRE PSW Ch17-20 . SHD18		SPC.I	-	S128	021SS-38	18	128-2		CS-S128-2	HSSVMCB2	27	312200 J002	128	
-															
076	SPIRE PSW Ch17-20 . 19+		SPC.I	-	S128	021SS-38	19	128-3			HSSVMCB2	27	312200 J002	076	
077	SPIRE PSW Ch17-20 . 19-		SPC.I	-	S128	021SS-38	19	128-3			HSSVMCB2	27	312200 J002	077	
128	SPIRE PSW Ch17-20 . SHD19		SPC.I	-	S128	021SS-38	19	128-3		CS-S128-3	HSSVMCB2	27	312200 J002	128	
-															
088	SPIRE PSW Ch17-20 . 20+		SPC.I	-	S128	021SS-38	20	128-4			HSSVMCB2	27	312200 J002	088	
089	SPIRE PSW Ch17-20 . 20-		SPC.I	-	S128	021SS-38	20	128-4			HSSVMCB2	27	312200 J002	089	
128	SPIRE PSW Ch17-20 . SHD20		SPC.I	-	S128	021SS-38	20	128-4		CS-S128-4	HSSVMCB2	27	312200 J002	128	
-															
099	SPIRE PSW Ch21-24 . 21+		SPC.I	-	S129	021SS-38	21	129-1			HSSVMCB2	27	312200 J002	099	
100	SPIRE PSW Ch21-24 . 21-		SPC.I	-	S129	021SS-38	21	129-1			HSSVMCB2	27	312200 J002	100	
128	SPIRE PSW Ch21-24 . SHD21		SPC.I	-	S129	021SS-38	21	129-1		CS-S129-1	HSSVMCB2	27	312200 J002	128	
-															
110	SPIRE PSW Ch21-24 . 22+		SPC.I	-	S129	021SS-38	22	129-2			HSSVMCB2	27	312200 J002	110	
111	SPIRE PSW Ch21-24 . 22-		SPC.I	-	S129	021SS-38	22	129-2			HSSVMCB2	27	312200 J002	111	
128	SPIRE PSW Ch21-24 . SHD22		SPC.I	-	S129	021SS-38	22	129-2		CS-S129-2	HSSVMCB2	27	312200 J002	128	
-															
118	SPIRE PSW Ch21-24 . 23+		SPC.I	-	S129	021SS-38	23	129-3			HSSVMCB2	27	312200 J002	118	
119	SPIRE PSW Ch21-24 . 23-		SPC.I	-	S129	021SS-38	23	129-3			HSSVMCB2	27	312200 J002	119	
128	SPIRE PSW Ch21-24 . SHD23		SPC.I	-	S129	021SS-38	23	129-3		CS-S129-3	HSSVMCB2	27	312200 J002	128	
-															
112	SPIRE PSW Ch21-24 . 24+		SPC.I	-	S129	021SS-38	24	129-4			HSSVMCB2	27	312200 J002	112	
120	SPIRE PSW Ch21-24 . 24-		SPC.I	-	S129	021SS-38	24	129-4			HSSVMCB2	27	312200 J002	120	
128	SPIRE PSW Ch21-24 . SHD24		SPC.I	-	S129	021SS-38	24	129-4		CS-S129-4	HSSVMCB2	27	312200 J002	128	
-															
090	SPIRE PSW Ch25-28 . 25+		SPC.I	-	S131	021SS-38	25	131-1			HSSVMCB2	27	312200 J002	090	
079	SPIRE PSW Ch25-28 . 25-		SPC.I	-	S131	021SS-38	25	131-1			HSSVMCB2	27	312200 J002	079	
128	SPIRE PSW Ch25-28 . SHD25		SPC.I	-	S131	021SS-38	25	131-1		CS-S131-1	HSSVMCB2	27	312200 J002	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW Ch25-28 . 26+	SPC.I	-		S131	021SS-38	26	131-2		HSSVMCB2	27	312200 J002	102		
101	SPIRE PSW Ch25-28 . 26-	SPC.I	-		S131	021SS-38	26	131-2		HSSVMCB2	27	312200 J002	101		
128	SPIRE PSW Ch25-28 . SHD26	SPC.I	-		S131	021SS-38	26	131-2	CS-S131-2	HSSVMCB2	27	312200 J002	128		
-															
092	SPIRE PSW Ch25-28 . 27+	SPC.I	-		S131	021SS-38	27	131-3		HSSVMCB2	27	312200 J002	092		
091	SPIRE PSW Ch25-28 . 27-	SPC.I	-		S131	021SS-38	27	131-3		HSSVMCB2	27	312200 J002	091		
128	SPIRE PSW Ch25-28 . SHD27	SPC.I	-		S131	021SS-38	27	131-3	CS-S131-3	HSSVMCB2	27	312200 J002	128		
-															
103	SPIRE PSW Ch25-28 . 28+	SPC.I	-		S131	021SS-38	28	131-4		HSSVMCB2	27	312200 J002	103		
113	SPIRE PSW Ch25-28 . 28-	SPC.I	-		S131	021SS-38	28	131-4		HSSVMCB2	27	312200 J002	113		
128	SPIRE PSW Ch25-28 . SHD28	SPC.I	-		S131	021SS-38	28	131-4	CS-S131-4	HSSVMCB2	27	312200 J002	128		
-															
058	SPIRE PSW Ch29-32 . 29+	SPC.I	-		S132	021SS-38	29	132-1		HSSVMCB2	27	312200 J002	058		
046	SPIRE PSW Ch29-32 . 29-	SPC.I	-		S132	021SS-38	29	132-1		HSSVMCB2	27	312200 J002	046		
128	SPIRE PSW Ch29-32 . SHD29	SPC.I	-		S132	021SS-38	29	132-1	CS-S132-1	HSSVMCB2	27	312200 J002	128		
-															
068	SPIRE PSW Ch29-32 . 30+	SPC.I	-		S132	021SS-38	30	132-2		HSSVMCB2	27	312200 J002	068		
057	SPIRE PSW Ch29-32 . 30-	SPC.I	-		S132	021SS-38	30	132-2		HSSVMCB2	27	312200 J002	057		
128	SPIRE PSW Ch29-32 . SHD30	SPC.I	-		S132	021SS-38	30	132-2	CS-S132-2	HSSVMCB2	27	312200 J002	128		
-															
069	SPIRE PSW Ch29-32 . 31+	SPC.I	-		S132	021SS-38	31	132-3		HSSVMCB2	27	312200 J002	069		
080	SPIRE PSW Ch29-32 . 31-	SPC.I	-		S132	021SS-38	31	132-3		HSSVMCB2	27	312200 J002	080		
128	SPIRE PSW Ch29-32 . SHD31	SPC.I	-		S132	021SS-38	31	132-3	CS-S132-3	HSSVMCB2	27	312200 J002	128		
-															
070	SPIRE PSW Ch29-32 . 32+	SPC.I	-		S132	021SS-38	32	132-4		HSSVMCB2	27	312200 J002	070		
081	SPIRE PSW Ch29-32 . 32-	SPC.I	-		S132	021SS-38	32	132-4		HSSVMCB2	27	312200 J002	081		
128	SPIRE PSW Ch29-32 . SHD32	SPC.I	-		S132	021SS-38	32	132-4	CS-S132-4	HSSVMCB2	27	312200 J002	128		
-															
128	SPIRE PLW B09 GND WIRE A2	SPX.-	-		S492	010B0-30				HSSVMCB2	27	312200 J002	128		
-															
023	SPIRE PSW Ch33-36 . 33+	SPC.I	-		S133	021SS-38	33	133-1		HSSVMCB2	27	312200 J002	023		
034	SPIRE PSW Ch33-36 . 33-	SPC.I	-		S133	021SS-38	33	133-1		HSSVMCB2	27	312200 J002	034		
004	SPIRE PSW Ch33-36 . SHD33	SPC.I	-		S133	021SS-38	33	133-1	CS-S133-1	HSSVMCB2	27	312200 J002	004		
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW Ch33-36 . 34+		SPC.I -		S133	021SS-38	34	133-2		HSSVMCB2	27	312200 J002	033		
045	SPIRE PSW Ch33-36 . 34-		SPC.I -		S133	021SS-38	34	133-2		HSSVMCB2	27	312200 J002	045		
004	SPIRE PSW Ch33-36 . SHD34		SPC.I -		S133	021SS-38	34	133-2	CS-S133-2	HSSVMCB2	27	312200 J002	004		
-															
044	SPIRE PSW Ch33-36 . 35+		SPC.I -		S133	021SS-38	35	133-3		HSSVMCB2	27	312200 J002	044		
056	SPIRE PSW Ch33-36 . 35-		SPC.I -		S133	021SS-38	35	133-3		HSSVMCB2	27	312200 J002	056		
004	SPIRE PSW Ch33-36 . SHD35		SPC.I -		S133	021SS-38	35	133-3	CS-S133-3	HSSVMCB2	27	312200 J002	004		
-															
022	SPIRE PSW Ch33-36 . 36+		SPC.I -		S133	021SS-38	36	133-4		HSSVMCB2	27	312200 J002	022		
032	SPIRE PSW Ch33-36 . 36-		SPC.I -		S133	021SS-38	36	133-4		HSSVMCB2	27	312200 J002	032		
004	SPIRE PSW Ch33-36 . SHD36		SPC.I -		S133	021SS-38	36	133-4	CS-S133-4	HSSVMCB2	27	312200 J002	004		
-															
013	SPIRE PSW Ch37-40 . 37+		SPC.I -		S136	021SS-38	37	136-1		HSSVMCB2	27	312200 J002	013		
012	SPIRE PSW Ch37-40 . 37-		SPC.I -		S136	021SS-38	37	136-1		HSSVMCB2	27	312200 J002	012		
004	SPIRE PSW Ch37-40 . SHD37		SPC.I -		S136	021SS-38	37	136-1	CS-S136-1	HSSVMCB2	27	312200 J002	004		
-															
021	SPIRE PSW Ch37-40 . 38+		SPC.I -		S136	021SS-38	38	136-2		HSSVMCB2	27	312200 J002	021		
020	SPIRE PSW Ch37-40 . 38-		SPC.I -		S136	021SS-38	38	136-2		HSSVMCB2	27	312200 J002	020		
004	SPIRE PSW Ch37-40 . SHD38		SPC.I -		S136	021SS-38	38	136-2	CS-S136-2	HSSVMCB2	27	312200 J002	004		
-															
031	SPIRE PSW Ch37-40 . 39+		SPC.I -		S136	021SS-38	39	136-3		HSSVMCB2	27	312200 J002	031		
043	SPIRE PSW Ch37-40 . 39-		SPC.I -		S136	021SS-38	39	136-3		HSSVMCB2	27	312200 J002	043		
004	SPIRE PSW Ch37-40 . SHD39		SPC.I -		S136	021SS-38	39	136-3	CS-S136-3	HSSVMCB2	27	312200 J002	004		
-															
042	SPIRE PSW Ch37-40 . 40+		SPC.I -		S136	021SS-38	40	136-4		HSSVMCB2	27	312200 J002	042		
054	SPIRE PSW Ch37-40 . 40-		SPC.I -		S136	021SS-38	40	136-4		HSSVMCB2	27	312200 J002	054		
004	SPIRE PSW Ch37-40 . SHD40		SPC.I -		S136	021SS-38	40	136-4	CS-S136-4	HSSVMCB2	27	312200 J002	004		
-															
010	SPIRE PSW Ch41-44 . 41+		SPC.I -		S137	021SS-38	41	137-1		HSSVMCB2	27	312200 J002	010		
011	SPIRE PSW Ch41-44 . 41-		SPC.I -		S137	021SS-38	41	137-1		HSSVMCB2	27	312200 J002	011		
004	SPIRE PSW Ch41-44 . SHD41		SPC.I -		S137	021SS-38	41	137-1	CS-S137-1	HSSVMCB2	27	312200 J002	004		
-															
019	SPIRE PSW Ch41-44 . 42+		SPC.I -		S137	021SS-38	42	137-2		HSSVMCB2	27	312200 J002	019		
029	SPIRE PSW Ch41-44 . 42-		SPC.I -		S137	021SS-38	42	137-2		HSSVMCB2	27	312200 J002	029		

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P028

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW Ch41-44 . SHD42		SPC.I	-	S137	021SS-38	42	137-2		CS-S137-2	HSSVMCB2	27	312200 J002	004	
-															
041	SPIRE PSW Ch41-44 . 43+		SPC.I	-	S137	021SS-38	43	137-3			HSSVMCB2	27	312200 J002	041	
030	SPIRE PSW Ch41-44 . 43-		SPC.I	-	S137	021SS-38	43	137-3			HSSVMCB2	27	312200 J002	030	
004	SPIRE PSW Ch41-44 . SHD43		SPC.I	-	S137	021SS-38	43	137-3		CS-S137-3	HSSVMCB2	27	312200 J002	004	
-															
053	SPIRE PSW Ch41-44 . 44+		SPC.I	-	S137	021SS-38	44	137-4			HSSVMCB2	27	312200 J002	053	
052	SPIRE PSW Ch41-44 . 44-		SPC.I	-	S137	021SS-38	44	137-4			HSSVMCB2	27	312200 J002	052	
004	SPIRE PSW Ch41-44 . SHD44		SPC.I	-	S137	021SS-38	44	137-4		CS-S137-4	HSSVMCB2	27	312200 J002	004	
-															
009	SPIRE PSW Ch45-48 . 45+		SPC.I	-	S138	021SS-38	45	138-1			HSSVMCB2	27	312200 J002	009	
017	SPIRE PSW Ch45-48 . 45-		SPC.I	-	S138	021SS-38	45	138-1			HSSVMCB2	27	312200 J002	017	
004	SPIRE PSW Ch45-48 . SHD45		SPC.I	-	S138	021SS-38	45	138-1		CS-S138-1	HSSVMCB2	27	312200 J002	004	
-															
018	SPIRE PSW Ch45-48 . 46+		SPC.I	-	S138	021SS-38	46	138-2			HSSVMCB2	27	312200 J002	018	
028	SPIRE PSW Ch45-48 . 46-		SPC.I	-	S138	021SS-38	46	138-2			HSSVMCB2	27	312200 J002	028	
004	SPIRE PSW Ch45-48 . SHD46		SPC.I	-	S138	021SS-38	46	138-2		CS-S138-2	HSSVMCB2	27	312200 J002	004	
-															
016	SPIRE PSW Ch45-48 . 47+		SPC.I	-	S138	021SS-38	47	138-3			HSSVMCB2	27	312200 J002	016	
027	SPIRE PSW Ch45-48 . 47-		SPC.I	-	S138	021SS-38	47	138-3			HSSVMCB2	27	312200 J002	027	
004	SPIRE PSW Ch45-48 . SHD47		SPC.I	-	S138	021SS-38	47	138-3		CS-S138-3	HSSVMCB2	27	312200 J002	004	
-															
040	SPIRE PSW Ch45-48 . 48+		SPC.I	-	S138	021SS-38	48	138-4			HSSVMCB2	27	312200 J002	040	
039	SPIRE PSW Ch45-48 . 48-		SPC.I	-	S138	021SS-38	48	138-4			HSSVMCB2	27	312200 J002	039	
004	SPIRE PSW Ch45-48 . SHD48		SPC.I	-	S138	021SS-38	48	138-4		CS-S138-4	HSSVMCB2	27	312200 J002	004	
-															
004	SPIRE PLW B09 GND WIRE A4		SPX.-	-	S494	010B0-30					HSSVMCB2	27	312200 J002	004	
-															
047	SPIRE PLW B09 GND WIRE A3		SPX.-	-	S493	010B0-30					HSSVMCB2	27	312200 J002	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 P028
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 341 (of 599)

Connector: 211121 P028
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW Ch01-04 . 1+		SPC.I -		S122	021SS-38	1	122-1			CVVUCR	33	211121 P028	026	
037	SPIRE PSW Ch01-04 . 1-		SPC.I -		S122	021SS-38	1	122-1			CVVUCR	33	211121 P028	037	
036	SPIRE PSW Ch01-04 . SHD01		SPC.I -		S122	021SS-38	1	122-1	CS-S122-1		CVVUCR	33	211121 P028	036	
-															
038	SPIRE PSW Ch01-04 . 2+		SPC.I -		S122	021SS-38	2	122-2			CVVUCR	33	211121 P028	038	
049	SPIRE PSW Ch01-04 . 2-		SPC.I -		S122	021SS-38	2	122-2			CVVUCR	33	211121 P028	049	
036	SPIRE PSW Ch01-04 . SHD02		SPC.I -		S122	021SS-38	2	122-2	CS-S122-2		CVVUCR	33	211121 P028	036	
-															
048	SPIRE PSW Ch01-04 . 3+		SPC.I -		S122	021SS-38	3	122-3			CVVUCR	33	211121 P028	048	
060	SPIRE PSW Ch01-04 . 3-		SPC.I -		S122	021SS-38	3	122-3			CVVUCR	33	211121 P028	060	
036	SPIRE PSW Ch01-04 . SHD03		SPC.I -		S122	021SS-38	3	122-3	CS-S122-3		CVVUCR	33	211121 P028	036	
-															
059	SPIRE PSW Ch01-04 . 4+		SPC.I -		S122	021SS-38	4	122-4			CVVUCR	33	211121 P028	059	
071	SPIRE PSW Ch01-04 . 4-		SPC.I -		S122	021SS-38	4	122-4			CVVUCR	33	211121 P028	071	
036	SPIRE PSW Ch01-04 . SHD04		SPC.I -		S122	021SS-38	4	122-4	CS-S122-4		CVVUCR	33	211121 P028	036	
-															
050	SPIRE PSW Ch05-08 . 5+		SPC.I -		S123	021SS-38	5	0123-1			CVVUCR	33	211121 P028	050	
061	SPIRE PSW Ch05-08 . 5-		SPC.I -		S123	021SS-38	5	0123-1			CVVUCR	33	211121 P028	061	
036	SPIRE PSW Ch05-08 . SHD05		SPC.I -		S123	021SS-38	5	0123-1	CS-S0123-1		CVVUCR	33	211121 P028	036	
-															
062	SPIRE PSW Ch05-08 . 6+		SPC.I -		S123	021SS-38	6	0123-2			CVVUCR	33	211121 P028	062	
051	SPIRE PSW Ch05-08 . 6-		SPC.I -		S123	021SS-38	6	0123-2			CVVUCR	33	211121 P028	051	
036	SPIRE PSW Ch05-08 . SHD06		SPC.I -		S123	021SS-38	6	0123-2	CS-S0123-2		CVVUCR	33	211121 P028	036	
-															
063	SPIRE PSW Ch05-08 . 7+		SPC.I -		S123	021SS-38	7	0123-3			CVVUCR	33	211121 P028	063	
075	SPIRE PSW Ch05-08 . 7-		SPC.I -		S123	021SS-38	7	0123-3			CVVUCR	33	211121 P028	075	
036	SPIRE PSW Ch05-08 . SHD07		SPC.I -		S123	021SS-38	7	0123-3	CS-S0123-3		CVVUCR	33	211121 P028	036	
-															
074	SPIRE PSW Ch05-08 . 8+		SPC.I -		S123	021SS-38	8	0123-4			CVVUCR	33	211121 P028	074	
073	SPIRE PSW Ch05-08 . 8-		SPC.I -		S123	021SS-38	8	0123-4			CVVUCR	33	211121 P028	073	
036	SPIRE PSW Ch05-08 . SHD08		SPC.I -		S123	021SS-38	8	0123-4	CS-S0123-4		CVVUCR	33	211121 P028	036	
-															
083	SPIRE PSW Ch09-12 . 9+		SPC.I -		S124	021SS-38	9	124-1			CVVUCR	33	211121 P028	083	
072	SPIRE PSW Ch09-12 . 9-		SPC.I -		S124	021SS-38	9	124-1			CVVUCR	33	211121 P028	072	

Pin Allocation List

(Harness)

SPIRE

Connector: 312200 J002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW Ch09-12 . SHD09		SPC.I	-	S124	021SS-38	9	124-1		CS-S124-1	CVVUCR	33	211121 P028	036	
-															
095	SPIRE PSW Ch09-12 . 10+		SPC.I	-	S124	021SS-38	10	124-2			CVVUCR	33	211121 P028	095	
084	SPIRE PSW Ch09-12 . 10-		SPC.I	-	S124	021SS-38	10	124-2			CVVUCR	33	211121 P028	084	
036	SPIRE PSW Ch09-12 . SHD10		SPC.I	-	S124	021SS-38	10	124-2		CS-S124-2	CVVUCR	33	211121 P028	036	
-															
096	SPIRE PSW Ch09-12 . 11+		SPC.I	-	S124	021SS-38	11	124-3			CVVUCR	33	211121 P028	096	
085	SPIRE PSW Ch09-12 . 11-		SPC.I	-	S124	021SS-38	11	124-3			CVVUCR	33	211121 P028	085	
036	SPIRE PSW Ch09-12 . SHD11		SPC.I	-	S124	021SS-38	11	124-3		CS-S124-3	CVVUCR	33	211121 P028	036	
-															
106	SPIRE PSW Ch09-12 . 12+		SPC.I	-	S124	021SS-38	12	124-4			CVVUCR	33	211121 P028	106	
107	SPIRE PSW Ch09-12 . 12-		SPC.I	-	S124	021SS-38	12	124-4			CVVUCR	33	211121 P028	107	
036	SPIRE PSW Ch09-12 . SHD12		SPC.I	-	S124	021SS-38	12	124-4		CS-S124-4	CVVUCR	33	211121 P028	036	
-															
086	SPIRE PSW Ch13-16 . 13+		SPC.I	-	S127	021SS-38	13	127-1			CVVUCR	33	211121 P028	086	
087	SPIRE PSW Ch13-16 . 13-		SPC.I	-	S127	021SS-38	13	127-1			CVVUCR	33	211121 P028	087	
036	SPIRE PSW Ch13-16 . SHD13		SPC.I	-	S127	021SS-38	13	127-1		CS-S127-1	CVVUCR	33	211121 P028	036	
-															
097	SPIRE PSW Ch13-16 . 14+		SPC.I	-	S127	021SS-38	14	127-2			CVVUCR	33	211121 P028	097	
098	SPIRE PSW Ch13-16 . 14-		SPC.I	-	S127	021SS-38	14	127-2			CVVUCR	33	211121 P028	098	
036	SPIRE PSW Ch13-16 . SHD14		SPC.I	-	S127	021SS-38	14	127-2		CS-S127-2	CVVUCR	33	211121 P028	036	
-															
108	SPIRE PSW Ch13-16 . 15+		SPC.I	-	S127	021SS-38	15	127-3			CVVUCR	33	211121 P028	108	
109	SPIRE PSW Ch13-16 . 15-		SPC.I	-	S127	021SS-38	15	127-3			CVVUCR	33	211121 P028	109	
036	SPIRE PSW Ch13-16 . SHD15		SPC.I	-	S127	021SS-38	15	127-3		CS-S127-3	CVVUCR	33	211121 P028	036	
-															
116	SPIRE PSW Ch13-16 . 16+		SPC.I	-	S127	021SS-38	16	127-4			CVVUCR	33	211121 P028	116	
117	SPIRE PSW Ch13-16 . 16-		SPC.I	-	S127	021SS-38	16	127-4			CVVUCR	33	211121 P028	117	
036	SPIRE PSW Ch13-16 . SHD16		SPC.I	-	S127	021SS-38	16	127-4		CS-S127-4	CVVUCR	33	211121 P028	036	
-															
036	SPIRE PLW B09 GND WIRE A1		SPX.-	-	S491	010B0-30					CVVUCR	33	211121 P028	036	
-															
055	SPIRE PSW Ch17-20 . 17+		SPC.I	-	S128	021SS-38	17	128-1			CVVUCR	33	211121 P028	055	
066	SPIRE PSW Ch17-20 . 17-		SPC.I	-	S128	021SS-38	17	128-1			CVVUCR	33	211121 P028	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002**Function / Bundle:** SPIRE SVM CB2 SIH-XS-09**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW Ch17-20 . SHD17		SPC.I	-	S128	021SS-38	17	128-1		CS-S128-1	CVVUCR	33	211121 P028	128	
-															
067	SPIRE PSW Ch17-20 . 18+		SPC.I	-	S128	021SS-38	18	128-2			CVVUCR	33	211121 P028	067	
078	SPIRE PSW Ch17-20 . 18-		SPC.I	-	S128	021SS-38	18	128-2			CVVUCR	33	211121 P028	078	
128	SPIRE PSW Ch17-20 . SHD18		SPC.I	-	S128	021SS-38	18	128-2		CS-S128-2	CVVUCR	33	211121 P028	128	
-															
076	SPIRE PSW Ch17-20 . 19+		SPC.I	-	S128	021SS-38	19	128-3			CVVUCR	33	211121 P028	076	
077	SPIRE PSW Ch17-20 . 19-		SPC.I	-	S128	021SS-38	19	128-3			CVVUCR	33	211121 P028	077	
128	SPIRE PSW Ch17-20 . SHD19		SPC.I	-	S128	021SS-38	19	128-3		CS-S128-3	CVVUCR	33	211121 P028	128	
-															
088	SPIRE PSW Ch17-20 . 20+		SPC.I	-	S128	021SS-38	20	128-4			CVVUCR	33	211121 P028	088	
089	SPIRE PSW Ch17-20 . 20-		SPC.I	-	S128	021SS-38	20	128-4			CVVUCR	33	211121 P028	089	
128	SPIRE PSW Ch17-20 . SHD20		SPC.I	-	S128	021SS-38	20	128-4		CS-S128-4	CVVUCR	33	211121 P028	128	
-															
099	SPIRE PSW Ch21-24 . 21+		SPC.I	-	S129	021SS-38	21	129-1			CVVUCR	33	211121 P028	099	
100	SPIRE PSW Ch21-24 . 21-		SPC.I	-	S129	021SS-38	21	129-1			CVVUCR	33	211121 P028	100	
128	SPIRE PSW Ch21-24 . SHD21		SPC.I	-	S129	021SS-38	21	129-1		CS-S129-1	CVVUCR	33	211121 P028	128	
-															
110	SPIRE PSW Ch21-24 . 22+		SPC.I	-	S129	021SS-38	22	129-2			CVVUCR	33	211121 P028	110	
111	SPIRE PSW Ch21-24 . 22-		SPC.I	-	S129	021SS-38	22	129-2			CVVUCR	33	211121 P028	111	
128	SPIRE PSW Ch21-24 . SHD22		SPC.I	-	S129	021SS-38	22	129-2		CS-S129-2	CVVUCR	33	211121 P028	128	
-															
118	SPIRE PSW Ch21-24 . 23+		SPC.I	-	S129	021SS-38	23	129-3			CVVUCR	33	211121 P028	118	
119	SPIRE PSW Ch21-24 . 23-		SPC.I	-	S129	021SS-38	23	129-3			CVVUCR	33	211121 P028	119	
128	SPIRE PSW Ch21-24 . SHD23		SPC.I	-	S129	021SS-38	23	129-3		CS-S129-3	CVVUCR	33	211121 P028	128	
-															
112	SPIRE PSW Ch21-24 . 24+		SPC.I	-	S129	021SS-38	24	129-4			CVVUCR	33	211121 P028	112	
120	SPIRE PSW Ch21-24 . 24-		SPC.I	-	S129	021SS-38	24	129-4			CVVUCR	33	211121 P028	120	
128	SPIRE PSW Ch21-24 . SHD24		SPC.I	-	S129	021SS-38	24	129-4		CS-S129-4	CVVUCR	33	211121 P028	128	
-															
090	SPIRE PSW Ch25-28 . 25+		SPC.I	-	S131	021SS-38	25	131-1			CVVUCR	33	211121 P028	090	
079	SPIRE PSW Ch25-28 . 25-		SPC.I	-	S131	021SS-38	25	131-1			CVVUCR	33	211121 P028	079	
128	SPIRE PSW Ch25-28 . SHD25		SPC.I	-	S131	021SS-38	25	131-1		CS-S131-1	CVVUCR	33	211121 P028	128	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW Ch25-28 . 26+		SPC.I -		S131	021SS-38	26	131-2			CVVUCR	33	211121 P028	102	
101	SPIRE PSW Ch25-28 . 26-		SPC.I -		S131	021SS-38	26	131-2			CVVUCR	33	211121 P028	101	
128	SPIRE PSW Ch25-28 . SHD26		SPC.I -		S131	021SS-38	26	131-2	CS-S131-2		CVVUCR	33	211121 P028	128	
-															
092	SPIRE PSW Ch25-28 . 27+		SPC.I -		S131	021SS-38	27	131-3			CVVUCR	33	211121 P028	092	
091	SPIRE PSW Ch25-28 . 27-		SPC.I -		S131	021SS-38	27	131-3			CVVUCR	33	211121 P028	091	
128	SPIRE PSW Ch25-28 . SHD27		SPC.I -		S131	021SS-38	27	131-3	CS-S131-3		CVVUCR	33	211121 P028	128	
-															
103	SPIRE PSW Ch25-28 . 28+		SPC.I -		S131	021SS-38	28	131-4			CVVUCR	33	211121 P028	103	
113	SPIRE PSW Ch25-28 . 28-		SPC.I -		S131	021SS-38	28	131-4			CVVUCR	33	211121 P028	113	
128	SPIRE PSW Ch25-28 . SHD28		SPC.I -		S131	021SS-38	28	131-4	CS-S131-4		CVVUCR	33	211121 P028	128	
-															
058	SPIRE PSW Ch29-32 . 29+		SPC.I -		S132	021SS-38	29	132-1			CVVUCR	33	211121 P028	058	
046	SPIRE PSW Ch29-32 . 29-		SPC.I -		S132	021SS-38	29	132-1			CVVUCR	33	211121 P028	046	
128	SPIRE PSW Ch29-32 . SHD29		SPC.I -		S132	021SS-38	29	132-1	CS-S132-1		CVVUCR	33	211121 P028	128	
-															
068	SPIRE PSW Ch29-32 . 30+		SPC.I -		S132	021SS-38	30	132-2			CVVUCR	33	211121 P028	068	
057	SPIRE PSW Ch29-32 . 30-		SPC.I -		S132	021SS-38	30	132-2			CVVUCR	33	211121 P028	057	
128	SPIRE PSW Ch29-32 . SHD30		SPC.I -		S132	021SS-38	30	132-2	CS-S132-2		CVVUCR	33	211121 P028	128	
-															
069	SPIRE PSW Ch29-32 . 31+		SPC.I -		S132	021SS-38	31	132-3			CVVUCR	33	211121 P028	069	
080	SPIRE PSW Ch29-32 . 31-		SPC.I -		S132	021SS-38	31	132-3			CVVUCR	33	211121 P028	080	
128	SPIRE PSW Ch29-32 . SHD31		SPC.I -		S132	021SS-38	31	132-3	CS-S132-3		CVVUCR	33	211121 P028	128	
-															
070	SPIRE PSW Ch29-32 . 32+		SPC.I -		S132	021SS-38	32	132-4			CVVUCR	33	211121 P028	070	
081	SPIRE PSW Ch29-32 . 32-		SPC.I -		S132	021SS-38	32	132-4			CVVUCR	33	211121 P028	081	
128	SPIRE PSW Ch29-32 . SHD32		SPC.I -		S132	021SS-38	32	132-4	CS-S132-4		CVVUCR	33	211121 P028	128	
-															
128	SPIRE PLW B09 GND WIRE A2		SPX.- -		S492	010B0-30					CVVUCR	33	211121 P028	128	
-															
023	SPIRE PSW Ch33-36 . 33+		SPC.I -		S133	021SS-38	33	133-1			CVVUCR	33	211121 P028	023	
034	SPIRE PSW Ch33-36 . 33-		SPC.I -		S133	021SS-38	33	133-1			CVVUCR	33	211121 P028	034	
004	SPIRE PSW Ch33-36 . SHD33		SPC.I -		S133	021SS-38	33	133-1	CS-S133-1		CVVUCR	33	211121 P028	004	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
033	SPIRE PSW Ch33-36 . 34+		SPC.I -		S133	021SS-38	34	133-2		CVVUCR	33	211121 P028	033	
045	SPIRE PSW Ch33-36 . 34-		SPC.I -		S133	021SS-38	34	133-2		CVVUCR	33	211121 P028	045	
004	SPIRE PSW Ch33-36 . SHD34		SPC.I -		S133	021SS-38	34	133-2	CS-S133-2	CVVUCR	33	211121 P028	004	
-														
044	SPIRE PSW Ch33-36 . 35+		SPC.I -		S133	021SS-38	35	133-3		CVVUCR	33	211121 P028	044	
056	SPIRE PSW Ch33-36 . 35-		SPC.I -		S133	021SS-38	35	133-3		CVVUCR	33	211121 P028	056	
004	SPIRE PSW Ch33-36 . SHD35		SPC.I -		S133	021SS-38	35	133-3	CS-S133-3	CVVUCR	33	211121 P028	004	
-														
022	SPIRE PSW Ch33-36 . 36+		SPC.I -		S133	021SS-38	36	133-4		CVVUCR	33	211121 P028	022	
032	SPIRE PSW Ch33-36 . 36-		SPC.I -		S133	021SS-38	36	133-4		CVVUCR	33	211121 P028	032	
004	SPIRE PSW Ch33-36 . SHD36		SPC.I -		S133	021SS-38	36	133-4	CS-S133-4	CVVUCR	33	211121 P028	004	
-														
013	SPIRE PSW Ch37-40 . 37+		SPC.I -		S136	021SS-38	37	136-1		CVVUCR	33	211121 P028	013	
012	SPIRE PSW Ch37-40 . 37-		SPC.I -		S136	021SS-38	37	136-1		CVVUCR	33	211121 P028	012	
004	SPIRE PSW Ch37-40 . SHD37		SPC.I -		S136	021SS-38	37	136-1	CS-S136-1	CVVUCR	33	211121 P028	004	
-														
021	SPIRE PSW Ch37-40 . 38+		SPC.I -		S136	021SS-38	38	136-2		CVVUCR	33	211121 P028	021	
020	SPIRE PSW Ch37-40 . 38-		SPC.I -		S136	021SS-38	38	136-2		CVVUCR	33	211121 P028	020	
004	SPIRE PSW Ch37-40 . SHD38		SPC.I -		S136	021SS-38	38	136-2	CS-S136-2	CVVUCR	33	211121 P028	004	
-														
031	SPIRE PSW Ch37-40 . 39+		SPC.I -		S136	021SS-38	39	136-3		CVVUCR	33	211121 P028	031	
043	SPIRE PSW Ch37-40 . 39-		SPC.I -		S136	021SS-38	39	136-3		CVVUCR	33	211121 P028	043	
004	SPIRE PSW Ch37-40 . SHD39		SPC.I -		S136	021SS-38	39	136-3	CS-S136-3	CVVUCR	33	211121 P028	004	
-														
042	SPIRE PSW Ch37-40 . 40+		SPC.I -		S136	021SS-38	40	136-4		CVVUCR	33	211121 P028	042	
054	SPIRE PSW Ch37-40 . 40-		SPC.I -		S136	021SS-38	40	136-4		CVVUCR	33	211121 P028	054	
004	SPIRE PSW Ch37-40 . SHD40		SPC.I -		S136	021SS-38	40	136-4	CS-S136-4	CVVUCR	33	211121 P028	004	
-														
010	SPIRE PSW Ch41-44 . 41+		SPC.I -		S137	021SS-38	41	137-1		CVVUCR	33	211121 P028	010	
011	SPIRE PSW Ch41-44 . 41-		SPC.I -		S137	021SS-38	41	137-1		CVVUCR	33	211121 P028	011	
004	SPIRE PSW Ch41-44 . SHD41		SPC.I -		S137	021SS-38	41	137-1	CS-S137-1	CVVUCR	33	211121 P028	004	
-														
019	SPIRE PSW Ch41-44 . 42+		SPC.I -		S137	021SS-38	42	137-2		CVVUCR	33	211121 P028	019	
029	SPIRE PSW Ch41-44 . 42-		SPC.I -		S137	021SS-38	42	137-2		CVVUCR	33	211121 P028	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB2

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW Ch41-44 . SHD42		SPC.I	-	S137	021SS-38	42	137-2		CS-S137-2	CVVUCR	33	211121 P028	004	
-															
041	SPIRE PSW Ch41-44 . 43+		SPC.I	-	S137	021SS-38	43	137-3			CVVUCR	33	211121 P028	041	
030	SPIRE PSW Ch41-44 . 43-		SPC.I	-	S137	021SS-38	43	137-3			CVVUCR	33	211121 P028	030	
004	SPIRE PSW Ch41-44 . SHD43		SPC.I	-	S137	021SS-38	43	137-3		CS-S137-3	CVVUCR	33	211121 P028	004	
-															
053	SPIRE PSW Ch41-44 . 44+		SPC.I	-	S137	021SS-38	44	137-4			CVVUCR	33	211121 P028	053	
052	SPIRE PSW Ch41-44 . 44-		SPC.I	-	S137	021SS-38	44	137-4			CVVUCR	33	211121 P028	052	
004	SPIRE PSW Ch41-44 . SHD44		SPC.I	-	S137	021SS-38	44	137-4		CS-S137-4	CVVUCR	33	211121 P028	004	
-															
009	SPIRE PSW Ch45-48 . 45+		SPC.I	-	S138	021SS-38	45	138-1			CVVUCR	33	211121 P028	009	
017	SPIRE PSW Ch45-48 . 45-		SPC.I	-	S138	021SS-38	45	138-1			CVVUCR	33	211121 P028	017	
004	SPIRE PSW Ch45-48 . SHD45		SPC.I	-	S138	021SS-38	45	138-1		CS-S138-1	CVVUCR	33	211121 P028	004	
-															
018	SPIRE PSW Ch45-48 . 46+		SPC.I	-	S138	021SS-38	46	138-2			CVVUCR	33	211121 P028	018	
028	SPIRE PSW Ch45-48 . 46-		SPC.I	-	S138	021SS-38	46	138-2			CVVUCR	33	211121 P028	028	
004	SPIRE PSW Ch45-48 . SHD46		SPC.I	-	S138	021SS-38	46	138-2		CS-S138-2	CVVUCR	33	211121 P028	004	
-															
016	SPIRE PSW Ch45-48 . 47+		SPC.I	-	S138	021SS-38	47	138-3			CVVUCR	33	211121 P028	016	
027	SPIRE PSW Ch45-48 . 47-		SPC.I	-	S138	021SS-38	47	138-3			CVVUCR	33	211121 P028	027	
004	SPIRE PSW Ch45-48 . SHD47		SPC.I	-	S138	021SS-38	47	138-3		CS-S138-3	CVVUCR	33	211121 P028	004	
-															
040	SPIRE PSW Ch45-48 . 48+		SPC.I	-	S138	021SS-38	48	138-4			CVVUCR	33	211121 P028	040	
039	SPIRE PSW Ch45-48 . 48-		SPC.I	-	S138	021SS-38	48	138-4			CVVUCR	33	211121 P028	039	
004	SPIRE PSW Ch45-48 . SHD48		SPC.I	-	S138	021SS-38	48	138-4		CS-S138-4	CVVUCR	33	211121 P028	004	
-															
004	SPIRE PLW B09 GND WIRE A4		SPX.-	-	S494	010B0-30					CVVUCR	33	211121 P028	004	
-															
047	SPIRE PLW B09 GND WIRE A3		SPX.-	-	S493	010B0-30					CVVUCR	33	211121 P028	047	
-															
036	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S
004	to be con to pin 036														
047	to be con to pin 036														
128	to be con to pin 036														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 J002**Function / Bundle:** SPIRE SVM CB2 SIH-XS-09**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB2**Backshell:** 440 FS 110 M 24 03

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

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 349 (of 599)

Connector: 312200 J002
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 03

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P034**Function / Bundle:** UFThr. 318.1° / SIH-XS-10**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SorptPumpTemp(N) . I+		S3E.-	-	S234	041SS-38	1				HSSVMCB3	27	312300 J006	029	
030	SPIRE SorptPumpTemp(N) . I-		S3E.-	-	S234	041SS-38	1				HSSVMCB3	27	312300 J006	030	
041	SPIRE SorptPumpTemp(N) . V+		S3E.-	-	S234	041SS-38	1				HSSVMCB3	27	312300 J006	041	
042	SPIRE SorptPumpTemp(N) . V-		S3E.-	-	S234	041SS-38	1				HSSVMCB3	27	312300 J006	042	
031	SPIRE SorptPumpTemp(N) . SHD01		S3E.-	-	S234	041SS-38	1			CS-S234	HSSVMCB3	27	312300 J006	031	
-															
077	SPIRE EvaporatorTemp(N) . I+		S3E.-	-	S235	041SS-38	2				HSSVMCB3	27	312300 J006	077	
076	SPIRE EvaporatorTemp(N) . I-		S3E.-	-	S235	041SS-38	2				HSSVMCB3	27	312300 J006	076	
066	SPIRE EvaporatorTemp(N) . V+		S3E.-	-	S235	041SS-38	2				HSSVMCB3	27	312300 J006	066	
065	SPIRE EvaporatorTemp(N) . V-		S3E.-	-	S235	041SS-38	2				HSSVMCB3	27	312300 J006	065	
054	SPIRE EvaporatorTemp(N) . SHD02		S3E.-	-	S235	041SS-38	2			CS-S235	HSSVMCB3	27	312300 J006	054	
-															
053	SPIRE SorptPumpSwTemp(N) . I+		S3E.-	-	S236	041SS-38	3				HSSVMCB3	27	312300 J006	053	
052	SPIRE SorptPumpSwTemp(N) . I-		S3E.-	-	S236	041SS-38	3				HSSVMCB3	27	312300 J006	052	
064	SPIRE SorptPumpSwTemp(N) . V+		S3E.-	-	S236	041SS-38	3				HSSVMCB3	27	312300 J006	064	
063	SPIRE SorptPumpSwTemp(N) . V-		S3E.-	-	S236	041SS-38	3				HSSVMCB3	27	312300 J006	063	
075	SPIRE SorptPumpSwTemp(N) . SHD03		S3E.-	-	S236	041SS-38	3			CS-S236	HSSVMCB3	27	312300 J006	075	
-															
050	SPIRE EvaporSwTemp(N) . I+		S3E.-	-	S237	041SS-38	4				HSSVMCB3	27	312300 J006	050	
061	SPIRE EvaporSwTemp(N) . I-		S3E.-	-	S237	041SS-38	4				HSSVMCB3	27	312300 J006	061	
062	SPIRE EvaporSwTemp(N) . V+		S3E.-	-	S237	041SS-38	4				HSSVMCB3	27	312300 J006	062	
051	SPIRE EvaporSwTemp(N) . V-		S3E.-	-	S237	041SS-38	4				HSSVMCB3	27	312300 J006	051	
039	SPIRE EvaporSwTemp(N) . SHD04		S3E.-	-	S237	041SS-38	4			CS-S237	HSSVMCB3	27	312300 J006	039	
-															
011	SPIRE ThermShuntTemp(N) . I+A		S3E.-	-	S238	041SS-38	5				HSSVMCB3	27	312300 J006	011	
010	SPIRE ThermShuntTemp(N) . I-B		S3E.-	-	S238	041SS-38	5				HSSVMCB3	27	312300 J006	010	
018	SPIRE ThermShuntTemp(N) . V-A		S3E.-	-	S238	041SS-38	5				HSSVMCB3	27	312300 J006	018	
019	SPIRE ThermShuntTemp(N) . V+B		S3E.-	-	S238	041SS-38	5				HSSVMCB3	27	312300 J006	019	
020	SPIRE ThermShuntTemp(N) . SHD05		S3E.-	-	S238	041SS-38	5			CS-S238	HSSVMCB3	27	312300 J006	020	
-															
006	SPIRE SorptPumpHtr(N) . I+A		S3F.-	-	S239	040B0-30					HSSVMCB3	27	312300 J006	006	
005	SPIRE SorptPumpHtr(N) . I-A		S3F.-	-	S239	040B0-30					HSSVMCB3	27	312300 J006	005	
013	SPIRE SorptPumpHtr(N) . I+B		S3F.-	-	S239	040B0-30					HSSVMCB3	27	312300 J006	013	
012	SPIRE SorptPumpHtr(N) . I-B		S3F.-	-	S239	040B0-30					HSSVMCB3	27	312300 J006	012	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P034

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	022	
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	033	
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	021	
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					HSSVMCB3	27	312300 J006	032	
-															
055	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	055	
056	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	056	
043	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	043	
044	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					HSSVMCB3	27	312300 J006	044	
-															
111	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	111	
112	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	112	
120	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	120	
128	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	6				HSSVMCB3	27	312300 J006	128	
121	SPIRE Spectr4%Temp (N) . SHD06		SCA.-	-	S242	041SS-38	6			CS-S242	HSSVMCB3	27	312300 J006	121	
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	091	
080	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	080	
092	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	092	
081	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	7				HSSVMCB3	27	312300 J006	081	
093	SPIRE Spectr2%Temp (N) . SHD07		SCA.-	-	S243	041SS-38	7			CS-S243	HSSVMCB3	27	312300 J006	093	
-															
114	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	114	
104	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	104	
113	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	113	
103	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	8				HSSVMCB3	27	312300 J006	103	
102	SPIRE SpStimFlanTemp(N) . SHD08		SCA.-	-	S244	041SS-38	8			CS-S244	HSSVMCB3	27	312300 J006	102	
-															
035	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	035	
024	SPIRE Spectr4%Heater (N) . I+B		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	024	
034	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	034	
023	SPIRE Spectr4%Heater (N) . I-B		SCB.-	-	S245	040B0-30					HSSVMCB3	27	312300 J006	023	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P034

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE Spectr2%Heater (N) . I+A		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	046	
058	SPIRE Spectr2%Heater (N) . I+B		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	058	
045	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	045	
057	SPIRE Spectr2%Heater (N) . I-B		SCB.-	-	S246	040B0-30					HSSVMCB3	27	312300 J006	057	
-															
089	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	089	
088	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	088	
100	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	100	
099	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	9				HSSVMCB3	27	312300 J006	099	
101	SPIRE FilterTemp(N) . SHD09		STA.-	-	S253	041SS-38	9		CS-S253		HSSVMCB3	27	312300 J006	101	
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	118	
119	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	119	
125	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	125	
126	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	10				HSSVMCB3	27	312300 J006	126	
110	SPIRE SpectDetBoxTemp(N) . SHD10		STA.-	-	S254	041SS-38	10		CS-S254		HSSVMCB3	27	312300 J006	110	
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	123	
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	124	
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	116	
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	11				HSSVMCB3	27	312300 J006	117	
108	SPIRE PhotomDetBoxTmp(N) . SHD11		STA.-	-	S255	041SS-38	11		CS-S255		HSSVMCB3	27	312300 J006	108	
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	106	
115	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	115	
107	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	107	
122	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	12				HSSVMCB3	27	312300 J006	122	
105	SPIRE OptSubbenchTmp(N) . SHD12		STA.-	-	S256	041SS-38	12		CS-S256		HSSVMCB3	27	312300 J006	105	
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	097	
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	098	
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	086	
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	13				HSSVMCB3	27	312300 J006	087	
109	SPIRE FPUInpBaffleTmp(N) . SHD13		STA.-	-	S257	041SS-38	13		CS-S257		HSSVMCB3	27	312300 J006	109	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P034**Function / Bundle:** UFThr. 318.1° / SIH-XS-10**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	073	
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	074	
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	085	
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	14				HSSVMCB3	27	312300 J006	084	
096	SPIRE BSM/SOB I/FTmp(N) . SHD14		STA.-	-	S258	041SS-38	14			CS-S258	HSSVMCB3	27	312300 J006	096	
-															
079	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	079	
078	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	078	
068	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	068	
067	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	15				HSSVMCB3	27	312300 J006	067	
090	SPIRE PTC Htr(N) . SHD15		STB.-	-	S259	041BS-30	15			CS-S259	HSSVMCB3	27	312300 J006	090	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															

Pin Allocation List
 (Harness)
SPIRE

Connector: 211121 P034
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-02

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SorptPumpTemp(N) . I+		S3E.-	-	S234	041SS-38	1				CVWUCR	33	211121 P034	029	
030	SPIRE SorptPumpTemp(N) . I-		S3E.-	-	S234	041SS-38	1				CVWUCR	33	211121 P034	030	
041	SPIRE SorptPumpTemp(N) . V+		S3E.-	-	S234	041SS-38	1				CVWUCR	33	211121 P034	041	
042	SPIRE SorptPumpTemp(N) . V-		S3E.-	-	S234	041SS-38	1				CVWUCR	33	211121 P034	042	
031	SPIRE SorptPumpTemp(N) . SHD01		S3E.-	-	S234	041SS-38	1			CS-S234	CVWUCR	33	211121 P034	031	
-															
077	SPIRE EvaporatorTemp(N) . I+		S3E.-	-	S235	041SS-38	2				CVWUCR	33	211121 P034	077	
076	SPIRE EvaporatorTemp(N) . I-		S3E.-	-	S235	041SS-38	2				CVWUCR	33	211121 P034	076	
066	SPIRE EvaporatorTemp(N) . V+		S3E.-	-	S235	041SS-38	2				CVWUCR	33	211121 P034	066	
065	SPIRE EvaporatorTemp(N) . V-		S3E.-	-	S235	041SS-38	2				CVWUCR	33	211121 P034	065	
054	SPIRE EvaporatorTemp(N) . SHD02		S3E.-	-	S235	041SS-38	2			CS-S235	CVWUCR	33	211121 P034	054	
-															
053	SPIRE SorptPumpSwTemp(N) . I+		S3E.-	-	S236	041SS-38	3				CVWUCR	33	211121 P034	053	
052	SPIRE SorptPumpSwTemp(N) . I-		S3E.-	-	S236	041SS-38	3				CVWUCR	33	211121 P034	052	
064	SPIRE SorptPumpSwTemp(N) . V+		S3E.-	-	S236	041SS-38	3				CVWUCR	33	211121 P034	064	
063	SPIRE SorptPumpSwTemp(N) . V-		S3E.-	-	S236	041SS-38	3				CVWUCR	33	211121 P034	063	
075	SPIRE SorptPumpSwTemp(N) . SHD03		S3E.-	-	S236	041SS-38	3			CS-S236	CVWUCR	33	211121 P034	075	
-															
050	SPIRE EvaporSwTemp(N) . I+		S3E.-	-	S237	041SS-38	4				CVWUCR	33	211121 P034	050	
061	SPIRE EvaporSwTemp(N) . I-		S3E.-	-	S237	041SS-38	4				CVWUCR	33	211121 P034	061	
062	SPIRE EvaporSwTemp(N) . V+		S3E.-	-	S237	041SS-38	4				CVWUCR	33	211121 P034	062	
051	SPIRE EvaporSwTemp(N) . V-		S3E.-	-	S237	041SS-38	4				CVWUCR	33	211121 P034	051	
039	SPIRE EvaporSwTemp(N) . SHD04		S3E.-	-	S237	041SS-38	4			CS-S237	CVWUCR	33	211121 P034	039	
-															
011	SPIRE ThermShuntTemp(N) . I+A		S3E.-	-	S238	041SS-38	5				CVWUCR	33	211121 P034	011	
010	SPIRE ThermShuntTemp(N) . I-B		S3E.-	-	S238	041SS-38	5				CVWUCR	33	211121 P034	010	
018	SPIRE ThermShuntTemp(N) . V-A		S3E.-	-	S238	041SS-38	5				CVWUCR	33	211121 P034	018	
019	SPIRE ThermShuntTemp(N) . V+B		S3E.-	-	S238	041SS-38	5				CVWUCR	33	211121 P034	019	
020	SPIRE ThermShuntTemp(N) . SHD05		S3E.-	-	S238	041SS-38	5			CS-S238	CVWUCR	33	211121 P034	020	
-															
006	SPIRE SorptPumpHtr(N) . I+A		S3F.-	-	S239	040B0-30					CVWUCR	33	211121 P034	006	
005	SPIRE SorptPumpHtr(N) . I-A		S3F.-	-	S239	040B0-30					CVWUCR	33	211121 P034	005	
013	SPIRE SorptPumpHtr(N) . I+B		S3F.-	-	S239	040B0-30					CVWUCR	33	211121 P034	013	
012	SPIRE SorptPumpHtr(N) . I-B		S3F.-	-	S239	040B0-30					CVWUCR	33	211121 P034	012	

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 J006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
022	SPIRE SorptPumpSwHtr(N) . I+A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	022	
033	SPIRE SorptPumpSwHtr(N) . I+B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	033	
021	SPIRE SorptPumpSwHtr(N) . I-A		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	021	
032	SPIRE SorptPumpSwHtr(N) . I-B		S3F.-	-	S240	040B0-30					CVVUCR	33	211121 P034	032	
-															
055	SPIRE EvaporSwHtr(N) . I+A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	055	
056	SPIRE EvaporSwHtr(N) . I+B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	056	
043	SPIRE EvaporSwHtr(N) . I-A		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	043	
044	SPIRE EvaporSwHtr(N) . I-B		S3F.-	-	S241	040B0-30					CVVUCR	33	211121 P034	044	
-															
111	SPIRE Spectr4%Temp (N) . I+		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	111	
112	SPIRE Spectr4%Temp (N) . I-		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	112	
120	SPIRE Spectr4%Temp (N) . V+		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	120	
128	SPIRE Spectr4%Temp (N) . V-		SCA.-	-	S242	041SS-38	6				CVVUCR	33	211121 P034	128	
121	SPIRE Spectr4%Temp (N) . SHD06		SCA.-	-	S242	041SS-38	6			CS-S242	CVVUCR	33	211121 P034	121	
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	091	
080	SPIRE Spectr2%Temp (N) . I-		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	080	
092	SPIRE Spectr2%Temp (N) . V+		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	092	
081	SPIRE Spectr2%Temp (N) . V-		SCA.-	-	S243	041SS-38	7				CVVUCR	33	211121 P034	081	
093	SPIRE Spectr2%Temp (N) . SHD07		SCA.-	-	S243	041SS-38	7			CS-S243	CVVUCR	33	211121 P034	093	
-															
114	SPIRE SpStimFlanTemp(N) . I+		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	114	
104	SPIRE SpStimFlanTemp(N) . I-		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	104	
113	SPIRE SpStimFlanTemp(N) . V+		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	113	
103	SPIRE SpStimFlanTemp(N) . V-		SCA.-	-	S244	041SS-38	8				CVVUCR	33	211121 P034	103	
102	SPIRE SpStimFlanTemp(N) . SHD08		SCA.-	-	S244	041SS-38	8			CS-S244	CVVUCR	33	211121 P034	102	
-															
035	SPIRE Spectr4%Heater (N) . I+A		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	035	
024	SPIRE Spectr4%Heater (N) . I+B		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	024	
034	SPIRE Spectr4%Heater (N) . I-A		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	034	
023	SPIRE Spectr4%Heater (N) . I-B		SCB.-	-	S245	040B0-30					CVVUCR	33	211121 P034	023	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE Spectr2%Heater (N) . I+A		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	046	
058	SPIRE Spectr2%Heater (N) . I+B		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	058	
045	SPIRE Spectr2%Heater (N) . I-A		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	045	
057	SPIRE Spectr2%Heater (N) . I-B		SCB.-	-	S246	040B0-30					CVVUCR	33	211121 P034	057	
-															
089	SPIRE FilterTemp(N) . I+		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	089	
088	SPIRE FilterTemp(N) . I-		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	088	
100	SPIRE FilterTemp(N) . V+		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	100	
099	SPIRE FilterTemp(N) . V-		STA.-	-	S253	041SS-38	9				CVVUCR	33	211121 P034	099	
101	SPIRE FilterTemp(N) . SHD09		STA.-	-	S253	041SS-38	9		CS-S253		CVVUCR	33	211121 P034	101	
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	118	
119	SPIRE SpectDetBoxTemp(N) . I-		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	119	
125	SPIRE SpectDetBoxTemp(N) . V+		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	125	
126	SPIRE SpectDetBoxTemp(N) . V-		STA.-	-	S254	041SS-38	10				CVVUCR	33	211121 P034	126	
110	SPIRE SpectDetBoxTemp(N) . SHD10		STA.-	-	S254	041SS-38	10		CS-S254		CVVUCR	33	211121 P034	110	
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	123	
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	124	
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	116	
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.-	-	S255	041SS-38	11				CVVUCR	33	211121 P034	117	
108	SPIRE PhotomDetBoxTmp(N) . SHD11		STA.-	-	S255	041SS-38	11		CS-S255		CVVUCR	33	211121 P034	108	
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	106	
115	SPIRE OptSubbenchTmp(N) . I-		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	115	
107	SPIRE OptSubbenchTmp(N) . V+		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	107	
122	SPIRE OptSubbenchTmp(N) . V-		STA.-	-	S256	041SS-38	12				CVVUCR	33	211121 P034	122	
105	SPIRE OptSubbenchTmp(N) . SHD12		STA.-	-	S256	041SS-38	12		CS-S256		CVVUCR	33	211121 P034	105	
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	097	
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	098	
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	086	
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.-	-	S257	041SS-38	13				CVVUCR	33	211121 P034	087	
109	SPIRE FPUInpBaffleTmp(N) . SHD13		STA.-	-	S257	041SS-38	13		CS-S257		CVVUCR	33	211121 P034	109	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	073	
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	074	
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	085	
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.-	-	S258	041SS-38	14				CVWUCR	33	211121 P034	084	
096	SPIRE BSM/SOB I/FTmp(N) . SHD14		STA.-	-	S258	041SS-38	14			CS-S258	CVWUCR	33	211121 P034	096	
-															
079	SPIRE PTC Htr(N) . I+A		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	079	
078	SPIRE PTC Htr(N) . I+B		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	078	
068	SPIRE PTC Htr(N) . I-A		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	068	
067	SPIRE PTC Htr(N) . I-B		STB.-	-	S259	041BS-30	15				CVWUCR	33	211121 P034	067	
090	SPIRE PTC Htr(N) . SHD15		STB.-	-	S259	041BS-30	15			CS-S259	CVWUCR	33	211121 P034	090	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															

Connector: 312300 J006	Function / Bundle: SPIRE SVM CB3 SIH-XS-10	Conn.-Type: 3401-04401B-03-24-35PN
Item: HSSVMCB3		Backshell: 440 FS 110 M 24 32

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P030**Function / Bundle:** UFThr. 283.0° / SIH-XS-11**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
051	SPIRE ChopSensor1&2(N) . 1		SBA.-	-	S041	021SS-38	1				HSSVMCB3	27	312300 J004	051	
040	SPIRE ChopSensor1&2(N) . 2		SBA.-	-	S041	021SS-38	1				HSSVMCB3	27	312300 J004	040	
039	SPIRE ChopSensor1&2(N) . SHD01		SBA.-	-	S041	021SS-38	1			CS-S041	HSSVMCB3	27	312300 J004	039	
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	028	
017	SPIRE ChopSensor3-5(N) . 4		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	017	
016	SPIRE ChopSensor3-5(N) . 5		SBB.-	-	S043	031BS-38	2				HSSVMCB3	27	312300 J004	016	
027	SPIRE ChopSensor3-5(N) . SHD02		SBB.-	-	S043	031BS-38	2			CS-S043	HSSVMCB3	27	312300 J004	027	
-															
049	SPIRE JiggleSensor1&2(N) . 1		SBA.-	-	S045	021SS-38	3				HSSVMCB3	27	312300 J004	049	
050	SPIRE JiggleSensor1&2(N) . 2		SBA.-	-	S045	021SS-38	3				HSSVMCB3	27	312300 J004	050	
038	SPIRE JiggleSensor1&2(N) . SHD03		SBA.-	-	S045	021SS-38	3			CS-S045	HSSVMCB3	27	312300 J004	038	
-															
015	SPIRE JiggleSensor3-5(N) . 3		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	015	
025	SPIRE JiggleSensor3-5(N) . 4		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	025	
037	SPIRE JiggleSensor3-5(N) . 5		SBB.-	-	S048	031BS-38	4				HSSVMCB3	27	312300 J004	037	
026	SPIRE JiggleSensor3-5(N) . SHD04		SBB.-	-	S048	031BS-38	4			CS-S048	HSSVMCB3	27	312300 J004	026	
-															
086	SPIRE BSMTemp(N) . I+		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	086	
087	SPIRE BSMTemp(N) . I-		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	087	
097	SPIRE BSMTemp(N) . V+		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	097	
098	SPIRE BSMTemp(N) . V-		SBC.-	-	S103	041SS-38	5				HSSVMCB3	27	312300 J004	098	
075	SPIRE BSMTemp(N) . SHD05		SBC.-	-	S103	041SS-38	5			CS-S103	HSSVMCB3	27	312300 J004	075	
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	048	
071	SPIRE P-Cal Htr(N) . I+B		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	071	
060	SPIRE P-Cal Htr(N) . I-A		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	060	
059	SPIRE P-Cal Htr(N) . I-B		SBD.-	-	S260	041BS-30	6				HSSVMCB3	27	312300 J004	059	
036	SPIRE P-Cal Htr(N) . SHD06		SBD.-	-	S260	041BS-30	6			CS-S260	HSSVMCB3	27	312300 J004	036	
-															
108	SPIRE BSMLchLtchConf(N) . 1		SBE.-	-	S261	021SS-38	7				HSSVMCB3	27	312300 J004	108	
116	SPIRE BSMLchLtchConf(N) . 2		SBE.-	-	S261	021SS-38	7				HSSVMCB3	27	312300 J004	116	
107	SPIRE BSMLchLtchConf(N) . SHD07		SBE.-	-	S261	021SS-38	7			CS-S261	HSSVMCB3	27	312300 J004	107	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P030

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
105	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	8				HSSVMCB3	27	312300 J004	105	
115	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	8				HSSVMCB3	27	312300 J004	115	
106	SPIRE BSMLatchDrive(N) . SHD08		SBF.-	-	S262	021BS-30	8		CS-S262		HSSVMCB3	27	312300 J004	106	
-															
072	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	072	
061	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	061	
062	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	062	
074	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	9				HSSVMCB3	27	312300 J004	074	
073	SPIRE ChopMotDrive(N) . SHD09		SBG.-	-	S263	041BS-30	9		CS-S263		HSSVMCB3	27	312300 J004	073	
-															
083	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	083	
095	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	095	
096	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	096	
085	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	10				HSSVMCB3	27	312300 J004	085	
084	SPIRE JiggleMotDrive(N) . SHD10		SBG.-	-	S264	041BS-30	10		CS-S264		HSSVMCB3	27	312300 J004	084	
-															
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.-	-	S265	021BS-30	11				HSSVMCB3	27	312300 J004	117	
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.-	-	S265	021BS-30	11				HSSVMCB3	27	312300 J004	118	
109	SPIRE SMECLLtch#1Conf(N) . SHD11		SME.-	-	S265	021BS-30	11		CS-S265		HSSVMCB3	27	312300 J004	109	
-															
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.-	-	S266	021BS-30	12				HSSVMCB3	27	312300 J004	111	
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.-	-	S266	021BS-30	12				HSSVMCB3	27	312300 J004	119	
110	SPIRE SMECLLtch#2Conf(N) . SHD12		SME.-	-	S266	021BS-30	12		CS-S266		HSSVMCB3	27	312300 J004	110	
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.-	-	S267	021BS-30	13				HSSVMCB3	27	312300 J004	067	
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.-	-	S267	021BS-30	13				HSSVMCB3	27	312300 J004	066	
078	SPIRE SMECLL#1Pwr1/A(N) . SHD13		SMF.-	-	S267	021BS-30	13		CS-S267		HSSVMCB3	27	312300 J004	078	
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.-	-	S268	021BS-30	14				HSSVMCB3	27	312300 J004	069	
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.-	-	S268	021BS-30	14				HSSVMCB3	27	312300 J004	068	
080	SPIRE SMECLL#1Pwr2/B(N) . SHD14		SMF.-	-	S268	021BS-30	14		CS-S268		HSSVMCB3	27	312300 J004	080	
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.-	-	S269	021BS-30	15				HSSVMCB3	27	312300 J004	090	
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.-	-	S269	021BS-30	15				HSSVMCB3	27	312300 J004	091	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P030
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
079	SPIRE SMECLL#2Pwr1/A(N) . SHD15		SMF.-	-	S269	021BS-30	15			CS-S269	HSSVMCB3	27	312300 J004	079	
-															
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.-	-	S270	021BS-30	16				HSSVMCB3	27	312300 J004	092	
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.-	-	S270	021BS-30	16				HSSVMCB3	27	312300 J004	093	
081	SPIRE SMECLL#2Pwr2/B(N) . SHD16		SMF.-	-	S270	021BS-30	16			CS-S270	HSSVMCB3	27	312300 J004	081	
-															
088	SPIRE SMECTemp(N) . I+		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	088	
089	SPIRE SMECTemp(N) . I-		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	089	
099	SPIRE SMECTemp(N) . V+		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	099	
100	SPIRE SMECTemp(N) . V-		SMC.-	-	S271	041SS-38	17				HSSVMCB3	27	312300 J004	100	
077	SPIRE SMECTemp(N) . SHD17		SMC.-	-	S271	041SS-38	17			CS-S271	HSSVMCB3	27	312300 J004	077	
-															
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	054	
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	053	
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	065	
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.-	-	S272	041SS-38	18				HSSVMCB3	27	312300 J004	064	
076	SPIRE SMEC/SOB I/FTmp(N) . SHD18		SMC.-	-	S272	041SS-38	18			CS-S272	HSSVMCB3	27	312300 J004	076	
-															
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30	19				HSSVMCB3	27	312300 J004	101	
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30	19				HSSVMCB3	27	312300 J004	102	
112	SPIRE SMECLVDTPriCIPw(N) . SHD19		SMA.-	-	S273	021BS-30	19			CS-S273	HSSVMCB3	27	312300 J004	112	
-															
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30	20				HSSVMCB3	27	312300 J004	127	
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30	20				HSSVMCB3	27	312300 J004	120	
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD20		SMB.-	-	S274	021BS-30	20			CS-S274	HSSVMCB3	27	312300 J004	128	
-															
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30	21				HSSVMCB3	27	312300 J004	114	
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30	21				HSSVMCB3	27	312300 J004	113	
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD21		SMB.-	-	S275	021BS-30	21			CS-S275	HSSVMCB3	27	312300 J004	121	
-															
012	SPIRE SMEC Drv Coil (N) . I+		SMD.-	-	S276	021BS-30	22				HSSVMCB3	27	312300 J004	012	
005	SPIRE SMEC Drv Coil (N) . I-		SMD.-	-	S276	021BS-30	22				HSSVMCB3	27	312300 J004	005	
013	SPIRE SMEC Drv Coil (N) . SHD22		SMD.-	-	S276	021BS-30	22			CS-S276	HSSVMCB3	27	312300 J004	013	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P030

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
022	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.-	-		S277	021BS-30	23				HSSVMCB3	27	312300 J004	022	
007	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.-	-		S277	021BS-30	23				HSSVMCB3	27	312300 J004	007	
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD23	SMD.-	-		S277	021BS-30	23		CS-S277		HSSVMCB3	27	312300 J004	013	
-															
014	SPIRE SMEC Drv Sense (N) . Sen+	SMG.-	-		S278	021BS-38	24				HSSVMCB3	27	312300 J004	014	
024	SPIRE SMEC Drv Sense (N) . Sen-	SMG.-	-		S278	021BS-38	24				HSSVMCB3	27	312300 J004	024	
023	SPIRE SMEC Drv Sense (N) . SHD24	SMG.-	-		S278	021BS-38	24		CS-S278		HSSVMCB3	27	312300 J004	023	
-															
009	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.-	-		S279	021BS-38	25				HSSVMCB3	27	312300 J004	009	
002	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.-	-		S279	021BS-38	25				HSSVMCB3	27	312300 J004	002	
003	SPIRE SMEC PosSeLEDpwr(N) . SHD25	SMH.-	-		S279	021BS-38	25		CS-S279		HSSVMCB3	27	312300 J004	003	
-															
011	SPIRE SMEC PosSensPwr(N) . S	SMH.-	-		S280	021BS-38	26				HSSVMCB3	27	312300 J004	011	
004	SPIRE SMEC PosSensPwr(N) . R	SMH.-	-		S280	021BS-38	26				HSSVMCB3	27	312300 J004	004	
010	SPIRE SMEC PosSensPwr(N) . SHD26	SMH.-	-		S280	021BS-38	26		CS-S280		HSSVMCB3	27	312300 J004	010	
-															
018	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.-	-		S281	021SS-38	27				HSSVMCB3	27	312300 J004	018	
019	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.-	-		S281	021SS-38	27				HSSVMCB3	27	312300 J004	019	
029	SPIRE SMEC PosPhDi#1(N) . SHD27	SMJ.-	-		S281	021SS-38	27		CS-S281		HSSVMCB3	27	312300 J004	029	
-															
056	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.-	-		S282	021SS-38	28				HSSVMCB3	27	312300 J004	056	
055	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.-	-		S282	021SS-38	28				HSSVMCB3	27	312300 J004	055	
044	SPIRE SMEC PosPhDi#1FB(N) . SHD28	SMK.-	-		S282	021SS-38	28		CS-S282		HSSVMCB3	27	312300 J004	044	
-															
042	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.-	-		S283	021SS-38	29				HSSVMCB3	27	312300 J004	042	
041	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.-	-		S283	021SS-38	29				HSSVMCB3	27	312300 J004	041	
030	SPIRE SMEC PosPhDi#2(N) . SHD29	SMJ.-	-		S283	021SS-38	29		CS-S283		HSSVMCB3	27	312300 J004	030	
-															
034	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.-	-		S284	021SS-38	30				HSSVMCB3	27	312300 J004	034	
033	SPIRE SMEC PosPhDi#2FB(N) . R	SMK.-	-		S284	021SS-38	30				HSSVMCB3	27	312300 J004	033	
045	SPIRE SMEC PosPhDi#2FB(N) . SHD30	SMK.-	-		S284	021SS-38	30		CS-S284		HSSVMCB3	27	312300 J004	045	
-															
020	SPIRE SMEC PosPhDi#3(N) . I+	SMJ.-	-		S285	021SS-38	31				HSSVMCB3	27	312300 J004	020	
021	SPIRE SMEC PosPhDi#3(N) . I-	SMJ.-	-		S285	021SS-38	31				HSSVMCB3	27	312300 J004	021	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P030**Function / Bundle:** UFThr. 283.0° / SIH-XS-11**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(N) . SHD31		SMJ.-	-	S285	021SS-38	31			CS-S285	HSSVMCB3	27	312300 J004	031	
-															
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	32				HSSVMCB3	27	312300 J004	058	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	32				HSSVMCB3	27	312300 J004	057	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD32		SMK.-	-	S286	021SS-38	32			CS-S286	HSSVMCB3	27	312300 J004	046	
-															
030	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
029	to be con to pin 030														
031	to be con to pin 030														
-															
038	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
026	to be con to pin 038			-											
027	to be con to pin 038			-											
039	to be con to pin 038			-											
-															
045	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
044	to be con to pin 045														
046	to be con to pin 045														
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															
080	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
078	to be con to pin 080														
079	to be con to pin 080														
081	to be con to pin 080														
-															
109	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
110	to be con to pin 109														
-															
112	Shield Interconnection Star Pin									Star Pin for Shield Intercon					

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 P030
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429

Backshell: G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	to be con to pin 112														
121	to be con to pin 112														
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
051	SPIRE ChopSensor1&2(N) . 1		SBA.-	-	S041	021SS-38	1				CVVUCR	33	211121 P030	051	
040	SPIRE ChopSensor1&2(N) . 2		SBA.-	-	S041	021SS-38	1				CVVUCR	33	211121 P030	040	
039	SPIRE ChopSensor1&2(N) . SHD01		SBA.-	-	S041	021SS-38	1			CS-S041	CVVUCR	33	211121 P030	039	
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	028	
017	SPIRE ChopSensor3-5(N) . 4		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	017	
016	SPIRE ChopSensor3-5(N) . 5		SBB.-	-	S043	031BS-38	2				CVVUCR	33	211121 P030	016	
027	SPIRE ChopSensor3-5(N) . SHD02		SBB.-	-	S043	031BS-38	2			CS-S043	CVVUCR	33	211121 P030	027	
-															
049	SPIRE JiggleSensor1&2(N) . 1		SBA.-	-	S045	021SS-38	3				CVVUCR	33	211121 P030	049	
050	SPIRE JiggleSensor1&2(N) . 2		SBA.-	-	S045	021SS-38	3				CVVUCR	33	211121 P030	050	
038	SPIRE JiggleSensor1&2(N) . SHD03		SBA.-	-	S045	021SS-38	3			CS-S045	CVVUCR	33	211121 P030	038	
-															
015	SPIRE JiggleSensor3-5(N) . 3		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	015	
025	SPIRE JiggleSensor3-5(N) . 4		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	025	
037	SPIRE JiggleSensor3-5(N) . 5		SBB.-	-	S048	031BS-38	4				CVVUCR	33	211121 P030	037	
026	SPIRE JiggleSensor3-5(N) . SHD04		SBB.-	-	S048	031BS-38	4			CS-S048	CVVUCR	33	211121 P030	026	
-															
086	SPIRE BSMTemp(N) . I+		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	086	
087	SPIRE BSMTemp(N) . I-		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	087	
097	SPIRE BSMTemp(N) . V+		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	097	
098	SPIRE BSMTemp(N) . V-		SBC.-	-	S103	041SS-38	5				CVVUCR	33	211121 P030	098	
075	SPIRE BSMTemp(N) . SHD05		SBC.-	-	S103	041SS-38	5			CS-S103	CVVUCR	33	211121 P030	075	
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	048	
071	SPIRE P-Cal Htr(N) . I+B		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	071	
060	SPIRE P-Cal Htr(N) . I-A		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	060	
059	SPIRE P-Cal Htr(N) . I-B		SBD.-	-	S260	041BS-30	6				CVVUCR	33	211121 P030	059	
036	SPIRE P-Cal Htr(N) . SHD06		SBD.-	-	S260	041BS-30	6			CS-S260	CVVUCR	33	211121 P030	036	
-															
108	SPIRE BSMLchLtchConf(N) . 1		SBE.-	-	S261	021SS-38	7				CVVUCR	33	211121 P030	108	
116	SPIRE BSMLchLtchConf(N) . 2		SBE.-	-	S261	021SS-38	7				CVVUCR	33	211121 P030	116	
107	SPIRE BSMLchLtchConf(N) . SHD07		SBE.-	-	S261	021SS-38	7			CS-S261	CVVUCR	33	211121 P030	107	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J004

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
105	SPIRE BSMLatchDrive(N) . SUP		SBF.-	-	S262	021BS-30	8				CVVUCR	33	211121 P030	105	
115	SPIRE BSMLatchDrive(N) . RTN		SBF.-	-	S262	021BS-30	8				CVVUCR	33	211121 P030	115	
106	SPIRE BSMLatchDrive(N) . SHD08		SBF.-	-	S262	021BS-30	8		CS-S262		CVVUCR	33	211121 P030	106	
-															
072	SPIRE ChopMotDrive(N) . 1		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	072	
061	SPIRE ChopMotDrive(N) . 2		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	061	
062	SPIRE ChopMotDrive(N) . 3		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	062	
074	SPIRE ChopMotDrive(N) . 4		SBG.-	-	S263	041BS-30	9				CVVUCR	33	211121 P030	074	
073	SPIRE ChopMotDrive(N) . SHD09		SBG.-	-	S263	041BS-30	9		CS-S263		CVVUCR	33	211121 P030	073	
-															
083	SPIRE JiggleMotDrive(N) . 1		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	083	
095	SPIRE JiggleMotDrive(N) . 2		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	095	
096	SPIRE JiggleMotDrive(N) . 3		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	096	
085	SPIRE JiggleMotDrive(N) . 4		SBG.-	-	S264	041BS-30	10				CVVUCR	33	211121 P030	085	
084	SPIRE JiggleMotDrive(N) . SHD10		SBG.-	-	S264	041BS-30	10		CS-S264		CVVUCR	33	211121 P030	084	
-															
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.-	-	S265	021BS-30	11				CVVUCR	33	211121 P030	117	
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.-	-	S265	021BS-30	11				CVVUCR	33	211121 P030	118	
109	SPIRE SMECLLtch#1Conf(N) . SHD11		SME.-	-	S265	021BS-30	11		CS-S265		CVVUCR	33	211121 P030	109	
-															
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.-	-	S266	021BS-30	12				CVVUCR	33	211121 P030	111	
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.-	-	S266	021BS-30	12				CVVUCR	33	211121 P030	119	
110	SPIRE SMECLLtch#2Conf(N) . SHD12		SME.-	-	S266	021BS-30	12		CS-S266		CVVUCR	33	211121 P030	110	
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.-	-	S267	021BS-30	13				CVVUCR	33	211121 P030	067	
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.-	-	S267	021BS-30	13				CVVUCR	33	211121 P030	066	
078	SPIRE SMECLL#1Pwr1/A(N) . SHD13		SMF.-	-	S267	021BS-30	13		CS-S267		CVVUCR	33	211121 P030	078	
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.-	-	S268	021BS-30	14				CVVUCR	33	211121 P030	069	
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.-	-	S268	021BS-30	14				CVVUCR	33	211121 P030	068	
080	SPIRE SMECLL#1Pwr2/B(N) . SHD14		SMF.-	-	S268	021BS-30	14		CS-S268		CVVUCR	33	211121 P030	080	
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.-	-	S269	021BS-30	15				CVVUCR	33	211121 P030	090	
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.-	-	S269	021BS-30	15				CVVUCR	33	211121 P030	091	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J004

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
079	SPIRE SMECLL#2Pwr1/A(N) . SHD15		SMF.-	-	S269	021BS-30	15			CS-S269	CVVUCR	33	211121 P030	079	
-															
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.-	-	S270	021BS-30	16				CVVUCR	33	211121 P030	092	
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.-	-	S270	021BS-30	16				CVVUCR	33	211121 P030	093	
081	SPIRE SMECLL#2Pwr2/B(N) . SHD16		SMF.-	-	S270	021BS-30	16			CS-S270	CVVUCR	33	211121 P030	081	
-															
088	SPIRE SMECTemp(N) . I+		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	088	
089	SPIRE SMECTemp(N) . I-		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	089	
099	SPIRE SMECTemp(N) . V+		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	099	
100	SPIRE SMECTemp(N) . V-		SMC.-	-	S271	041SS-38	17				CVVUCR	33	211121 P030	100	
077	SPIRE SMECTemp(N) . SHD17		SMC.-	-	S271	041SS-38	17			CS-S271	CVVUCR	33	211121 P030	077	
-															
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	054	
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	053	
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	065	
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.-	-	S272	041SS-38	18				CVVUCR	33	211121 P030	064	
076	SPIRE SMEC/SOB I/FTmp(N) . SHD18		SMC.-	-	S272	041SS-38	18			CS-S272	CVVUCR	33	211121 P030	076	
-															
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.-	-	S273	021BS-30	19				CVVUCR	33	211121 P030	101	
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.-	-	S273	021BS-30	19				CVVUCR	33	211121 P030	102	
112	SPIRE SMECLVDTPriCIPw(N) . SHD19		SMA.-	-	S273	021BS-30	19			CS-S273	CVVUCR	33	211121 P030	112	
-															
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.-	-	S274	021BS-30	20				CVVUCR	33	211121 P030	127	
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.-	-	S274	021BS-30	20				CVVUCR	33	211121 P030	120	
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD20		SMB.-	-	S274	021BS-30	20			CS-S274	CVVUCR	33	211121 P030	128	
-															
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.-	-	S275	021BS-30	21				CVVUCR	33	211121 P030	114	
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.-	-	S275	021BS-30	21				CVVUCR	33	211121 P030	113	
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD21		SMB.-	-	S275	021BS-30	21			CS-S275	CVVUCR	33	211121 P030	121	
-															
012	SPIRE SMEC Drv Coil (N) . I+		SMD.-	-	S276	021BS-30	22				CVVUCR	33	211121 P030	012	
005	SPIRE SMEC Drv Coil (N) . I-		SMD.-	-	S276	021BS-30	22				CVVUCR	33	211121 P030	005	
013	SPIRE SMEC Drv Coil (N) . SHD22		SMD.-	-	S276	021BS-30	22			CS-S276	CVVUCR	33	211121 P030	013	
-															

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 J004

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
022	SPIRE SMEC Drv Coil (Rob) (N) . I+		SMD.-	-	S277	021BS-30	23				CVVUCR	33	211121 P030	022	
007	SPIRE SMEC Drv Coil (Rob) (N) . I-		SMD.-	-	S277	021BS-30	23				CVVUCR	33	211121 P030	007	
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD23		SMD.-	-	S277	021BS-30	23			CS-S277	CVVUCR	33	211121 P030	013	
-															
014	SPIRE SMEC Drv Sense (N) . Sen+		SMG.-	-	S278	021BS-38	24				CVVUCR	33	211121 P030	014	
024	SPIRE SMEC Drv Sense (N) . Sen-		SMG.-	-	S278	021BS-38	24				CVVUCR	33	211121 P030	024	
023	SPIRE SMEC Drv Sense (N) . SHD24		SMG.-	-	S278	021BS-38	24			CS-S278	CVVUCR	33	211121 P030	023	
-															
009	SPIRE SMEC PosSeLEDpwr(N) . S		SMH.-	-	S279	021BS-38	25				CVVUCR	33	211121 P030	009	
002	SPIRE SMEC PosSeLEDpwr(N) . R		SMH.-	-	S279	021BS-38	25				CVVUCR	33	211121 P030	002	
003	SPIRE SMEC PosSeLEDpwr(N) . SHD25		SMH.-	-	S279	021BS-38	25			CS-S279	CVVUCR	33	211121 P030	003	
-															
011	SPIRE SMEC PosSensPwr(N) . S		SMH.-	-	S280	021BS-38	26				CVVUCR	33	211121 P030	011	
004	SPIRE SMEC PosSensPwr(N) . R		SMH.-	-	S280	021BS-38	26				CVVUCR	33	211121 P030	004	
010	SPIRE SMEC PosSensPwr(N) . SHD26		SMH.-	-	S280	021BS-38	26			CS-S280	CVVUCR	33	211121 P030	010	
-															
018	SPIRE SMEC PosPhDi#1(N) . I+		SMJ.-	-	S281	021SS-38	27				CVVUCR	33	211121 P030	018	
019	SPIRE SMEC PosPhDi#1(N) . I-		SMJ.-	-	S281	021SS-38	27				CVVUCR	33	211121 P030	019	
029	SPIRE SMEC PosPhDi#1(N) . SHD27		SMJ.-	-	S281	021SS-38	27			CS-S281	CVVUCR	33	211121 P030	029	
-															
056	SPIRE SMEC PosPhDi#1FB(N) . S		SMK.-	-	S282	021SS-38	28				CVVUCR	33	211121 P030	056	
055	SPIRE SMEC PosPhDi#1FB(N) . R		SMK.-	-	S282	021SS-38	28				CVVUCR	33	211121 P030	055	
044	SPIRE SMEC PosPhDi#1FB(N) . SHD28		SMK.-	-	S282	021SS-38	28			CS-S282	CVVUCR	33	211121 P030	044	
-															
042	SPIRE SMEC PosPhDi#2(N) . I+		SMJ.-	-	S283	021SS-38	29				CVVUCR	33	211121 P030	042	
041	SPIRE SMEC PosPhDi#2(N) . I-		SMJ.-	-	S283	021SS-38	29				CVVUCR	33	211121 P030	041	
030	SPIRE SMEC PosPhDi#2(N) . SHD29		SMJ.-	-	S283	021SS-38	29			CS-S283	CVVUCR	33	211121 P030	030	
-															
034	SPIRE SMEC PosPhDi#2FB(N) . S		SMK.-	-	S284	021SS-38	30				CVVUCR	33	211121 P030	034	
033	SPIRE SMEC PosPhDi#2FB(N) . R		SMK.-	-	S284	021SS-38	30				CVVUCR	33	211121 P030	033	
045	SPIRE SMEC PosPhDi#2FB(N) . SHD30		SMK.-	-	S284	021SS-38	30			CS-S284	CVVUCR	33	211121 P030	045	
-															
020	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.-	-	S285	021SS-38	31				CVVUCR	33	211121 P030	020	
021	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.-	-	S285	021SS-38	31				CVVUCR	33	211121 P030	021	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(N) . SHD31		SMJ.-	-	S285	021SS-38	31			CS-S285	CVVUCR	33	211121 P030	031	
-															
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.-	-	S286	021SS-38	32				CVVUCR	33	211121 P030	058	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.-	-	S286	021SS-38	32				CVVUCR	33	211121 P030	057	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD32		SMK.-	-	S286	021SS-38	32			CS-S286	CVVUCR	33	211121 P030	046	
-															
030	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
029	to be con to pin 030														
031	to be con to pin 030														
-															
045	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
044	to be con to pin 045														
046	to be con to pin 045														
-															
038	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S
026	to be con to pin 038			-											2S
027	to be con to pin 038			-											
039	to be con to pin 038			-											
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															
080	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
078	to be con to pin 080														
079	to be con to pin 080														
081	to be con to pin 080														
-															
109	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
110	to be con to pin 109														
-															
112	Shield Interconnection Star Pin									Star Pin for Shield Intercon					

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
121	to be con to pin 112														
128	to be con to pin 112														
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P033**Function / Bundle:** UFThr. 311.9° / SIH-XS-12**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SorptPumpTemp(R) . I+		S3E.-	-	S287	041SS-38	1				HSSVMCB3	27	312300 J005	029	
030	SPIRE SorptPumpTemp(R) . I-		S3E.-	-	S287	041SS-38	1				HSSVMCB3	27	312300 J005	030	
041	SPIRE SorptPumpTemp(R) . V+		S3E.-	-	S287	041SS-38	1				HSSVMCB3	27	312300 J005	041	
042	SPIRE SorptPumpTemp(R) . V-		S3E.-	-	S287	041SS-38	1				HSSVMCB3	27	312300 J005	042	
031	SPIRE SorptPumpTemp(R) . SHD01		S3E.-	-	S287	041SS-38	1			CS-S287	HSSVMCB3	27	312300 J005	031	
-															
077	SPIRE EvaporatorTemp(R) . I+		S3E.-	-	S288	041SS-38	2				HSSVMCB3	27	312300 J005	077	
076	SPIRE EvaporatorTemp(R) . I-		S3E.-	-	S288	041SS-38	2				HSSVMCB3	27	312300 J005	076	
066	SPIRE EvaporatorTemp(R) . V+		S3E.-	-	S288	041SS-38	2				HSSVMCB3	27	312300 J005	066	
065	SPIRE EvaporatorTemp(R) . V-		S3E.-	-	S288	041SS-38	2				HSSVMCB3	27	312300 J005	065	
054	SPIRE EvaporatorTemp(R) . SHD02		S3E.-	-	S288	041SS-38	2			CS-S288	HSSVMCB3	27	312300 J005	054	
-															
053	SPIRE SorptPumpSwTemp(R) . I+		S3E.-	-	S289	041SS-38	3				HSSVMCB3	27	312300 J005	053	
052	SPIRE SorptPumpSwTemp(R) . I-		S3E.-	-	S289	041SS-38	3				HSSVMCB3	27	312300 J005	052	
064	SPIRE SorptPumpSwTemp(R) . V+		S3E.-	-	S289	041SS-38	3				HSSVMCB3	27	312300 J005	064	
063	SPIRE SorptPumpSwTemp(R) . V-		S3E.-	-	S289	041SS-38	3				HSSVMCB3	27	312300 J005	063	
075	SPIRE SorptPumpSwTemp(R) . SHD03		S3E.-	-	S289	041SS-38	3			CS-S289	HSSVMCB3	27	312300 J005	075	
-															
050	SPIRE EvaporSwTemp(R) . I+		S3E.-	-	S290	041SS-38	4				HSSVMCB3	27	312300 J005	050	
061	SPIRE EvaporSwTemp(R) . I-		S3E.-	-	S290	041SS-38	4				HSSVMCB3	27	312300 J005	061	
062	SPIRE EvaporSwTemp(R) . V+		S3E.-	-	S290	041SS-38	4				HSSVMCB3	27	312300 J005	062	
051	SPIRE EvaporSwTemp(R) . V-		S3E.-	-	S290	041SS-38	4				HSSVMCB3	27	312300 J005	051	
039	SPIRE EvaporSwTemp(R) . SHD04		S3E.-	-	S290	041SS-38	4			CS-S290	HSSVMCB3	27	312300 J005	039	
-															
011	SPIRE ThermShuntTemp(R) . I+A		S3E.-	-	S291	041SS-38	5				HSSVMCB3	27	312300 J005	011	
010	SPIRE ThermShuntTemp(R) . I-B		S3E.-	-	S291	041SS-38	5				HSSVMCB3	27	312300 J005	010	
019	SPIRE ThermShuntTemp(R) . V+B		S3E.-	-	S291	041SS-38	5				HSSVMCB3	27	312300 J005	019	
018	SPIRE ThermShuntTemp(R) . V-A		S3E.-	-	S291	041SS-38	5				HSSVMCB3	27	312300 J005	018	
020	SPIRE ThermShuntTemp(R) . SHD05		S3E.-	-	S291	041SS-38	5			CS-S291	HSSVMCB3	27	312300 J005	020	
-															
006	SPIRE SorptPumpHtr(R) . I+A		S3F.-	-	S292	040B0-30					HSSVMCB3	27	312300 J005	006	
005	SPIRE SorptPumpHtr(R) . I-A		S3F.-	-	S292	040B0-30					HSSVMCB3	27	312300 J005	005	
013	SPIRE SorptPumpHtr(R) . I+B		S3F.-	-	S292	040B0-30					HSSVMCB3	27	312300 J005	013	
012	SPIRE SorptPumpHtr(R) . I-B		S3F.-	-	S292	040B0-30					HSSVMCB3	27	312300 J005	012	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P033**Function / Bundle:** UFThr. 311.9° / SIH-XS-12**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	022	
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	021	
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	033	
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					HSSVMCB3	27	312300 J005	032	
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	055	
043	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	043	
056	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	056	
044	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					HSSVMCB3	27	312300 J005	044	
-															
111	SPIRE Spectr4%Temp (R) . I+		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	111	
112	SPIRE Spectr4%Temp (R) . I-		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	112	
120	SPIRE Spectr4%Temp (R) . V+		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	120	
128	SPIRE Spectr4%Temp (R) . V-		SCA.-	-	S295	041SS-38	6				HSSVMCB3	27	312300 J005	128	
121	SPIRE Spectr4%Temp (R) . SHD06		SCA.-	-	S295	041SS-38	6		CS-S295		HSSVMCB3	27	312300 J005	121	
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	091	
080	SPIRE Spectr2%Temp (R) . I-		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	080	
092	SPIRE Spectr2%Temp (R) . V+		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	092	
081	SPIRE Spectr2%Temp (R) . V-		SCA.-	-	S296	041SS-38	7				HSSVMCB3	27	312300 J005	081	
093	SPIRE Spectr2%Temp (R) . SHD07		SCA.-	-	S296	041SS-38	7		CS-S296		HSSVMCB3	27	312300 J005	093	
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	114	
104	SPIRE SpStimFlanTemp(R) . I-		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	104	
113	SPIRE SpStimFlanTemp(R) . V+		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	113	
103	SPIRE SpStimFlanTemp(R) . V-		SCA.-	-	S297	041SS-38	8				HSSVMCB3	27	312300 J005	103	
102	SPIRE SpStimFlanTemp(R) . SHD08		SCA.-	-	S297	041SS-38	8		CS-S297		HSSVMCB3	27	312300 J005	102	
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	035	
034	SPIRE Spectr4%Heater (R) . I-A		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	034	
024	SPIRE Spectr4%Heater (R) . I+B		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	024	
023	SPIRE Spectr4%Heater (R) . I-B		SCB.-	-	S298	040B0-30					HSSVMCB3	27	312300 J005	023	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P033**Function / Bundle:** UFThr. 311.9° / SIH-XS-12**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE Spectr2%Heater (R) . I+A		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	046	
045	SPIRE Spectr2%Heater (R) . I-A		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	045	
058	SPIRE Spectr2%Heater (R) . I+B		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	058	
057	SPIRE Spectr2%Heater (R) . I-B		SCB.-	-	S299	040B0-30					HSSVMCB3	27	312300 J005	057	
-															
089	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	089	
088	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	088	
100	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	100	
099	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	9				HSSVMCB3	27	312300 J005	099	
101	SPIRE FilterTemp(R) . SHD09		STA.-	-	S306	041SS-38	9		CS-S306		HSSVMCB3	27	312300 J005	101	
-															
118	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	118	
119	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	119	
125	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	125	
126	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	10				HSSVMCB3	27	312300 J005	126	
110	SPIRE SpectDetBoxTemp(R) . SHD10		STA.-	-	S307	041SS-38	10		CS-S307		HSSVMCB3	27	312300 J005	110	
-															
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	123	
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	124	
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	116	
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	11				HSSVMCB3	27	312300 J005	117	
108	SPIRE PhotomDetBoxTmp(R) . SHD11		STA.-	-	S308	041SS-38	11		CS-S308		HSSVMCB3	27	312300 J005	108	
-															
106	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	106	
115	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	115	
107	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	107	
122	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	12				HSSVMCB3	27	312300 J005	122	
105	SPIRE OptSubbenchTmp(R) . SHD12		STA.-	-	S309	041SS-38	12		CS-S309		HSSVMCB3	27	312300 J005	105	
-															
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	097	
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	098	
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	086	
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	13				HSSVMCB3	27	312300 J005	087	
109	SPIRE FPUInpBaffleTmp(R) . SHD13		STA.-	-	S310	041SS-38	13		CS-S310		HSSVMCB3	27	312300 J005	109	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P033**Function / Bundle:** UFThr. 311.9° / SIH-XS-12**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	073	
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	084	
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	074	
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	14				HSSVMCB3	27	312300 J005	085	
096	SPIRE BSM/SOB I/FTmp(R) . SHD14		STA.-	-	S311	041SS-38	14			CS-S311	HSSVMCB3	27	312300 J005	096	
-															
079	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	079	
078	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	078	
068	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	068	
067	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	15				HSSVMCB3	27	312300 J005	067	
090	SPIRE PTC Htr(R) . SHD15		STB.-	-	S312	041BS-30	15			CS-S312	HSSVMCB3	27	312300 J005	090	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															

Pin Allocation List (Harness) SPIRE

Project: **HERSCHEL**

Connector: 211121 P033
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-02

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

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SorptPumpTemp(R) . I+		S3E.-	-	S287	041SS-38	1				CVWUCR	33	211121 P033	029	
030	SPIRE SorptPumpTemp(R) . I-		S3E.-	-	S287	041SS-38	1				CVWUCR	33	211121 P033	030	
041	SPIRE SorptPumpTemp(R) . V+		S3E.-	-	S287	041SS-38	1				CVWUCR	33	211121 P033	041	
042	SPIRE SorptPumpTemp(R) . V-		S3E.-	-	S287	041SS-38	1				CVWUCR	33	211121 P033	042	
031	SPIRE SorptPumpTemp(R) . SHD01		S3E.-	-	S287	041SS-38	1			CS-S287	CVWUCR	33	211121 P033	031	
-															
077	SPIRE EvaporatorTemp(R) . I+		S3E.-	-	S288	041SS-38	2				CVWUCR	33	211121 P033	077	
076	SPIRE EvaporatorTemp(R) . I-		S3E.-	-	S288	041SS-38	2				CVWUCR	33	211121 P033	076	
066	SPIRE EvaporatorTemp(R) . V+		S3E.-	-	S288	041SS-38	2				CVWUCR	33	211121 P033	066	
065	SPIRE EvaporatorTemp(R) . V-		S3E.-	-	S288	041SS-38	2				CVWUCR	33	211121 P033	065	
054	SPIRE EvaporatorTemp(R) . SHD02		S3E.-	-	S288	041SS-38	2			CS-S288	CVWUCR	33	211121 P033	054	
-															
053	SPIRE SorptPumpSwTemp(R) . I+		S3E.-	-	S289	041SS-38	3				CVWUCR	33	211121 P033	053	
052	SPIRE SorptPumpSwTemp(R) . I-		S3E.-	-	S289	041SS-38	3				CVWUCR	33	211121 P033	052	
064	SPIRE SorptPumpSwTemp(R) . V+		S3E.-	-	S289	041SS-38	3				CVWUCR	33	211121 P033	064	
063	SPIRE SorptPumpSwTemp(R) . V-		S3E.-	-	S289	041SS-38	3				CVWUCR	33	211121 P033	063	
075	SPIRE SorptPumpSwTemp(R) . SHD03		S3E.-	-	S289	041SS-38	3			CS-S289	CVWUCR	33	211121 P033	075	
-															
050	SPIRE EvaporSwTemp(R) . I+		S3E.-	-	S290	041SS-38	4				CVWUCR	33	211121 P033	050	
061	SPIRE EvaporSwTemp(R) . I-		S3E.-	-	S290	041SS-38	4				CVWUCR	33	211121 P033	061	
062	SPIRE EvaporSwTemp(R) . V+		S3E.-	-	S290	041SS-38	4				CVWUCR	33	211121 P033	062	
051	SPIRE EvaporSwTemp(R) . V-		S3E.-	-	S290	041SS-38	4				CVWUCR	33	211121 P033	051	
039	SPIRE EvaporSwTemp(R) . SHD04		S3E.-	-	S290	041SS-38	4			CS-S290	CVWUCR	33	211121 P033	039	
-															
011	SPIRE ThermShuntTemp(R) . I+A		S3E.-	-	S291	041SS-38	5				CVWUCR	33	211121 P033	011	
010	SPIRE ThermShuntTemp(R) . I-B		S3E.-	-	S291	041SS-38	5				CVWUCR	33	211121 P033	010	
019	SPIRE ThermShuntTemp(R) . V+B		S3E.-	-	S291	041SS-38	5				CVWUCR	33	211121 P033	019	
018	SPIRE ThermShuntTemp(R) . V-A		S3E.-	-	S291	041SS-38	5				CVWUCR	33	211121 P033	018	
020	SPIRE ThermShuntTemp(R) . SHD05		S3E.-	-	S291	041SS-38	5			CS-S291	CVWUCR	33	211121 P033	020	
-															
006	SPIRE SorptPumpHtr(R) . I+A		S3F.-	-	S292	040B0-30					CVWUCR	33	211121 P033	006	
005	SPIRE SorptPumpHtr(R) . I-A		S3F.-	-	S292	040B0-30					CVWUCR	33	211121 P033	005	
013	SPIRE SorptPumpHtr(R) . I+B		S3F.-	-	S292	040B0-30					CVWUCR	33	211121 P033	013	
012	SPIRE SorptPumpHtr(R) . I-B		S3F.-	-	S292	040B0-30					CVWUCR	33	211121 P033	012	

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 J005**Function / Bundle:** SPIRE SVM CB3 SIH-XS-12**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	022	
021	SPIRE SorptPumpSwHtr(R) . I-A		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	021	
033	SPIRE SorptPumpSwHtr(R) . I+B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	033	
032	SPIRE SorptPumpSwHtr(R) . I-B		S3F.-	-	S293	040B0-30					CVVUCR	33	211121 P033	032	
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	055	
043	SPIRE EvaporSwHtr(R) . I-A		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	043	
056	SPIRE EvaporSwHtr(R) . I+B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	056	
044	SPIRE EvaporSwHtr(R) . I-B		S3F.-	-	S294	040B0-30					CVVUCR	33	211121 P033	044	
-															
111	SPIRE Spectr4%Temp (R) . I+		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	111	
112	SPIRE Spectr4%Temp (R) . I-		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	112	
120	SPIRE Spectr4%Temp (R) . V+		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	120	
128	SPIRE Spectr4%Temp (R) . V-		SCA.-	-	S295	041SS-38	6				CVVUCR	33	211121 P033	128	
121	SPIRE Spectr4%Temp (R) . SHD06		SCA.-	-	S295	041SS-38	6		CS-S295		CVVUCR	33	211121 P033	121	
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	091	
080	SPIRE Spectr2%Temp (R) . I-		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	080	
092	SPIRE Spectr2%Temp (R) . V+		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	092	
081	SPIRE Spectr2%Temp (R) . V-		SCA.-	-	S296	041SS-38	7				CVVUCR	33	211121 P033	081	
093	SPIRE Spectr2%Temp (R) . SHD07		SCA.-	-	S296	041SS-38	7		CS-S296		CVVUCR	33	211121 P033	093	
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	114	
104	SPIRE SpStimFlanTemp(R) . I-		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	104	
113	SPIRE SpStimFlanTemp(R) . V+		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	113	
103	SPIRE SpStimFlanTemp(R) . V-		SCA.-	-	S297	041SS-38	8				CVVUCR	33	211121 P033	103	
102	SPIRE SpStimFlanTemp(R) . SHD08		SCA.-	-	S297	041SS-38	8		CS-S297		CVVUCR	33	211121 P033	102	
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	035	
034	SPIRE Spectr4%Heater (R) . I-A		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	034	
024	SPIRE Spectr4%Heater (R) . I+B		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	024	
023	SPIRE Spectr4%Heater (R) . I-B		SCB.-	-	S298	040B0-30					CVVUCR	33	211121 P033	023	
-															

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 J005**Function / Bundle:** SPIRE SVM CB3 SIH-XS-12**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE Spectr2%Heater (R) . I+A		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	046	
045	SPIRE Spectr2%Heater (R) . I-A		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	045	
058	SPIRE Spectr2%Heater (R) . I+B		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	058	
057	SPIRE Spectr2%Heater (R) . I-B		SCB.-	-	S299	040B0-30					CVVUCR	33	211121 P033	057	
-															
089	SPIRE FilterTemp(R) . I+		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	089	
088	SPIRE FilterTemp(R) . I-		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	088	
100	SPIRE FilterTemp(R) . V+		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	100	
099	SPIRE FilterTemp(R) . V-		STA.-	-	S306	041SS-38	9				CVVUCR	33	211121 P033	099	
101	SPIRE FilterTemp(R) . SHD09		STA.-	-	S306	041SS-38	9		CS-S306		CVVUCR	33	211121 P033	101	
-															
118	SPIRE SpectDetBoxTemp(R) . I+		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	118	
119	SPIRE SpectDetBoxTemp(R) . I-		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	119	
125	SPIRE SpectDetBoxTemp(R) . V+		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	125	
126	SPIRE SpectDetBoxTemp(R) . V-		STA.-	-	S307	041SS-38	10				CVVUCR	33	211121 P033	126	
110	SPIRE SpectDetBoxTemp(R) . SHD10		STA.-	-	S307	041SS-38	10		CS-S307		CVVUCR	33	211121 P033	110	
-															
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	123	
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	124	
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	116	
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.-	-	S308	041SS-38	11				CVVUCR	33	211121 P033	117	
108	SPIRE PhotomDetBoxTmp(R) . SHD11		STA.-	-	S308	041SS-38	11		CS-S308		CVVUCR	33	211121 P033	108	
-															
106	SPIRE OptSubbenchTmp(R) . I+		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	106	
115	SPIRE OptSubbenchTmp(R) . I-		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	115	
107	SPIRE OptSubbenchTmp(R) . V+		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	107	
122	SPIRE OptSubbenchTmp(R) . V-		STA.-	-	S309	041SS-38	12				CVVUCR	33	211121 P033	122	
105	SPIRE OptSubbenchTmp(R) . SHD12		STA.-	-	S309	041SS-38	12		CS-S309		CVVUCR	33	211121 P033	105	
-															
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	097	
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	098	
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	086	
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.-	-	S310	041SS-38	13				CVVUCR	33	211121 P033	087	
109	SPIRE FPUInpBaffleTmp(R) . SHD13		STA.-	-	S310	041SS-38	13		CS-S310		CVVUCR	33	211121 P033	109	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J005**Function / Bundle:** SPIRE SVM CB3 SIH-XS-12**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 32

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	073	
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	084	
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	074	
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.-	-	S311	041SS-38	14				CVWUCR	33	211121 P033	085	
096	SPIRE BSM/SOB I/FTmp(R) . SHD14		STA.-	-	S311	041SS-38	14			CS-S311	CVWUCR	33	211121 P033	096	
-															
079	SPIRE PTC Htr(R) . I+A		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	079	
078	SPIRE PTC Htr(R) . I+B		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	078	
068	SPIRE PTC Htr(R) . I-A		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	068	
067	SPIRE PTC Htr(R) . I-B		STB.-	-	S312	041BS-30	15				CVWUCR	33	211121 P033	067	
090	SPIRE PTC Htr(R) . SHD15		STB.-	-	S312	041BS-30	15			CS-S312	CVWUCR	33	211121 P033	090	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															

Pin Allocation List
 (Harness)
SPIRE

Connector: 312300 J005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-03-24-35PN
Backshell: 440 FS 110 M 24 32

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

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P029

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
051	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	1				HSSVMCB3	27	312300 J003	051	
040	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	1				HSSVMCB3	27	312300 J003	040	
039	SPIRE ChopSensor1&2(R) . SHD01		SBA.-	-	S313	021SS-38	1		CS-S313		HSSVMCB3	27	312300 J003	039	
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	028	
017	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	017	
016	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	2				HSSVMCB3	27	312300 J003	016	
027	SPIRE ChopSensor3-5(R) . SHD02		SBB.-	-	S314	031BS-38	2		CS-S314		HSSVMCB3	27	312300 J003	027	
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	3				HSSVMCB3	27	312300 J003	049	
050	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	3				HSSVMCB3	27	312300 J003	050	
038	SPIRE JiggleSensor1&2(R) . SHD03		SBA.-	-	S315	021SS-38	3		CS-S315		HSSVMCB3	27	312300 J003	038	
-															
015	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	015	
025	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	025	
037	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	4				HSSVMCB3	27	312300 J003	037	
026	SPIRE JiggleSensor3-5(R) . SHD04		SBB.-	-	S316	031BS-38	4		CS-S316		HSSVMCB3	27	312300 J003	026	
-															
086	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	086	
087	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	087	
097	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	097	
098	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	5				HSSVMCB3	27	312300 J003	098	
075	SPIRE BSMTemp(R) . SHD05		SBC.-	-	S317	041SS-38	5		CS-S317		HSSVMCB3	27	312300 J003	075	
-															
048	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	048	
071	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	071	
060	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	060	
059	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	6				HSSVMCB3	27	312300 J003	059	
036	SPIRE P-Cal Htr (R) . SHD06		SBD.-	-	S318	041BS-30	6		CS-S318		HSSVMCB3	27	312300 J003	036	
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	7				HSSVMCB3	27	312300 J003	108	
116	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	7				HSSVMCB3	27	312300 J003	116	
107	SPIRE BSMLchLtchConf(R) . SHD07		SBE.-	-	S319	021SS-38	7		CS-S319		HSSVMCB3	27	312300 J003	107	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P029

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
105	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	8				HSSVMCB3	27	312300 J003	105	
115	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	8				HSSVMCB3	27	312300 J003	115	
106	SPIRE BSMLatchDrive(R) . SHD08		SBF.-	-	S320	021BS-30	8		CS-S320		HSSVMCB3	27	312300 J003	106	
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	072	
061	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	061	
062	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	062	
074	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	9				HSSVMCB3	27	312300 J003	074	
073	SPIRE ChopMotDrive(R) . SHD09		SBG.-	-	S321	041BS-30	9		CS-S321		HSSVMCB3	27	312300 J003	073	
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	083	
095	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	095	
096	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	096	
085	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	10				HSSVMCB3	27	312300 J003	085	
084	SPIRE JiggleMotDrive(R) . SHD10		SBG.-	-	S322	041BS-30	10		CS-S322		HSSVMCB3	27	312300 J003	084	
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	11				HSSVMCB3	27	312300 J003	117	
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	11				HSSVMCB3	27	312300 J003	118	
109	SPIRE SMECLLtch#1Conf(R) . SHD11		SME.-	-	S323	021BS-30	11		CS-S323		HSSVMCB3	27	312300 J003	109	
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	12				HSSVMCB3	27	312300 J003	111	
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	12				HSSVMCB3	27	312300 J003	119	
110	SPIRE SMECLLtch#2Conf(R) . SHD12		SME.-	-	S324	021BS-30	12		CS-S324		HSSVMCB3	27	312300 J003	110	
-															
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	13				HSSVMCB3	27	312300 J003	067	
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	13				HSSVMCB3	27	312300 J003	066	
078	SPIRE SMECLL#1Pwr1/A(R) . SHD13		SMF.-	-	S325	021BS-30	13		CS-S325		HSSVMCB3	27	312300 J003	078	
-															
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	14				HSSVMCB3	27	312300 J003	069	
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	14				HSSVMCB3	27	312300 J003	068	
080	SPIRE SMECLL#1Pwr2/B(R) . SHD14		SMF.-	-	S326	021BS-30	14		CS-S326		HSSVMCB3	27	312300 J003	080	
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	15				HSSVMCB3	27	312300 J003	090	
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	15				HSSVMCB3	27	312300 J003	091	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P029

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
079	SPIRE SMECLL#2Pwr1/A(R) . SHD15		SMF.-	-	S327	021BS-30	15			CS-S327	HSSVMCB3	27	312300 J003	079	
-															
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	16				HSSVMCB3	27	312300 J003	092	
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	16				HSSVMCB3	27	312300 J003	093	
081	SPIRE SMECLL#2Pwr2/B(R) . SHD16		SMF.-	-	S328	021BS-30	16			CS-S328	HSSVMCB3	27	312300 J003	081	
-															
088	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	088	
089	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	089	
099	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	099	
100	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	17				HSSVMCB3	27	312300 J003	100	
077	SPIRE SMECTemp(R) . SHD17		SMC.-	-	S329	041SS-38	17			CS-S329	HSSVMCB3	27	312300 J003	077	
-															
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	054	
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	053	
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	065	
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	18				HSSVMCB3	27	312300 J003	064	
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD18		SMC.-	-	S330	041SS-38	18			CS-S330	HSSVMCB3	27	312300 J003	076	
-															
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	19				HSSVMCB3	27	312300 J003	101	
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	19				HSSVMCB3	27	312300 J003	102	
112	SPIRE SMECLVDTPriCIPw(R) . SHD19		SMA.-	-	S331	021BS-30	19			CS-S331	HSSVMCB3	27	312300 J003	112	
-															
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	20				HSSVMCB3	27	312300 J003	127	
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	20				HSSVMCB3	27	312300 J003	120	
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD20		SMB.-	-	S332	021BS-30	20			CS-S332	HSSVMCB3	27	312300 J003	128	
-															
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	21				HSSVMCB3	27	312300 J003	114	
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	21				HSSVMCB3	27	312300 J003	113	
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD21		SMB.-	-	S333	021BS-30	21			CS-S333	HSSVMCB3	27	312300 J003	121	
-															
012	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	22				HSSVMCB3	27	312300 J003	012	
005	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	22				HSSVMCB3	27	312300 J003	005	
013	SPIRE SMEC Drv Coil (R) . SHD22		SMD.-	-	S334	021BS-30	22			CS-S334	HSSVMCB3	27	312300 J003	013	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P029

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

Conn.-Type: 197-012P-24-35SN-429

Item: CVVUCR

Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
022	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.-	-	S335	021BS-30	23				HSSVMCB3	27	312300 J003	022	
007	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.-	-	S335	021BS-30	23				HSSVMCB3	27	312300 J003	007	
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD23		SMD.-	-	S335	021BS-30	23		CS-S335		HSSVMCB3	27	312300 J003	013	
-															
014	SPIRE SMEC Drv Sense (R) . Sen+		SMG.-	-	S336	021BS-38	24				HSSVMCB3	27	312300 J003	014	
024	SPIRE SMEC Drv Sense (R) . Sen-		SMG.-	-	S336	021BS-38	24				HSSVMCB3	27	312300 J003	024	
023	SPIRE SMEC Drv Sense (R) . SHD24		SMG.-	-	S336	021BS-38	24		CS-S336		HSSVMCB3	27	312300 J003	023	
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.-	-	S337	021BS-38	25				HSSVMCB3	27	312300 J003	009	
002	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.-	-	S337	021BS-38	25				HSSVMCB3	27	312300 J003	002	
003	SPIRE SMEC PosSeLEDpwr(R) . SHD25		SMH.-	-	S337	021BS-38	25		CS-S337		HSSVMCB3	27	312300 J003	003	
-															
011	SPIRE SMEC PosSensPwr(R) . S		SMH.-	-	S338	021BS-38	26				HSSVMCB3	27	312300 J003	011	
004	SPIRE SMEC PosSensPwr(R) . R		SMH.-	-	S338	021BS-38	26				HSSVMCB3	27	312300 J003	004	
010	SPIRE SMEC PosSensPwr(R) . SHD26		SMH.-	-	S338	021BS-38	26		CS-S338		HSSVMCB3	27	312300 J003	010	
-															
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.-	-	S339	021SS-38	27				HSSVMCB3	27	312300 J003	018	
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.-	-	S339	021SS-38	27				HSSVMCB3	27	312300 J003	019	
029	SPIRE SMEC PosPhDi#1(R) . SHD27		SMJ.-	-	S339	021SS-38	27		CS-S339		HSSVMCB3	27	312300 J003	029	
-															
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.-	-	S340	021SS-38	28				HSSVMCB3	27	312300 J003	056	
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.-	-	S340	021SS-38	28				HSSVMCB3	27	312300 J003	055	
044	SPIRE SMEC PosPhDi#1FB(R) . SHD28		SMK.-	-	S340	021SS-38	28		CS-S340		HSSVMCB3	27	312300 J003	044	
-															
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.-	-	S341	021SS-38	29				HSSVMCB3	27	312300 J003	042	
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.-	-	S341	021SS-38	29				HSSVMCB3	27	312300 J003	041	
030	SPIRE SMEC PosPhDi#2(R) . SHD29		SMJ.-	-	S341	021SS-38	29		CS-S341		HSSVMCB3	27	312300 J003	030	
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.-	-	S342	021SS-38	30				HSSVMCB3	27	312300 J003	034	
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.-	-	S342	021SS-38	30				HSSVMCB3	27	312300 J003	033	
045	SPIRE SMEC PosPhDi#2FB(R) . SHD30		SMK.-	-	S342	021SS-38	30		CS-S342		HSSVMCB3	27	312300 J003	045	
-															
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.-	-	S343	021SS-38	31				HSSVMCB3	27	312300 J003	020	
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.-	-	S343	021SS-38	31				HSSVMCB3	27	312300 J003	021	

Pin Allocation List

(Harness)
SPIRE

Connector: 211121 P029**Function / Bundle:** UFThr 276.8° / SIH-XS-13**Conn.-Type:** 197-012P-24-35SN-429**Item:** CVVUCR**Backshell:** G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(R) . SHD31		SMJ.-	-	S343	021SS-38	31			CS-S343	HSSVMCB3	27	312300 J003	031	
-															
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	32				HSSVMCB3	27	312300 J003	058	
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	32				HSSVMCB3	27	312300 J003	057	
046	SPIRE SMEC PosPhDi#3FB(R) . SHD32		SMK.-	-	S344	021SS-38	32			CS-S344	HSSVMCB3	27	312300 J003	046	
-															
030	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
029	to be con to pin 030														
031	to be con to pin 030														
-															
038	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
026	to be con to pin 038														
027	to be con to pin 038			-											
039	to be con to pin 038			-											
-															
045	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
044	to be con to pin 045														
046	to be con to pin 045														
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															
080	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
078	to be con to pin 080														
079	to be con to pin 080														
081	to be con to pin 080														
-															
109	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
110	to be con to pin 109														
-															
112	Shield Interconnection Star Pin									Star Pin for Shield Intercon					

Pin Allocation List (Harness) **SPIRE**

Connector: 211121 P029
Item: CVVUCR

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

Conn.-Type: 197-012P-24-35SN-429
Backshell: G9254 F24 M / M24-03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
121	to be con to pin 112														
128	to be con to pin 112														
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)
SPIRE

Project: **HERSCHEL**

Connector: 312300 J003

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
051	SPIRE ChopSensor1&2(R) . 1		SBA.-	-	S313	021SS-38	1				CVWUCR	33	211121 P029	051	
040	SPIRE ChopSensor1&2(R) . 2		SBA.-	-	S313	021SS-38	1				CVWUCR	33	211121 P029	040	
039	SPIRE ChopSensor1&2(R) . SHD01		SBA.-	-	S313	021SS-38	1		CS-S313		CVWUCR	33	211121 P029	039	
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.-	-	S314	031BS-38	2				CVWUCR	33	211121 P029	028	
017	SPIRE ChopSensor3-5(R) . 4		SBB.-	-	S314	031BS-38	2				CVWUCR	33	211121 P029	017	
016	SPIRE ChopSensor3-5(R) . 5		SBB.-	-	S314	031BS-38	2				CVWUCR	33	211121 P029	016	
027	SPIRE ChopSensor3-5(R) . SHD02		SBB.-	-	S314	031BS-38	2		CS-S314		CVWUCR	33	211121 P029	027	
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.-	-	S315	021SS-38	3				CVWUCR	33	211121 P029	049	
050	SPIRE JiggleSensor1&2(R) . 2		SBA.-	-	S315	021SS-38	3				CVWUCR	33	211121 P029	050	
038	SPIRE JiggleSensor1&2(R) . SHD03		SBA.-	-	S315	021SS-38	3		CS-S315		CVWUCR	33	211121 P029	038	
-															
015	SPIRE JiggleSensor3-5(R) . 3		SBB.-	-	S316	031BS-38	4				CVWUCR	33	211121 P029	015	
025	SPIRE JiggleSensor3-5(R) . 4		SBB.-	-	S316	031BS-38	4				CVWUCR	33	211121 P029	025	
037	SPIRE JiggleSensor3-5(R) . 5		SBB.-	-	S316	031BS-38	4				CVWUCR	33	211121 P029	037	
026	SPIRE JiggleSensor3-5(R) . SHD04		SBB.-	-	S316	031BS-38	4		CS-S316		CVWUCR	33	211121 P029	026	
-															
086	SPIRE BSMTemp(R) . I+		SBC.-	-	S317	041SS-38	5				CVWUCR	33	211121 P029	086	
087	SPIRE BSMTemp(R) . I-		SBC.-	-	S317	041SS-38	5				CVWUCR	33	211121 P029	087	
097	SPIRE BSMTemp(R) . V+		SBC.-	-	S317	041SS-38	5				CVWUCR	33	211121 P029	097	
098	SPIRE BSMTemp(R) . V-		SBC.-	-	S317	041SS-38	5				CVWUCR	33	211121 P029	098	
075	SPIRE BSMTemp(R) . SHD05		SBC.-	-	S317	041SS-38	5		CS-S317		CVWUCR	33	211121 P029	075	
-															
048	SPIRE P-Cal Htr (R) . I+A		SBD.-	-	S318	041BS-30	6				CVWUCR	33	211121 P029	048	
071	SPIRE P-Cal Htr (R) . I+B		SBD.-	-	S318	041BS-30	6				CVWUCR	33	211121 P029	071	
060	SPIRE P-Cal Htr (R) . I-A		SBD.-	-	S318	041BS-30	6				CVWUCR	33	211121 P029	060	
059	SPIRE P-Cal Htr (R) . I-B		SBD.-	-	S318	041BS-30	6				CVWUCR	33	211121 P029	059	
036	SPIRE P-Cal Htr (R) . SHD06		SBD.-	-	S318	041BS-30	6		CS-S318		CVWUCR	33	211121 P029	036	
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.-	-	S319	021SS-38	7				CVWUCR	33	211121 P029	108	
116	SPIRE BSMLchLtchConf(R) . 2		SBE.-	-	S319	021SS-38	7				CVWUCR	33	211121 P029	116	
107	SPIRE BSMLchLtchConf(R) . SHD07		SBE.-	-	S319	021SS-38	7		CS-S319		CVWUCR	33	211121 P029	107	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J003

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
105	SPIRE BSMLatchDrive(R) . SUP		SBF.-	-	S320	021BS-30	8				CVVUCR	33	211121 P029	105	
115	SPIRE BSMLatchDrive(R) . RTN		SBF.-	-	S320	021BS-30	8				CVVUCR	33	211121 P029	115	
106	SPIRE BSMLatchDrive(R) . SHD08		SBF.-	-	S320	021BS-30	8		CS-S320		CVVUCR	33	211121 P029	106	
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	072	
061	SPIRE ChopMotDrive(R) . 2		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	061	
062	SPIRE ChopMotDrive(R) . 3		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	062	
074	SPIRE ChopMotDrive(R) . 4		SBG.-	-	S321	041BS-30	9				CVVUCR	33	211121 P029	074	
073	SPIRE ChopMotDrive(R) . SHD09		SBG.-	-	S321	041BS-30	9		CS-S321		CVVUCR	33	211121 P029	073	
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	083	
095	SPIRE JiggleMotDrive(R) . 2		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	095	
096	SPIRE JiggleMotDrive(R) . 3		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	096	
085	SPIRE JiggleMotDrive(R) . 4		SBG.-	-	S322	041BS-30	10				CVVUCR	33	211121 P029	085	
084	SPIRE JiggleMotDrive(R) . SHD10		SBG.-	-	S322	041BS-30	10		CS-S322		CVVUCR	33	211121 P029	084	
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.-	-	S323	021BS-30	11				CVVUCR	33	211121 P029	117	
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.-	-	S323	021BS-30	11				CVVUCR	33	211121 P029	118	
109	SPIRE SMECLLtch#1Conf(R) . SHD11		SME.-	-	S323	021BS-30	11		CS-S323		CVVUCR	33	211121 P029	109	
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.-	-	S324	021BS-30	12				CVVUCR	33	211121 P029	111	
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.-	-	S324	021BS-30	12				CVVUCR	33	211121 P029	119	
110	SPIRE SMECLLtch#2Conf(R) . SHD12		SME.-	-	S324	021BS-30	12		CS-S324		CVVUCR	33	211121 P029	110	
-															
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.-	-	S325	021BS-30	13				CVVUCR	33	211121 P029	067	
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.-	-	S325	021BS-30	13				CVVUCR	33	211121 P029	066	
078	SPIRE SMECLL#1Pwr1/A(R) . SHD13		SMF.-	-	S325	021BS-30	13		CS-S325		CVVUCR	33	211121 P029	078	
-															
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.-	-	S326	021BS-30	14				CVVUCR	33	211121 P029	069	
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.-	-	S326	021BS-30	14				CVVUCR	33	211121 P029	068	
080	SPIRE SMECLL#1Pwr2/B(R) . SHD14		SMF.-	-	S326	021BS-30	14		CS-S326		CVVUCR	33	211121 P029	080	
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.-	-	S327	021BS-30	15				CVVUCR	33	211121 P029	090	
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.-	-	S327	021BS-30	15				CVVUCR	33	211121 P029	091	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J003

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: 3401-04401B-03-24-35PN

Item: HSSVMCB3

Backshell: 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
079	SPIRE SMECLL#2Pwr1/A(R) . SHD15		SMF.-	-	S327	021BS-30	15			CS-S327	CVVUCR	33	211121 P029	079	
-															
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.-	-	S328	021BS-30	16				CVVUCR	33	211121 P029	092	
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.-	-	S328	021BS-30	16				CVVUCR	33	211121 P029	093	
081	SPIRE SMECLL#2Pwr2/B(R) . SHD16		SMF.-	-	S328	021BS-30	16			CS-S328	CVVUCR	33	211121 P029	081	
-															
088	SPIRE SMECTemp(R) . I+		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	088	
089	SPIRE SMECTemp(R) . I-		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	089	
099	SPIRE SMECTemp(R) . V+		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	099	
100	SPIRE SMECTemp(R) . V-		SMC.-	-	S329	041SS-38	17				CVVUCR	33	211121 P029	100	
077	SPIRE SMECTemp(R) . SHD17		SMC.-	-	S329	041SS-38	17			CS-S329	CVVUCR	33	211121 P029	077	
-															
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	054	
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	053	
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	065	
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.-	-	S330	041SS-38	18				CVVUCR	33	211121 P029	064	
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD18		SMC.-	-	S330	041SS-38	18			CS-S330	CVVUCR	33	211121 P029	076	
-															
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.-	-	S331	021BS-30	19				CVVUCR	33	211121 P029	101	
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.-	-	S331	021BS-30	19				CVVUCR	33	211121 P029	102	
112	SPIRE SMECLVDTPriCIPw(R) . SHD19		SMA.-	-	S331	021BS-30	19			CS-S331	CVVUCR	33	211121 P029	112	
-															
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.-	-	S332	021BS-30	20				CVVUCR	33	211121 P029	127	
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.-	-	S332	021BS-30	20				CVVUCR	33	211121 P029	120	
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD20		SMB.-	-	S332	021BS-30	20			CS-S332	CVVUCR	33	211121 P029	128	
-															
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.-	-	S333	021BS-30	21				CVVUCR	33	211121 P029	114	
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.-	-	S333	021BS-30	21				CVVUCR	33	211121 P029	113	
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD21		SMB.-	-	S333	021BS-30	21			CS-S333	CVVUCR	33	211121 P029	121	
-															
012	SPIRE SMEC Drv Coil (R) . I+		SMD.-	-	S334	021BS-30	22				CVVUCR	33	211121 P029	012	
005	SPIRE SMEC Drv Coil (R) . I-		SMD.-	-	S334	021BS-30	22				CVVUCR	33	211121 P029	005	
013	SPIRE SMEC Drv Coil (R) . SHD22		SMD.-	-	S334	021BS-30	22			CS-S334	CVVUCR	33	211121 P029	013	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
022	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.-	-	S335	021BS-30	23				CVVUCR	33	211121 P029	022	
007	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.-	-	S335	021BS-30	23				CVVUCR	33	211121 P029	007	
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD23		SMD.-	-	S335	021BS-30	23			CS-S335	CVVUCR	33	211121 P029	013	
-															
014	SPIRE SMEC Drv Sense (R) . Sen+		SMG.-	-	S336	021BS-38	24				CVVUCR	33	211121 P029	014	
024	SPIRE SMEC Drv Sense (R) . Sen-		SMG.-	-	S336	021BS-38	24				CVVUCR	33	211121 P029	024	
023	SPIRE SMEC Drv Sense (R) . SHD24		SMG.-	-	S336	021BS-38	24			CS-S336	CVVUCR	33	211121 P029	023	
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.-	-	S337	021BS-38	25				CVVUCR	33	211121 P029	009	
002	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.-	-	S337	021BS-38	25				CVVUCR	33	211121 P029	002	
003	SPIRE SMEC PosSeLEDpwr(R) . SHD25		SMH.-	-	S337	021BS-38	25			CS-S337	CVVUCR	33	211121 P029	003	
-															
011	SPIRE SMEC PosSensPwr(R) . S		SMH.-	-	S338	021BS-38	26				CVVUCR	33	211121 P029	011	
004	SPIRE SMEC PosSensPwr(R) . R		SMH.-	-	S338	021BS-38	26				CVVUCR	33	211121 P029	004	
010	SPIRE SMEC PosSensPwr(R) . SHD26		SMH.-	-	S338	021BS-38	26			CS-S338	CVVUCR	33	211121 P029	010	
-															
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.-	-	S339	021SS-38	27				CVVUCR	33	211121 P029	018	
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.-	-	S339	021SS-38	27				CVVUCR	33	211121 P029	019	
029	SPIRE SMEC PosPhDi#1(R) . SHD27		SMJ.-	-	S339	021SS-38	27			CS-S339	CVVUCR	33	211121 P029	029	
-															
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.-	-	S340	021SS-38	28				CVVUCR	33	211121 P029	056	
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.-	-	S340	021SS-38	28				CVVUCR	33	211121 P029	055	
044	SPIRE SMEC PosPhDi#1FB(R) . SHD28		SMK.-	-	S340	021SS-38	28			CS-S340	CVVUCR	33	211121 P029	044	
-															
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.-	-	S341	021SS-38	29				CVVUCR	33	211121 P029	042	
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.-	-	S341	021SS-38	29				CVVUCR	33	211121 P029	041	
030	SPIRE SMEC PosPhDi#2(R) . SHD29		SMJ.-	-	S341	021SS-38	29			CS-S341	CVVUCR	33	211121 P029	030	
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.-	-	S342	021SS-38	30				CVVUCR	33	211121 P029	034	
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.-	-	S342	021SS-38	30				CVVUCR	33	211121 P029	033	
045	SPIRE SMEC PosPhDi#2FB(R) . SHD30		SMK.-	-	S342	021SS-38	30			CS-S342	CVVUCR	33	211121 P029	045	
-															
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.-	-	S343	021SS-38	31				CVVUCR	33	211121 P029	020	
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.-	-	S343	021SS-38	31				CVVUCR	33	211121 P029	021	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
031	SPIRE SMEC PosPhDi#3(R) . SHD31		SMJ.-	-	S343	021SS-38	31			CS-S343	CVVUCR	33	211121 P029	031	
-															
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.-	-	S344	021SS-38	32				CVVUCR	33	211121 P029	058	
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.-	-	S344	021SS-38	32				CVVUCR	33	211121 P029	057	
046	SPIRE SMEC PosPhDi#3FB(R) . SHD32		SMK.-	-	S344	021SS-38	32			CS-S344	CVVUCR	33	211121 P029	046	
-															
030	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
029	to be con to pin 030														
031	to be con to pin 030														
-															
038	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
039	to be con to pin 038			-											
027	to be con to pin 038			-											
026	to be con to pin 038														
-															
045	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
044	to be con to pin 045														
046	to be con to pin 045														
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															
080	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
078	to be con to pin 080														
079	to be con to pin 080														
081	to be con to pin 080														
-															
109	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
110	to be con to pin 109														
-															
112	Shield Interconnection Star Pin									Star Pin for Shield Intercon					

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 J003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-03-24-35PN**Item:** HSSVMCB3**Backshell:** 440 FS 110 M 24 03

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
121	to be con to pin 112														
128	to be con to pin 112														
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)									Insulation required between IOS and OOS					
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE SLW Ch01-04 . 1+		SSB.S -		S001	TS2CC-28	1	001-1		HSDCU	17	122300 P027	020		
037	SPIRE SLW Ch01-04 . 1-		SSB.S -		S001	TS2CC-28	1	001-1		HSDCU	17	122300 P027	002		
115	SPIRE SLW Ch01-04 . SHD01		SSB.S -		S001	TS2CC-28	1	001-1	CS-S001-1	HSDCU	17	122300 P027	001		
-															
038	SPIRE SLW Ch01-04 . 2+		SSB.S -		S001	TS2CC-28	2	001-2		HSDCU	17	122300 P027	003		
049	SPIRE SLW Ch01-04 . 2-		SSB.S -		S001	TS2CC-28	2	001-2		HSDCU	17	122300 P027	022		
115	SPIRE SLW Ch01-04 . SHD02		SSB.S -		S001	TS2CC-28	2	001-2	CS-S001-2	HSDCU	17	122300 P027	021		
-															
048	SPIRE SLW Ch01-04 . 3+		SSB.S -		S001	TS2CC-28	3	001-3		HSDCU	17	122300 P027	023		
060	SPIRE SLW Ch01-04 . 3-		SSB.S -		S001	TS2CC-28	3	001-3		HSDCU	17	122300 P027	005		
115	SPIRE SLW Ch01-04 . SHD03		SSB.S -		S001	TS2CC-28	3	001-3	CS-S001-3	HSDCU	17	122300 P027	004		
-															
059	SPIRE SLW Ch01-04 . 4+		SSB.S -		S001	TS2CC-28	4	001-4		HSDCU	17	122300 P027	006		
071	SPIRE SLW Ch01-04 . 4-		SSB.S -		S001	TS2CC-28	4	001-4		HSDCU	17	122300 P027	025		
115	SPIRE SLW Ch01-04 . SHD04		SSB.S -		S001	TS2CC-28	4	001-4	CS-S001-4	HSDCU	17	122300 P027	024		
-															
050	SPIRE SLW Ch05-08 . 5+		SSB.S -		S002	TS2CC-28	5	002-1		HSDCU	17	122300 P027	026		
061	SPIRE SLW Ch05-08 . 5-		SSB.S -		S002	TS2CC-28	5	002-1		HSDCU	17	122300 P027	008		
115	SPIRE SLW Ch05-08 . SHD05		SSB.S -		S002	TS2CC-28	5	002-1	CS-S002-1	HSDCU	17	122300 P027	007		
-															
062	SPIRE SLW Ch05-08 . 6+		SSB.S -		S002	TS2CC-28	6	002-2		HSDCU	17	122300 P027	009		
051	SPIRE SLW Ch05-08 . 6-		SSB.S -		S002	TS2CC-28	6	002-2		HSDCU	17	122300 P027	028		
115	SPIRE SLW Ch05-08 . SHD06		SSB.S -		S002	TS2CC-28	6	002-2	CS-S002-2	HSDCU	17	122300 P027	027		
-															
063	SPIRE SLW Ch05-08 . 7+		SSB.S -		S002	TS2CC-28	7	002-3		HSDCU	17	122300 P027	011		
075	SPIRE SLW Ch05-08 . 7-		SSB.S -		S002	TS2CC-28	7	002-3		HSDCU	17	122300 P027	029		
115	SPIRE SLW Ch05-08 . SHD07		SSB.S -		S002	TS2CC-28	7	002-3	CS-S002-3	HSDCU	17	122300 P027	030		
-															
074	SPIRE SLW Ch05-08 . 8+		SSB.S -		S002	TS2CC-28	8	002-4		HSDCU	17	122300 P027	031		
073	SPIRE SLW Ch05-08 . 8-		SSB.S -		S002	TS2CC-28	8	002-4		HSDCU	17	122300 P027	012		
115	SPIRE SLW Ch05-08 . SHD08		SSB.S -		S002	TS2CC-28	8	002-4	CS-S002-4	HSDCU	17	122300 P027	013		
-															
083	SPIRE SLW Ch09-12 . 9+		SSB.S -		S003	TS2CC-28	9	003-1		HSDCU	17	122300 P027	014		
072	SPIRE SLW Ch09-12 . 9-		SSB.S -		S003	TS2CC-28	9	003-1		HSDCU	17	122300 P027	032		

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
115	SPIRE SLW Ch09-12 . SHD09		SSB.S -		S003	TS2CC-28	9	003-1		CS-S003-1	HSDCU	17	122300 P027	033	
-															
095	SPIRE SLW Ch09-12 . 10+		SSB.S -		S003	TS2CC-28	10	003-2			HSDCU	17	122300 P027	034	
084	SPIRE SLW Ch09-12 . 10-		SSB.S -		S003	TS2CC-28	10	003-2			HSDCU	17	122300 P027	015	
115	SPIRE SLW Ch09-12 . SHD10		SSB.S -		S003	TS2CC-28	10	003-2		CS-S003-2	HSDCU	17	122300 P027	016	
-															
096	SPIRE SLW Ch09-12 . 11+		SSB.S -		S003	TS2CC-28	11	003-3			HSDCU	17	122300 P027	017	
085	SPIRE SLW Ch09-12 . 11-		SSB.S -		S003	TS2CC-28	11	003-3			HSDCU	17	122300 P027	035	
115	SPIRE SLW Ch09-12 . SHD11		SSB.S -		S003	TS2CC-28	11	003-3		CS-S003-3	HSDCU	17	122300 P027	036	
-															
106	SPIRE SLW Ch09-12 . 12+		SSB.S -		S003	TS2CC-28	12	003-4			HSDCU	17	122300 P027	037	
107	SPIRE SLW Ch09-12 . 12-		SSB.S -		S003	TS2CC-28	12	003-4			HSDCU	17	122300 P027	018	
115	SPIRE SLW Ch09-12 . SHD12		SSB.S -		S003	TS2CC-28	12	003-4		CS-S003-4	HSDCU	17	122300 P027	019	
-															
122	SPIRE SLW GND Wire A2		SSX.S -		S402	T01C0-26					HSDCU	17	122300 P028	010	
-															
086	SPIRE SLW Ch13-16 . 13+		SSB.S -		S004	TS2CC-28	13	004-1			HSDCU	17	122300 P028	020	
087	SPIRE SLW Ch13-16 . 13-		SSB.S -		S004	TS2CC-28	13	004-1			HSDCU	17	122300 P028	002	
122	SPIRE SLW Ch13-16 . SHD13		SSB.S -		S004	TS2CC-28	13	004-1		CS-S004-1	HSDCU	17	122300 P028	001	
-															
097	SPIRE SLW Ch13-16 . 14+		SSB.S -		S004	TS2CC-28	14	004-2			HSDCU	17	122300 P028	003	
098	SPIRE SLW Ch13-16 . 14-		SSB.S -		S004	TS2CC-28	14	004-2			HSDCU	17	122300 P028	022	
122	SPIRE SLW Ch13-16 . SHD14		SSB.S -		S004	TS2CC-28	14	004-2		CS-S004-2	HSDCU	17	122300 P028	021	
-															
108	SPIRE SLW Ch13-16 . 15+		SSB.S -		S004	TS2CC-28	15	004-3			HSDCU	17	122300 P028	023	
109	SPIRE SLW Ch13-16 . 15-		SSB.S -		S004	TS2CC-28	15	004-3			HSDCU	17	122300 P028	005	
122	SPIRE SLW Ch13-16 . SHD15		SSB.S -		S004	TS2CC-28	15	004-3		CS-S004-3	HSDCU	17	122300 P028	004	
-															
116	SPIRE SLW Ch13-16 . 16+		SSB.S -		S004	TS2CC-28	16	004-4			HSDCU	17	122300 P028	006	
117	SPIRE SLW Ch13-16 . 16-		SSB.S -		S004	TS2CC-28	16	004-4			HSDCU	17	122300 P028	025	
122	SPIRE SLW Ch13-16 . SHD16		SSB.S -		S004	TS2CC-28	16	004-4		CS-S004-4	HSDCU	17	122300 P028	024	
-															
055	SPIRE SLW Ch17-20 . 17+		SSB.S -		S005	TS2CC-28	17	005-1			HSDCU	17	122300 P028	026	
066	SPIRE SLW Ch17-20 . 17-		SSB.S -		S005	TS2CC-28	17	005-1			HSDCU	17	122300 P028	008	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
122	SPIRE SLW Ch17-20 . SHD17		SSB.S -		S005	TS2CC-28	17	005-1		CS-S005-1	HSDCU	17	122300 P028	007	
-															
067	SPIRE SLW Ch17-20 . 18+		SSB.S -		S005	TS2CC-28	18	005-2			HSDCU	17	122300 P028	009	
078	SPIRE SLW Ch17-20 . 18-		SSB.S -		S005	TS2CC-28	18	005-2			HSDCU	17	122300 P028	028	
122	SPIRE SLW Ch17-20 . SHD18		SSB.S -		S005	TS2CC-28	18	005-2		CS-S005-2	HSDCU	17	122300 P028	027	
-															
076	SPIRE SLW Ch17-20 . 19+		SSB.S -		S005	TS2CC-28	19	005-3			HSDCU	17	122300 P028	011	
077	SPIRE SLW Ch17-20 . 19-		SSB.S -		S005	TS2CC-28	19	005-3			HSDCU	17	122300 P028	029	
122	SPIRE SLW Ch17-20 . SHD19		SSB.S -		S005	TS2CC-28	19	005-3		CS-S005-3	HSDCU	17	122300 P028	030	
-															
088	SPIRE SLW Ch17-20 . 20+		SSB.S -		S005	TS2CC-28	20	005-4			HSDCU	17	122300 P028	031	
089	SPIRE SLW Ch17-20 . 20-		SSB.S -		S005	TS2CC-28	20	005-4			HSDCU	17	122300 P028	012	
122	SPIRE SLW Ch17-20 . SHD20		SSB.S -		S005	TS2CC-28	20	005-4		CS-S005-4	HSDCU	17	122300 P028	013	
-															
099	SPIRE SLW Ch21-24 . 21+		SSB.S -		S006	TS2CC-28	21	006-1			HSDCU	17	122300 P028	014	
100	SPIRE SLW Ch21-24 . 21-		SSB.S -		S006	TS2CC-28	21	006-1			HSDCU	17	122300 P028	032	
122	SPIRE SLW Ch21-24 . SHD21		SSB.S -		S006	TS2CC-28	21	006-1		CS-S006-1	HSDCU	17	122300 P028	033	
-															
110	SPIRE SLW Ch21-24 . 22+		SSB.S -		S006	TS2CC-28	22	006-2			HSDCU	17	122300 P028	034	
111	SPIRE SLW Ch21-24 . 22-		SSB.S -		S006	TS2CC-28	22	006-2			HSDCU	17	122300 P028	015	
122	SPIRE SLW Ch21-24 . SHD22		SSB.S -		S006	TS2CC-28	22	006-2		CS-S006-2	HSDCU	17	122300 P028	016	
-															
118	SPIRE SLW Ch21-24 . 23+		SSB.S -		S006	TS2CC-28	23	006-3			HSDCU	17	122300 P028	017	
119	SPIRE SLW Ch21-24 . 23-		SSB.S -		S006	TS2CC-28	23	006-3			HSDCU	17	122300 P028	035	
122	SPIRE SLW Ch21-24 . SHD23		SSB.S -		S006	TS2CC-28	23	006-3		CS-S006-3	HSDCU	17	122300 P028	036	
-															
112	SPIRE SLW Ch21-24 . 24+		SSB.S -		S006	TS2CC-28	24	006-4			HSDCU	17	122300 P028	037	
120	SPIRE SLW Ch21-24 . 24-		SSB.S -		S006	TS2CC-28	24	006-4			HSDCU	17	122300 P028	018	
122	SPIRE SLW Ch21-24 . SHD24		SSB.S -		S006	TS2CC-28	24	006-4		CS-S006-4	HSDCU	17	122300 P028	019	
-															
007	SPIRE PTC TC Bias A . +ve		S3A.S -		S009	TS2CC-28	25				HSDCU	17	122300 P031	001	
014	SPIRE PTC TC Bias A . -ve		S3A.S -		S009	TS2CC-28	25				HSDCU	17	122300 P031	020	
046	SPIRE PTC TC Bias A . SHD25		S3A.S -		S009	TS2CC-28	25			CS-S009	HSDCU	17	122300 P031	002	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE PTC GND WIRE A3 . GNDA3		SSX.S -		S403	T01C0-26					HSDCU	17	122300 P031	002	
-															
024	SPIRE PTC JFETV Bias A . +ve		S3C.S -		S010	TS2CC-28	26				HSDCU	17	122300 P031	021	
035	SPIRE PTC JFETV Bias A . -ve		S3C.S -		S010	TS2CC-28	26				HSDCU	17	122300 P031	003	
046	SPIRE PTC JFETV Bias A . SHD26		S3C.S -		S010	TS2CC-28	26		CS-S010		HSDCU	17	122300 P031	002	
-															
121	SPIRE SLW Bias A1 . +ve		SSD.S -		S025	TS2CC-28	27				HSDCU	17	122300 P031	022	
114	SPIRE SLW Bias A1 . -ve		SSD.S -		S025	TS2CC-28	27				HSDCU	17	122300 P031	004	
104	SPIRE SLW Bias A1 . SHD27		SSD.S -		S025	TS2CC-28	27		CS-S025		HSDCU	17	122300 P031	006	
-															
102	SPIRE SLW Bias A2 . +ve		SSD.S -		S026	TS2CC-28	28				HSDCU	17	122300 P031	005	
101	SPIRE SLW Bias A2 . -ve		SSD.S -		S026	TS2CC-28	28				HSDCU	17	122300 P031	024	
104	SPIRE SLW Bias A2 . SHD28		SSD.S -		S026	TS2CC-28	28		CS-S026		HSDCU	17	122300 P031	023	
-															
104	SPIRE SLW GND WIRE B3 . GNDB3		SSX.S -		S405	T01C0-26					HSDCU	17	122300 P031	006	
-															
092	SPIRE SLW JFETV A1 . +ve		SSF.S -		S011	TS2CC-28	29				HSDCU	17	122300 P031	025	
091	SPIRE SLW JFETV A1 . -ve		SSF.S -		S011	TS2CC-28	29				HSDCU	17	122300 P031	007	
104	SPIRE SLW JFETV A1 . SHD29		SSF.S -		S011	TS2CC-28	29		CS-S011		HSDCU	17	122300 P031	006	
-															
103	SPIRE SLW JFETV A2 . +ve		SSF.S -		S012	TS2CC-28	30				HSDCU	17	122300 P031	008	
113	SPIRE SLW JFETV A2 . -ve		SSF.S -		S012	TS2CC-28	30				HSDCU	17	122300 P031	027	
104	SPIRE SLW JFETV A2 . SHD30		SSF.S -		S012	TS2CC-28	30		CS-S012		HSDCU	17	122300 P031	026	
-															
090	SPIRE SSW Bias A1 . +ve		SSC.S -		S029	TS2CC-28	31				HSDCU	17	122300 P031	028	
079	SPIRE SSW Bias A1 . -ve		SSC.S -		S029	TS2CC-28	31				HSDCU	17	122300 P031	010	
093	SPIRE SSW Bias A1 . SHD31		SSC.S -		S029	TS2CC-28	31		CS-S029		HSDCU	17	122300 P031	009	
-															
068	SPIRE SSW JFETV A1 . +ve		SSE.S -		S016	TS2CC-28	32				HSDCU	17	122300 P031	011	
057	SPIRE SSW JFETV A1 . -ve		SSE.S -		S016	TS2CC-28	32				HSDCU	17	122300 P031	030	
093	SPIRE SSW JFETV A1 . SHD32		SSE.S -		S016	TS2CC-28	32		CS-S016		HSDCU	17	122300 P031	029	
-															
093	SPIRE SSW GND Wire C3 . GNDC3		SSX.S -		S406	T01C0-26					HSDCU	17	122300 P031	012	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
069	SPIRE SSW Bias A2 . +ve		SSC.S -		S031	TS2CC-28	33				HSDCU	17	122300 P031	013	
080	SPIRE SSW Bias A2 . -ve		SSC.S -		S031	TS2CC-28	33				HSDCU	17	122300 P031	032	
093	SPIRE SSW Bias A2 . SHD33		SSC.S -		S031	TS2CC-28	33		CS-S031		HSDCU	17	122300 P031	031	
-															
070	SPIRE SSW JFETV A2 . +ve		SSE.S -		S017	TS2CC-28	34				HSDCU	17	122300 P031	033	
081	SPIRE SSW JFETV A2 . -ve		SSE.S -		S017	TS2CC-28	34				HSDCU	17	122300 P031	015	
093	SPIRE SSW JFETV A2 . SHD34		SSE.S -		S017	TS2CC-28	34		CS-S017		HSDCU	17	122300 P031	014	
-															
023	SPIRE SLW JFET Htr A . +ve		SSH.S -		S033	TS2CC-28	35				HSDCU	17	122300 P031	017	
034	SPIRE SLW JFET Htr A . -ve		SSH.S -		S033	TS2CC-28	35				HSDCU	17	122300 P031	036	
022	SPIRE SLW JFET Htr A . SHD35		SSH.S -		S033	TS2CC-28	35		CS-S033		HSDCU	17	122300 P031	CH	
-															
033	SPIRE SSW JFET Htr A . +ve		SSG.S -		S034	TS2CC-28	36				HSDCU	17	122300 P031	037	
045	SPIRE SSW JFET Htr A . -ve		SSG.S -		S034	TS2CC-28	36				HSDCU	17	122300 P031	019	
022	SPIRE SSW JFET Htr A . SHD36		SSG.S -		S034	TS2CC-28	36		CS-S034		HSDCU	17	122300 P031	CH	
-															
044	SPIRE PTC JFET Htr A . +ve		S3B.S -		S019	TS2CC-28	37				HSDCU	17	122300 P031	016	
056	SPIRE PTC JFET Htr A . -ve		S3B.S -		S019	TS2CC-28	37				HSDCU	17	122300 P031	035	
022	SPIRE PTC JFET Htr A . SHD37		S3B.S -		S019	TS2CC-28	37		CS-S019		HSDCU	17	122300 P031	CH	
-															
001	SPIRE PTC TC Bias B . +ve		S3A.S -		S020	TS2CC-28	38				HSDCU	17	122300 P032	001	
008	SPIRE PTC TC Bias B . -ve		S3A.S -		S020	TS2CC-28	38				HSDCU	17	122300 P032	020	
004	SPIRE PTC TC Bias B . SHD38		S3A.S -		S020	TS2CC-28	38		CS-S020		HSDCU	17	122300 P032	002	
-															
004	SPIRE PTC GND Wire A4 . GNDA4		SSX.S -		S404	T01C0-26					HSDCU	17	122300 P032	002	
-															
003	SPIRE PTC JFETV Bias B . +ve		S3C.S -		S022	TS2CC-28	39				HSDCU	17	122300 P032	021	
002	SPIRE PTC JFETV Bias B . -ve		S3C.S -		S022	TS2CC-28	39				HSDCU	17	122300 P032	003	
004	SPIRE PTC JFETV Bias B . SHD39		S3C.S -		S022	TS2CC-28	39		CS-S022		HSDCU	17	122300 P032	002	
-															
013	SPIRE SLW Bias B1 . +ve		SSD.S -		S038	TS2CC-28	40				HSDCU	17	122300 P032	022	
012	SPIRE SLW Bias B1 . -ve		SSD.S -		S038	TS2CC-28	40				HSDCU	17	122300 P032	004	
032	SPIRE SLW Bias B1 . SHD40		SSD.S -		S038	TS2CC-28	40		CS-S038		HSDCU	17	122300 P032	006	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
021	SPIRE SLW Bias B2 . +ve		SSD.S -		S039	TS2CC-28	41				HSDCU	17	122300 P032	005	
020	SPIRE SLW Bias B2 . -ve		SSD.S -		S039	TS2CC-28	41				HSDCU	17	122300 P032	024	
032	SPIRE SLW Bias B2 . SHD41		SSD.S -		S039	TS2CC-28	41		CS-S039		HSDCU	17	122300 P032	023	
-															
032	SPIRE SLW GND Wire B4 . GNDB4		SSX.S -		S407	T01C0-26					HSDCU	17	122300 P032	006	
-															
031	SPIRE SLW JFETV B1 . +ve		SSF.S -		S028	TS2CC-28	42				HSDCU	17	122300 P032	025	
043	SPIRE SLW JFETV B1 . -ve		SSF.S -		S028	TS2CC-28	42				HSDCU	17	122300 P032	007	
032	SPIRE SLW JFETV B1 . SHD42		SSF.S -		S028	TS2CC-28	42		CS-S028		HSDCU	17	122300 P032	006	
-															
042	SPIRE SLW JFETV B2 . +ve		SSF.S -		S023	TS2CC-28	43				HSDCU	17	122300 P032	008	
054	SPIRE SLW JFETV B2 . -ve		SSF.S -		S023	TS2CC-28	43				HSDCU	17	122300 P032	027	
032	SPIRE SLW JFETV B2 . SHD43		SSF.S -		S023	TS2CC-28	43		CS-S023		HSDCU	17	122300 P032	026	
-															
-															
010	SPIRE SSW Bias B1 . +ve		SSC.S -		S042	TS2CC-28	44				HSDCU	17	122300 P032	028	
011	SPIRE SSW Bias B1 . -ve		SSC.S -		S042	TS2CC-28	44				HSDCU	17	122300 P032	010	
040	SPIRE SSW Bias B1 . SHD44		SSC.S -		S042	TS2CC-28	44		CS-S042		HSDCU	17	122300 P032	009	
-															
019	SPIRE SSW JFETV B1 . +ve		SSE.S -		S035	TS2CC-28	45				HSDCU	17	122300 P032	011	
029	SPIRE SSW JFETV B1 . -ve		SSE.S -		S035	TS2CC-28	45				HSDCU	17	122300 P032	030	
040	SPIRE SSW JFETV B1 . SHD45		SSE.S -		S035	TS2CC-28	45		CS-S035		HSDCU	17	122300 P032	029	
-															
040	SPIRE SSW GND Wire C4 . GNDC4		SSX.S -		S408	T01C0-26					HSDCU	17	122300 P032	012	
-															
041	SPIRE SSW Bias B2 . +ve		SSC.S -		S044	TS2CC-28	46				HSDCU	17	122300 P032	013	
030	SPIRE SSW Bias B2 . -ve		SSC.S -		S044	TS2CC-28	46				HSDCU	17	122300 P032	032	
040	SPIRE SSW Bias B2 . SHD46		SSC.S -		S044	TS2CC-28	46		CS-S044		HSDCU	17	122300 P032	031	
-															
053	SPIRE SSW JFETV B2 . +ve		SSE.S -		S036	TS2CC-28	47				HSDCU	17	122300 P032	033	
052	SPIRE SSW JFETV B2 . -ve		SSE.S -		S036	TS2CC-28	47				HSDCU	17	122300 P032	015	
040	SPIRE SSW JFETV B2 . SHD47		SSE.S -		S036	TS2CC-28	47		CS-S036		HSDCU	17	122300 P032	014	
-															
018	SPIRE SLW JFET Htr B . +ve		SSH.S -		S046	TS2CC-28	48				HSDCU	17	122300 P032	017	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P006**Function / Bundle:** SPIRE SVM CB2 SIH-XS-01**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
028	SPIRE SLW JFET Htr B . -ve		SSH.S -		S046	TS2CC-28	48				HSDCU	17	122300 P032	036	
039	SPIRE SLW JFET Htr B . SHD48		SSH.S -		S046	TS2CC-28	48		CS-S046		HSDCU	17	122300 P032	CH	
-															
009	SPIRE SSW JFET Htr B . +ve		SSG.S -		S047	TS2CC-28	49				HSDCU	17	122300 P032	037	
017	SPIRE SSW JFET Htr B . -ve		SSG.S -		S047	TS2CC-28	49				HSDCU	17	122300 P032	019	
039	SPIRE SSW JFET Htr B . SHD49		SSG.S -		S047	TS2CC-28	49		CS-S047		HSDCU	17	122300 P032	CH	
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.S -		S040	TS2CC-28	50				HSDCU	17	122300 P032	016	
027	SPIRE PTC JFET Htr B . -ve		S3B.S -		S040	TS2CC-28	50				HSDCU	17	122300 P032	035	
039	SPIRE PTC JFET Htr B . SHD50		S3B.S -		S040	TS2CC-28	50		CS-S040		HSDCU	17	122300 P032	CH	
-															
005	to be con as part of FCR								Faraday Cage Ring (FCR)						
006	to be con as part of FCR								Faraday Cage Ring (FCR)						
015	to be con as part of FCR								Faraday Cage Ring (FCR)						
022	to be con as part of FCR								Faraday Cage Ring (FCR)						
025	to be con as part of FCR								Faraday Cage Ring (FCR)						
036	to be con as part of FCR								Faraday Cage Ring (FCR)						
039	to be con as part of FCR								Faraday Cage Ring (FCR)						
047	to be con as part of FCR								Faraday Cage Ring (FCR)						
058	to be con as part of FCR								Faraday Cage Ring (FCR)						
082	to be con as part of FCR								Faraday Cage Ring (FCR)						
094	to be con as part of FCR								Faraday Cage Ring (FCR)						
105	to be con as part of FCR								Faraday Cage Ring (FCR)						
123	to be con as part of FCR								Faraday Cage Ring (FCR)						
124	to be con as part of FCR								Faraday Cage Ring (FCR)						
125	to be con as part of FCR								Faraday Cage Ring (FCR)						
126	to be con as part of FCR								Faraday Cage Ring (FCR)						
127	to be con as part of FCR								Faraday Cage Ring (FCR)						
128	to be con as part of FCR								Faraday Cage Ring (FCR)						
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness) SPIRE

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 401 (of 599)

Connector: 312200 P006
Item: HSSVMCB2

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

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M24 05

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

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P028

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SLW Ch13-16 . 13+		SSB.S -		S004	TS2CC-28	13	004-1		HSSVMCB2	27	312200 P006	086		
002	SPIRE SLW Ch13-16 . 13-		SSB.S -		S004	TS2CC-28	13	004-1		HSSVMCB2	27	312200 P006	087		
001	SPIRE SLW Ch13-16 . SHD13		SSB.S -		S004	TS2CC-28	13	004-1	CS-S004-1	HSSVMCB2	27	312200 P006	122		
-															
003	SPIRE SLW Ch13-16 . 14+		SSB.S -		S004	TS2CC-28	14	004-2		HSSVMCB2	27	312200 P006	097		
022	SPIRE SLW Ch13-16 . 14-		SSB.S -		S004	TS2CC-28	14	004-2		HSSVMCB2	27	312200 P006	098		
021	SPIRE SLW Ch13-16 . SHD14		SSB.S -		S004	TS2CC-28	14	004-2	CS-S004-2	HSSVMCB2	27	312200 P006	122		
-															
023	SPIRE SLW Ch13-16 . 15+		SSB.S -		S004	TS2CC-28	15	004-3		HSSVMCB2	27	312200 P006	108		
005	SPIRE SLW Ch13-16 . 15-		SSB.S -		S004	TS2CC-28	15	004-3		HSSVMCB2	27	312200 P006	109		
004	SPIRE SLW Ch13-16 . SHD15		SSB.S -		S004	TS2CC-28	15	004-3	CS-S004-3	HSSVMCB2	27	312200 P006	122		
-															
006	SPIRE SLW Ch13-16 . 16+		SSB.S -		S004	TS2CC-28	16	004-4		HSSVMCB2	27	312200 P006	116		
025	SPIRE SLW Ch13-16 . 16-		SSB.S -		S004	TS2CC-28	16	004-4		HSSVMCB2	27	312200 P006	117		
024	SPIRE SLW Ch13-16 . SHD16		SSB.S -		S004	TS2CC-28	16	004-4	CS-S004-4	HSSVMCB2	27	312200 P006	122		
-															
026	SPIRE SLW Ch17-20 . 17+		SSB.S -		S005	TS2CC-28	17	005-1		HSSVMCB2	27	312200 P006	055		
008	SPIRE SLW Ch17-20 . 17-		SSB.S -		S005	TS2CC-28	17	005-1		HSSVMCB2	27	312200 P006	066		
007	SPIRE SLW Ch17-20 . SHD17		SSB.S -		S005	TS2CC-28	17	005-1	CS-S005-1	HSSVMCB2	27	312200 P006	122		
-															
009	SPIRE SLW Ch17-20 . 18+		SSB.S -		S005	TS2CC-28	18	005-2		HSSVMCB2	27	312200 P006	067		
028	SPIRE SLW Ch17-20 . 18-		SSB.S -		S005	TS2CC-28	18	005-2		HSSVMCB2	27	312200 P006	078		
027	SPIRE SLW Ch17-20 . SHD18		SSB.S -		S005	TS2CC-28	18	005-2	CS-S005-2	HSSVMCB2	27	312200 P006	122		
-															
011	SPIRE SLW Ch17-20 . 19+		SSB.S -		S005	TS2CC-28	19	005-3		HSSVMCB2	27	312200 P006	076		
029	SPIRE SLW Ch17-20 . 19-		SSB.S -		S005	TS2CC-28	19	005-3		HSSVMCB2	27	312200 P006	077		
030	SPIRE SLW Ch17-20 . SHD19		SSB.S -		S005	TS2CC-28	19	005-3	CS-S005-3	HSSVMCB2	27	312200 P006	122		
-															
031	SPIRE SLW Ch17-20 . 20+		SSB.S -		S005	TS2CC-28	20	005-4		HSSVMCB2	27	312200 P006	088		
012	SPIRE SLW Ch17-20 . 20-		SSB.S -		S005	TS2CC-28	20	005-4		HSSVMCB2	27	312200 P006	089		
013	SPIRE SLW Ch17-20 . SHD20		SSB.S -		S005	TS2CC-28	20	005-4	CS-S005-4	HSSVMCB2	27	312200 P006	122		
-															
014	SPIRE SLW Ch21-24 . 21+		SSB.S -		S006	TS2CC-28	21	006-1		HSSVMCB2	27	312200 P006	099		
032	SPIRE SLW Ch21-24 . 21-		SSB.S -		S006	TS2CC-28	21	006-1		HSSVMCB2	27	312200 P006	100		

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P028**Function / Bundle:** DCU JFS SLW SIH-XS-01**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SLW Ch21-24 . SHD21		SSB.S -		S006	TS2CC-28	21	006-1		CS-S006-1	HSSVMCB2	27	312200 P006	122	
-															
034	SPIRE SLW Ch21-24 . 22+		SSB.S -		S006	TS2CC-28	22	006-2			HSSVMCB2	27	312200 P006	110	
015	SPIRE SLW Ch21-24 . 22-		SSB.S -		S006	TS2CC-28	22	006-2			HSSVMCB2	27	312200 P006	111	
016	SPIRE SLW Ch21-24 . SHD22		SSB.S -		S006	TS2CC-28	22	006-2		CS-S006-2	HSSVMCB2	27	312200 P006	122	
-															
017	SPIRE SLW Ch21-24 . 23+		SSB.S -		S006	TS2CC-28	23	006-3			HSSVMCB2	27	312200 P006	118	
035	SPIRE SLW Ch21-24 . 23-		SSB.S -		S006	TS2CC-28	23	006-3			HSSVMCB2	27	312200 P006	119	
036	SPIRE SLW Ch21-24 . SHD23		SSB.S -		S006	TS2CC-28	23	006-3		CS-S006-3	HSSVMCB2	27	312200 P006	122	
-															
037	SPIRE SLW Ch21-24 . 24+		SSB.S -		S006	TS2CC-28	24	006-4			HSSVMCB2	27	312200 P006	112	
018	SPIRE SLW Ch21-24 . 24-		SSB.S -		S006	TS2CC-28	24	006-4			HSSVMCB2	27	312200 P006	120	
019	SPIRE SLW Ch21-24 . SHD24		SSB.S -		S006	TS2CC-28	24	006-4		CS-S006-4	HSSVMCB2	27	312200 P006	122	
-															
010	SPIRE SLW GND Wire A2		SSX.S -		S402	T01C0-26					HSSVMCB2	27	312200 P006	122	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P027

Function / Bundle: DCU JFS SLW SIH-XS-01

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SLW Ch01-04 . 1+		SSB.S -		S001	TS2CC-28	1	001-1			HSSVMCB2	27	312200 P006	026	
002	SPIRE SLW Ch01-04 . 1-		SSB.S -		S001	TS2CC-28	1	001-1			HSSVMCB2	27	312200 P006	037	
001	SPIRE SLW Ch01-04 . SHD01		SSB.S -		S001	TS2CC-28	1	001-1	CS-S001-1		HSSVMCB2	27	312200 P006	115	
-															
003	SPIRE SLW Ch01-04 . 2+		SSB.S -		S001	TS2CC-28	2	001-2			HSSVMCB2	27	312200 P006	038	
022	SPIRE SLW Ch01-04 . 2-		SSB.S -		S001	TS2CC-28	2	001-2			HSSVMCB2	27	312200 P006	049	
021	SPIRE SLW Ch01-04 . SHD02		SSB.S -		S001	TS2CC-28	2	001-2	CS-S001-2		HSSVMCB2	27	312200 P006	115	
-															
023	SPIRE SLW Ch01-04 . 3+		SSB.S -		S001	TS2CC-28	3	001-3			HSSVMCB2	27	312200 P006	048	
005	SPIRE SLW Ch01-04 . 3-		SSB.S -		S001	TS2CC-28	3	001-3			HSSVMCB2	27	312200 P006	060	
004	SPIRE SLW Ch01-04 . SHD03		SSB.S -		S001	TS2CC-28	3	001-3	CS-S001-3		HSSVMCB2	27	312200 P006	115	
-															
006	SPIRE SLW Ch01-04 . 4+		SSB.S -		S001	TS2CC-28	4	001-4			HSSVMCB2	27	312200 P006	059	
025	SPIRE SLW Ch01-04 . 4-		SSB.S -		S001	TS2CC-28	4	001-4			HSSVMCB2	27	312200 P006	071	
024	SPIRE SLW Ch01-04 . SHD04		SSB.S -		S001	TS2CC-28	4	001-4	CS-S001-4		HSSVMCB2	27	312200 P006	115	
-															
026	SPIRE SLW Ch05-08 . 5+		SSB.S -		S002	TS2CC-28	5	002-1			HSSVMCB2	27	312200 P006	050	
008	SPIRE SLW Ch05-08 . 5-		SSB.S -		S002	TS2CC-28	5	002-1			HSSVMCB2	27	312200 P006	061	
007	SPIRE SLW Ch05-08 . SHD05		SSB.S -		S002	TS2CC-28	5	002-1	CS-S002-1		HSSVMCB2	27	312200 P006	115	
-															
009	SPIRE SLW Ch05-08 . 6+		SSB.S -		S002	TS2CC-28	6	002-2			HSSVMCB2	27	312200 P006	062	
028	SPIRE SLW Ch05-08 . 6-		SSB.S -		S002	TS2CC-28	6	002-2			HSSVMCB2	27	312200 P006	051	
027	SPIRE SLW Ch05-08 . SHD06		SSB.S -		S002	TS2CC-28	6	002-2	CS-S002-2		HSSVMCB2	27	312200 P006	115	
-															
011	SPIRE SLW Ch05-08 . 7+		SSB.S -		S002	TS2CC-28	7	002-3			HSSVMCB2	27	312200 P006	063	
029	SPIRE SLW Ch05-08 . 7-		SSB.S -		S002	TS2CC-28	7	002-3			HSSVMCB2	27	312200 P006	075	
030	SPIRE SLW Ch05-08 . SHD07		SSB.S -		S002	TS2CC-28	7	002-3	CS-S002-3		HSSVMCB2	27	312200 P006	115	
-															
031	SPIRE SLW Ch05-08 . 8+		SSB.S -		S002	TS2CC-28	8	002-4			HSSVMCB2	27	312200 P006	074	
012	SPIRE SLW Ch05-08 . 8-		SSB.S -		S002	TS2CC-28	8	002-4			HSSVMCB2	27	312200 P006	073	
013	SPIRE SLW Ch05-08 . SHD08		SSB.S -		S002	TS2CC-28	8	002-4	CS-S002-4		HSSVMCB2	27	312200 P006	115	
-															
014	SPIRE SLW Ch09-12 . 9+		SSB.S -		S003	TS2CC-28	9	003-1			HSSVMCB2	27	312200 P006	083	
032	SPIRE SLW Ch09-12 . 9-		SSB.S -		S003	TS2CC-28	9	003-1			HSSVMCB2	27	312200 P006	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P027**Function / Bundle:** DCU JFS SLW SIH-XS-01**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SLW Ch09-12 . SHD09		SSB.S -		S003	TS2CC-28	9	003-1		CS-S003-1	HSSVMCB2	27	312200 P006	115	
-															
034	SPIRE SLW Ch09-12 . 10+		SSB.S -		S003	TS2CC-28	10	003-2			HSSVMCB2	27	312200 P006	095	
015	SPIRE SLW Ch09-12 . 10-		SSB.S -		S003	TS2CC-28	10	003-2			HSSVMCB2	27	312200 P006	084	
016	SPIRE SLW Ch09-12 . SHD10		SSB.S -		S003	TS2CC-28	10	003-2		CS-S003-2	HSSVMCB2	27	312200 P006	115	
-															
017	SPIRE SLW Ch09-12 . 11+		SSB.S -		S003	TS2CC-28	11	003-3			HSSVMCB2	27	312200 P006	096	
035	SPIRE SLW Ch09-12 . 11-		SSB.S -		S003	TS2CC-28	11	003-3			HSSVMCB2	27	312200 P006	085	
036	SPIRE SLW Ch09-12 . SHD11		SSB.S -		S003	TS2CC-28	11	003-3		CS-S003-3	HSSVMCB2	27	312200 P006	115	
-															
037	SPIRE SLW Ch09-12 . 12+		SSB.S -		S003	TS2CC-28	12	003-4			HSSVMCB2	27	312200 P006	106	
018	SPIRE SLW Ch09-12 . 12-		SSB.S -		S003	TS2CC-28	12	003-4			HSSVMCB2	27	312200 P006	107	
019	SPIRE SLW Ch09-12 . SHD12		SSB.S -		S003	TS2CC-28	12	003-4		CS-S003-4	HSSVMCB2	27	312200 P006	115	
-															
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Schield (OOS)														2S
-															
-	1 pin is NC									The following Pin is NC :					
-										;010					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P031**Function / Bundle:** DCU JFS SIH-XS-01**Conn.-Type:** 3401-00201B-DCMA-37P-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PTC TC Bias A . +ve		S3A.S -		S009	TS2CC-28	25				HSSVMCB2	27	312200 P006	007	
020	SPIRE PTC TC Bias A . -ve		S3A.S -		S009	TS2CC-28	25				HSSVMCB2	27	312200 P006	014	
002	SPIRE PTC TC Bias A . SHD25		S3A.S -		S009	TS2CC-28	25			CS-S009	HSSVMCB2	27	312200 P006	046	
-															
021	SPIRE PTC JFETV Bias A . +ve		S3C.S -		S010	TS2CC-28	26				HSSVMCB2	27	312200 P006	024	
003	SPIRE PTC JFETV Bias A . -ve		S3C.S -		S010	TS2CC-28	26				HSSVMCB2	27	312200 P006	035	
002	SPIRE PTC JFETV Bias A . SHD26		S3C.S -		S010	TS2CC-28	26			CS-S010	HSSVMCB2	27	312200 P006	046	
-															
002	SPIRE PTC GND WIRE A3 . GNDA3		SSX.S -		S403	T01C0-26					HSSVMCB2	27	312200 P006	046	
-															
022	SPIRE SLW Bias A1 . +ve		SSD.S -		S025	TS2CC-28	27				HSSVMCB2	27	312200 P006	121	
004	SPIRE SLW Bias A1 . -ve		SSD.S -		S025	TS2CC-28	27				HSSVMCB2	27	312200 P006	114	
006	SPIRE SLW Bias A1 . SHD27		SSD.S -		S025	TS2CC-28	27			CS-S025	HSSVMCB2	27	312200 P006	104	
-															
005	SPIRE SLW Bias A2 . +ve		SSD.S -		S026	TS2CC-28	28				HSSVMCB2	27	312200 P006	102	
024	SPIRE SLW Bias A2 . -ve		SSD.S -		S026	TS2CC-28	28				HSSVMCB2	27	312200 P006	101	
023	SPIRE SLW Bias A2 . SHD28		SSD.S -		S026	TS2CC-28	28			CS-S026	HSSVMCB2	27	312200 P006	104	
-															
025	SPIRE SLW JFETV A1 . +ve		SSF.S -		S011	TS2CC-28	29				HSSVMCB2	27	312200 P006	092	
007	SPIRE SLW JFETV A1 . -ve		SSF.S -		S011	TS2CC-28	29				HSSVMCB2	27	312200 P006	091	
006	SPIRE SLW JFETV A1 . SHD29		SSF.S -		S011	TS2CC-28	29			CS-S011	HSSVMCB2	27	312200 P006	104	
-															
008	SPIRE SLW JFETV A2 . +ve		SSF.S -		S012	TS2CC-28	30				HSSVMCB2	27	312200 P006	103	
027	SPIRE SLW JFETV A2 . -ve		SSF.S -		S012	TS2CC-28	30				HSSVMCB2	27	312200 P006	113	
026	SPIRE SLW JFETV A2 . SHD30		SSF.S -		S012	TS2CC-28	30			CS-S012	HSSVMCB2	27	312200 P006	104	
-															
006	SPIRE SLW GND WIRE B3 . GNDB3		SSX.S -		S405	T01C0-26					HSSVMCB2	27	312200 P006	104	
-															
028	SPIRE SSW Bias A1 . +ve		SSC.S -		S029	TS2CC-28	31				HSSVMCB2	27	312200 P006	090	
010	SPIRE SSW Bias A1 . -ve		SSC.S -		S029	TS2CC-28	31				HSSVMCB2	27	312200 P006	079	
009	SPIRE SSW Bias A1 . SHD31		SSC.S -		S029	TS2CC-28	31			CS-S029	HSSVMCB2	27	312200 P006	093	
-															
011	SPIRE SSW JFETV A1 . +ve		SSE.S -		S016	TS2CC-28	32				HSSVMCB2	27	312200 P006	068	
030	SPIRE SSW JFETV A1 . -ve		SSE.S -		S016	TS2CC-28	32				HSSVMCB2	27	312200 P006	057	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P031

Function / Bundle: DCU JFS SIH-XS-01

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SSW JFETV A1 . SHD32		SSE.S -		S016	TS2CC-28	32			CS-S016	HSSVMCB2	27	312200 P006	093	
-															
013	SPIRE SSW Bias A2 . +ve		SSC.S -		S031	TS2CC-28	33				HSSVMCB2	27	312200 P006	069	
032	SPIRE SSW Bias A2 . -ve		SSC.S -		S031	TS2CC-28	33				HSSVMCB2	27	312200 P006	080	
031	SPIRE SSW Bias A2 . SHD33		SSC.S -		S031	TS2CC-28	33			CS-S031	HSSVMCB2	27	312200 P006	093	
-															
033	SPIRE SSW JFETV A2 . +ve		SSE.S -		S017	TS2CC-28	34				HSSVMCB2	27	312200 P006	070	
015	SPIRE SSW JFETV A2 . -ve		SSE.S -		S017	TS2CC-28	34				HSSVMCB2	27	312200 P006	081	
014	SPIRE SSW JFETV A2 . SHD34		SSE.S -		S017	TS2CC-28	34			CS-S017	HSSVMCB2	27	312200 P006	093	
-															
012	SPIRE SSW GND Wire C3 . GNDC3		SSX.S -		S406	T01C0-26					HSSVMCB2	27	312200 P006	093	
-															
017	SPIRE SLW JFET Htr A . +ve		SSH.S -		S033	TS2CC-28	35				HSSVMCB2	27	312200 P006	023	
036	SPIRE SLW JFET Htr A . -ve		SSH.S -		S033	TS2CC-28	35				HSSVMCB2	27	312200 P006	034	
CH	SPIRE SLW JFET Htr A . SHD35		SSH.S -		S033	TS2CC-28	35			CS-S033	HSSVMCB2	27	312200 P006	022	
-															
037	SPIRE SSW JFET Htr A . +ve		SSG.S -		S034	TS2CC-28	36				HSSVMCB2	27	312200 P006	033	
019	SPIRE SSW JFET Htr A . -ve		SSG.S -		S034	TS2CC-28	36				HSSVMCB2	27	312200 P006	045	
CH	SPIRE SSW JFET Htr A . SHD36		SSG.S -		S034	TS2CC-28	36			CS-S034	HSSVMCB2	27	312200 P006	022	
-															
016	SPIRE PTC JFET Htr A . +ve		S3B.S -		S019	TS2CC-28	37				HSSVMCB2	27	312200 P006	044	
035	SPIRE PTC JFET Htr A . -ve		S3B.S -		S019	TS2CC-28	37				HSSVMCB2	27	312200 P006	056	
CH	SPIRE PTC JFET Htr A . SHD37		S3B.S -		S019	TS2CC-28	37			CS-S019	HSSVMCB2	27	312200 P006	022	
-															
006	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
023	to be con to pin 006														
026	to be con to pin 006														
-															
012	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
009	to be con to pin 012														
014	to be con to pin 012														
029	to be con to pin 012														
031	to be con to pin 012														
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 408 (of 599)

Connector: 122300 P031
Item: HSDCU

Function / Bundle: DCU JFS SIH-XS-01

Conn.-Type: 3401-00201B-DCMA-37P-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	2 pins are NC									The following Pins are NC :					
-	-									;018 ;034					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P032

Function / Bundle: DCU JFS SIH-X1-01

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PTC TC Bias B . +ve	S3A.S	-		S020	TS2CC-28	38				HSSVMCB2	27	312200 P006	001	
020	SPIRE PTC TC Bias B . -ve	S3A.S	-		S020	TS2CC-28	38				HSSVMCB2	27	312200 P006	008	
002	SPIRE PTC TC Bias B . SHD38	S3A.S	-		S020	TS2CC-28	38		CS-S020		HSSVMCB2	27	312200 P006	004	
-															
021	SPIRE PTC JFETV Bias B . +ve	S3C.S	-		S022	TS2CC-28	39				HSSVMCB2	27	312200 P006	003	
003	SPIRE PTC JFETV Bias B . -ve	S3C.S	-		S022	TS2CC-28	39				HSSVMCB2	27	312200 P006	002	
002	SPIRE PTC JFETV Bias B . SHD39	S3C.S	-		S022	TS2CC-28	39		CS-S022		HSSVMCB2	27	312200 P006	004	
-															
002	SPIRE PTC GND Wire A4 . GNDA4	SSX.S	-		S404	T01C0-26					HSSVMCB2	27	312200 P006	004	
-															
022	SPIRE SLW Bias B1 . +ve	SSD.S	-		S038	TS2CC-28	40				HSSVMCB2	27	312200 P006	013	
004	SPIRE SLW Bias B1 . -ve	SSD.S	-		S038	TS2CC-28	40				HSSVMCB2	27	312200 P006	012	
006	SPIRE SLW Bias B1 . SHD40	SSD.S	-		S038	TS2CC-28	40		CS-S038		HSSVMCB2	27	312200 P006	032	
-															
005	SPIRE SLW Bias B2 . +ve	SSD.S	-		S039	TS2CC-28	41				HSSVMCB2	27	312200 P006	021	
024	SPIRE SLW Bias B2 . -ve	SSD.S	-		S039	TS2CC-28	41				HSSVMCB2	27	312200 P006	020	
023	SPIRE SLW Bias B2 . SHD41	SSD.S	-		S039	TS2CC-28	41		CS-S039		HSSVMCB2	27	312200 P006	032	
-															
025	SPIRE SLW JFETV B1 . +ve	SSF.S	-		S028	TS2CC-28	42				HSSVMCB2	27	312200 P006	031	
007	SPIRE SLW JFETV B1 . -ve	SSF.S	-		S028	TS2CC-28	42				HSSVMCB2	27	312200 P006	043	
006	SPIRE SLW JFETV B1 . SHD42	SSF.S	-		S028	TS2CC-28	42		CS-S028		HSSVMCB2	27	312200 P006	032	
-															
008	SPIRE SLW JFETV B2 . +ve	SSF.S	-		S023	TS2CC-28	43				HSSVMCB2	27	312200 P006	042	
027	SPIRE SLW JFETV B2 . -ve	SSF.S	-		S023	TS2CC-28	43				HSSVMCB2	27	312200 P006	054	
026	SPIRE SLW JFETV B2 . SHD43	SSF.S	-		S023	TS2CC-28	43		CS-S023		HSSVMCB2	27	312200 P006	032	
-															
006	SPIRE SLW GND Wire B4 . GNDB4	SSX.S	-		S407	T01C0-26					HSSVMCB2	27	312200 P006	032	
-															
028	SPIRE SSW Bias B1 . +ve	SSC.S	-		S042	TS2CC-28	44				HSSVMCB2	27	312200 P006	010	
010	SPIRE SSW Bias B1 . -ve	SSC.S	-		S042	TS2CC-28	44				HSSVMCB2	27	312200 P006	011	
009	SPIRE SSW Bias B1 . SHD44	SSC.S	-		S042	TS2CC-28	44		CS-S042		HSSVMCB2	27	312200 P006	040	
-															
011	SPIRE SSW JFETV B1 . +ve	SSE.S	-		S035	TS2CC-28	45				HSSVMCB2	27	312200 P006	019	
030	SPIRE SSW JFETV B1 . -ve	SSE.S	-		S035	TS2CC-28	45				HSSVMCB2	27	312200 P006	029	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P032**Function / Bundle:** DCU JFS SIH-X1-01**Conn.-Type:** 3401-00201B-DCMA-37P-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE SSW JFETV B1 . SHD45		SSE.S -		S035	TS2CC-28	45			CS-S035	HSSVMCB2	27	312200 P006	040	
-															
013	SPIRE SSW Bias B2 . +ve		SSC.S -		S044	TS2CC-28	46				HSSVMCB2	27	312200 P006	041	
032	SPIRE SSW Bias B2 . -ve		SSC.S -		S044	TS2CC-28	46				HSSVMCB2	27	312200 P006	030	
031	SPIRE SSW Bias B2 . SHD46		SSC.S -		S044	TS2CC-28	46			CS-S044	HSSVMCB2	27	312200 P006	040	
-															
033	SPIRE SSW JFETV B2 . +ve		SSE.S -		S036	TS2CC-28	47				HSSVMCB2	27	312200 P006	053	
015	SPIRE SSW JFETV B2 . -ve		SSE.S -		S036	TS2CC-28	47				HSSVMCB2	27	312200 P006	052	
014	SPIRE SSW JFETV B2 . SHD47		SSE.S -		S036	TS2CC-28	47			Cable S036	HSSVMCB2	27	312200 P006	040	
-															
012	SPIRE SSW GND Wire C4 . GNDC4		SSX.S -		S408	T01C0-26					HSSVMCB2	27	312200 P006	040	
-															
017	SPIRE SLW JFET Htr B . +ve		SSH.S -		S046	TS2CC-28	48				HSSVMCB2	27	312200 P006	018	
036	SPIRE SLW JFET Htr B . -ve		SSH.S -		S046	TS2CC-28	48				HSSVMCB2	27	312200 P006	028	
CH	SPIRE SLW JFET Htr B . SHD48		SSH.S -		S046	TS2CC-28	48			CS-S045	HSSVMCB2	27	312200 P006	039	
-															
037	SPIRE SSW JFET Htr B . +ve		SSG.S -		S047	TS2CC-28	49				HSSVMCB2	27	312200 P006	009	
019	SPIRE SSW JFET Htr B . -ve		SSG.S -		S047	TS2CC-28	49				HSSVMCB2	27	312200 P006	017	
CH	SPIRE SSW JFET Htr B . SHD49		SSG.S -		S047	TS2CC-28	49			CS-S042	HSSVMCB2	27	312200 P006	039	
-															
016	SPIRE PTC JFET Htr B . +ve		S3B.S -		S040	TS2CC-28	50				HSSVMCB2	27	312200 P006	016	
035	SPIRE PTC JFET Htr B . -ve		S3B.S -		S040	TS2CC-28	50				HSSVMCB2	27	312200 P006	027	
CH	SPIRE PTC JFET Htr B . SHD50		S3B.S -		S040	TS2CC-28	50			CS-S040	HSSVMCB2	27	312200 P006	039	
-															
006	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
023	to be con to pin 006														
026	to be con to pin 006														
-															
012	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
009	to be con to pin 012														
014	to be con to pin 012														
029	to be con to pin 012														
031	to be con to pin 012														
-															

Pin Allocation List
 (Harness)
SPIRE

Connector: 122300 P032
Item: HSDCU

Function / Bundle: DCU JFS SIH-X1-01

Conn.-Type: 3401-00201B-DCMA-37P-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	2 pins are NC									The following Pins are NC :					
-	-									;018 ;034					

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
090	SPIRE SSW Ch01-04 . 1+		SSA.S -		S051	TS2CC-28	1	051-1			HSDCU	17	122300 P023	020	
079	SPIRE SSW Ch01-04 . 1-		SSA.S -		S051	TS2CC-28	1	051-1			HSDCU	17	122300 P023	002	
047	SPIRE SSW Ch01-04 . SHD01		SSA.S -		S051	TS2CC-28	1	051-1	CS-S051-1		HSDCU	17	122300 P023	001	
-															
102	SPIRE SSW Ch01-04 . 2+		SSA.S -		S051	TS2CC-28	2	051-2			HSDCU	17	122300 P023	003	
101	SPIRE SSW Ch01-04 . 2-		SSA.S -		S051	TS2CC-28	2	051-2			HSDCU	17	122300 P023	022	
047	SPIRE SSW Ch01-04 . SHD02		SSA.S -		S051	TS2CC-28	2	051-2	CS-S051-2		HSDCU	17	122300 P023	021	
-															
092	SPIRE SSW Ch01-04 . 3+		SSA.S -		S051	TS2CC-28	3	051-3			HSDCU	17	122300 P023	023	
091	SPIRE SSW Ch01-04 . 3-		SSA.S -		S051	TS2CC-28	3	051-3			HSDCU	17	122300 P023	005	
047	SPIRE SSW Ch01-04 . SHD03		SSA.S -		S051	TS2CC-28	3	051-3	CS-S051-3		HSDCU	17	122300 P023	004	
-															
103	SPIRE SSW Ch01-04 . 4+		SSA.S -		S051	TS2CC-28	4	051-4			HSDCU	17	122300 P023	006	
113	SPIRE SSW Ch01-04 . 4-		SSA.S -		S051	TS2CC-28	4	051-4			HSDCU	17	122300 P023	025	
047	SPIRE SSW Ch01-04 . SHD04		SSA.S -		S051	TS2CC-28	4	051-4	CS-S051-4		HSDCU	17	122300 P023	024	
-															
058	SPIRE SSW Ch05-08 . 5+		SSA.S -		S052	TS2CC-28	5	052-1			HSDCU	17	122300 P023	026	
046	SPIRE SSW Ch05-08 . 5-		SSA.S -		S052	TS2CC-28	5	052-1			HSDCU	17	122300 P023	008	
047	SPIRE SSW Ch05-08 . SHD05		SSA.S -		S052	TS2CC-28	5	052-1	CS-S052-1		HSDCU	17	122300 P023	007	
-															
068	SPIRE SSW Ch05-08 . 6+		SSA.S -		S052	TS2CC-28	6	052-2			HSDCU	17	122300 P023	009	
057	SPIRE SSW Ch05-08 . 6-		SSA.S -		S052	TS2CC-28	6	052-2			HSDCU	17	122300 P023	028	
047	SPIRE SSW Ch05-08 . SHD06		SSA.S -		S052	TS2CC-28	6	052-2	CS-S052-2		HSDCU	17	122300 P023	027	
-															
069	SPIRE SSW Ch05-08 . 7+		SSA.S -		S052	TS2CC-28	7	052-3			HSDCU	17	122300 P023	011	
080	SPIRE SSW Ch05-08 . 7-		SSA.S -		S052	TS2CC-28	7	052-3			HSDCU	17	122300 P023	029	
047	SPIRE SSW Ch05-08 . SHD07		SSA.S -		S052	TS2CC-28	7	052-3	CS-S052-3		HSDCU	17	122300 P023	030	
-															
070	SPIRE SSW Ch05-08 . 8+		SSA.S -		S052	TS2CC-28	8	052-4			HSDCU	17	122300 P023	031	
081	SPIRE SSW Ch05-08 . 8-		SSA.S -		S052	TS2CC-28	8	052-4			HSDCU	17	122300 P023	012	
047	SPIRE SSW Ch05-08 . SHD08		SSA.S -		S052	TS2CC-28	8	052-4	CS-S052-4		HSDCU	17	122300 P023	013	
-															
023	SPIRE SSW Ch09-12 . 9+		SSA.S -		S054	TS2CC-28	9	054-1			HSDCU	17	122300 P023	014	
034	SPIRE SSW Ch09-12 . 9-		SSA.S -		S054	TS2CC-28	9	054-1			HSDCU	17	122300 P023	032	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
047	SPIRE SSW Ch09-12 . SHD09		SSA.S -		S054	TS2CC-28	9	054-1		CS-S054-1	HSDCU	17	122300 P023	033	
-															
033	SPIRE SSW Ch09-12 . 10+		SSA.S -		S054	TS2CC-28	10	054-2			HSDCU	17	122300 P023	034	
045	SPIRE SSW Ch09-12 . 10-		SSA.S -		S054	TS2CC-28	10	054-2			HSDCU	17	122300 P023	015	
047	SPIRE SSW Ch09-12 . SHD10		SSA.S -		S054	TS2CC-28	10	054-2		CS-S054-2	HSDCU	17	122300 P023	016	
-															
044	SPIRE SSW Ch09-12 . 11+		SSA.S -		S054	TS2CC-28	11	054-3			HSDCU	17	122300 P023	017	
056	SPIRE SSW Ch09-12 . 11-		SSA.S -		S054	TS2CC-28	11	054-3			HSDCU	17	122300 P023	035	
047	SPIRE SSW Ch09-12 . SHD11		SSA.S -		S054	TS2CC-28	11	054-3		CS-S054-3	HSDCU	17	122300 P023	036	
-															
022	SPIRE SSW Ch09-12 . 12+		SSA.S -		S054	TS2CC-28	12	054-4			HSDCU	17	122300 P023	037	
032	SPIRE SSW Ch09-12 . 12-		SSA.S -		S054	TS2CC-28	12	054-4			HSDCU	17	122300 P023	018	
047	SPIRE SSW Ch09-12 . SHD12		SSA.S -		S054	TS2CC-28	12	054-4		CS-S054-4	HSDCU	17	122300 P023	019	
-															
086	SPIRE SSW Ch13-16 . 13+		SSA.S -		S055	TS2CC-28	13	055-1			HSDCU	17	122300 P024	020	
087	SPIRE SSW Ch13-16 . 13-		SSA.S -		S055	TS2CC-28	13	055-1			HSDCU	17	122300 P024	002	
128	SPIRE SSW Ch13-16 . SHD13		SSA.S -		S055	TS2CC-28	13	055-1		CS-S055-1	HSDCU	17	122300 P024	001	
-															
097	SPIRE SSW Ch13-16 . 14+		SSA.S -		S055	TS2CC-28	14	055-2			HSDCU	17	122300 P024	003	
098	SPIRE SSW Ch13-16 . 14-		SSA.S -		S055	TS2CC-28	14	055-2			HSDCU	17	122300 P024	022	
128	SPIRE SSW Ch13-16 . SHD14		SSA.S -		S055	TS2CC-28	14	055-2		CS-S055-2	HSDCU	17	122300 P024	021	
-															
108	SPIRE SSW Ch13-16 . 15+		SSA.S -		S055	TS2CC-28	15	055-3			HSDCU	17	122300 P024	023	
109	SPIRE SSW Ch13-16 . 15-		SSA.S -		S055	TS2CC-28	15	055-3			HSDCU	17	122300 P024	005	
128	SPIRE SSW Ch13-16 . SHD15		SSA.S -		S055	TS2CC-28	15	055-3		CS-S055-3	HSDCU	17	122300 P024	004	
-															
116	SPIRE SSW Ch13-16 . 16+		SSA.S -		S055	TS2CC-28	16	055-4			HSDCU	17	122300 P024	006	
117	SPIRE SSW Ch13-16 . 16-		SSA.S -		S055	TS2CC-28	16	055-4			HSDCU	17	122300 P024	025	
128	SPIRE SSW Ch13-16 . SHD16		SSA.S -		S055	TS2CC-28	16	055-4		CS-S055-4	HSDCU	17	122300 P024	024	
-															
055	SPIRE SSW Ch17-20 . 17+		SSA.S -		S056	TS2CC-28	17	056-1			HSDCU	17	122300 P024	026	
066	SPIRE SSW Ch17-20 . 17-		SSA.S -		S056	TS2CC-28	17	056-1			HSDCU	17	122300 P024	008	
128	SPIRE SSW Ch17-20 . SHD17		SSA.S -		S056	TS2CC-28	17	056-1		CS-S056-1	HSDCU	17	122300 P024	007	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
067	SPIRE SSW Ch17-20 . 18+		SSA.S -		S056	TS2CC-28	18	056-2			HSDCU	17	122300 P024	009	
078	SPIRE SSW Ch17-20 . 18-		SSA.S -		S056	TS2CC-28	18	056-2			HSDCU	17	122300 P024	028	
128	SPIRE SSW Ch17-20 . SHD18		SSA.S -		S056	TS2CC-28	18	056-2	CS-S056-2		HSDCU	17	122300 P024	027	
-															
076	SPIRE SSW Ch17-20 . 19+		SSA.S -		S056	TS2CC-28	19	056-3			HSDCU	17	122300 P024	011	
077	SPIRE SSW Ch17-20 . 19-		SSA.S -		S056	TS2CC-28	19	056-3			HSDCU	17	122300 P024	029	
128	SPIRE SSW Ch17-20 . SHD19		SSA.S -		S056	TS2CC-28	19	056-3	CS-S056-3		HSDCU	17	122300 P024	030	
-															
088	SPIRE SSW Ch17-20 . 20+		SSA.S -		S056	TS2CC-28	20	056-4			HSDCU	17	122300 P024	031	
089	SPIRE SSW Ch17-20 . 20-		SSA.S -		S056	TS2CC-28	20	056-4			HSDCU	17	122300 P024	012	
128	SPIRE SSW Ch17-20 . SHD20		SSA.S -		S056	TS2CC-28	20	056-4	CS-S056-4		HSDCU	17	122300 P024	013	
-															
099	SPIRE SSW Ch21-24 . 21+		SSA.S -		S058	TS2CC-28	21	058-1			HSDCU	17	122300 P024	014	
100	SPIRE SSW Ch21-24 . 21-		SSA.S -		S058	TS2CC-28	21	058-1			HSDCU	17	122300 P024	032	
128	SPIRE SSW Ch21-24 . SHD21		SSA.S -		S058	TS2CC-28	21	058-1	CS-S058-1		HSDCU	17	122300 P024	033	
-															
110	SPIRE SSW Ch21-24 . 22+		SSA.S -		S058	TS2CC-28	22	058-2			HSDCU	17	122300 P024	034	
111	SPIRE SSW Ch21-24 . 22-		SSA.S -		S058	TS2CC-28	22	058-2			HSDCU	17	122300 P024	015	
128	SPIRE SSW Ch21-24 . SHD22		SSA.S -		S058	TS2CC-28	22	058-2	CS-S058-2		HSDCU	17	122300 P024	016	
-															
118	SPIRE SSW Ch21-24 . 23+		SSA.S -		S058	TS2CC-28	23	058-3			HSDCU	17	122300 P024	017	
119	SPIRE SSW Ch21-24 . 23-		SSA.S -		S058	TS2CC-28	23	058-3			HSDCU	17	122300 P024	035	
128	SPIRE SSW Ch21-24 . SHD23		SSA.S -		S058	TS2CC-28	23	058-3	CS-S058-3		HSDCU	17	122300 P024	036	
-															
112	SPIRE SSW Ch21-24 . 24+		SSA.S -		S058	TS2CC-28	24	058-4			HSDCU	17	122300 P024	037	
120	SPIRE SSW Ch21-24 . 24-		SSA.S -		S058	TS2CC-28	24	058-4			HSDCU	17	122300 P024	018	
128	SPIRE SSW Ch21-24 . SHD24		SSA.S -		S058	TS2CC-28	24	058-4	CS-S058-4		HSDCU	17	122300 P024	019	
-															
128	SPIRE B02 GND Wire A2		SSX.S -		S422	T01C0-26					HSDCU	17	122300 P024	010	
-															
013	SPIRE SSW Ch25-28 . 25+		SSA.S -		S059	TS2CC-28	25	059-1			HSDCU	17	122300 P025	020	
012	SPIRE SSW Ch25-28 . 25-		SSA.S -		S059	TS2CC-28	25	059-1			HSDCU	17	122300 P025	002	
005	SPIRE SSW Ch25-28 . SHD25		SSA.S -		S059	TS2CC-28	25	059-1	CS-S059-1		HSDCU	17	122300 P025	001	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
021	SPIRE SSW Ch25-28 . 26+		SSA.S -		S059	TS2CC-28	26	059-2			HSDCU	17	122300 P025	003	
020	SPIRE SSW Ch25-28 . 26-		SSA.S -		S059	TS2CC-28	26	059-2			HSDCU	17	122300 P025	022	
005	SPIRE SSW Ch25-28 . SHD26		SSA.S -		S059	TS2CC-28	26	059-2	CS-S059-2		HSDCU	17	122300 P025	021	
-															
031	SPIRE SSW Ch25-28 . 27+		SSA.S -		S059	TS2CC-28	27	059-3			HSDCU	17	122300 P025	023	
043	SPIRE SSW Ch25-28 . 27-		SSA.S -		S059	TS2CC-28	27	059-3			HSDCU	17	122300 P025	005	
005	SPIRE SSW Ch25-28 . SHD27		SSA.S -		S059	TS2CC-28	27	059-3	CS-S059-3		HSDCU	17	122300 P025	004	
-															
042	SPIRE SSW Ch25-28 . 28+		SSA.S -		S059	TS2CC-28	28	059-4			HSDCU	17	122300 P025	006	
054	SPIRE SSW Ch25-28 . 28-		SSA.S -		S059	TS2CC-28	28	059-4			HSDCU	17	122300 P025	025	
005	SPIRE SSW Ch25-28 . SHD28		SSA.S -		S059	TS2CC-28	28	059-4	CS-S059-4		HSDCU	17	122300 P025	024	
-															
010	SPIRE SSW Ch29-32 . 29+		SSA.S -		S060	TS2CC-28	29	060-1			HSDCU	17	122300 P025	026	
011	SPIRE SSW Ch29-32 . 29-		SSA.S -		S060	TS2CC-28	29	060-1			HSDCU	17	122300 P025	008	
005	SPIRE SSW Ch29-32 . SHD29		SSA.S -		S060	TS2CC-28	29	060-1	CS-S060-1		HSDCU	17	122300 P025	007	
-															
019	SPIRE SSW Ch29-32 . 30+		SSA.S -		S060	TS2CC-28	30	060-2			HSDCU	17	122300 P025	009	
029	SPIRE SSW Ch29-32 . 30-		SSA.S -		S060	TS2CC-28	30	060-2			HSDCU	17	122300 P025	028	
005	SPIRE SSW Ch29-32 . SHD30		SSA.S -		S060	TS2CC-28	30	060-2	CS-S060-2		HSDCU	17	122300 P025	027	
-															
041	SPIRE SSW Ch29-32 . 31+		SSA.S -		S060	TS2CC-28	31	060-3			HSDCU	17	122300 P025	011	
030	SPIRE SSW Ch29-32 . 31-		SSA.S -		S060	TS2CC-28	31	060-3			HSDCU	17	122300 P025	029	
005	SPIRE SSW Ch29-32 . SHD31		SSA.S -		S060	TS2CC-28	31	060-3	CS-S060-3		HSDCU	17	122300 P025	030	
-															
053	SPIRE SSW Ch29-32 . 32+		SSA.S -		S060	TS2CC-28	32	060-4			HSDCU	17	122300 P025	031	
052	SPIRE SSW Ch29-32 . 32-		SSA.S -		S060	TS2CC-28	32	060-4			HSDCU	17	122300 P025	012	
005	SPIRE SSW Ch29-32 . SHD32		SSA.S -		S060	TS2CC-28	32	060-4	CS-S060-4		HSDCU	17	122300 P025	013	
-															
009	SPIRE SSW Ch33-36 . 33+		SSA.S -		S062	TS2CC-28	33	062-1			HSDCU	17	122300 P025	014	
017	SPIRE SSW Ch33-36 . 33-		SSA.S -		S062	TS2CC-28	33	062-1			HSDCU	17	122300 P025	032	
005	SPIRE SSW Ch33-36 . SHD33		SSA.S -		S062	TS2CC-28	33	062-1	CS-S062-1		HSDCU	17	122300 P025	033	
-															
018	SPIRE SSW Ch33-36 . 34+		SSA.S -		S062	TS2CC-28	34	062-2			HSDCU	17	122300 P025	034	
028	SPIRE SSW Ch33-36 . 34-		SSA.S -		S062	TS2CC-28	34	062-2			HSDCU	17	122300 P025	015	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
005	SPIRE SSW Ch33-36 . SHD34		SSA.S -		S062	TS2CC-28	34	062-2		CS-S062-2	HSDCU	17	122300 P025	016	
-															
016	SPIRE SSW Ch33-36 . 35+		SSA.S -		S062	TS2CC-28	35	062-3			HSDCU	17	122300 P025	017	
027	SPIRE SSW Ch33-36 . 35-		SSA.S -		S062	TS2CC-28	35	062-3			HSDCU	17	122300 P025	035	
005	SPIRE SSW Ch33-36 . SHD35		SSA.S -		S062	TS2CC-28	35	062-3		CS-S062-3	HSDCU	17	122300 P025	036	
-															
040	SPIRE SSW Ch33-36 . 36+		SSA.S -		S062	TS2CC-28	36	062-4			HSDCU	17	122300 P025	037	
039	SPIRE SSW Ch33-36 . 36-		SSA.S -		S062	TS2CC-28	36	062-4			HSDCU	17	122300 P025	018	
005	SPIRE SSW Ch33-36 . SHD36		SSA.S -		S062	TS2CC-28	36	062-4		CS-S062-4	HSDCU	17	122300 P025	019	
-															
026	SPIRE SSW Ch37-40 . 37+		SSA.S -		S063	TS2CC-28	37	063-1			HSDCU	17	122300 P026	020	
037	SPIRE SSW Ch37-40 . 37-		SSA.S -		S063	TS2CC-28	37	063-1			HSDCU	17	122300 P026	002	
036	SPIRE SSW Ch37-40 . SHD37		SSA.S -		S063	TS2CC-28	37	063-1		CS-S063-1	HSDCU	17	122300 P026	001	
-															
038	SPIRE SSW Ch37-40 . 38+		SSA.S -		S063	TS2CC-28	38	063-2			HSDCU	17	122300 P026	003	
049	SPIRE SSW Ch37-40 . 38-		SSA.S -		S063	TS2CC-28	38	063-2			HSDCU	17	122300 P026	022	
036	SPIRE SSW Ch37-40 . SHD38		SSA.S -		S063	TS2CC-28	38	063-2		CS-S063-2	HSDCU	17	122300 P026	021	
-															
048	SPIRE SSW Ch37-40 . 39+		SSA.S -		S063	TS2CC-28	39	063-3			HSDCU	17	122300 P026	023	
060	SPIRE SSW Ch37-40 . 39-		SSA.S -		S063	TS2CC-28	39	063-3			HSDCU	17	122300 P026	005	
036	SPIRE SSW Ch37-40 . SHD39		SSA.S -		S063	TS2CC-28	39	063-3		CS-S063-3	HSDCU	17	122300 P026	004	
-															
059	SPIRE SSW Ch37-40 . 40+		SSA.S -		S063	TS2CC-28	40	063-4			HSDCU	17	122300 P026	006	
071	SPIRE SSW Ch37-40 . 40-		SSA.S -		S063	TS2CC-28	40	063-4			HSDCU	17	122300 P026	025	
036	SPIRE SSW Ch37-40 . SHD40		SSA.S -		S063	TS2CC-28	40	063-4		CS-S063-4	HSDCU	17	122300 P026	024	
-															
050	SPIRE SSW Ch41-42 . 41+		SSA.S -		S064	TS2CC-28	41	064-1			HSDCU	17	122300 P026	026	
061	SPIRE SSW Ch41-42 . 41-		SSA.S -		S064	TS2CC-28	41	064-1			HSDCU	17	122300 P026	008	
036	SPIRE SSW Ch41-42 . SHD41		SSA.S -		S064	TS2CC-28	41	064-1		CS-S064-1	HSDCU	17	122300 P026	007	
-															
062	SPIRE SSW Ch41-42 . 42+		SSA.S -		S064	TS2CC-28	42	064-2			HSDCU	17	122300 P026	009	
051	SPIRE SSW Ch41-42 . 42-		SSA.S -		S064	TS2CC-28	42	064-2			HSDCU	17	122300 P026	028	
036	SPIRE SSW Ch41-42 . SHD42		SSA.S -		S064	TS2CC-28	42	064-2		CS-S064-2	HSDCU	17	122300 P026	027	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P005**Function / Bundle:** SPIRE SVM CB2 SIH-XS-02**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE B02 GND Wire A3		SSX.S	-	S423	T01C0-26					HSDCU	17	122300 P026	010	2S
-															
095	SPIRE SSW PTC Ch's . 1+		S3D.2	-	S053	TS2CC-28	43	053-1			HSSVMCB1	27	312100 P01A	001	
084	SPIRE SSW PTC Ch's . 1-		S3D.2	-	S053	TS2CC-28	43	053-1			HSSVMCB1	27	312100 P01A	006	
082	SPIRE SSW PTC Ch's . SHD43		S3D.2	-	S053	TS2CC-28	43	053-1	CS-053-1		HSSVMCB1	27	312100 P01A	002	
-															
096	SPIRE SSW PTC Ch's . 2+		S3D.2	-	S053	TS2CC-28	44	053-2			HSSVMCB1	27	312100 P01A	003	
085	SPIRE SSW PTC Ch's . 2-		S3D.2	-	S053	TS2CC-28	44	053-2			HSSVMCB1	27	312100 P01A	007	
082	SPIRE SSW PTC Ch's . SHD44		S3D.2	-	S053	TS2CC-28	44	053-2	CS-S053-2		HSSVMCB1	27	312100 P01A	008	
-															
106	SPIRE SSW PTC Ch's . 3+		S3D.2	-	S053	TS2CC-28	45	053-3			HSSVMCB1	27	312100 P01A	004	
107	SPIRE SSW PTC Ch's . 3-		S3D.2	-	S053	TS2CC-28	45	053-3			HSSVMCB1	27	312100 P01A	005	
082	SPIRE SSW PTC Ch's . SHD45		S3D.2	-	S053	TS2CC-28	45	053-3	CS-S053-3		HSSVMCB1	27	312100 P01A	008	
-															
001	to be con as part of FCR								Faraday Cage Ring (FCR)						
002	to be con as part of FCR								Faraday Cage Ring (FCR)						
003	to be con as part of FCR								Faraday Cage Ring (FCR)						
004	to be con as part of FCR								Faraday Cage Ring (FCR)						
006	to be con as part of FCR								Faraday Cage Ring (FCR)						
007	to be con as part of FCR								Faraday Cage Ring (FCR)						
008	to be con as part of FCR								Faraday Cage Ring (FCR)						
014	to be con as part of FCR								Faraday Cage Ring (FCR)						
015	to be con as part of FCR								Faraday Cage Ring (FCR)						
024	to be con as part of FCR								Faraday Cage Ring (FCR)						
025	to be con as part of FCR								Faraday Cage Ring (FCR)						
035	to be con as part of FCR								Faraday Cage Ring (FCR)						
093	to be con as part of FCR								Faraday Cage Ring (FCR)						
094	to be con as part of FCR								Faraday Cage Ring (FCR)						
104	to be con as part of FCR								Faraday Cage Ring (FCR)						
105	to be con as part of FCR								Faraday Cage Ring (FCR)						
114	to be con as part of FCR								Faraday Cage Ring (FCR)						
115	to be con as part of FCR								Faraday Cage Ring (FCR)						
121	to be con as part of FCR								Faraday Cage Ring (FCR)						

Pin Allocation List (Harness) **SPIRE**

Connector: 312200 P005
Item: HSSVMCB2

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

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	8 pins are NC									The following Pins are NC :					
-	-									;063 ;064 ;065 ;072 ;073 ;074 ;075 ;083					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P023

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SSW Ch01-04 . 1+		SSA.S -		S051	TS2CC-28	1	051-1			HSSVMCB2	27	312200 P005	090	
002	SPIRE SSW Ch01-04 . 1-		SSA.S -		S051	TS2CC-28	1	051-1			HSSVMCB2	27	312200 P005	079	
001	SPIRE SSW Ch01-04 . SHD01		SSA.S -		S051	TS2CC-28	1	051-1	CS-S051-1		HSSVMCB2	27	312200 P005	047	
-															
003	SPIRE SSW Ch01-04 . 2+		SSA.S -		S051	TS2CC-28	2	051-2			HSSVMCB2	27	312200 P005	102	
022	SPIRE SSW Ch01-04 . 2-		SSA.S -		S051	TS2CC-28	2	051-2			HSSVMCB2	27	312200 P005	101	
021	SPIRE SSW Ch01-04 . SHD02		SSA.S -		S051	TS2CC-28	2	051-2	CS-S051-2		HSSVMCB2	27	312200 P005	047	
-															
023	SPIRE SSW Ch01-04 . 3+		SSA.S -		S051	TS2CC-28	3	051-3			HSSVMCB2	27	312200 P005	092	
005	SPIRE SSW Ch01-04 . 3-		SSA.S -		S051	TS2CC-28	3	051-3			HSSVMCB2	27	312200 P005	091	
004	SPIRE SSW Ch01-04 . SHD03		SSA.S -		S051	TS2CC-28	3	051-3	CS-S051-3		HSSVMCB2	27	312200 P005	047	
-															
006	SPIRE SSW Ch01-04 . 4+		SSA.S -		S051	TS2CC-28	4	051-4			HSSVMCB2	27	312200 P005	103	
025	SPIRE SSW Ch01-04 . 4-		SSA.S -		S051	TS2CC-28	4	051-4			HSSVMCB2	27	312200 P005	113	
024	SPIRE SSW Ch01-04 . SHD04		SSA.S -		S051	TS2CC-28	4	051-4	CS-S051-4		HSSVMCB2	27	312200 P005	047	
-															
026	SPIRE SSW Ch05-08 . 5+		SSA.S -		S052	TS2CC-28	5	052-1			HSSVMCB2	27	312200 P005	058	
008	SPIRE SSW Ch05-08 . 5-		SSA.S -		S052	TS2CC-28	5	052-1			HSSVMCB2	27	312200 P005	046	
007	SPIRE SSW Ch05-08 . SHD05		SSA.S -		S052	TS2CC-28	5	052-1	CS-S052-1		HSSVMCB2	27	312200 P005	047	
-															
009	SPIRE SSW Ch05-08 . 6+		SSA.S -		S052	TS2CC-28	6	052-2			HSSVMCB2	27	312200 P005	068	
028	SPIRE SSW Ch05-08 . 6-		SSA.S -		S052	TS2CC-28	6	052-2			HSSVMCB2	27	312200 P005	057	
027	SPIRE SSW Ch05-08 . SHD06		SSA.S -		S052	TS2CC-28	6	052-2	CS-S052-2		HSSVMCB2	27	312200 P005	047	
-															
011	SPIRE SSW Ch05-08 . 7+		SSA.S -		S052	TS2CC-28	7	052-3			HSSVMCB2	27	312200 P005	069	
029	SPIRE SSW Ch05-08 . 7-		SSA.S -		S052	TS2CC-28	7	052-3			HSSVMCB2	27	312200 P005	080	
030	SPIRE SSW Ch05-08 . SHD07		SSA.S -		S052	TS2CC-28	7	052-3	CS-S052-3		HSSVMCB2	27	312200 P005	047	
-															
031	SPIRE SSW Ch05-08 . 8+		SSA.S -		S052	TS2CC-28	8	052-4			HSSVMCB2	27	312200 P005	070	
012	SPIRE SSW Ch05-08 . 8-		SSA.S -		S052	TS2CC-28	8	052-4			HSSVMCB2	27	312200 P005	081	
013	SPIRE SSW Ch05-08 . SHD08		SSA.S -		S052	TS2CC-28	8	052-4	CS-S052-4		HSSVMCB2	27	312200 P005	047	
-															
014	SPIRE SSW Ch09-12 . 9+		SSA.S -		S054	TS2CC-28	9	054-1			HSSVMCB2	27	312200 P005	023	
032	SPIRE SSW Ch09-12 . 9-		SSA.S -		S054	TS2CC-28	9	054-1			HSSVMCB2	27	312200 P005	034	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P023**Function / Bundle:** DCU JFS SSW SIH-XS-02**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SSW Ch09-12 . SHD09		SSA.S -		S054	TS2CC-28	9	054-1		CS-S054-1	HSSVMCB2	27	312200 P005	047	
-															
034	SPIRE SSW Ch09-12 . 10+		SSA.S -		S054	TS2CC-28	10	054-2			HSSVMCB2	27	312200 P005	033	
015	SPIRE SSW Ch09-12 . 10-		SSA.S -		S054	TS2CC-28	10	054-2			HSSVMCB2	27	312200 P005	045	
016	SPIRE SSW Ch09-12 . SHD10		SSA.S -		S054	TS2CC-28	10	054-2		CS-S054-2	HSSVMCB2	27	312200 P005	047	
-															
017	SPIRE SSW Ch09-12 . 11+		SSA.S -		S054	TS2CC-28	11	054-3			HSSVMCB2	27	312200 P005	044	
035	SPIRE SSW Ch09-12 . 11-		SSA.S -		S054	TS2CC-28	11	054-3			HSSVMCB2	27	312200 P005	056	
036	SPIRE SSW Ch09-12 . SHD11		SSA.S -		S054	TS2CC-28	11	054-3		CS-S054-3	HSSVMCB2	27	312200 P005	047	
-															
037	SPIRE SSW Ch09-12 . 12+		SSA.S -		S054	TS2CC-28	12	054-4			HSSVMCB2	27	312200 P005	022	
018	SPIRE SSW Ch09-12 . 12-		SSA.S -		S054	TS2CC-28	12	054-4			HSSVMCB2	27	312200 P005	032	
019	SPIRE SSW Ch09-12 . SHD12		SSA.S -		S054	TS2CC-28	12	054-4		CS-S054-4	HSSVMCB2	27	312200 P005	047	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	1 pin is NC									The following Pin is NC :					
-										;010					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P024

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SSW Ch13-16 . 13+		SSA.S -		S055	TS2CC-28	13	055-1			HSSVMCB2	27	312200 P005	086	
002	SPIRE SSW Ch13-16 . 13-		SSA.S -		S055	TS2CC-28	13	055-1			HSSVMCB2	27	312200 P005	087	
001	SPIRE SSW Ch13-16 . SHD13		SSA.S -		S055	TS2CC-28	13	055-1	CS-S055-1		HSSVMCB2	27	312200 P005	128	
-															
003	SPIRE SSW Ch13-16 . 14+		SSA.S -		S055	TS2CC-28	14	055-2			HSSVMCB2	27	312200 P005	097	
022	SPIRE SSW Ch13-16 . 14-		SSA.S -		S055	TS2CC-28	14	055-2			HSSVMCB2	27	312200 P005	098	
021	SPIRE SSW Ch13-16 . SHD14		SSA.S -		S055	TS2CC-28	14	055-2	CS-S055-2		HSSVMCB2	27	312200 P005	128	
-															
023	SPIRE SSW Ch13-16 . 15+		SSA.S -		S055	TS2CC-28	15	055-3			HSSVMCB2	27	312200 P005	108	
005	SPIRE SSW Ch13-16 . 15-		SSA.S -		S055	TS2CC-28	15	055-3			HSSVMCB2	27	312200 P005	109	
004	SPIRE SSW Ch13-16 . SHD15		SSA.S -		S055	TS2CC-28	15	055-3	CS-S055-3		HSSVMCB2	27	312200 P005	128	
-															
006	SPIRE SSW Ch13-16 . 16+		SSA.S -		S055	TS2CC-28	16	055-4			HSSVMCB2	27	312200 P005	116	
025	SPIRE SSW Ch13-16 . 16-		SSA.S -		S055	TS2CC-28	16	055-4			HSSVMCB2	27	312200 P005	117	
024	SPIRE SSW Ch13-16 . SHD16		SSA.S -		S055	TS2CC-28	16	055-4	CS-S055-4		HSSVMCB2	27	312200 P005	128	
-															
026	SPIRE SSW Ch17-20 . 17+		SSA.S -		S056	TS2CC-28	17	056-1			HSSVMCB2	27	312200 P005	055	
008	SPIRE SSW Ch17-20 . 17-		SSA.S -		S056	TS2CC-28	17	056-1			HSSVMCB2	27	312200 P005	066	
007	SPIRE SSW Ch17-20 . SHD17		SSA.S -		S056	TS2CC-28	17	056-1	CS-S056-1		HSSVMCB2	27	312200 P005	128	
-															
009	SPIRE SSW Ch17-20 . 18+		SSA.S -		S056	TS2CC-28	18	056-2			HSSVMCB2	27	312200 P005	067	
028	SPIRE SSW Ch17-20 . 18-		SSA.S -		S056	TS2CC-28	18	056-2			HSSVMCB2	27	312200 P005	078	
027	SPIRE SSW Ch17-20 . SHD18		SSA.S -		S056	TS2CC-28	18	056-2	CS-S056-2		HSSVMCB2	27	312200 P005	128	
-															
011	SPIRE SSW Ch17-20 . 19+		SSA.S -		S056	TS2CC-28	19	056-3			HSSVMCB2	27	312200 P005	076	
029	SPIRE SSW Ch17-20 . 19-		SSA.S -		S056	TS2CC-28	19	056-3			HSSVMCB2	27	312200 P005	077	
030	SPIRE SSW Ch17-20 . SHD19		SSA.S -		S056	TS2CC-28	19	056-3	CS-S056-3		HSSVMCB2	27	312200 P005	128	
-															
031	SPIRE SSW Ch17-20 . 20+		SSA.S -		S056	TS2CC-28	20	056-4			HSSVMCB2	27	312200 P005	088	
012	SPIRE SSW Ch17-20 . 20-		SSA.S -		S056	TS2CC-28	20	056-4			HSSVMCB2	27	312200 P005	089	
013	SPIRE SSW Ch17-20 . SHD20		SSA.S -		S056	TS2CC-28	20	056-4	CS-S056-4		HSSVMCB2	27	312200 P005	128	
-															
014	SPIRE SSW Ch21-24 . 21+		SSA.S -		S058	TS2CC-28	21	058-1			HSSVMCB2	27	312200 P005	099	
032	SPIRE SSW Ch21-24 . 21-		SSA.S -		S058	TS2CC-28	21	058-1			HSSVMCB2	27	312200 P005	100	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P024**Function / Bundle:** DCU JFS SSW SIH-XS-02**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SSW Ch21-24 . SHD21		SSA.S -		S058	TS2CC-28	21	058-1		CS-S058-1	HSSVMCB2	27	312200 P005	128	
-															
034	SPIRE SSW Ch21-24 . 22+		SSA.S -		S058	TS2CC-28	22	058-2			HSSVMCB2	27	312200 P005	110	
015	SPIRE SSW Ch21-24 . 22-		SSA.S -		S058	TS2CC-28	22	058-2			HSSVMCB2	27	312200 P005	111	
016	SPIRE SSW Ch21-24 . SHD22		SSA.S -		S058	TS2CC-28	22	058-2		CS-S058-2	HSSVMCB2	27	312200 P005	128	
-															
017	SPIRE SSW Ch21-24 . 23+		SSA.S -		S058	TS2CC-28	23	058-3			HSSVMCB2	27	312200 P005	118	
035	SPIRE SSW Ch21-24 . 23-		SSA.S -		S058	TS2CC-28	23	058-3			HSSVMCB2	27	312200 P005	119	
036	SPIRE SSW Ch21-24 . SHD23		SSA.S -		S058	TS2CC-28	23	058-3		CS-S058-3	HSSVMCB2	27	312200 P005	128	
-															
037	SPIRE SSW Ch21-24 . 24+		SSA.S -		S058	TS2CC-28	24	058-4			HSSVMCB2	27	312200 P005	112	
018	SPIRE SSW Ch21-24 . 24-		SSA.S -		S058	TS2CC-28	24	058-4			HSSVMCB2	27	312200 P005	120	
019	SPIRE SSW Ch21-24 . SHD24		SSA.S -		S058	TS2CC-28	24	058-4		CS-S058-4	HSSVMCB2	27	312200 P005	128	
-															
010	SPIRE B02 GND Wire A2		SSX.S -		S422	T01C0-26					HSSVMCB2	27	312200 P005	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P025

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSDCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SSW Ch25-28 . 25+		SSA.S -		S059	TS2CC-28	25	059-1			HSSVMCB2	27	312200 P005	013	
002	SPIRE SSW Ch25-28 . 25-		SSA.S -		S059	TS2CC-28	25	059-1			HSSVMCB2	27	312200 P005	012	
001	SPIRE SSW Ch25-28 . SHD25		SSA.S -		S059	TS2CC-28	25	059-1	CS-S059-1		HSSVMCB2	27	312200 P005	005	
-															
003	SPIRE SSW Ch25-28 . 26+		SSA.S -		S059	TS2CC-28	26	059-2			HSSVMCB2	27	312200 P005	021	
022	SPIRE SSW Ch25-28 . 26-		SSA.S -		S059	TS2CC-28	26	059-2			HSSVMCB2	27	312200 P005	020	
021	SPIRE SSW Ch25-28 . SHD26		SSA.S -		S059	TS2CC-28	26	059-2	CS-S059-2		HSSVMCB2	27	312200 P005	005	
-															
023	SPIRE SSW Ch25-28 . 27+		SSA.S -		S059	TS2CC-28	27	059-3			HSSVMCB2	27	312200 P005	031	
005	SPIRE SSW Ch25-28 . 27-		SSA.S -		S059	TS2CC-28	27	059-3			HSSVMCB2	27	312200 P005	043	
004	SPIRE SSW Ch25-28 . SHD27		SSA.S -		S059	TS2CC-28	27	059-3	CS-S059-3		HSSVMCB2	27	312200 P005	005	
-															
006	SPIRE SSW Ch25-28 . 28+		SSA.S -		S059	TS2CC-28	28	059-4			HSSVMCB2	27	312200 P005	042	
025	SPIRE SSW Ch25-28 . 28-		SSA.S -		S059	TS2CC-28	28	059-4			HSSVMCB2	27	312200 P005	054	
024	SPIRE SSW Ch25-28 . SHD28		SSA.S -		S059	TS2CC-28	28	059-4	CS-S059-4		HSSVMCB2	27	312200 P005	005	
-															
026	SPIRE SSW Ch29-32 . 29+		SSA.S -		S060	TS2CC-28	29	060-1			HSSVMCB2	27	312200 P005	010	
008	SPIRE SSW Ch29-32 . 29-		SSA.S -		S060	TS2CC-28	29	060-1			HSSVMCB2	27	312200 P005	011	
007	SPIRE SSW Ch29-32 . SHD29		SSA.S -		S060	TS2CC-28	29	060-1	CS-S060-1		HSSVMCB2	27	312200 P005	005	
-															
009	SPIRE SSW Ch29-32 . 30+		SSA.S -		S060	TS2CC-28	30	060-2			HSSVMCB2	27	312200 P005	019	
028	SPIRE SSW Ch29-32 . 30-		SSA.S -		S060	TS2CC-28	30	060-2			HSSVMCB2	27	312200 P005	029	
027	SPIRE SSW Ch29-32 . SHD30		SSA.S -		S060	TS2CC-28	30	060-2	CS-S060-2		HSSVMCB2	27	312200 P005	005	
-															
011	SPIRE SSW Ch29-32 . 31+		SSA.S -		S060	TS2CC-28	31	060-3			HSSVMCB2	27	312200 P005	041	
029	SPIRE SSW Ch29-32 . 31-		SSA.S -		S060	TS2CC-28	31	060-3			HSSVMCB2	27	312200 P005	030	
030	SPIRE SSW Ch29-32 . SHD31		SSA.S -		S060	TS2CC-28	31	060-3	CS-S060-3		HSSVMCB2	27	312200 P005	005	
-															
031	SPIRE SSW Ch29-32 . 32+		SSA.S -		S060	TS2CC-28	32	060-4			HSSVMCB2	27	312200 P005	053	
012	SPIRE SSW Ch29-32 . 32-		SSA.S -		S060	TS2CC-28	32	060-4			HSSVMCB2	27	312200 P005	052	
013	SPIRE SSW Ch29-32 . SHD32		SSA.S -		S060	TS2CC-28	32	060-4	CS-S060-4		HSSVMCB2	27	312200 P005	005	
-															
014	SPIRE SSW Ch33-36 . 33+		SSA.S -		S062	TS2CC-28	33	062-1			HSSVMCB2	27	312200 P005	009	
032	SPIRE SSW Ch33-36 . 33-		SSA.S -		S062	TS2CC-28	33	062-1			HSSVMCB2	27	312200 P005	017	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P025**Function / Bundle:** DCU JFS SSW SIH-XS-02**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SSW Ch33-36 . SHD33		SSA.S -		S062	TS2CC-28	33	062-1		CS-S062-1	HSSVMCB2	27	312200 P005	005	
-															
034	SPIRE SSW Ch33-36 . 34+		SSA.S -		S062	TS2CC-28	34	062-2			HSSVMCB2	27	312200 P005	018	
015	SPIRE SSW Ch33-36 . 34-		SSA.S -		S062	TS2CC-28	34	062-2			HSSVMCB2	27	312200 P005	028	
016	SPIRE SSW Ch33-36 . SHD34		SSA.S -		S062	TS2CC-28	34	062-2		CS-S062-2	HSSVMCB2	27	312200 P005	005	
-															
017	SPIRE SSW Ch33-36 . 35+		SSA.S -		S062	TS2CC-28	35	062-3			HSSVMCB2	27	312200 P005	016	
035	SPIRE SSW Ch33-36 . 35-		SSA.S -		S062	TS2CC-28	35	062-3			HSSVMCB2	27	312200 P005	027	
036	SPIRE SSW Ch33-36 . SHD35		SSA.S -		S062	TS2CC-28	35	062-3		CS-S062-3	HSSVMCB2	27	312200 P005	005	
-															
037	SPIRE SSW Ch33-36 . 36+		SSA.S -		S062	TS2CC-28	36	062-4			HSSVMCB2	27	312200 P005	040	
018	SPIRE SSW Ch33-36 . 36-		SSA.S -		S062	TS2CC-28	36	062-4			HSSVMCB2	27	312200 P005	039	
019	SPIRE SSW Ch33-36 . SHD36		SSA.S -		S062	TS2CC-28	36	062-4		CS-S062-4	HSSVMCB2	27	312200 P005	005	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	1 pin is NC									The following Pin is NC :					
-										;010					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P026**Function / Bundle:** DCU JFS SSW SIH-XS-02**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSDCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
020	SPIRE SSW Ch37-40 . 37+		SSA.S -		S063	TS2CC-28	37	063-1		HSSVMCB2	27	312200 P005	026	
002	SPIRE SSW Ch37-40 . 37-		SSA.S -		S063	TS2CC-28	37	063-1		HSSVMCB2	27	312200 P005	037	
001	SPIRE SSW Ch37-40 . SHD37		SSA.S -		S063	TS2CC-28	37	063-1	CS-S063-1	HSSVMCB2	27	312200 P005	036	
-														
003	SPIRE SSW Ch37-40 . 38+		SSA.S -		S063	TS2CC-28	38	063-2		HSSVMCB2	27	312200 P005	038	
022	SPIRE SSW Ch37-40 . 38-		SSA.S -		S063	TS2CC-28	38	063-2		HSSVMCB2	27	312200 P005	049	
021	SPIRE SSW Ch37-40 . SHD38		SSA.S -		S063	TS2CC-28	38	063-2	CS-S063-2	HSSVMCB2	27	312200 P005	036	
-														
023	SPIRE SSW Ch37-40 . 39+		SSA.S -		S063	TS2CC-28	39	063-3		HSSVMCB2	27	312200 P005	048	
005	SPIRE SSW Ch37-40 . 39-		SSA.S -		S063	TS2CC-28	39	063-3		HSSVMCB2	27	312200 P005	060	
004	SPIRE SSW Ch37-40 . SHD39		SSA.S -		S063	TS2CC-28	39	063-3	CS-S063-3	HSSVMCB2	27	312200 P005	036	
-														
006	SPIRE SSW Ch37-40 . 40+		SSA.S -		S063	TS2CC-28	40	063-4		HSSVMCB2	27	312200 P005	059	
025	SPIRE SSW Ch37-40 . 40-		SSA.S -		S063	TS2CC-28	40	063-4		HSSVMCB2	27	312200 P005	071	
024	SPIRE SSW Ch37-40 . SHD40		SSA.S -		S063	TS2CC-28	40	063-4	CS-S063-4	HSSVMCB2	27	312200 P005	036	
-														
026	SPIRE SSW Ch41-42 . 41+		SSA.S -		S064	TS2CC-28	41	064-1		HSSVMCB2	27	312200 P005	050	
008	SPIRE SSW Ch41-42 . 41-		SSA.S -		S064	TS2CC-28	41	064-1		HSSVMCB2	27	312200 P005	061	
007	SPIRE SSW Ch41-42 . SHD41		SSA.S -		S064	TS2CC-28	41	064-1	CS-S064-1	HSSVMCB2	27	312200 P005	036	
-														
009	SPIRE SSW Ch41-42 . 42+		SSA.S -		S064	TS2CC-28	42	064-2		HSSVMCB2	27	312200 P005	062	
028	SPIRE SSW Ch41-42 . 42-		SSA.S -		S064	TS2CC-28	42	064-2		HSSVMCB2	27	312200 P005	051	
027	SPIRE SSW Ch41-42 . SHD42		SSA.S -		S064	TS2CC-28	42	064-2	CS-S064-2	HSSVMCB2	27	312200 P005	036	
-														
010	SPIRE B02 GND Wire A3		SSX.S -		S423	T01C0-26			GND WIRE A3	HSSVMCB2	27	312200 P005	036	2S
-														
011	to be con to pin 029 via 15 kOhm		-											
029			-						con to pin 011 via 15 kOhm					
-														
031	to be con to pin 012 via 15 kOhm		-											
012			-						con to pin 031 via 15 kOhm					
-														
014	to be con to pin 032 via 15 kOhm		-											
032			-						con to pin 011 via 15 kOhm					

Pin Allocation List (Harness) **SPIRE**

Connector: 122300 P026
Item: HSDCU

Function / Bundle: DCU JFS SSW SIH-XS-02

Conn.-Type: 3401-00201B-DCMA-37S-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
034	to be con to pin 015 via 15 kOhm			-											
015				-						con to pin 034 via 15 kOhm					
-															
017	to be con to pin 035 via 15 kOhm			-											
035				-						con to pin 017 via 15 kOhm					
-															
037	to be con to pin 018 via 15 kOhm			-											
018				-						con to pin 037 via 15 kOhm					
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	6 pins are NC									The following Pins are NC :					
-										;013 ;016 ;019 ;030 ;033 ;036					

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P01A**Function / Bundle:** Spire Bundle 02/04 Link A SIH-XS-02**Conn.-Type:** 3401-00201B-DEMA-09S-NMB**Item:** HSSVMCB1**Backshell:** CA-04-09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SSW PTC Ch's . 1+	S3D.2	-		S053	TS2CC-28	43	053-1			HSSVMCB2	27	312200 P005	095	
006	SPIRE SSW PTC Ch's . 1-	S3D.2	-		S053	TS2CC-28	43	053-1			HSSVMCB2	27	312200 P005	084	
002	SPIRE SSW PTC Ch's . SHD43	S3D.2	-		S053	TS2CC-28	43	053-1	CS-S053-1		HSSVMCB2	27	312200 P005	082	
-															
003	SPIRE SSW PTC Ch's . 2+	S3D.2	-		S053	TS2CC-28	44	053-2			HSSVMCB2	27	312200 P005	096	
007	SPIRE SSW PTC Ch's . 2-	S3D.2	-		S053	TS2CC-28	44	053-2			HSSVMCB2	27	312200 P005	085	
008	SPIRE SSW PTC Ch's . SHD44	S3D.2	-		S053	TS2CC-28	44	053-2	CS-S053-2		HSSVMCB2	27	312200 P005	082	
-															
004	SPIRE SSW PTC Ch's . 3+	S3D.2	-		S053	TS2CC-28	45	053-3			HSSVMCB2	27	312200 P005	106	
005	SPIRE SSW PTC Ch's . 3-	S3D.2	-		S053	TS2CC-28	45	053-3			HSSVMCB2	27	312200 P005	107	
008	SPIRE SSW PTC Ch's . SHD45	S3D.2	-		S053	TS2CC-28	45	053-3	CS-S053-3		HSSVMCB2	27	312200 P005	082	
-															
008	Shield Interconnection Star Pin								Star Pin for Shield Intercon						
002	to be con to pin 008														
-															
009	to be con as part of FCR (single pin !)								Faraday Cage Ring (FCR) (single pin !)						
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW_JFETV1_A . A+		SPL.S -		S176	TS2CC-28	1				HSDCU	17	122300 P029	001	
037	SPIRE PSW_JFETV1_A . A-		SPL.S -		S176	TS2CC-28	1				HSDCU	17	122300 P029	002	
036	SPIRE PSW_JFETV1_A . SHD01		SPL.S -		S176	TS2CC-28	1		CS-S176		HSDCU	17	122300 P029	021	
-															
038	SPIRE PSW_JFETV2_A . A+		SPL.S -		S177	TS2CC-28	2				HSDCU	17	122300 P029	003	
049	SPIRE PSW_JFETV2_A . A-		SPL.S -		S177	TS2CC-28	2				HSDCU	17	122300 P029	023	
036	SPIRE PSW_JFETV2_A . SHD02		SPL.S -		S177	TS2CC-28	2		CS-S177		HSDCU	17	122300 P029	022	
-															
048	SPIRE PSW_JFETV3_A . A+		SPL.S -		S178	TS2CC-28	3				HSDCU	17	122300 P029	004	
060	SPIRE PSW_JFETV3_A . A-		SPL.S -		S178	TS2CC-28	3				HSDCU	17	122300 P029	005	
036	SPIRE PSW_JFETV3_A . SHD03		SPL.S -		S178	TS2CC-28	3		CS-S178		HSDCU	17	122300 P029	024	
-															
059	SPIRE PSW_JFETV4_A . A+		SPL.S -		S179	TS2CC-28	4				HSDCU	17	122300 P029	041	
071	SPIRE PSW_JFETV4_A . A-		SPL.S -		S179	TS2CC-28	4				HSDCU	17	122300 P029	060	
036	SPIRE PSW_JFETV4_A . SHD04		SPL.S -		S179	TS2CC-28	4		CS-S179		HSDCU	17	122300 P029	040	
-															
050	SPIRE PSW_JFETV5_A . A+		SPL.S -		S180	TS2CC-28	5				HSDCU	17	122300 P029	061	
061	SPIRE PSW_JFETV5_A . A-		SPL.S -		S180	TS2CC-28	5				HSDCU	17	122300 P029	062	
036	SPIRE PSW_JFETV5_A . SHD05		SPL.S -		S180	TS2CC-28	5		CS-S180		HSDCU	17	122300 P029	042	
-															
062	SPIRE PSW_JFETV6_A . A+		SPL.S -		S181	TS2CC-28	6				HSDCU	17	122300 P029	063	
051	SPIRE PSW_JFETV6_A . A-		SPL.S -		S181	TS2CC-28	6				HSDCU	17	122300 P029	044	
036	SPIRE PSW_JFETV6_A . SHD06		SPL.S -		S181	TS2CC-28	6		CS-S181		HSDCU	17	122300 P029	043	
-															
063	SPIRE PSW_Bias1/2_A . A+		SPK.S -		S183	TS2CC-28	7				HSDCU	17	122300 P029	006	
075	SPIRE PSW_Bias1/2_A . A-		SPK.S -		S183	TS2CC-28	7				HSDCU	17	122300 P029	026	
036	SPIRE PSW_Bias1/2_A . SHD07		SPK.S -		S183	TS2CC-28	7		CS-S183		HSDCU	17	122300 P029	025	
-															
074	SPIRE PSW_Bias3/4_A . A+		SPK.S -		S184	TS2CC-28	8				HSDCU	17	122300 P029	065	
073	SPIRE PSW_Bias3/4_A . A-		SPK.S -		S184	TS2CC-28	8				HSDCU	17	122300 P029	064	
036	SPIRE PSW_Bias3/4_A . SHD08		SPK.S -		S184	TS2CC-28	8		CS-S184		HSDCU	17	122300 P029	045	
-															
083	SPIRE PSW_Bias5/6_A . A+		SPK.S -		S185	TS2CC-28	9				HSDCU	17	122300 P029	047	
072	SPIRE PSW_Bias5/6_A . A-		SPK.S -		S185	TS2CC-28	9				HSDCU	17	122300 P029	066	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW_Bias5/6_A . SHD09		SPK.S -		S185	TS2CC-28	9			CS-S185	HSDCU	17	122300 P029	046	
-															
036	SPIRE PSW_JFETV GND A1		SPX.S -		S431	T01C0-26					HSDCU	17	122300 P029	027	
-															
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	
-															
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	
-															
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	
-															
086	SPIRE PMW_JFETV1_A . A+		SPH.S -		S190	TS2CC-28	13				HSDCU	17	122300 P029	010	
087	SPIRE PMW_JFETV1_A . A-		SPH.S -		S190	TS2CC-28	13				HSDCU	17	122300 P029	011	
064	SPIRE PMW_JFETV1_A . SHD13		SPH.S -		S190	TS2CC-28	13			CS-S190	HSDCU	17	122300 P029	030	
-															
097	SPIRE PMW_JFETV2_A . A+		SPH.S -		S191	TS2CC-28	14				HSDCU	17	122300 P029	012	
098	SPIRE PMW_JFETV2_A . A-		SPH.S -		S191	TS2CC-28	14				HSDCU	17	122300 P029	031	
064	SPIRE PMW_JFETV2_A . SHD14		SPH.S -		S191	TS2CC-28	14			CS-S191	HSDCU	17	122300 P029	032	
-															
108	SPIRE PMW_JFETV3_A . A+		SPH.S -		S192	TS2CC-28	15				HSDCU	17	122300 P029	069	
109	SPIRE PMW_JFETV3_A . A-		SPH.S -		S192	TS2CC-28	15				HSDCU	17	122300 P029	070	
064	SPIRE PMW_JFETV3_A . SHD15		SPH.S -		S192	TS2CC-28	15			CS-S192	HSDCU	17	122300 P029	050	
-															
116	SPIRE PMW_JFETV4_A . A+		SPH.S -		S193	TS2CC-28	16				HSDCU	17	122300 P029	071	
117	SPIRE PMW_JFETV4_A . A-		SPH.S -		S193	TS2CC-28	16				HSDCU	17	122300 P029	052	
064	SPIRE PMW_JFETV4_A . SHD16		SPH.S -		S193	TS2CC-28	16			CS-S193	HSDCU	17	122300 P029	051	
-															
076	SPIRE PMW_Bias1/2_A . A+		SPG.S -		S194	TS2CC-28	17				HSDCU	17	122300 P029	014	
077	SPIRE PMW_Bias1/2_A . A-		SPG.S -		S194	TS2CC-28	17				HSDCU	17	122300 P029	013	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
064	SPIRE PMW_Bias1/2_A . SHD17		SPG.S	-	S194	TS2CC-28	17			CS-S194	HSDCU	17	122300 P029	033	
-															
088	SPIRE PMW_Bias3/4_A . A+		SPG.S	-	S195	TS2CC-28	18				HSDCU	17	122300 P029	073	
089	SPIRE PMW_Bias3/4_A . A-		SPG.S	-	S195	TS2CC-28	18				HSDCU	17	122300 P029	072	
064	SPIRE PMW_Bias3/4_A . SHD18		SPG.S	-	S195	TS2CC-28	18			CS-S195	HSDCU	17	122300 P029	053	
-															
064	SPIRE PMW_GND A2		SPX.S	-	S435	T01C0-26					HSDCU	17	122300 P029	034	
-															
103	SPIRE PMW_Heater_A1 . A1+		SPJ.S	-	S197	TS2CC-28	19				HSDCU	17	122300 P029	016	
113	SPIRE PMW_Heater_A1 . A1-		SPJ.S	-	S197	TS2CC-28	19				HSDCU	17	122300 P029	015	
114	SPIRE PMW_Heater_A1 . SHD19		SPJ.S	-	S197	TS2CC-28	19			CS-S197	HSDCU	17	122300 P029	CH	
-															
102	SPIRE PMW_Heater_A2 . A2+		SPJ.S	-	S198	TS2CC-28	20				HSDCU	17	122300 P029	054	
101	SPIRE PMW_Heater_A2 . A2-		SPJ.S	-	S198	TS2CC-28	20				HSDCU	17	122300 P029	074	
114	SPIRE PMW_Heater_A2 . SHD20		SPJ.S	-	S198	TS2CC-28	20			CS-S198	HSDCU	17	122300 P029	CH	
-															
092	SPIRE PLW_Heater_A . A+		SPF.S	-	S199	TS2CC-28	21				HSDCU	17	122300 P029	020	
104	SPIRE PLW_Heater_A . A-		SPF.S	-	S199	TS2CC-28	21				HSDCU	17	122300 P029	039	
114	SPIRE PLW_Heater_A . SHD21		SPF.S	-	S199	TS2CC-28	21			CS-S199	HSDCU	17	122300 P029	CH	
-															
099	SPIRE PLW_JFETV1_A . A+		SPE.S	-	S200	TS2CC-28	22				HSDCU	17	122300 P029	036	
100	SPIRE PLW_JFETV1_A . A-		SPE.S	-	S200	TS2CC-28	22				HSDCU	17	122300 P029	017	
128	SPIRE PLW_JFETV1_A . SHD22		SPE.S	-	S200	TS2CC-28	22			CS-S200	HSDCU	17	122300 P029	037	
-															
110	SPIRE PLW_JFETV2_A . A+		SPE.S	-	S201	TS2CC-28	23				HSDCU	17	122300 P029	018	
111	SPIRE PLW_JFETV2_A . A-		SPE.S	-	S201	TS2CC-28	23				HSDCU	17	122300 P029	019	
128	SPIRE PLW_JFETV2_A . SHD23		SPE.S	-	S201	TS2CC-28	23			CS-S201	HSDCU	17	122300 P029	038	
-															
118	SPIRE PLW_Bias1_A . A+		SPD.S	-	S202	TS2CC-28	24				HSDCU	17	122300 P029	075	
119	SPIRE PLW_Bias1_A . A-		SPD.S	-	S202	TS2CC-28	24				HSDCU	17	122300 P029	076	
128	SPIRE PLW_Bias1_A . SHD24		SPD.S	-	S202	TS2CC-28	24			CS-S202	HSDCU	17	122300 P029	056	
-															
112	SPIRE PLW_Bias2_A . A+		SPD.S	-	S203	TS2CC-28	25				HSDCU	17	122300 P029	077	
120	SPIRE PLW_Bias2_A . A-		SPD.S	-	S203	TS2CC-28	25				HSDCU	17	122300 P029	057	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PLW_Bias2_A . SHD25		SPD.S	-	S203	TS2CC-28	25			CS-S203	HSDCU	17	122300 P029	058	
-															
128	SPIRE PLW_GND C2		SPX.S	-	S437	T01C0-26					HSDCU	17	122300 P029	078	
-															
042	SPIRE PSW_JFETV1_B . B+		SPL.S	-	S205	TS2CC-28	26				HSDCU	17	122300 P030	001	
054	SPIRE PSW_JFETV1_B . B-		SPL.S	-	S205	TS2CC-28	26				HSDCU	17	122300 P030	002	
001	SPIRE PSW_JFETV1_B . SHD26		SPL.S	-	S205	TS2CC-28	26			CS-S205	HSDCU	17	122300 P030	021	
-															
053	SPIRE PSW_JFETV2_B . B+		SPL.S	-	S206	TS2CC-28	27				HSDCU	17	122300 P030	003	
052	SPIRE PSW_JFETV2_B . B-		SPL.S	-	S206	TS2CC-28	27				HSDCU	17	122300 P030	023	
001	SPIRE PSW_JFETV2_B . SHD27		SPL.S	-	S206	TS2CC-28	27			CS-S206	HSDCU	17	122300 P030	022	
-															
041	SPIRE PSW_JFETV3_B . B+		SPL.S	-	S207	TS2CC-28	28				HSDCU	17	122300 P030	004	
030	SPIRE PSW_JFETV3_B . B-		SPL.S	-	S207	TS2CC-28	28				HSDCU	17	122300 P030	005	
001	SPIRE PSW_JFETV3_B . SHD28		SPL.S	-	S207	TS2CC-28	28			CS-S207	HSDCU	17	122300 P030	024	
-															
010	SPIRE PSW_JFETV4_B . B+		SPL.S	-	S208	TS2CC-28	29				HSDCU	17	122300 P030	041	
011	SPIRE PSW_JFETV4_B . B-		SPL.S	-	S208	TS2CC-28	29				HSDCU	17	122300 P030	060	
001	SPIRE PSW_JFETV4_B . SHD29		SPL.S	-	S208	TS2CC-28	29			CS-S208	HSDCU	17	122300 P030	040	
-															
019	SPIRE PSW_JFETV5_B . B+		SPL.S	-	S209	TS2CC-28	30				HSDCU	17	122300 P030	061	
029	SPIRE PSW_JFETV5_B . B-		SPL.S	-	S209	TS2CC-28	30				HSDCU	17	122300 P030	062	
001	SPIRE PSW_JFETV5_B . SHD30		SPL.S	-	S209	TS2CC-28	30			CS-S209	HSDCU	17	122300 P030	042	
-															
016	SPIRE PSW_JFETV6_B . B+		SPL.S	-	S210	TS2CC-28	31				HSDCU	17	122300 P030	063	
027	SPIRE PSW_JFETV6_B . B-		SPL.S	-	S210	TS2CC-28	31				HSDCU	17	122300 P030	044	
001	SPIRE PSW_JFETV6_B . SHD31		SPL.S	-	S210	TS2CC-28	31			CS-S210	HSDCU	17	122300 P030	043	
-															
040	SPIRE PSW_Bias1/2_B . B+		SPK.S	-	S212	TS2CC-28	32				HSDCU	17	122300 P030	006	
039	SPIRE PSW_Bias1/2_B . B-		SPK.S	-	S212	TS2CC-28	32				HSDCU	17	122300 P030	026	
001	SPIRE PSW_Bias1/2_B . SHD32		SPK.S	-	S212	TS2CC-28	32			CS-S212	HSDCU	17	122300 P030	025	
-															
018	SPIRE PSW_Bias3/4_B . B+		SPK.S	-	S213	TS2CC-28	33				HSDCU	17	122300 P030	065	
028	SPIRE PSW_Bias3/4_B . B-		SPK.S	-	S213	TS2CC-28	33				HSDCU	17	122300 P030	064	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW_Bias3/4_B . SHD33		SPK.S -		S213	TS2CC-28	33			CS-S213	HSDCU	17	122300 P030	045	
-															
009	SPIRE PSW_Bias5/6_B . B+		SPK.S -		S214	TS2CC-28	34				HSDCU	17	122300 P030	047	
017	SPIRE PSW_Bias5/6_B . B-		SPK.S -		S214	TS2CC-28	34				HSDCU	17	122300 P030	066	
001	SPIRE PSW_Bias5/6_B . SHD34		SPK.S -		S214	TS2CC-28	34			CS-S214	HSDCU	17	122300 P030	046	
-															
001	SPIRE PSW_JFETV_GND A3		SPX.S -		S433	T01C0-26					HSDCU	17	122300 P030	027	
-															
013	SPIRE PSW_Heater_B1 . B1+		SPM.S -		S215	TS2CC-28	35				HSDCU	17	122300 P030	008	
012	SPIRE PSW_Heater_B1 . B1-		SPM.S -		S215	TS2CC-28	35				HSDCU	17	122300 P030	009	
005	SPIRE PSW_Heater_B1 . SHD35		SPM.S -		S215	TS2CC-28	35			CS-S215	HSDCU	17	122300 P030	CH	
-															
021	SPIRE PSW_Heater_B2 . B2+		SPM.S -		S216	TS2CC-28	36				HSDCU	17	122300 P030	029	
020	SPIRE PSW_Heater_B2 . B2-		SPM.S -		S216	TS2CC-28	36				HSDCU	17	122300 P030	049	
005	SPIRE PSW_Heater_B2 . SHD36		SPM.S -		S216	TS2CC-28	36			CS-S216	HSDCU	17	122300 P030	CH	
-															
031	SPIRE PSW_Heater_B3 . B3+		SPM.S -		S217	TS2CC-28	37				HSDCU	17	122300 P030	068	
043	SPIRE PSW_Heater_B3 . B3-		SPM.S -		S217	TS2CC-28	37				HSDCU	17	122300 P030	067	
005	SPIRE PSW_Heater_B3 . SHD37		SPM.S -		S217	TS2CC-28	37			CS-S217	HSDCU	17	122300 P030	CH	
-															
007	SPIRE PMW_JFETV1_B . B+		SPH.S -		S219	TS2CC-28	38				HSDCU	17	122300 P030	010	
014	SPIRE PMW_JFETV1_B . B-		SPH.S -		S219	TS2CC-28	38				HSDCU	17	122300 P030	011	
006	SPIRE PMW_JFETV1_B . SHD38		SPH.S -		S219	TS2CC-28	38			CS-S219	HSDCU	17	122300 P030	030	
-															
024	SPIRE PMW_JFETV2_B . B+		SPH.S -		S220	TS2CC-28	39				HSDCU	17	122300 P030	012	
035	SPIRE PMW_JFETV2_B . B-		SPH.S -		S220	TS2CC-28	39				HSDCU	17	122300 P030	031	
006	SPIRE PMW_JFETV2_B . SHD39		SPH.S -		S220	TS2CC-28	39			CS-S220	HSDCU	17	122300 P030	032	
-															
023	SPIRE PMW_JFETV3_B . B+		SPH.S -		S221	TS2CC-28	40				HSDCU	17	122300 P030	069	
034	SPIRE PMW_JFETV3_B . B-		SPH.S -		S221	TS2CC-28	40				HSDCU	17	122300 P030	070	
006	SPIRE PMW_JFETV3_B . SHD40		SPH.S -		S221	TS2CC-28	40			CS-S221	HSDCU	17	122300 P030	050	
-															
033	SPIRE PMW_JFETV4_B . B+		SPH.S -		S222	TS2CC-28	41				HSDCU	17	122300 P030	071	
045	SPIRE PMW_JFETV4_B . B-		SPH.S -		S222	TS2CC-28	41				HSDCU	17	122300 P030	052	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
006	SPIRE PMW_JFETV4_B . SHD41		SPH.S	-	S222	TS2CC-28	41			CS-S222	HSDCU	17	122300 P030	051	
-															
044	SPIRE PMW_Bias1/2_B . B+		SPG.S	-	S223	TS2CC-28	42				HSDCU	17	122300 P030	014	
056	SPIRE PMW_Bias1/2_B . B-		SPG.S	-	S223	TS2CC-28	42				HSDCU	17	122300 P030	013	
006	SPIRE PMW_Bias1/2_B . SHD42		SPG.S	-	S223	TS2CC-28	42			CS-S223	HSDCU	17	122300 P030	033	
-															
022	SPIRE PMW_Bias3/4_B . B+		SPG.S	-	S224	TS2CC-28	43				HSDCU	17	122300 P030	073	
032	SPIRE PMW_Bias3/4_B . B-		SPG.S	-	S224	TS2CC-28	43				HSDCU	17	122300 P030	072	
006	SPIRE PMW_Bias3/4_B . SHD43		SPG.S	-	S224	TS2CC-28	43			CS-S224	HSDCU	17	122300 P030	053	
-															
006	SPIRE PMW_GND A4		SPX.S	-	S438	T01C0-26					HSDCU	17	122300 P030	034	
-															
055	SPIRE PMW_Heater_B1 . B1+		SPJ.S	-	S226	TS2CC-28	44				HSDCU	17	122300 P030	016	
066	SPIRE PMW_Heater_B1 . B1-		SPJ.S	-	S226	TS2CC-28	44				HSDCU	17	122300 P030	015	
065	SPIRE PMW_Heater_B1 . SHD44		SPJ.S	-	S226	TS2CC-28	44			CS-S226	HSDCU	17	122300 P030	CH	
-															
067	SPIRE PMW_Heater_B2 . B2+		SPJ.S	-	S227	TS2CC-28	45				HSDCU	17	122300 P030	054	
078	SPIRE PMW_Heater_B2 . B2-		SPJ.S	-	S227	TS2CC-28	45				HSDCU	17	122300 P030	074	
065	SPIRE PMW_Heater_B2 . SHD45		SPJ.S	-	S227	TS2CC-28	45			CS-S227	HSDCU	17	122300 P030	CH	
-															
090	SPIRE PLW_Heater_B . B+		SPF.S	-	S228	TS2CC-28	46				HSDCU	17	122300 P030	020	
079	SPIRE PLW_Heater_B . B-		SPF.S	-	S228	TS2CC-28	46				HSDCU	17	122300 P030	039	
065	SPIRE PLW_Heater_B . SHD46		SPF.S	-	S228	TS2CC-28	46			CS-S228	HSDCU	17	122300 P030	CH	
-															
070	SPIRE PLW_JFETV1_B . B+		SPE.S	-	S229	TS2CC-28	47				HSDCU	17	122300 P030	036	
081	SPIRE PLW_JFETV1_B . B-		SPE.S	-	S229	TS2CC-28	47				HSDCU	17	122300 P030	017	
091	SPIRE PLW_JFETV1_B . SHD47		SPE.S	-	S229	TS2CC-28	47			CS-S229	HSDCU	17	122300 P030	037	
-															
069	SPIRE PLW_JFETV2_B . B+		SPE.S	-	S230	TS2CC-28	48				HSDCU	17	122300 P030	018	
080	SPIRE PLW_JFETV2_B . B-		SPE.S	-	S230	TS2CC-28	48				HSDCU	17	122300 P030	019	
091	SPIRE PLW_JFETV2_B . SHD48		SPE.S	-	S230	TS2CC-28	48			CS-S230	HSDCU	17	122300 P030	038	
-															
068	SPIRE PLW_Bias1_B . B+		SPD.S	-	S231	TS2CC-28	49				HSDCU	17	122300 P030	075	
057	SPIRE PLW_Bias1_B . B-		SPD.S	-	S231	TS2CC-28	49				HSDCU	17	122300 P030	076	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P004**Function / Bundle:** SPIRE SVM CB1 SIH-XS-03**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
091	SPIRE PLW_Bias1_B . SHD49		SPD.S	-	S231	TS2CC-28	49			CS-S231	HSDCU	17	122300 P030	056	
-															
058	SPIRE PLW_Bias2_B . B+		SPD.S	-	S232	TS2CC-28	50				HSDCU	17	122300 P030	077	
046	SPIRE PLW_Bias2_B . B-		SPD.S	-	S232	TS2CC-28	50				HSDCU	17	122300 P030	057	
091	SPIRE PLW_Bias2_B . SHD50		SPD.S	-	S232	TS2CC-28	50			CS-S232	HSDCU	17	122300 P030	058	
-															
091	SPIRE PLW_GND C4		SPX.S	-	S440	T01C0-26				GND WIRE C4	HSDCU	17	122300 P030	078	2S
-															
002	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
003	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
004	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
005	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
008	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
015	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
025	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
047	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
065	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
082	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
093	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
094	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
105	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
114	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
115	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
121	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
122	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
123	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
124	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
125	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
126	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
127	to be con as part of FCR			-						Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH	<h1>Pin Allocation List</h1> <p>(Harness)</p> <p>SPIRE</p>	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 435 (of 599)

Connector: 312100 P004
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P029**Function / Bundle:** DCU Phot. Bias Prime SIH-XS-03**Conn.-Type:** 3401-00202B-DDMA-78P-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW_JFETV1_A . A+		SPL.S -		S176	TS2CC-28	1				HSSVMCB1	27	312100 P004	026	
002	SPIRE PSW_JFETV1_A . A-		SPL.S -		S176	TS2CC-28	1				HSSVMCB1	27	312100 P004	037	
021	SPIRE PSW_JFETV1_A . SHD01		SPL.S -		S176	TS2CC-28	1		CS-S176		HSSVMCB1	27	312100 P004	036	
-															
003	SPIRE PSW_JFETV2_A . A+		SPL.S -		S177	TS2CC-28	2				HSSVMCB1	27	312100 P004	038	
023	SPIRE PSW_JFETV2_A . A-		SPL.S -		S177	TS2CC-28	2				HSSVMCB1	27	312100 P004	049	
022	SPIRE PSW_JFETV2_A . SHD02		SPL.S -		S177	TS2CC-28	2		CS-S177		HSSVMCB1	27	312100 P004	036	
-															
004	SPIRE PSW_JFETV3_A . A+		SPL.S -		S178	TS2CC-28	3				HSSVMCB1	27	312100 P004	048	
005	SPIRE PSW_JFETV3_A . A-		SPL.S -		S178	TS2CC-28	3				HSSVMCB1	27	312100 P004	060	
024	SPIRE PSW_JFETV3_A . SHD03		SPL.S -		S178	TS2CC-28	3		CS-S178		HSSVMCB1	27	312100 P004	036	
-															
041	SPIRE PSW_JFETV4_A . A+		SPL.S -		S179	TS2CC-28	4				HSSVMCB1	27	312100 P004	059	
060	SPIRE PSW_JFETV4_A . A-		SPL.S -		S179	TS2CC-28	4				HSSVMCB1	27	312100 P004	071	
040	SPIRE PSW_JFETV4_A . SHD04		SPL.S -		S179	TS2CC-28	4		CS-S179		HSSVMCB1	27	312100 P004	036	
-															
061	SPIRE PSW_JFETV5_A . A+		SPL.S -		S180	TS2CC-28	5				HSSVMCB1	27	312100 P004	050	
062	SPIRE PSW_JFETV5_A . A-		SPL.S -		S180	TS2CC-28	5				HSSVMCB1	27	312100 P004	061	
042	SPIRE PSW_JFETV5_A . SHD05		SPL.S -		S180	TS2CC-28	5		CS-S180		HSSVMCB1	27	312100 P004	036	
-															
063	SPIRE PSW_JFETV6_A . A+		SPL.S -		S181	TS2CC-28	6				HSSVMCB1	27	312100 P004	062	
044	SPIRE PSW_JFETV6_A . A-		SPL.S -		S181	TS2CC-28	6				HSSVMCB1	27	312100 P004	051	
043	SPIRE PSW_JFETV6_A . SHD06		SPL.S -		S181	TS2CC-28	6		CS-S181		HSSVMCB1	27	312100 P004	036	
-															
006	SPIRE PSW_Bias1/2_A . A+		SPK.S -		S183	TS2CC-28	7				HSSVMCB1	27	312100 P004	063	
026	SPIRE PSW_Bias1/2_A . A-		SPK.S -		S183	TS2CC-28	7				HSSVMCB1	27	312100 P004	075	
025	SPIRE PSW_Bias1/2_A . SHD07		SPK.S -		S183	TS2CC-28	7		CS-S183		HSSVMCB1	27	312100 P004	036	
-															
065	SPIRE PSW_Bias3/4_A . A+		SPK.S -		S184	TS2CC-28	8				HSSVMCB1	27	312100 P004	074	
064	SPIRE PSW_Bias3/4_A . A-		SPK.S -		S184	TS2CC-28	8				HSSVMCB1	27	312100 P004	073	
045	SPIRE PSW_Bias3/4_A . SHD08		SPK.S -		S184	TS2CC-28	8		CS-S184		HSSVMCB1	27	312100 P004	036	
-															
047	SPIRE PSW_Bias5/6_A . A+		SPK.S -		S185	TS2CC-28	9				HSSVMCB1	27	312100 P004	083	
066	SPIRE PSW_Bias5/6_A . A-		SPK.S -		S185	TS2CC-28	9				HSSVMCB1	27	312100 P004	072	

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P029**Function / Bundle:** DCU Phot. Bias Prime SIH-XS-03**Conn.-Type:** 3401-00202B-DDMA-78P-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE PSW_Bias5/6_A . SHD09		SPK.S -		S185	TS2CC-28	9			CS-S185	HSSVMCB1	27	312100 P004	036	
-															
027	SPIRE PSW_JFETV GND A1		SPX.S -		S431	T01C0-26					HSSVMCB1	27	312100 P004	036	
-															
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	
-															
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	
-															
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	
-															
010	SPIRE PMW_JFETV1_A . A+		SPH.S -		S190	TS2CC-28	13				HSSVMCB1	27	312100 P004	086	
011	SPIRE PMW_JFETV1_A . A-		SPH.S -		S190	TS2CC-28	13				HSSVMCB1	27	312100 P004	087	
030	SPIRE PMW_JFETV1_A . SHD13		SPH.S -		S190	TS2CC-28	13			CS-S190	HSSVMCB1	27	312100 P004	064	
-															
012	SPIRE PMW_JFETV2_A . A+		SPH.S -		S191	TS2CC-28	14				HSSVMCB1	27	312100 P004	097	
031	SPIRE PMW_JFETV2_A . A-		SPH.S -		S191	TS2CC-28	14				HSSVMCB1	27	312100 P004	098	
032	SPIRE PMW_JFETV2_A . SHD14		SPH.S -		S191	TS2CC-28	14			CS-S191	HSSVMCB1	27	312100 P004	064	
-															
069	SPIRE PMW_JFETV3_A . A+		SPH.S -		S192	TS2CC-28	15				HSSVMCB1	27	312100 P004	108	
070	SPIRE PMW_JFETV3_A . A-		SPH.S -		S192	TS2CC-28	15				HSSVMCB1	27	312100 P004	109	
050	SPIRE PMW_JFETV3_A . SHD15		SPH.S -		S192	TS2CC-28	15			CS-S192	HSSVMCB1	27	312100 P004	064	
-															
071	SPIRE PMW_JFETV4_A . A+		SPH.S -		S193	TS2CC-28	16				HSSVMCB1	27	312100 P004	116	
052	SPIRE PMW_JFETV4_A . A-		SPH.S -		S193	TS2CC-28	16				HSSVMCB1	27	312100 P004	117	
051	SPIRE PMW_JFETV4_A . SHD16		SPH.S -		S193	TS2CC-28	16			CS-S193	HSSVMCB1	27	312100 P004	064	
-															
014	SPIRE PMW_Bias1/2_A . A+		SPG.S -		S194	TS2CC-28	17				HSSVMCB1	27	312100 P004	076	
013	SPIRE PMW_Bias1/2_A . A-		SPG.S -		S194	TS2CC-28	17				HSSVMCB1	27	312100 P004	077	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P029**Function / Bundle:** DCU Phot. Bias Prime SIH-XS-03**Conn.-Type:** 3401-00202B-DDMA-78P-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PMW_Bias1/2_A . SHD17		SPG.S	-	S194	TS2CC-28	17			CS-S194	HSSVMCB1	27	312100 P004	064	
-															
073	SPIRE PMW_Bias3/4_A . A+		SPG.S	-	S195	TS2CC-28	18				HSSVMCB1	27	312100 P004	088	
072	SPIRE PMW_Bias3/4_A . A-		SPG.S	-	S195	TS2CC-28	18				HSSVMCB1	27	312100 P004	089	
053	SPIRE PMW_Bias3/4_A . SHD18		SPG.S	-	S195	TS2CC-28	18			CS-S195	HSSVMCB1	27	312100 P004	064	
-															
034	SPIRE PMW_GND A2		SPX.S	-	S435	T01C0-26					HSSVMCB1	27	312100 P004	064	
-															
016	SPIRE PMW_Heater_A1 . A1+		SPJ.S	-	S197	TS2CC-28	19				HSSVMCB1	27	312100 P004	103	
015	SPIRE PMW_Heater_A1 . A1-		SPJ.S	-	S197	TS2CC-28	19				HSSVMCB1	27	312100 P004	113	
CH	SPIRE PMW_Heater_A1 . SHD19		SPJ.S	-	S197	TS2CC-28	19			CS-S197	HSSVMCB1	27	312100 P004	114	
-															
054	SPIRE PMW_Heater_A2 . A2+		SPJ.S	-	S198	TS2CC-28	20				HSSVMCB1	27	312100 P004	102	
074	SPIRE PMW_Heater_A2 . A2-		SPJ.S	-	S198	TS2CC-28	20				HSSVMCB1	27	312100 P004	101	
CH	SPIRE PMW_Heater_A2 . SHD20		SPJ.S	-	S198	TS2CC-28	20			CS-S198	HSSVMCB1	27	312100 P004	114	
-															
020	SPIRE PLW_Heater_A . A+		SPF.S	-	S199	TS2CC-28	21				HSSVMCB1	27	312100 P004	092	
039	SPIRE PLW_Heater_A . A-		SPF.S	-	S199	TS2CC-28	21				HSSVMCB1	27	312100 P004	104	
CH	SPIRE PLW_Heater_A . SHD21		SPF.S	-	S199	TS2CC-28	21			CS-S199	HSSVMCB1	27	312100 P004	114	
-															
036	SPIRE PLW_JFETV1_A . A+		SPE.S	-	S200	TS2CC-28	22				HSSVMCB1	27	312100 P004	099	
017	SPIRE PLW_JFETV1_A . A-		SPE.S	-	S200	TS2CC-28	22				HSSVMCB1	27	312100 P004	100	
037	SPIRE PLW_JFETV1_A . SHD22		SPE.S	-	S200	TS2CC-28	22			CS-S200	HSSVMCB1	27	312100 P004	128	
-															
018	SPIRE PLW_JFETV2_A . A+		SPE.S	-	S201	TS2CC-28	23				HSSVMCB1	27	312100 P004	110	
019	SPIRE PLW_JFETV2_A . A-		SPE.S	-	S201	TS2CC-28	23				HSSVMCB1	27	312100 P004	111	
038	SPIRE PLW_JFETV2_A . SHD23		SPE.S	-	S201	TS2CC-28	23			CS-S201	HSSVMCB1	27	312100 P004	128	
-															
075	SPIRE PLW_Bias1_A . A+		SPD.S	-	S202	TS2CC-28	24				HSSVMCB1	27	312100 P004	118	
076	SPIRE PLW_Bias1_A . A-		SPD.S	-	S202	TS2CC-28	24				HSSVMCB1	27	312100 P004	119	
056	SPIRE PLW_Bias1_A . SHD24		SPD.S	-	S202	TS2CC-28	24			CS-S202	HSSVMCB1	27	312100 P004	128	
-															
077	SPIRE PLW_Bias2_A . A+		SPD.S	-	S203	TS2CC-28	25				HSSVMCB1	27	312100 P004	112	
057	SPIRE PLW_Bias2_A . A-		SPD.S	-	S203	TS2CC-28	25				HSSVMCB1	27	312100 P004	120	

Pin Allocation List (Harness) **SPIRE**

Connector: 122300 P029

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: 3401-00202B-DDMA-78P-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
058	SPIRE PLW_Bias2_A . SHD25		SPD.S	-	S203	TS2CC-28		25		CS-S203	HSSVMCB1	27	312100 P004	128	
-															
078	SPIRE PLW_GND C2		SPX.S	-	S437	T01C0-26					HSSVMCB1	27	312100 P004	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
027	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
021	to be con to pin 027			-											
022	to be con to pin 027			-											
024	to be con to pin 027			-											
040	to be con to pin 027														
042	to be con to pin 027														
043	to be con to pin 027														
025	to be con to pin 027														
045	to be con to pin 027														
046	to be con to pin 027														
-															
034	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
030	to be con to pin 034														
032	to be con to pin 034														
033	to be con to pin 034														
050	to be con to pin 034														
051	to be con to pin 034														
-															
078	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
053	to be con to pin 034														
037	to be con to pin 078														
038	to be con to pin 078														
056	to be con to pin 078														
058	to be con to pin 078														
-															
-	6 pins are NC									The following Pins are NC :					

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 440 (of 599)

Connector: 122300 P029
Item: HSDCU

Function / Bundle: DCU Phot. Bias Prime SIH-XS-03

Conn.-Type: 3401-00202B-DDMA-78P-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;007 ;028 ;035 ;048 ;055 ;059					

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P030**Function / Bundle:** DCU Phot. Bias Red SIH-XS-03**Conn.-Type:** 3401-00202B-DDMA-78P-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW_JFETV1_B . B+		SPL.S -		S205	TS2CC-28	26				HSSVMCB1	27	312100 P004	042	
002	SPIRE PSW_JFETV1_B . B-		SPL.S -		S205	TS2CC-28	26				HSSVMCB1	27	312100 P004	054	
021	SPIRE PSW_JFETV1_B . SHD26		SPL.S -		S205	TS2CC-28	26		CS-S205		HSSVMCB1	27	312100 P004	001	
-															
003	SPIRE PSW_JFETV2_B . B+		SPL.S -		S206	TS2CC-28	27				HSSVMCB1	27	312100 P004	053	
023	SPIRE PSW_JFETV2_B . B-		SPL.S -		S206	TS2CC-28	27				HSSVMCB1	27	312100 P004	052	
022	SPIRE PSW_JFETV2_B . SHD27		SPL.S -		S206	TS2CC-28	27		CS-S206		HSSVMCB1	27	312100 P004	001	
-															
004	SPIRE PSW_JFETV3_B . B+		SPL.S -		S207	TS2CC-28	28				HSSVMCB1	27	312100 P004	041	
005	SPIRE PSW_JFETV3_B . B-		SPL.S -		S207	TS2CC-28	28				HSSVMCB1	27	312100 P004	030	
024	SPIRE PSW_JFETV3_B . SHD28		SPL.S -		S207	TS2CC-28	28		CS-S207		HSSVMCB1	27	312100 P004	001	
-															
041	SPIRE PSW_JFETV4_B . B+		SPL.S -		S208	TS2CC-28	29				HSSVMCB1	27	312100 P004	010	
060	SPIRE PSW_JFETV4_B . B-		SPL.S -		S208	TS2CC-28	29				HSSVMCB1	27	312100 P004	011	
040	SPIRE PSW_JFETV4_B . SHD29		SPL.S -		S208	TS2CC-28	29		CS-S208		HSSVMCB1	27	312100 P004	001	
-															
061	SPIRE PSW_JFETV5_B . B+		SPL.S -		S209	TS2CC-28	30				HSSVMCB1	27	312100 P004	019	
062	SPIRE PSW_JFETV5_B . B-		SPL.S -		S209	TS2CC-28	30				HSSVMCB1	27	312100 P004	029	
042	SPIRE PSW_JFETV5_B . SHD30		SPL.S -		S209	TS2CC-28	30		CS-S209		HSSVMCB1	27	312100 P004	001	
-															
063	SPIRE PSW_JFETV6_B . B+		SPL.S -		S210	TS2CC-28	31				HSSVMCB1	27	312100 P004	016	
044	SPIRE PSW_JFETV6_B . B-		SPL.S -		S210	TS2CC-28	31				HSSVMCB1	27	312100 P004	027	
043	SPIRE PSW_JFETV6_B . SHD31		SPL.S -		S210	TS2CC-28	31		CS-S210		HSSVMCB1	27	312100 P004	001	
-															
006	SPIRE PSW_Bias1/2_B . B+		SPK.S -		S212	TS2CC-28	32				HSSVMCB1	27	312100 P004	040	
026	SPIRE PSW_Bias1/2_B . B-		SPK.S -		S212	TS2CC-28	32				HSSVMCB1	27	312100 P004	039	
025	SPIRE PSW_Bias1/2_B . SHD32		SPK.S -		S212	TS2CC-28	32		CS-S212		HSSVMCB1	27	312100 P004	001	
-															
065	SPIRE PSW_Bias3/4_B . B+		SPK.S -		S213	TS2CC-28	33				HSSVMCB1	27	312100 P004	018	
064	SPIRE PSW_Bias3/4_B . B-		SPK.S -		S213	TS2CC-28	33				HSSVMCB1	27	312100 P004	028	
045	SPIRE PSW_Bias3/4_B . SHD33		SPK.S -		S213	TS2CC-28	33		CS-S213		HSSVMCB1	27	312100 P004	001	
-															
047	SPIRE PSW_Bias5/6_B . B+		SPK.S -		S214	TS2CC-28	34				HSSVMCB1	27	312100 P004	009	
066	SPIRE PSW_Bias5/6_B . B-		SPK.S -		S214	TS2CC-28	34				HSSVMCB1	27	312100 P004	017	

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P030**Function / Bundle:** DCU Phot. Bias Red SIH-XS-03**Conn.-Type:** 3401-00202B-DDMA-78P-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
046	SPIRE PSW_Bias5/6_B . SHD34		SPK.S	-	S214	TS2CC-28	34			CS-S214	HSSVMCB1	27	312100 P004	001	
-															
027	SPIRE PSW_JFETV GND A3		SPX.S	-	S433	T01C0-26					HSSVMCB1	27	312100 P004	001	
-															
008	SPIRE PSW_Heater_B1 . B1+		SPM.S	-	S215	TS2CC-28	35				HSSVMCB1	27	312100 P004	013	
009	SPIRE PSW_Heater_B1 . B1-		SPM.S	-	S215	TS2CC-28	35				HSSVMCB1	27	312100 P004	012	
CH	SPIRE PSW_Heater_B1 . SHD35		SPM.S	-	S215	TS2CC-28	35			CS-S215	HSSVMCB1	27	312100 P004	005	
-															
029	SPIRE PSW_Heater_B2 . B2+		SPM.S	-	S216	TS2CC-28	36				HSSVMCB1	27	312100 P004	021	
049	SPIRE PSW_Heater_B2 . B2-		SPM.S	-	S216	TS2CC-28	36				HSSVMCB1	27	312100 P004	020	
CH	SPIRE PSW_Heater_B2 . SHD36		SPM.S	-	S216	TS2CC-28	36			CS-S216	HSSVMCB1	27	312100 P004	005	
-															
068	SPIRE PSW_Heater_B3 . B3+		SPM.S	-	S217	TS2CC-28	37				HSSVMCB1	27	312100 P004	031	
067	SPIRE PSW_Heater_B3 . B3-		SPM.S	-	S217	TS2CC-28	37				HSSVMCB1	27	312100 P004	043	
CH	SPIRE PSW_Heater_B3 . SHD37		SPM.S	-	S217	TS2CC-28	37			CS-S217	HSSVMCB1	27	312100 P004	005	
-															
010	SPIRE PMW_JFETV1_B . B+		SPH.S	-	S219	TS2CC-28	38				HSSVMCB1	27	312100 P004	007	
011	SPIRE PMW_JFETV1_B . B-		SPH.S	-	S219	TS2CC-28	38				HSSVMCB1	27	312100 P004	014	
030	SPIRE PMW_JFETV1_B . SHD38		SPH.S	-	S219	TS2CC-28	38			CS-S219	HSSVMCB1	27	312100 P004	006	
-															
012	SPIRE PMW_JFETV2_B . B+		SPH.S	-	S220	TS2CC-28	39				HSSVMCB1	27	312100 P004	024	
031	SPIRE PMW_JFETV2_B . B-		SPH.S	-	S220	TS2CC-28	39				HSSVMCB1	27	312100 P004	035	
032	SPIRE PMW_JFETV2_B . SHD39		SPH.S	-	S220	TS2CC-28	39			CS-S220	HSSVMCB1	27	312100 P004	006	
-															
069	SPIRE PMW_JFETV3_B . B+		SPH.S	-	S221	TS2CC-28	40				HSSVMCB1	27	312100 P004	023	
070	SPIRE PMW_JFETV3_B . B-		SPH.S	-	S221	TS2CC-28	40				HSSVMCB1	27	312100 P004	034	
050	SPIRE PMW_JFETV3_B . SHD40		SPH.S	-	S221	TS2CC-28	40			CS-S221	HSSVMCB1	27	312100 P004	006	
-															
071	SPIRE PMW_JFETV4_B . B+		SPH.S	-	S222	TS2CC-28	41				HSSVMCB1	27	312100 P004	033	
052	SPIRE PMW_JFETV4_B . B-		SPH.S	-	S222	TS2CC-28	41				HSSVMCB1	27	312100 P004	045	
051	SPIRE PMW_JFETV4_B . SHD41		SPH.S	-	S222	TS2CC-28	41			CS-S222	HSSVMCB1	27	312100 P004	006	
-															
014	SPIRE PMW_Bias1/2_B . B+		SPG.S	-	S223	TS2CC-28	42				HSSVMCB1	27	312100 P004	044	
013	SPIRE PMW_Bias1/2_B . B-		SPG.S	-	S223	TS2CC-28	42				HSSVMCB1	27	312100 P004	056	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P030

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: 3401-00202B-DDMA-78P-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PMW_Bias1/2_B . SHD42		SPG.S	-	S223	TS2CC-28	42			CS-S223	HSSVMCB1	27	312100 P004	006	
-															
073	SPIRE PMW_Bias3/4_B . B+		SPG.S	-	S224	TS2CC-28	43				HSSVMCB1	27	312100 P004	022	
072	SPIRE PMW_Bias3/4_B . B-		SPG.S	-	S224	TS2CC-28	43				HSSVMCB1	27	312100 P004	032	
053	SPIRE PMW_Bias3/4_B . SHD43		SPG.S	-	S224	TS2CC-28	43			CS-S224	HSSVMCB1	27	312100 P004	006	
-															
034	SPIRE PMW_GND A4		SPX.S	-	S438	T01C0-26					HSSVMCB1	27	312100 P004	006	
-															
016	SPIRE PMW_Heater_B1 . B1+		SPJ.S	-	S226	TS2CC-28	44				HSSVMCB1	27	312100 P004	055	
015	SPIRE PMW_Heater_B1 . B1-		SPJ.S	-	S226	TS2CC-28	44				HSSVMCB1	27	312100 P004	066	
CH	SPIRE PMW_Heater_B1 . SHD44		SPJ.S	-	S226	TS2CC-28	44			CS-S226	HSSVMCB1	27	312100 P004	065	
-															
054	SPIRE PMW_Heater_B2 . B2+		SPJ.S	-	S227	TS2CC-28	45				HSSVMCB1	27	312100 P004	067	
074	SPIRE PMW_Heater_B2 . B2-		SPJ.S	-	S227	TS2CC-28	45				HSSVMCB1	27	312100 P004	078	
CH	SPIRE PMW_Heater_B2 . SHD45		SPJ.S	-	S227	TS2CC-28	45			CS-S227	HSSVMCB1	27	312100 P004	065	
-															
020	SPIRE PLW_Heater_B . B+		SPF.S	-	S228	TS2CC-28	46				HSSVMCB1	27	312100 P004	090	
039	SPIRE PLW_Heater_B . B-		SPF.S	-	S228	TS2CC-28	46				HSSVMCB1	27	312100 P004	079	
CH	SPIRE PLW_Heater_B . SHD46		SPF.S	-	S228	TS2CC-28	46			CS-S228	HSSVMCB1	27	312100 P004	065	
-															
036	SPIRE PLW_JFETV1_B . B+		SPE.S	-	S229	TS2CC-28	47				HSSVMCB1	27	312100 P004	070	
017	SPIRE PLW_JFETV1_B . B-		SPE.S	-	S229	TS2CC-28	47				HSSVMCB1	27	312100 P004	081	
037	SPIRE PLW_JFETV1_B . SHD47		SPE.S	-	S229	TS2CC-28	47			CS-S229	HSSVMCB1	27	312100 P004	091	
-															
018	SPIRE PLW_JFETV2_B . B+		SPE.S	-	S230	TS2CC-28	48				HSSVMCB1	27	312100 P004	069	
019	SPIRE PLW_JFETV2_B . B-		SPE.S	-	S230	TS2CC-28	48				HSSVMCB1	27	312100 P004	080	
038	SPIRE PLW_JFETV2_B . SHD48		SPE.S	-	S230	TS2CC-28	48			CS-S230	HSSVMCB1	27	312100 P004	091	
-															
075	SPIRE PLW_Bias1_B . B+		SPD.S	-	S231	TS2CC-28	49				HSSVMCB1	27	312100 P004	068	
076	SPIRE PLW_Bias1_B . B-		SPD.S	-	S231	TS2CC-28	49				HSSVMCB1	27	312100 P004	057	
056	SPIRE PLW_Bias1_B . SHD49		SPD.S	-	S231	TS2CC-28	49			CS-S231	HSSVMCB1	27	312100 P004	091	
-															
077	SPIRE PLW_Bias2_B . B+		SPD.S	-	S232	TS2CC-28	50				HSSVMCB1	27	312100 P004	058	
057	SPIRE PLW_Bias2_B . B-		SPD.S	-	S232	TS2CC-28	50				HSSVMCB1	27	312100 P004	046	

Pin Allocation List (Harness) **SPIRE**

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: 3401-00202B-DDMA-78P-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
058	SPIRE PLW_Bias2_B . SHD50		SPD.S	-	S232	TS2CC-28		50		CS-S232	HSSVMCB1	27	312100 P004	091	
-															
078	SPIRE PLW_GND C4		SPX.S	-	S440	T01C0-26					HSSVMCB1	27	312100 P004	091	2S
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
027	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
021	to be con to pin 027														
022	to be con to pin 027														
024	to be con to pin 027														
040	to be con to pin 027														
042	to be con to pin 027														
043	to be con to pin 027														
025	to be con to pin 027														
045	to be con to pin 027														
046	to be con to pin 027														
-															
034	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
030	to be con to pin 034														
032	to be con to pin 034														
050	to be con to pin 034														
051	to be con to pin 034														
033	to be con to pin 034														
053	to be con to pin 034														
-															
078	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
037	to be con to pin 078														
038	to be con to pin 078														
056	to be con to pin 078														
058	to be con to pin 078														
-															
-	6 pins are NC									The following Pins are NC :					

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 445 (of 599)

Connector: 122300 P030
Item: HSDCU

Function / Bundle: DCU Phot. Bias Red SIH-XS-03

Conn.-Type: 3401-00202B-DDMA-78P-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;007 ;028 ;035 ;048 ;055 ;059					

Pin Allocation List

(Harness)

SPIRE

Connector: 312100 P003

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PMW Ch01 to 04 . 1+		SPB.S -		S067	TS2CC-28	1	067-1			HSDCU	17	122300 P020	001	
037	SPIRE PMW Ch01 to 04 . 1-		SPB.S -		S067	TS2CC-28	1	067-1			HSDCU	17	122300 P020	018	
036	SPIRE PMW Ch01 to 04 . SHD01		SPB.S -		S067	TS2CC-28	1	067-1	CS-S067-1		HSDCU	17	122300 P020	034	
-															
038	SPIRE PMW Ch01 to 04 . 2+		SPB.S -		S067	TS2CC-28	2	067-2			HSDCU	17	122300 P020	002	
049	SPIRE PMW Ch01 to 04 . 2-		SPB.S -		S067	TS2CC-28	2	067-2			HSDCU	17	122300 P020	019	
036	SPIRE PMW Ch01 to 04 . SHD02		SPB.S -		S067	TS2CC-28	2	067-2	CS-S067-2		HSDCU	17	122300 P020	035	
-															
048	SPIRE PMW Ch01 to 04 . 3+		SPB.S -		S067	TS2CC-28	3	067-3			HSDCU	17	122300 P020	003	
060	SPIRE PMW Ch01 to 04 . 3-		SPB.S -		S067	TS2CC-28	3	067-3			HSDCU	17	122300 P020	020	
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.S -		S067	TS2CC-28	3	067-3	CS-S067-3		HSDCU	17	122300 P020	036	
-															
059	SPIRE PMW Ch01 to 04 . 4+		SPB.S -		S067	TS2CC-28	4	067-4			HSDCU	17	122300 P020	004	
071	SPIRE PMW Ch01 to 04 . 4-		SPB.S -		S067	TS2CC-28	4	067-4			HSDCU	17	122300 P020	021	
036	SPIRE PMW Ch01 to 04 . SHD04		SPB.S -		S067	TS2CC-28	4	067-4	CS-S067-4		HSDCU	17	122300 P020	037	
-															
050	SPIRE PMW Ch05 to 08 . 5+		SPB.S -		S068	TS2CC-28	5	068-1			HSDCU	17	122300 P020	005	
061	SPIRE PMW Ch05 to 08 . 5-		SPB.S -		S068	TS2CC-28	5	068-1			HSDCU	17	122300 P020	022	
036	SPIRE PMW Ch05 to 08 . SHD05		SPB.S -		S068	TS2CC-28	5	068-1	CS-S068-1		HSDCU	17	122300 P020	038	
-															
062	SPIRE PMW Ch05 to 08 . 6+		SPB.S -		S068	TS2CC-28	6	068-2			HSDCU	17	122300 P020	006	
051	SPIRE PMW Ch05 to 08 . 6-		SPB.S -		S068	TS2CC-28	6	068-2			HSDCU	17	122300 P020	023	
036	SPIRE PMW Ch05 to 08 . SHD06		SPB.S -		S068	TS2CC-28	6	068-2	CS-S068-2		HSDCU	17	122300 P020	039	
-															
063	SPIRE PMW Ch05 to 08 . 7+		SPB.S -		S068	TS2CC-28	7	068-3			HSDCU	17	122300 P020	007	
075	SPIRE PMW Ch05 to 08 . 7-		SPB.S -		S068	TS2CC-28	7	068-3			HSDCU	17	122300 P020	024	
036	SPIRE PMW Ch05 to 08 . SHD07		SPB.S -		S068	TS2CC-28	7	068-3	CS-S068-3		HSDCU	17	122300 P020	040	
-															
074	SPIRE PMW Ch05 to 08 . 8+		SPB.S -		S068	TS2CC-28	8	068-4			HSDCU	17	122300 P020	008	
073	SPIRE PMW Ch05 to 08 . 8-		SPB.S -		S068	TS2CC-28	8	068-4			HSDCU	17	122300 P020	025	
036	SPIRE PMW Ch05 to 08 . SHD08		SPB.S -		S068	TS2CC-28	8	068-4	CS-S068-4		HSDCU	17	122300 P020	041	
-															
083	SPIRE PMW Ch09 to 12 . 9+		SPB.3 -		S069	TS2CC-28	9				HSDCU	17	122300 P020	026	
072	SPIRE PMW Ch09 to 12 . 9-		SPB.3 -		S069	TS2CC-28	9				HSDCU	17	122300 P020	010	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P003

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PMW Ch09 to 12 . SHD09		SPB.3 -		S069	TS2CC-28	9			CS-S069	HSDCU	17	122300 P020	043	
-															
086	SPIRE PMW Ch 13 to 16 . 13+		SPB.S -		S072	TS2CC-28	13	072-1			HSDCU	17	122300 P020	027	
087	SPIRE PMW Ch 13 to 16 . 13-		SPB.S -		S072	TS2CC-28	13	072-1			HSDCU	17	122300 P020	011	
036	SPIRE PMW Ch 13 to 16 . SHD13		SPB.S -		S072	TS2CC-28	13	072-1		CS-S072-1	HSDCU	17	122300 P020	044	
-															
097	SPIRE PMW Ch 13 to 16 . 14+		SPB.S -		S072	TS2CC-28	14	072-2			HSDCU	17	122300 P020	028	
098	SPIRE PMW Ch 13 to 16 . 14-		SPB.S -		S072	TS2CC-28	14	072-2			HSDCU	17	122300 P020	012	
036	SPIRE PMW Ch 13 to 16 . SHD14		SPB.S -		S072	TS2CC-28	14	072-2		CS-S072-2	HSDCU	17	122300 P020	045	
-															
108	SPIRE PMW Ch 13 to 16 . 15+		SPB.S -		S072	TS2CC-28	15	072-3			HSDCU	17	122300 P020	029	
109	SPIRE PMW Ch 13 to 16 . 15-		SPB.S -		S072	TS2CC-28	15	072-3			HSDCU	17	122300 P020	013	
036	SPIRE PMW Ch 13 to 16 . SHD15		SPB.S -		S072	TS2CC-28	15	072-3		CS-S072-3	HSDCU	17	122300 P020	046	
-															
116	SPIRE PMW Ch 13 to 16 . 16+		SPB.S -		S072	TS2CC-28	16	072-4			HSDCU	17	122300 P020	030	
117	SPIRE PMW Ch 13 to 16 . 16-		SPB.S -		S072	TS2CC-28	16	16			HSDCU	17	122300 P020	014	
036	SPIRE PMW Ch 13 to 16 . SHD16		SPB.S -		S072	TS2CC-28	16	072-4		CS-S072-4	HSDCU	17	122300 P020	047	
-															
036	SPIRE PMW B04 GND WIRE A1		SPX.- -		S441	010B0-30					HSDCU	17	122300 P020	009	
-															
055	SPIRE PMW Ch17 to 19 . 17+		SPB.5 -		S073	TS2CC-28	17	073-1			HSDCU	17	122300 P020	031	
066	SPIRE PMW Ch17 to 19 . 17-		SPB.5 -		S073	TS2CC-28	17	073-1			HSDCU	17	122300 P020	015	
128	SPIRE PMW Ch17 to 19 . SHD17		SPB.5 -		S073	TS2CC-28	17	073-1		CS-S073-1	HSDCU	17	122300 P020	048	
-															
067	SPIRE PMW Ch17 to 19 . 18+		SPB.5 -		S073	TS2CC-28	18	073-2			HSDCU	17	122300 P020	032	
078	SPIRE PMW Ch17 to 19 . 18-		SPB.5 -		S073	TS2CC-28	18	073-2			HSDCU	17	122300 P020	016	
128	SPIRE PMW Ch17 to 19 . SHD18		SPB.5 -		S073	TS2CC-28	18	073-2		CS-S073-2	HSDCU	17	122300 P020	049	
-															
076	SPIRE PMW Ch17 to 19 . 19+		SPB.5 -		S073	TS2CC-28	19	073-3			HSDCU	17	122300 P020	033	
077	SPIRE PMW Ch17 to 19 . 19-		SPB.5 -		S073	TS2CC-28	19	073-3			HSDCU	17	122300 P020	017	
128	SPIRE PMW Ch17 to 19 . SHD19		SPB.5 -		S073	TS2CC-28	19	073-3		CS-S073-3	HSDCU	17	122300 P020	050	
-															
088	SPIRE PMW Ch 20 . 20+		SPB.3 -		S73A	TS2CC-28	20				HSDCU	17	122300 P021	001	
089	SPIRE PMW Ch 20 . 20-		SPB.3 -		S73A	TS2CC-28	20				HSDCU	17	122300 P021	018	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P003

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PMW Ch 20 . SHD20		SPB.3 -		S73A	TS2CC-28	20			CS-S73A	HSDCU	17	122300 P021	034	
-															
099	SPIRE PMW Ch21 to 24 . 21+		SPB.S -		S074	TS2CC-28	21	074-1			HSDCU	17	122300 P021	002	
100	SPIRE PMW Ch21 to 24 . 21-		SPB.S -		S074	TS2CC-28	21	074-1			HSDCU	17	122300 P021	019	
128	SPIRE PMW Ch21 to 24 . SHD21		SPB.S -		S074	TS2CC-28	21	074-1		CS-S074-1	HSDCU	17	122300 P021	035	
-															
110	SPIRE PMW Ch21 to 24 . 22+		SPB.S -		S074	TS2CC-28	22	074-2			HSDCU	17	122300 P021	003	
111	SPIRE PMW Ch21 to 24 . 22-		SPB.S -		S074	TS2CC-28	22	074-2			HSDCU	17	122300 P021	020	
128	SPIRE PMW Ch21 to 24 . SHD22		SPB.S -		S074	TS2CC-28	22	074-2		CS-S074-2	HSDCU	17	122300 P021	036	
-															
118	SPIRE PMW Ch21 to 24 . 23+		SPB.S -		S074	TS2CC-28	23	074-3			HSDCU	17	122300 P021	004	
119	SPIRE PMW Ch21 to 24 . 23-		SPB.S -		S074	TS2CC-28	23	074-3			HSDCU	17	122300 P021	021	
128	SPIRE PMW Ch21 to 24 . SHD23		SPB.S -		S074	TS2CC-28	23	074-3		CS-S074-3	HSDCU	17	122300 P021	037	
-															
112	SPIRE PMW Ch21 to 24 . 24+		SPB.S -		S074	TS2CC-28	24	074-4			HSDCU	17	122300 P021	005	
120	SPIRE PMW Ch21 to 24 . 24-		SPB.S -		S074	TS2CC-28	24	074-4			HSDCU	17	122300 P021	022	
128	SPIRE PMW Ch21 to 24 . SHD24		SPB.S -		S074	TS2CC-28	24	074-4		CS-S074-4	HSDCU	17	122300 P021	038	
-															
-															
090	SPIRE PMW Ch25 to 28 . 25+		SPB.S -		S076	TS2CC-28	25	076-1			HSDCU	17	122300 P021	006	
079	SPIRE PMW Ch25 to 28 . 25-		SPB.S -		S076	TS2CC-28	25	076-1			HSDCU	17	122300 P021	023	
128	SPIRE PMW Ch25 to 28 . SHD25		SPB.S -		S076	TS2CC-28	25	076-1		CS-S076-1	HSDCU	17	122300 P021	039	
-															
102	SPIRE PMW Ch25 to 28 . 26+		SPB.S -		S076	TS2CC-28	26	076-2			HSDCU	17	122300 P021	007	
101	SPIRE PMW Ch25 to 28 . 26-		SPB.S -		S076	TS2CC-28	26	076-2			HSDCU	17	122300 P021	024	
128	SPIRE PMW Ch25 to 28 . SHD26		SPB.S -		S076	TS2CC-28	26	076-2		CS-S076-2	HSDCU	17	122300 P021	040	
-															
092	SPIRE PMW Ch25 to 28 . 27+		SPB.S -		S076	TS2CC-28	27	076-3			HSDCU	17	122300 P021	008	
091	SPIRE PMW Ch25 to 28 . 27-		SPB.S -		S076	TS2CC-28	27	076-3			HSDCU	17	122300 P021	025	
128	SPIRE PMW Ch25 to 28 . SHD27		SPB.S -		S076	TS2CC-28	27	076-3		CS-S076-3	HSDCU	17	122300 P021	041	
-															
103	SPIRE PMW Ch25 to 28 . 28+		SPB.S -		S076	TS2CC-28	28	076-4			HSDCU	17	122300 P021	026	
113	SPIRE PMW Ch25 to 28 . 28-		SPB.S -		S076	TS2CC-28	28	076-4			HSDCU	17	122300 P021	010	
128	SPIRE PMW Ch25 to 28 . SHD28		SPB.S -		S076	TS2CC-28	28	076-4		CS-S076-4	HSDCU	17	122300 P021	043	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
058	SPIRE PMW Ch29 to 32 . 29+		SPB.5 -		S077	TS2CC-28	29	077-1			HSDCU	17	122300 P021	027	
046	SPIRE PMW Ch29 to 32 . 29-		SPB.5 -		S077	TS2CC-28	29	077-1			HSDCU	17	122300 P021	011	
128	SPIRE PMW Ch29 to 32 . SHD29		SPB.5 -		S077	TS2CC-28	29	077-1	CS-S077-1		HSDCU	17	122300 P021	044	
-															
068	SPIRE PMW Ch29 to 32 . 30+		SPB.5 -		S077	TS2CC-28	30	077-2			HSDCU	17	122300 P021	028	
057	SPIRE PMW Ch29 to 32 . 30-		SPB.5 -		S077	TS2CC-28	30	077-2			HSDCU	17	122300 P021	012	
128	SPIRE PMW Ch29 to 32 . SHD30		SPB.5 -		S077	TS2CC-28	30	077-2	CS-S077-2		HSDCU	17	122300 P021	045	
-															
069	SPIRE PMW Ch29 to 32 . 31+		SPB.5 -		S077	TS2CC-28	31	077-3			HSDCU	17	122300 P021	029	
080	SPIRE PMW Ch29 to 32 . 31-		SPB.5 -		S077	TS2CC-28	31	077-3			HSDCU	17	122300 P021	013	
128	SPIRE PMW Ch29 to 32 . SHD31		SPB.5 -		S077	TS2CC-28	31	077-3	CS-S077-3		HSDCU	17	122300 P021	046	
-															
070	SPIRE PMW Ch29 to 32 . 32+		SPB.5 -		S077	TS2CC-28	32	077-4			HSDCU	17	122300 P021	030	
081	SPIRE PMW Ch29 to 32 . 32-		SPB.5 -		S077	TS2CC-28	32	077-4			HSDCU	17	122300 P021	014	
128	SPIRE PMW Ch29 to 32 . SHD32		SPB.5 -		S077	TS2CC-28	32	077-4	CS-S077-4		HSDCU	17	122300 P021	047	
-															
128	SPIRE PMW B04 GND Wire A2		SPX.- -		S442	010B0-30					HSDCU	17	122300 P021	009	
-															
023	SPIRE PMW Ch33 to 35 . 33+		SPB.S -		S078	TS2CC-28	33	078-1			HSDCU	17	122300 P021	031	
034	SPIRE PMW Ch33 to 35 . 33-		SPB.S -		S078	TS2CC-28	33	078-1			HSDCU	17	122300 P021	015	
004	SPIRE PMW Ch33 to 35 . SHD33		SPB.S -		S078	TS2CC-28	33	078-1	CS-S078-1		HSDCU	17	122300 P021	048	
-															
033	SPIRE PMW Ch33 to 35 . 34+		SPB.S -		S078	TS2CC-28	34	078-2			HSDCU	17	122300 P021	032	
045	SPIRE PMW Ch33 to 35 . 34-		SPB.S -		S078	TS2CC-28	34	078-2			HSDCU	17	122300 P021	016	
004	SPIRE PMW Ch33 to 35 . SHD34		SPB.S -		S078	TS2CC-28	34	078-2	CS-S078-2		HSDCU	17	122300 P021	049	
-															
044	SPIRE PMW Ch33 to 35 . 35+		SPB.S -		S078	TS2CC-28	35	078-3			HSDCU	17	122300 P021	033	
056	SPIRE PMW Ch33 to 35 . 35-		SPB.S -		S078	TS2CC-28	35	078-3			HSDCU	17	122300 P021	017	
004	SPIRE PMW Ch33 to 35 . SHD35		SPB.S -		S078	TS2CC-28	35	078-3	CS-S078-3		HSDCU	17	122300 P021	050	
-															
022	SPIRE PMW Ch36 . 36+		SPB.3 -		S78A	TS2CC-28	36				HSDCU	17	122300 P022	001	
032	SPIRE PMW Ch36 . 36-		SPB.3 -		S78A	TS2CC-28	36				HSDCU	17	122300 P022	018	
004	SPIRE PMW Ch36 . SHD36		SPB.3 -		S78A	TS2CC-28	36		CS-S78A		HSDCU	17	122300 P022	034	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
013	SPIRE PMW Ch37 to 40 . 37+		SPB.S -		S083	TS2CC-28	37	083-1			HSDCU	17	122300 P022	002	
012	SPIRE PMW Ch37 to 40 . 37-		SPB.S -		S083	TS2CC-28	37	083-1			HSDCU	17	122300 P022	019	
004	SPIRE PMW Ch37 to 40 . SHD37		SPB.S -		S083	TS2CC-28	37	083-1	CS-S083-1		HSDCU	17	122300 P022	035	
-															
021	SPIRE PMW Ch37 to 40 . 38+		SPB.S -		S083	TS2CC-28	38	083-2			HSDCU	17	122300 P022	003	
020	SPIRE PMW Ch37 to 40 . 38-		SPB.S -		S083	TS2CC-28	38	083-2			HSDCU	17	122300 P022	020	
004	SPIRE PMW Ch37 to 40 . SHD38		SPB.S -		S083	TS2CC-28	38	083-2	CS-S083-2		HSDCU	17	122300 P022	036	
-															
031	SPIRE PMW Ch37 to 40 . 39+		SPB.S -		S083	TS2CC-28	39	083-3			HSDCU	17	122300 P022	004	
043	SPIRE PMW Ch37 to 40 . 39-		SPB.S -		S083	TS2CC-28	39	083-3			HSDCU	17	122300 P022	021	
004	SPIRE PMW Ch37 to 40 . SHD39		SPB.S -		S083	TS2CC-28	39	083-3	CS-S083-3		HSDCU	17	122300 P022	037	
-															
042	SPIRE PMW Ch37 to 40 . 40+		SPB.S -		S083	TS2CC-28	40	083-4			HSDCU	17	122300 P022	005	
054	SPIRE PMW Ch37 to 40 . 40-		SPB.S -		S083	TS2CC-28	40	083-4			HSDCU	17	122300 P022	022	
004	SPIRE PMW Ch37 to 40 . SHD40		SPB.S -		S083	TS2CC-28	40	083-4	CS-S083-4		HSDCU	17	122300 P022	038	
-															
010	SPIRE PMW Ch41 to 44 . 41+		SPB.S -		S081	TS2CC-28	41	081-1			HSDCU	17	122300 P022	006	
011	SPIRE PMW Ch41 to 44 . 41-		SPB.S -		S081	TS2CC-28	41	081-1			HSDCU	17	122300 P022	023	
004	SPIRE PMW Ch41 to 44 . SHD41		SPB.S -		S081	TS2CC-28	41	081-1	CS-S081-1		HSDCU	17	122300 P022	039	
-															
019	SPIRE PMW Ch41 to 44 . 42+		SPB.S -		S081	TS2CC-28	42	081-2			HSDCU	17	122300 P022	007	
029	SPIRE PMW Ch41 to 44 . 42-		SPB.S -		S081	TS2CC-28	42	081-2			HSDCU	17	122300 P022	024	
004	SPIRE PMW Ch41 to 44 . SHD42		SPB.S -		S081	TS2CC-28	42	081-2	CS-S081-2		HSDCU	17	122300 P022	040	
-															
041	SPIRE PMW Ch41 to 44 . 43+		SPB.S -		S081	TS2CC-28	43	081-3			HSDCU	17	122300 P022	008	
030	SPIRE PMW Ch41 to 44 . 43-		SPB.S -		S081	TS2CC-28	43	081-3			HSDCU	17	122300 P022	025	
004	SPIRE PMW Ch41 to 44 . SHD43		SPB.S -		S081	TS2CC-28	43	081-3	CS-S081-3		HSDCU	17	122300 P022	041	
-															
053	SPIRE PMW Ch41 to 44 . 44+		SPB.S -		S081	TS2CC-28	44	081-4			HSDCU	17	122300 P022	026	
052	SPIRE PMW Ch41 to 44 . 44-		SPB.S -		S081	TS2CC-28	44	081-4			HSDCU	17	122300 P022	010	
004	SPIRE PMW Ch41 to 44 . SHD44		SPB.S -		S081	TS2CC-28	44	081-4	CS-S081-4		HSDCU	17	122300 P022	043	
-															
009	SPIRE PMW Ch45 to 48 . 45+		SPB.S -		S082	TS2CC-28	45	082-1			HSDCU	17	122300 P022	027	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P003**Function / Bundle:** SPIRE SVM CB1 SIH-XS-04**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
017	SPIRE PMW Ch45 to 48 . 45-		SPB.S -		S082	TS2CC-28	45	082-1			HSDCU	17	122300 P022	011	
004	SPIRE PMW Ch45 to 48 . SHD45		SPB.S -		S082	TS2CC-28	45	082-1	CS-S082-1		HSDCU	17	122300 P022	044	
-															
018	SPIRE PMW Ch45 to 48 . 46+		SPB.S -		S082	TS2CC-28	46	082-2			HSDCU	17	122300 P022	028	
028	SPIRE PMW Ch45 to 48 . 46-		SPB.S -		S082	TS2CC-28	46	082-2			HSDCU	17	122300 P022	012	
004	SPIRE PMW Ch45 to 48 . SHD46		SPB.S -		S082	TS2CC-28	46	082-2	CS-S082-2		HSDCU	17	122300 P022	045	
-															
016	SPIRE PMW Ch45 to 48 . 47+		SPB.S -		S082	TS2CC-28	47	082-3			HSDCU	17	122300 P022	029	
027	SPIRE PMW Ch45 to 48 . 47-		SPB.S -		S082	TS2CC-28	47	082-3			HSDCU	17	122300 P022	013	
004	SPIRE PMW Ch45 to 48 . SHD47		SPB.S -		S082	TS2CC-28	47	082-3	CS-S082-3		HSDCU	17	122300 P022	046	
-															
040	SPIRE PMW Ch45 to 48 . 48+		SPB.S -		S082	TS2CC-28	48	082-4			HSDCU	17	122300 P022	030	
039	SPIRE PMW Ch45 to 48 . 48-		SPB.S -		S082	TS2CC-28	48	082-4			HSDCU	17	122300 P022	014	
004	SPIRE PMW Ch45 to 48 . SHD48		SPB.S -		S082	TS2CC-28	48	082-4	CS-S082-4		HSDCU	17	122300 P022	047	
-															
004	SPIRE PMW B04 GND Wire A4		SPX.- -		S444	010B0-30					HSDCU	17	122300 P022	009	
-															
047	Shield Interconnection Star Pin								Star Pin for Shield Intercon						
036	to be con to pin 047														
128	to be con to pin 047														
004	to be con to pin 047														
-															
001	to be con as part of FCR								Faraday Cage Ring (FCR)						
002	to be con as part of FCR								Faraday Cage Ring (FCR)						
003	to be con as part of FCR								Faraday Cage Ring (FCR)						
005	to be con as part of FCR								Faraday Cage Ring (FCR)						
006	to be con as part of FCR								Faraday Cage Ring (FCR)						
007	to be con as part of FCR								Faraday Cage Ring (FCR)						
008	to be con as part of FCR								Faraday Cage Ring (FCR)						
014	to be con as part of FCR								Faraday Cage Ring (FCR)						
015	to be con as part of FCR								Faraday Cage Ring (FCR)						
024	to be con as part of FCR								Faraday Cage Ring (FCR)						
025	to be con as part of FCR								Faraday Cage Ring (FCR)						

Pin Allocation List (Harness) **SPIRE**

Connector: 312100 P003
Item: HSSVMCB1

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

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)													2S	
-															
CH	to be con to Outer Overall Shield (OOS)													2S	
-															
-	8 pins are NC									The following Pins are NC :					
-	-									;064 ;065 ;084 ;085 ;095 ;096 ;106 ;107					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P022**Function / Bundle:** DCU JFP PMW SIH-XS-04**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PMW Ch36 . 36+		SPB.3 -		S78A	TS2CC-28	36				HSSVMCB1	27	312100 P003	022	
018	SPIRE PMW Ch36 . 36-		SPB.3 -		S78A	TS2CC-28	36				HSSVMCB1	27	312100 P003	032	
034	SPIRE PMW Ch36 . SHD36		SPB.3 -		S78A	TS2CC-28	36		CS-S78A		HSSVMCB1	27	312100 P003	004	
-															
002	SPIRE PMW Ch37 to 40 . 37+		SPB.S -		S083	TS2CC-28	37	083-1			HSSVMCB1	27	312100 P003	013	
019	SPIRE PMW Ch37 to 40 . 37-		SPB.S -		S083	TS2CC-28	37	083-1			HSSVMCB1	27	312100 P003	012	
035	SPIRE PMW Ch37 to 40 . SHD37		SPB.S -		S083	TS2CC-28	37	083-1	CS-S083-1		HSSVMCB1	27	312100 P003	004	
-															
003	SPIRE PMW Ch37 to 40 . 38+		SPB.S -		S083	TS2CC-28	38	083-2			HSSVMCB1	27	312100 P003	021	
020	SPIRE PMW Ch37 to 40 . 38-		SPB.S -		S083	TS2CC-28	38	083-2			HSSVMCB1	27	312100 P003	020	
036	SPIRE PMW Ch37 to 40 . SHD38		SPB.S -		S083	TS2CC-28	38	083-2	CS-S083-2		HSSVMCB1	27	312100 P003	004	
-															
004	SPIRE PMW Ch37 to 40 . 39+		SPB.S -		S083	TS2CC-28	39	083-3			HSSVMCB1	27	312100 P003	031	
021	SPIRE PMW Ch37 to 40 . 39-		SPB.S -		S083	TS2CC-28	39	083-3			HSSVMCB1	27	312100 P003	043	
037	SPIRE PMW Ch37 to 40 . SHD39		SPB.S -		S083	TS2CC-28	39	083-3	CS-S083-3		HSSVMCB1	27	312100 P003	004	
-															
005	SPIRE PMW Ch37 to 40 . 40+		SPB.S -		S083	TS2CC-28	40	083-4			HSSVMCB1	27	312100 P003	042	
022	SPIRE PMW Ch37 to 40 . 40-		SPB.S -		S083	TS2CC-28	40	083-4			HSSVMCB1	27	312100 P003	054	
038	SPIRE PMW Ch37 to 40 . SHD40		SPB.S -		S083	TS2CC-28	40	083-4	CS-S083-4		HSSVMCB1	27	312100 P003	004	
-															
006	SPIRE PMW Ch41 to 44 . 41+		SPB.S -		S081	TS2CC-28	41	081-1			HSSVMCB1	27	312100 P003	010	
023	SPIRE PMW Ch41 to 44 . 41-		SPB.S -		S081	TS2CC-28	41	081-1			HSSVMCB1	27	312100 P003	011	
039	SPIRE PMW Ch41 to 44 . SHD41		SPB.S -		S081	TS2CC-28	41	081-1	CS-S081-1		HSSVMCB1	27	312100 P003	004	
-															
007	SPIRE PMW Ch41 to 44 . 42+		SPB.S -		S081	TS2CC-28	42	081-2			HSSVMCB1	27	312100 P003	019	
024	SPIRE PMW Ch41 to 44 . 42-		SPB.S -		S081	TS2CC-28	42	081-2			HSSVMCB1	27	312100 P003	029	
040	SPIRE PMW Ch41 to 44 . SHD42		SPB.S -		S081	TS2CC-28	42	081-2	CS-S081-2		HSSVMCB1	27	312100 P003	004	
-															
008	SPIRE PMW Ch41 to 44 . 43+		SPB.S -		S081	TS2CC-28	43	081-3			HSSVMCB1	27	312100 P003	041	
025	SPIRE PMW Ch41 to 44 . 43-		SPB.S -		S081	TS2CC-28	43	081-3			HSSVMCB1	27	312100 P003	030	
041	SPIRE PMW Ch41 to 44 . SHD43		SPB.S -		S081	TS2CC-28	43	081-3	CS-S081-3		HSSVMCB1	27	312100 P003	004	
-															
026	SPIRE PMW Ch41 to 44 . 44+		SPB.S -		S081	TS2CC-28	44	081-4			HSSVMCB1	27	312100 P003	053	
010	SPIRE PMW Ch41 to 44 . 44-		SPB.S -		S081	TS2CC-28	44	081-4			HSSVMCB1	27	312100 P003	052	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P022

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch41 to 44 . SHD44		SPB.S	-	S081	TS2CC-28	44	081-4		CS-S081-4	HSSVMCB1	27	312100 P003	004	
-															
027	SPIRE PMW Ch45 to 48 . 45+		SPB.S	-	S082	TS2CC-28	45	082-1			HSSVMCB1	27	312100 P003	009	
011	SPIRE PMW Ch45 to 48 . 45-		SPB.S	-	S082	TS2CC-28	45	082-1			HSSVMCB1	27	312100 P003	017	
044	SPIRE PMW Ch45 to 48 . SHD45		SPB.S	-	S082	TS2CC-28	45	082-1		CS-S082-1	HSSVMCB1	27	312100 P003	004	
-															
028	SPIRE PMW Ch45 to 48 . 46+		SPB.S	-	S082	TS2CC-28	46	082-2			HSSVMCB1	27	312100 P003	018	
012	SPIRE PMW Ch45 to 48 . 46-		SPB.S	-	S082	TS2CC-28	46	082-2			HSSVMCB1	27	312100 P003	028	
045	SPIRE PMW Ch45 to 48 . SHD46		SPB.S	-	S082	TS2CC-28	46	082-2		CS-S082-2	HSSVMCB1	27	312100 P003	004	
-															
029	SPIRE PMW Ch45 to 48 . 47+		SPB.S	-	S082	TS2CC-28	47	082-3			HSSVMCB1	27	312100 P003	016	
013	SPIRE PMW Ch45 to 48 . 47-		SPB.S	-	S082	TS2CC-28	47	082-3			HSSVMCB1	27	312100 P003	027	
046	SPIRE PMW Ch45 to 48 . SHD47		SPB.S	-	S082	TS2CC-28	47	082-3		CS-S082-3	HSSVMCB1	27	312100 P003	004	
-															
030	SPIRE PMW Ch45 to 48 . 48+		SPB.S	-	S082	TS2CC-28	48	082-4			HSSVMCB1	27	312100 P003	040	
014	SPIRE PMW Ch45 to 48 . 48-		SPB.S	-	S082	TS2CC-28	48	082-4			HSSVMCB1	27	312100 P003	039	
047	SPIRE PMW Ch45 to 48 . SHD48		SPB.S	-	S082	TS2CC-28	48	082-4		CS-S082-4	HSSVMCB1	27	312100 P003	004	
-															
031	SPIRE SSW PTC Ch's . 1+		S3D.2	-	S053	TS2CC-28	49	053-1			HSSVMCB1	27	312100 P01B	001	
015	SPIRE SSW PTC Ch's . 1-		S3D.2	-	S053	TS2CC-28	49	053-1			HSSVMCB1	27	312100 P01B	006	
048	SPIRE SSW PTC Ch's . SHD49		S3D.2	-	S053	TS2CC-28	49	053-1		CS-S053-1	HSSVMCB1	27	312100 P01B	002	
-															
032	SPIRE SSW PTC Ch's . 2+		S3D.2	-	S053	TS2CC-28	50	053-2			HSSVMCB1	27	312100 P01B	003	
016	SPIRE SSW PTC Ch's . 2-		S3D.2	-	S053	TS2CC-28	50	053-2			HSSVMCB1	27	312100 P01B	007	
049	SPIRE SSW PTC Ch's . SHD50		S3D.2	-	S053	TS2CC-28	50	053-2		CS-S053-2	HSSVMCB1	27	312100 P01B	008	
-															
033	SPIRE SSW PTC Ch's . 3+		S3D.2	-	S053	TS2CC-28	51	053-3			HSSVMCB1	27	312100 P01B	004	
017	SPIRE SSW PTC Ch's . 3-		S3D.2	-	S053	TS2CC-28	51	053-3			HSSVMCB1	27	312100 P01B	005	
050	SPIRE SSW PTC Ch's . SHD51		S3D.2	-	S053	TS2CC-28	51	053-3		CS-S053-3	HSSVMCB1	27	312100 P01B	008	
-															
009	SPIRE PMW B04 GND Wire A4		SPX.-	-	S444	010B0-30					HSSVMCB1	27	312100 P003	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH	<h1>Pin Allocation List</h1> <p>(Harness)</p> <p>SPIRE</p>	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 455 (of 599)

Connector: 122300 P022
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P021

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PMW Ch 20 . 20+		SPB.3 -		S73A	TS2CC-28	20				HSSVMCB1	27	312100 P003	088	
018	SPIRE PMW Ch 20 . 20-		SPB.3 -		S73A	TS2CC-28	20				HSSVMCB1	27	312100 P003	089	
034	SPIRE PMW Ch 20 . SHD20		SPB.3 -		S73A	TS2CC-28	20			CS-S73A	HSSVMCB1	27	312100 P003	128	
-															
002	SPIRE PMW Ch21 to 24 . 21+		SPB.S -		S074	TS2CC-28	21	074-1			HSSVMCB1	27	312100 P003	099	
019	SPIRE PMW Ch21 to 24 . 21-		SPB.S -		S074	TS2CC-28	21	074-1			HSSVMCB1	27	312100 P003	100	
035	SPIRE PMW Ch21 to 24 . SHD21		SPB.S -		S074	TS2CC-28	21	074-1		CS-S074-1	HSSVMCB1	27	312100 P003	128	
-															
003	SPIRE PMW Ch21 to 24 . 22+		SPB.S -		S074	TS2CC-28	22	074-2			HSSVMCB1	27	312100 P003	110	
020	SPIRE PMW Ch21 to 24 . 22-		SPB.S -		S074	TS2CC-28	22	074-2			HSSVMCB1	27	312100 P003	111	
036	SPIRE PMW Ch21 to 24 . SHD22		SPB.S -		S074	TS2CC-28	22	074-2		CS-S074-2	HSSVMCB1	27	312100 P003	128	
-															
004	SPIRE PMW Ch21 to 24 . 23+		SPB.S -		S074	TS2CC-28	23	074-3			HSSVMCB1	27	312100 P003	118	
021	SPIRE PMW Ch21 to 24 . 23-		SPB.S -		S074	TS2CC-28	23	074-3			HSSVMCB1	27	312100 P003	119	
037	SPIRE PMW Ch21 to 24 . SHD23		SPB.S -		S074	TS2CC-28	23	074-3		CS-S074-3	HSSVMCB1	27	312100 P003	128	
-															
005	SPIRE PMW Ch21 to 24 . 24+		SPB.S -		S074	TS2CC-28	24	074-4			HSSVMCB1	27	312100 P003	112	
022	SPIRE PMW Ch21 to 24 . 24-		SPB.S -		S074	TS2CC-28	24	074-4			HSSVMCB1	27	312100 P003	120	
038	SPIRE PMW Ch21 to 24 . SHD24		SPB.S -		S074	TS2CC-28	24	074-4		CS-S074-4	HSSVMCB1	27	312100 P003	128	
-															
006	SPIRE PMW Ch25 to 28 . 25+		SPB.S -		S076	TS2CC-28	25	076-1			HSSVMCB1	27	312100 P003	090	
023	SPIRE PMW Ch25 to 28 . 25-		SPB.S -		S076	TS2CC-28	25	076-1			HSSVMCB1	27	312100 P003	079	
039	SPIRE PMW Ch25 to 28 . SHD25		SPB.S -		S076	TS2CC-28	25	076-1		CS-S076-1	HSSVMCB1	27	312100 P003	128	
-															
007	SPIRE PMW Ch25 to 28 . 26+		SPB.S -		S076	TS2CC-28	26	076-2			HSSVMCB1	27	312100 P003	102	
024	SPIRE PMW Ch25 to 28 . 26-		SPB.S -		S076	TS2CC-28	26	076-2			HSSVMCB1	27	312100 P003	101	
040	SPIRE PMW Ch25 to 28 . SHD26		SPB.S -		S076	TS2CC-28	26	076-2		CS-S076-2	HSSVMCB1	27	312100 P003	128	
-															
008	SPIRE PMW Ch25 to 28 . 27+		SPB.S -		S076	TS2CC-28	27	076-3			HSSVMCB1	27	312100 P003	092	
025	SPIRE PMW Ch25 to 28 . 27-		SPB.S -		S076	TS2CC-28	27	076-3			HSSVMCB1	27	312100 P003	091	
041	SPIRE PMW Ch25 to 28 . SHD27		SPB.S -		S076	TS2CC-28	27	076-3		CS-S076-3	HSSVMCB1	27	312100 P003	128	
-															
026	SPIRE PMW Ch25 to 28 . 28+		SPB.S -		S076	TS2CC-28	28	076-4			HSSVMCB1	27	312100 P003	103	
010	SPIRE PMW Ch25 to 28 . 28-		SPB.S -		S076	TS2CC-28	28	076-4			HSSVMCB1	27	312100 P003	113	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P021

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch25 to 28 . SHD28		SPB.S	-	S076	TS2CC-28	28	076-4		CS-S076-4	HSSVMCB1	27	312100 P003	128	
-															
027	SPIRE PMW Ch29 to 32 . 29+		SPB.5	-	S077	TS2CC-28	29	077-1			HSSVMCB1	27	312100 P003	058	
011	SPIRE PMW Ch29 to 32 . 29-		SPB.5	-	S077	TS2CC-28	29	077-1			HSSVMCB1	27	312100 P003	046	
044	SPIRE PMW Ch29 to 32 . SHD29		SPB.5	-	S077	TS2CC-28	29	077-1		CS-S077-1	HSSVMCB1	27	312100 P003	128	
-															
028	SPIRE PMW Ch29 to 32 . 30+		SPB.5	-	S077	TS2CC-28	30	077-2			HSSVMCB1	27	312100 P003	068	
012	SPIRE PMW Ch29 to 32 . 30-		SPB.5	-	S077	TS2CC-28	30	077-2			HSSVMCB1	27	312100 P003	057	
045	SPIRE PMW Ch29 to 32 . SHD30		SPB.5	-	S077	TS2CC-28	30	077-2		CS-S077-2	HSSVMCB1	27	312100 P003	128	
-															
029	SPIRE PMW Ch29 to 32 . 31+		SPB.5	-	S077	TS2CC-28	31	077-3			HSSVMCB1	27	312100 P003	069	
013	SPIRE PMW Ch29 to 32 . 31-		SPB.5	-	S077	TS2CC-28	31	077-3			HSSVMCB1	27	312100 P003	080	
046	SPIRE PMW Ch29 to 32 . SHD31		SPB.5	-	S077	TS2CC-28	31	077-3		CS-S077-3	HSSVMCB1	27	312100 P003	128	
-															
030	SPIRE PMW Ch29 to 32 . 32+		SPB.5	-	S077	TS2CC-28	32	077-4			HSSVMCB1	27	312100 P003	070	
014	SPIRE PMW Ch29 to 32 . 32-		SPB.5	-	S077	TS2CC-28	32	077-4			HSSVMCB1	27	312100 P003	081	
047	SPIRE PMW Ch29 to 32 . SHD32		SPB.5	-	S077	TS2CC-28	32	077-4		CS-S077-4	HSSVMCB1	27	312100 P003	128	
-															
031	SPIRE PMW Ch33 to 35 . 33+		SPB.S	-	S078	TS2CC-28	33	078-1			HSSVMCB1	27	312100 P003	023	
015	SPIRE PMW Ch33 to 35 . 33-		SPB.S	-	S078	TS2CC-28	33	078-1			HSSVMCB1	27	312100 P003	034	
048	SPIRE PMW Ch33 to 35 . SHD33		SPB.S	-	S078	TS2CC-28	33	078-1		CS-S078-1	HSSVMCB1	27	312100 P003	004	
-															
032	SPIRE PMW Ch33 to 35 . 34+		SPB.S	-	S078	TS2CC-28	34	078-2			HSSVMCB1	27	312100 P003	033	
016	SPIRE PMW Ch33 to 35 . 34-		SPB.S	-	S078	TS2CC-28	34	078-2			HSSVMCB1	27	312100 P003	045	
049	SPIRE PMW Ch33 to 35 . SHD34		SPB.S	-	S078	TS2CC-28	34	078-2		CS-S078-2	HSSVMCB1	27	312100 P003	004	
-															
033	SPIRE PMW Ch33 to 35 . 35+		SPB.S	-	S078	TS2CC-28	35	078-3			HSSVMCB1	27	312100 P003	044	
017	SPIRE PMW Ch33 to 35 . 35-		SPB.S	-	S078	TS2CC-28	35	078-3			HSSVMCB1	27	312100 P003	056	
050	SPIRE PMW Ch33 to 35 . SHD35		SPB.S	-	S078	TS2CC-28	35	078-3		CS-S078-3	HSSVMCB1	27	312100 P003	004	
-															
009	SPIRE PMW B04 GND Wire A2		SPX.-	-	S442	010B0-30					HSSVMCB1	27	312100 P003	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH	<h1>Pin Allocation List</h1> <p>(Harness)</p> <p>SPIRE</p>	Doc. No. : HP-2-ASED-IC-0016 Issue : 3.0 Date : 27.02.2009 Sheet : 458 (of 599)
Project: HERSCHEL		

Connector: 122300 P021
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P020

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PMW Ch01 to 04 . 1+		SPB.S -		S067	TS2CC-28	1	067-1			HSSVMCB1	27	312100 P003	026	
018	SPIRE PMW Ch01 to 04 . 1-		SPB.S -		S067	TS2CC-28	1	067-1			HSSVMCB1	27	312100 P003	037	
034	SPIRE PMW Ch01 to 04 . SHD01		SPB.S -		S067	TS2CC-28	1	067-1	CS-S067-1		HSSVMCB1	27	312100 P003	036	
-															
002	SPIRE PMW Ch01 to 04 . 2+		SPB.S -		S067	TS2CC-28	2	067-2			HSSVMCB1	27	312100 P003	038	
019	SPIRE PMW Ch01 to 04 . 2-		SPB.S -		S067	TS2CC-28	2	067-2			HSSVMCB1	27	312100 P003	049	
035	SPIRE PMW Ch01 to 04 . SHD02		SPB.S -		S067	TS2CC-28	2	067-2	CS-S067-2		HSSVMCB1	27	312100 P003	036	
-															
003	SPIRE PMW Ch01 to 04 . 3+		SPB.S -		S067	TS2CC-28	3	067-3			HSSVMCB1	27	312100 P003	048	
020	SPIRE PMW Ch01 to 04 . 3-		SPB.S -		S067	TS2CC-28	3	067-3			HSSVMCB1	27	312100 P003	060	
036	SPIRE PMW Ch01 to 04 . SHD03		SPB.S -		S067	TS2CC-28	3	067-3	CS-S067-3		HSSVMCB1	27	312100 P003	036	
-															
004	SPIRE PMW Ch01 to 04 . 4+		SPB.S -		S067	TS2CC-28	4	067-4			HSSVMCB1	27	312100 P003	059	
021	SPIRE PMW Ch01 to 04 . 4-		SPB.S -		S067	TS2CC-28	4	067-4			HSSVMCB1	27	312100 P003	071	
037	SPIRE PMW Ch01 to 04 . SHD04		SPB.S -		S067	TS2CC-28	4	067-4	CS-S067-4		HSSVMCB1	27	312100 P003	036	
-															
005	SPIRE PMW Ch05 to 08 . 5+		SPB.S -		S068	TS2CC-28	5	068-1			HSSVMCB1	27	312100 P003	050	
022	SPIRE PMW Ch05 to 08 . 5-		SPB.S -		S068	TS2CC-28	5	068-1			HSSVMCB1	27	312100 P003	061	
038	SPIRE PMW Ch05 to 08 . SHD05		SPB.S -		S068	TS2CC-28	5	068-1	CS-S068-1		HSSVMCB1	27	312100 P003	036	
-															
006	SPIRE PMW Ch05 to 08 . 6+		SPB.S -		S068	TS2CC-28	6	068-2			HSSVMCB1	27	312100 P003	062	
023	SPIRE PMW Ch05 to 08 . 6-		SPB.S -		S068	TS2CC-28	6	068-2			HSSVMCB1	27	312100 P003	051	
039	SPIRE PMW Ch05 to 08 . SHD06		SPB.S -		S068	TS2CC-28	6	068-2	CS-S068-2		HSSVMCB1	27	312100 P003	036	
-															
007	SPIRE PMW Ch05 to 08 . 7+		SPB.S -		S068	TS2CC-28	7	068-3			HSSVMCB1	27	312100 P003	063	
024	SPIRE PMW Ch05 to 08 . 7-		SPB.S -		S068	TS2CC-28	7	068-3			HSSVMCB1	27	312100 P003	075	
040	SPIRE PMW Ch05 to 08 . SHD07		SPB.S -		S068	TS2CC-28	7	068-3	CS-S068-3		HSSVMCB1	27	312100 P003	036	
-															
008	SPIRE PMW Ch05 to 08 . 8+		SPB.S -		S068	TS2CC-28	8	068-4			HSSVMCB1	27	312100 P003	074	
025	SPIRE PMW Ch05 to 08 . 8-		SPB.S -		S068	TS2CC-28	8	068-4			HSSVMCB1	27	312100 P003	073	
041	SPIRE PMW Ch05 to 08 . SHD08		SPB.S -		S068	TS2CC-28	8	068-4	CS-S068-4		HSSVMCB1	27	312100 P003	036	
-															
026	SPIRE PMW Ch09 to 12 . 9+		SPB.3 -		S069	TS2CC-28	9	069-1			HSSVMCB1	27	312100 P003	083	
010	SPIRE PMW Ch09 to 12 . 9-		SPB.3 -		S069	TS2CC-28	9	069-1			HSSVMCB1	27	312100 P003	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P020

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch09 to 12 . SHD09		SPB.3	-	S069	TS2CC-28	9	069-1		CS-S069-1	HSSVMCB1	27	312100 P003	036	
-															
027	SPIRE PMW Ch 13 to 16 . 13+		SPB.S	-	S072	TS2CC-28	13	072-1			HSSVMCB1	27	312100 P003	086	
011	SPIRE PMW Ch 13 to 16 . 13-		SPB.S	-	S072	TS2CC-28	13	072-1			HSSVMCB1	27	312100 P003	087	
044	SPIRE PMW Ch 13 to 16 . SHD13		SPB.S	-	S072	TS2CC-28	13	072-1		CS-S072-1	HSSVMCB1	27	312100 P003	036	
-															
028	SPIRE PMW Ch 13 to 16 . 14+		SPB.S	-	S072	TS2CC-28	14	072-2			HSSVMCB1	27	312100 P003	097	
012	SPIRE PMW Ch 13 to 16 . 14-		SPB.S	-	S072	TS2CC-28	14	072-2			HSSVMCB1	27	312100 P003	098	
045	SPIRE PMW Ch 13 to 16 . SHD14		SPB.S	-	S072	TS2CC-28	14	072-2		CS-S072-2	HSSVMCB1	27	312100 P003	036	
-															
029	SPIRE PMW Ch 13 to 16 . 15+		SPB.S	-	S072	TS2CC-28	15	072-3			HSSVMCB1	27	312100 P003	108	
013	SPIRE PMW Ch 13 to 16 . 15-		SPB.S	-	S072	TS2CC-28	15	072-3			HSSVMCB1	27	312100 P003	109	
046	SPIRE PMW Ch 13 to 16 . SHD15		SPB.S	-	S072	TS2CC-28	15	072-3		CS-S072-3	HSSVMCB1	27	312100 P003	036	
-															
030	SPIRE PMW Ch 13 to 16 . 16+		SPB.S	-	S072	TS2CC-28	16	072-4			HSSVMCB1	27	312100 P003	116	
014	SPIRE PMW Ch 13 to 16 . 16-		SPB.S	-	S072	TS2CC-28	16	072-4			HSSVMCB1	27	312100 P003	117	
047	SPIRE PMW Ch 13 to 16 . SHD16		SPB.S	-	S072	TS2CC-28	16	072-4		CS-S072-4	HSSVMCB1	27	312100 P003	036	
-															
009	SPIRE PMW B04 GND WIRE A1		SPX.-	-	S441	010B0-30					HSSVMCB1	27	312100 P003	036	
-															
031	SPIRE PMW Ch17 to 19 . 17+		SPB.5	-	S073	TS2CC-28	17	073-1			HSSVMCB1	27	312100 P003	055	
015	SPIRE PMW Ch17 to 19 . 17-		SPB.5	-	S073	TS2CC-28	17	073-1			HSSVMCB1	27	312100 P003	066	
048	SPIRE PMW Ch17 to 19 . SHD17		SPB.5	-	S073	TS2CC-28	17	073-1		CS-S073-1	HSSVMCB1	27	312100 P003	128	
-															
032	SPIRE PMW Ch17 to 19 . 18+		SPB.5	-	S073	TS2CC-28	18	073-2			HSSVMCB1	27	312100 P003	067	
016	SPIRE PMW Ch17 to 19 . 18-		SPB.5	-	S073	TS2CC-28	18	073-2			HSSVMCB1	27	312100 P003	078	
049	SPIRE PMW Ch17 to 19 . SHD18		SPB.5	-	S073	TS2CC-28	18	073-2		CS-S073-2	HSSVMCB1	27	312100 P003	128	
-															
033	SPIRE PMW Ch17 to 19 . 19+		SPB.5	-	S073	TS2CC-28	19	073-3			HSSVMCB1	27	312100 P003	076	
017	SPIRE PMW Ch17 to 19 . 19-		SPB.5	-	S073	TS2CC-28	19	073-3			HSSVMCB1	27	312100 P003	077	
050	SPIRE PMW Ch17 to 19 . SHD19		SPB.5	-	S073	TS2CC-28	19	073-3		CS-S073-3	HSSVMCB1	27	312100 P003	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P020
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-04

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P01B**Function / Bundle:** Spire Bundle 02/04 Link B SIH-XS-04**Conn.-Type:** 3401-00201B-DEMA-09P-NMB**Item:** HSSVMCB1**Backshell:** CA-04-09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SSW PTC Ch's . 1+		S3D.2 -		S053	TS2CC-28	49				HSDCU	17	122300 P022	031	
006	SPIRE SSW PTC Ch's . 1-		S3D.2 -		S053	TS2CC-28	49				HSDCU	17	122300 P022	015	
002	SPIRE SSW PTC Ch's . SHD49		S3D.2 -		S053	TS2CC-28	49			CS-S053-1	HSDCU	17	122300 P022	048	
-															
003	SPIRE SSW PTC Ch's . 2+		S3D.2 -		S053	TS2CC-28	50				HSDCU	17	122300 P022	032	
007	SPIRE SSW PTC Ch's . 2-		S3D.2 -		S053	TS2CC-28	50				HSDCU	17	122300 P022	016	
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	
-															
-															
004	SPIRE SSW PTC Ch's . 3+		S3D.2 -		S053	TS2CC-28	51				HSDCU	17	122300 P022	033	
005	SPIRE SSW PTC Ch's . 3-		S3D.2 -		S053	TS2CC-28	51				HSDCU	17	122300 P022	017	
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	
-															
008	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
002	to be con to pin 008														
-															
009	to be con as part of FCR (single pin !)									Faraday Cage Ring (FCR) (single pin !)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall shield (OOS)														2S

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PMW Ch01-04 . 1+		SPB.S -		S085	TS2CC-28	1	085-1			HSDCU	17	122300 P017	001	
037	SPIRE PMW Ch01-04 . 1-		SPB.S -		S085	TS2CC-28	1	085-1			HSDCU	17	122300 P017	018	
036	SPIRE PMW Ch01-04 . SHD01		SPB.S -		S085	TS2CC-28	1	085-1	CS-S085-1		HSDCU	17	122300 P017	034	
-															
038	SPIRE PMW Ch01-04 . 2+		SPB.S -		S085	TS2CC-28	2	085-2			HSDCU	17	122300 P017	002	
049	SPIRE PMW Ch01-04 . 2-		SPB.S -		S085	TS2CC-28	2	085-2			HSDCU	17	122300 P017	019	
036	SPIRE PMW Ch01-04 . SHD02		SPB.S -		S085	TS2CC-28	2	085-2	CS-S085-2		HSDCU	17	122300 P017	035	
-															
048	SPIRE PMW Ch01-04 . 3+		SPB.S -		S085	TS2CC-28	3	085-3			HSDCU	17	122300 P017	003	
060	SPIRE PMW Ch01-04 . 3-		SPB.S -		S085	TS2CC-28	3	085-3			HSDCU	17	122300 P017	020	
036	SPIRE PMW Ch01-04 . SHD03		SPB.S -		S085	TS2CC-28	3	085-3	CS-S085-3		HSDCU	17	122300 P017	036	
-															
059	SPIRE PMW Ch01-04 . 4+		SPB.S -		S085	TS2CC-28	4	085-4			HSDCU	17	122300 P017	004	
071	SPIRE PMW Ch01-04 . 4-		SPB.S -		S085	TS2CC-28	4	085-4			HSDCU	17	122300 P017	021	
036	SPIRE PMW Ch01-04 . SHD04		SPB.S -		S085	TS2CC-28	4	085-4	CS-S085-4		HSDCU	17	122300 P017	037	
-															
050	SPIRE PMW Ch05-08 . 5+		SPB.S -		S086	TS2CC-28	5	086-1			HSDCU	17	122300 P017	005	
061	SPIRE PMW Ch05-08 . 5-		SPB.S -		S086	TS2CC-28	5	086-1			HSDCU	17	122300 P017	022	
036	SPIRE PMW Ch05-08 . SHD05		SPB.S -		S086	TS2CC-28	5	086-1	CS-S086-1		HSDCU	17	122300 P017	038	
-															
062	SPIRE PMW Ch05-08 . 6+		SPB.S -		S086	TS2CC-28	6	086-2			HSDCU	17	122300 P017	006	
051	SPIRE PMW Ch05-08 . 6-		SPB.S -		S086	TS2CC-28	6	086-2			HSDCU	17	122300 P017	023	
036	SPIRE PMW Ch05-08 . SHD06		SPB.S -		S086	TS2CC-28	6	086-2	CS-S086-2		HSDCU	17	122300 P017	039	
-															
063	SPIRE PMW Ch05-08 . 7+		SPB.S -		S086	TS2CC-28	7	086-3			HSDCU	17	122300 P017	007	
075	SPIRE PMW Ch05-08 . 7-		SPB.S -		S086	TS2CC-28	7	086-3			HSDCU	17	122300 P017	024	
036	SPIRE PMW Ch05-08 . SHD07		SPB.S -		S086	TS2CC-28	7	086-3	CS-S086-3		HSDCU	17	122300 P017	040	
-															
074	SPIRE PMW Ch05-08 . 8+		SPB.S -		S086	TS2CC-28	8	086-4			HSDCU	17	122300 P017	008	
073	SPIRE PMW Ch05-08 . 8-		SPB.S -		S086	TS2CC-28	8	086-4			HSDCU	17	122300 P017	025	
036	SPIRE PMW Ch05-08 . SHD08		SPB.S -		S086	TS2CC-28	8	086-4	CS-S086-4		HSDCU	17	122300 P017	041	
-															
083	SPIRE PMW Ch09-12 . 9+		SPB.S -		S087	TS2CC-28	9	087-1			HSDCU	17	122300 P017	026	
072	SPIRE PMW Ch09-12 . 9-		SPB.S -		S087	TS2CC-28	9	087-1			HSDCU	17	122300 P017	010	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PMW Ch09-12 . SHD09		SPB.S	-	S087	TS2CC-28	9	087-1		CS-S087-1	HSDCU	17	122300 P017	043	
-															
095	SPIRE PMW Ch09-12 . 10+		SPB.S	-	S087	TS2CC-28	10	087-2			HSDCU	17	122300 P017	027	
084	SPIRE PMW Ch09-12 . 10-		SPB.S	-	S087	TS2CC-28	10	087-2			HSDCU	17	122300 P017	011	
036	SPIRE PMW Ch09-12 . SHD10		SPB.S	-	S087	TS2CC-28	10	087-2		CS-S087-2	HSDCU	17	122300 P017	044	
-															
096	SPIRE PMW Ch09-12 . 11+		SPB.S	-	S087	TS2CC-28	11	087-3			HSDCU	17	122300 P017	028	
085	SPIRE PMW Ch09-12 . 11-		SPB.S	-	S087	TS2CC-28	11	087-3			HSDCU	17	122300 P017	012	
036	SPIRE PMW Ch09-12 . SHD11		SPB.S	-	S087	TS2CC-28	11	087-3		CS-S087-3	HSDCU	17	122300 P017	045	
-															
106	SPIRE PMW Ch09-12 . 12+		SPB.S	-	S087	TS2CC-28	12	087-4			HSDCU	17	122300 P017	029	
107	SPIRE PMW Ch09-12 . 12-		SPB.S	-	S087	TS2CC-28	12	087-4			HSDCU	17	122300 P017	013	
036	SPIRE PMW Ch09-12 . SHD12		SPB.S	-	S087	TS2CC-28	12	087-4		CS-S087-4	HSDCU	17	122300 P017	046	
-															
086	SPIRE PMW Ch13-16 . 13+		SPB.S	-	S090	TS2CC-28	13	090-1			HSDCU	17	122300 P017	030	
087	SPIRE PMW Ch13-16 . 13-		SPB.S	-	S090	TS2CC-28	13	090-1			HSDCU	17	122300 P017	014	
036	SPIRE PMW Ch13-16 . SHD13		SPB.S	-	S090	TS2CC-28	13	090-1		CS-S090-1	HSDCU	17	122300 P017	047	
-															
097	SPIRE PMW Ch13-16 . 14+		SPB.S	-	S090	TS2CC-28	14	090-2			HSDCU	17	122300 P017	031	
098	SPIRE PMW Ch13-16 . 14-		SPB.S	-	S090	TS2CC-28	14	090-2			HSDCU	17	122300 P017	015	
036	SPIRE PMW Ch13-16 . SHD14		SPB.S	-	S090	TS2CC-28	14	090-2		CS-S090-2	HSDCU	17	122300 P017	048	
-															
108	SPIRE PMW Ch13-16 . 15+		SPB.S	-	S090	TS2CC-28	15	090-3			HSDCU	17	122300 P017	032	
109	SPIRE PMW Ch13-16 . 15-		SPB.S	-	S090	TS2CC-28	15	090-3			HSDCU	17	122300 P017	016	
036	SPIRE PMW Ch13-16 . SHD15		SPB.S	-	S090	TS2CC-28	15	090-3		CS-S090-3	HSDCU	17	122300 P017	049	
-															
116	SPIRE PMW Ch13-16 . 16+		SPB.S	-	S090	TS2CC-28	16	090-4			HSDCU	17	122300 P017	033	
117	SPIRE PMW Ch13-16 . 16-		SPB.S	-	S090	TS2CC-28	16	090-4			HSDCU	17	122300 P017	017	
036	SPIRE PMW Ch13-16 . SHD16		SPB.S	-	S090	TS2CC-28	16	090-4		CS-S090-4	HSDCU	17	122300 P017	050	
-															
036	SPIRE PMW B05 GND WIRE A1		SPX.S	-	S451	T01C0-26					HSDCU	17	122300 P017	009	
-															
055	SPIRE PMW Ch17-20 . 17+		SPB.S	-	S091	TS2CC-28	17	091-1			HSDCU	17	122300 P018	001	
066	SPIRE PMW Ch17-20 . 17-		SPB.S	-	S091	TS2CC-28	17	091-1			HSDCU	17	122300 P018	018	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PMW Ch17-20 . SHD17		SPB.S -		S091	TS2CC-28	17	091-1		CS-S091-1	HSDCU	17	122300 P018	034	
-															
067	SPIRE PMW Ch17-20 . 18+		SPB.S -		S091	TS2CC-28	18	091-2			HSDCU	17	122300 P018	002	
078	SPIRE PMW Ch17-20 . 18-		SPB.S -		S091	TS2CC-28	18	091-2			HSDCU	17	122300 P018	019	
128	SPIRE PMW Ch17-20 . SHD18		SPB.S -		S091	TS2CC-28	18	091-2		CS-S091-2	HSDCU	17	122300 P018	035	
-															
076	SPIRE PMW Ch17-20 . 19+		SPB.S -		S091	TS2CC-28	19	091-3			HSDCU	17	122300 P018	003	
077	SPIRE PMW Ch17-20 . 19-		SPB.S -		S091	TS2CC-28	19	091-3			HSDCU	17	122300 P018	020	
128	SPIRE PMW Ch17-20 . SHD19		SPB.S -		S091	TS2CC-28	19	091-3		CS-S091-3	HSDCU	17	122300 P018	036	
-															
088	SPIRE PMW Ch17-20 . 20+		SPB.S -		S091	TS2CC-28	20	091-4			HSDCU	17	122300 P018	004	
089	SPIRE PMW Ch17-20 . 20-		SPB.S -		S091	TS2CC-28	20	091-4			HSDCU	17	122300 P018	021	
128	SPIRE PMW Ch17-20 . SHD20		SPB.S -		S091	TS2CC-28	20	091-4		CS-S091-4	HSDCU	17	122300 P018	037	
-															
099	SPIRE PMW Ch21-24 . 21+		SPB.S -		S092	TS2CC-28	21	092-1			HSDCU	17	122300 P018	005	
100	SPIRE PMW Ch21-24 . 21-		SPB.S -		S092	TS2CC-28	21	092-1			HSDCU	17	122300 P018	022	
128	SPIRE PMW Ch21-24 . SHD21		SPB.S -		S092	TS2CC-28	21	092-1		CS-S092-1	HSDCU	17	122300 P018	038	
-															
110	SPIRE PMW Ch21-24 . 22+		SPB.S -		S092	TS2CC-28	22	092-2			HSDCU	17	122300 P018	006	
111	SPIRE PMW Ch21-24 . 22-		SPB.S -		S092	TS2CC-28	22	092-2			HSDCU	17	122300 P018	023	
128	SPIRE PMW Ch21-24 . SHD22		SPB.S -		S092	TS2CC-28	22	092-2		CS-S092-2	HSDCU	17	122300 P018	039	
-															
118	SPIRE PMW Ch21-24 . 23+		SPB.S -		S092	TS2CC-28	23	092-3			HSDCU	17	122300 P018	007	
119	SPIRE PMW Ch21-24 . 23-		SPB.S -		S092	TS2CC-28	23	092-3			HSDCU	17	122300 P018	024	
128	SPIRE PMW Ch21-24 . SHD23		SPB.S -		S092	TS2CC-28	23	092-3		CS-S092-3	HSDCU	17	122300 P018	040	
-															
112	SPIRE PMW Ch21-24 . 24+		SPB.S -		S092	TS2CC-28	24	092-4			HSDCU	17	122300 P018	008	
120	SPIRE PMW Ch21-24 . 24-		SPB.S -		S092	TS2CC-28	24	092-4			HSDCU	17	122300 P018	025	
128	SPIRE PMW Ch21-24 . SHD24		SPB.S -		S092	TS2CC-28	24	092-4		CS-S092-4	HSDCU	17	122300 P018	041	
-															
090	SPIRE PMW Ch25-28 . 25+		SPB.S -		S094	TS2CC-28	25	094-1			HSDCU	17	122300 P018	026	
079	SPIRE PMW Ch25-28 . 25-		SPB.S -		S094	TS2CC-28	25	094-1			HSDCU	17	122300 P018	010	
128	SPIRE PMW Ch25-28 . SHD25		SPB.S -		S094	TS2CC-28	25	094-1		CS-S094-1	HSDCU	17	122300 P018	043	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PMW Ch25-28 . 26+		SPB.S -		S094	TS2CC-28	26	094-2		HSDCU	17	122300 P018	027		
101	SPIRE PMW Ch25-28 . 26-		SPB.S -		S094	TS2CC-28	26	094-2		HSDCU	17	122300 P018	011		
128	SPIRE PMW Ch25-28 . SHD26		SPB.S -		S094	TS2CC-28	26	094-2	CS-S094-2	HSDCU	17	122300 P018	044		
-															
092	SPIRE PMW Ch25-28 . 27+		SPB.S -		S094	TS2CC-28	27	094-3		HSDCU	17	122300 P018	028		
091	SPIRE PMW Ch25-28 . 27-		SPB.S -		S094	TS2CC-28	27	094-3		HSDCU	17	122300 P018	012		
128	SPIRE PMW Ch25-28 . SHD27		SPB.S -		S094	TS2CC-28	27	094-3	CS-S094-3	HSDCU	17	122300 P018	045		
-															
103	SPIRE PMW Ch25-28 . 28+		SPB.S -		S094	TS2CC-28	28	094-4		HSDCU	17	122300 P018	029		
113	SPIRE PMW Ch25-28 . 28-		SPB.S -		S094	TS2CC-28	28	094-4		HSDCU	17	122300 P018	013		
128	SPIRE PMW Ch25-28 . SHD28		SPB.S -		S094	TS2CC-28	28	094-4	CS-S094-4	HSDCU	17	122300 P018	046		
-															
058	SPIRE PMW Ch29-32 . 29+		SPB.S -		S095	TS2CC-28	29	095-1		HSDCU	17	122300 P018	030		
046	SPIRE PMW Ch29-32 . 29-		SPB.S -		S095	TS2CC-28	29	095-1		HSDCU	17	122300 P018	014		
128	SPIRE PMW Ch29-32 . SHD29		SPB.S -		S095	TS2CC-28	29	095-1	CS-S095-1	HSDCU	17	122300 P018	047		
-															
068	SPIRE PMW Ch29-32 . 30+		SPB.S -		S095	TS2CC-28	30	095-2		HSDCU	17	122300 P018	031		
057	SPIRE PMW Ch29-32 . 30-		SPB.S -		S095	TS2CC-28	30	095-2		HSDCU	17	122300 P018	015		
128	SPIRE PMW Ch29-32 . SHD30		SPB.S -		S095	TS2CC-28	30	095-2	CS-S095-2	HSDCU	17	122300 P018	048		
-															
069	SPIRE PMW Ch29-32 . 31+		SPB.S -		S095	TS2CC-28	31	095-3		HSDCU	17	122300 P018	032		
080	SPIRE PMW Ch29-32 . 31-		SPB.S -		S095	TS2CC-28	31	095-3		HSDCU	17	122300 P018	016		
128	SPIRE PMW Ch29-32 . SHD31		SPB.S -		S095	TS2CC-28	31	095-3	CS-S095-3	HSDCU	17	122300 P018	049		
-															
070	SPIRE PMW Ch29-32 . 32+		SPB.S -		S095	TS2CC-28	32	095-4		HSDCU	17	122300 P018	033		
081	SPIRE PMW Ch29-32 . 32-		SPB.S -		S095	TS2CC-28	32	095-4		HSDCU	17	122300 P018	017		
128	SPIRE PMW Ch29-32 . SHD32		SPB.S -		S095	TS2CC-28	32	095-4	CS-S095-4	HSDCU	17	122300 P018	050		
-															
128	SPIRE PMW B05 GND WIRE A2		SPX.S -		S452	T01C0-26				HSDCU	17	122300 P018	009		
-															
023	SPIRE PMW Ch33-36 . 33+		SPB.S -		S096	TS2CC-28	33	096-1		HSDCU	17	122300 P019	001		
034	SPIRE PMW Ch33-36 . 33-		SPB.S -		S096	TS2CC-28	33	096-1		HSDCU	17	122300 P019	018		
004	SPIRE PMW Ch33-36 . SHD33		SPB.S -		S096	TS2CC-28	33	096-1	CS-S096-1	HSDCU	17	122300 P019	034		
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PMW Ch33-36 . 34+		SPB.S -		S096	TS2CC-28	34	096-2			HSDCU	17	122300 P019	002	
045	SPIRE PMW Ch33-36 . 34-		SPB.S -		S096	TS2CC-28	34	096-2			HSDCU	17	122300 P019	019	
004	SPIRE PMW Ch33-36 . SHD34		SPB.S -		S096	TS2CC-28	34	096-2	CS-S096-2		HSDCU	17	122300 P019	035	
-															
044	SPIRE PMW Ch33-36 . 35+		SPB.S -		S096	TS2CC-28	35	096-3			HSDCU	17	122300 P019	003	
056	SPIRE PMW Ch33-36 . 35-		SPB.S -		S096	TS2CC-28	35	096-3			HSDCU	17	122300 P019	020	
004	SPIRE PMW Ch33-36 . SHD35		SPB.S -		S096	TS2CC-28	35	096-3	CS-S096-3		HSDCU	17	122300 P019	036	
-															
022	SPIRE PMW Ch33-36 . 36+		SPB.S -		S096	TS2CC-28	36	096-4			HSDCU	17	122300 P019	004	
032	SPIRE PMW Ch33-36 . 36-		SPB.S -		S096	TS2CC-28	36	096-4			HSDCU	17	122300 P019	021	
004	SPIRE PMW Ch33-36 . SHD36		SPB.S -		S096	TS2CC-28	36	096-4	CS-S096-4		HSDCU	17	122300 P019	037	
-															
013	SPIRE PMW Ch37-40 . 37+		SPB.S -		S099	TS2CC-28	37	099-1			HSDCU	17	122300 P019	005	
012	SPIRE PMW Ch37-40 . 37-		SPB.S -		S099	TS2CC-28	37	099-1			HSDCU	17	122300 P019	022	
004	SPIRE PMW Ch37-40 . SHD37		SPB.S -		S099	TS2CC-28	37	099-1	CS-S099-1		HSDCU	17	122300 P019	038	
-															
021	SPIRE PMW Ch37-40 . 38+		SPB.S -		S099	TS2CC-28	38	099-2			HSDCU	17	122300 P019	006	
020	SPIRE PMW Ch37-40 . 38-		SPB.S -		S099	TS2CC-28	38	099-2			HSDCU	17	122300 P019	023	
004	SPIRE PMW Ch37-40 . SHD38		SPB.S -		S099	TS2CC-28	38	099-2	CS-S099-2		HSDCU	17	122300 P019	039	
-															
031	SPIRE PMW Ch37-40 . 39+		SPB.S -		S099	TS2CC-28	39	099-3			HSDCU	17	122300 P019	007	
043	SPIRE PMW Ch37-40 . 39-		SPB.S -		S099	TS2CC-28	39	099-3			HSDCU	17	122300 P019	024	
004	SPIRE PMW Ch37-40 . SHD39		SPB.S -		S099	TS2CC-28	39	099-3	CS-S099-3		HSDCU	17	122300 P019	040	
-															
042	SPIRE PMW Ch37-40 . 40+		SPB.S -		S099	TS2CC-28	40	099-4			HSDCU	17	122300 P019	008	
054	SPIRE PMW Ch37-40 . 40-		SPB.S -		S099	TS2CC-28	40	099-4			HSDCU	17	122300 P019	025	
004	SPIRE PMW Ch37-40 . SHD40		SPB.S -		S099	TS2CC-28	40	099-4	CS-S099-4		HSDCU	17	122300 P019	041	
-															
010	SPIRE PMW Ch41-44 . 41+		SPB.S -		S100	TS2CC-28	41	100-1			HSDCU	17	122300 P019	026	
011	SPIRE PMW Ch41-44 . 41-		SPB.S -		S100	TS2CC-28	41	100-1			HSDCU	17	122300 P019	010	
004	SPIRE PMW Ch41-44 . SHD41		SPB.S -		S100	TS2CC-28	41	100-1	CS-S100-1		HSDCU	17	122300 P019	043	
-															
019	SPIRE PMW Ch41-44 . 42+		SPB.S -		S100	TS2CC-28	42	100-2			HSDCU	17	122300 P019	027	
029	SPIRE PMW Ch41-44 . 42-		SPB.S -		S100	TS2CC-28	42	100-2			HSDCU	17	122300 P019	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 312100 P002

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

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB1

Backshell: 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PMW Ch41-44 . SHD42		SPB.S	-	S100	TS2CC-28	42	100-2		CS-S100-2	HSDCU	17	122300 P019	044	
-															
041	SPIRE PMW Ch41-44 . 43+		SPB.S	-	S100	TS2CC-28	43	100-3			HSDCU	17	122300 P019	028	
030	SPIRE PMW Ch41-44 . 43-		SPB.S	-	S100	TS2CC-28	43	100-3			HSDCU	17	122300 P019	012	
004	SPIRE PMW Ch41-44 . SHD43		SPB.S	-	S100	TS2CC-28	43	100-3		CS-S100-3	HSDCU	17	122300 P019	045	
-															
053	SPIRE PMW Ch41-44 . 44+		SPB.S	-	S100	TS2CC-28	44	100-4			HSDCU	17	122300 P019	029	
052	SPIRE PMW Ch41-44 . 44-		SPB.S	-	S100	TS2CC-28	44	100-4			HSDCU	17	122300 P019	013	
004	SPIRE PMW Ch41-44 . SHD44		SPB.S	-	S100	TS2CC-28	44	100-4		CS-S100-4	HSDCU	17	122300 P019	046	
-															
009	SPIRE PMW Ch45-48 . 45+		SPB.S	-	S101	TS2CC-28	45	101-1			HSDCU	17	122300 P019	030	
017	SPIRE PMW Ch45-48 . 45-		SPB.S	-	S101	TS2CC-28	45	101-1			HSDCU	17	122300 P019	014	
004	SPIRE PMW Ch45-48 . SHD45		SPB.S	-	S101	TS2CC-28	45	101-1		CS-S101-1	HSDCU	17	122300 P019	047	
-															
018	SPIRE PMW Ch45-48 . 46+		SPB.S	-	S101	TS2CC-28	46	101-2			HSDCU	17	122300 P019	031	
028	SPIRE PMW Ch45-48 . 46-		SPB.S	-	S101	TS2CC-28	46	101-2			HSDCU	17	122300 P019	015	
004	SPIRE PMW Ch45-48 . SHD46		SPB.S	-	S101	TS2CC-28	46	101-2		CS-S101-2	HSDCU	17	122300 P019	048	
-															
016	SPIRE PMW Ch45-48 . 47+		SPB.S	-	S101	TS2CC-28	47	101-3			HSDCU	17	122300 P019	032	
027	SPIRE PMW Ch45-48 . 47-		SPB.S	-	S101	TS2CC-28	47	101-3			HSDCU	17	122300 P019	016	
004	SPIRE PMW Ch45-48 . SHD47		SPB.S	-	S101	TS2CC-28	47	101-3		CS-S101-3	HSDCU	17	122300 P019	049	
-															
040	SPIRE PMW Ch45-48 . 48+		SPB.S	-	S101	TS2CC-28	48	101-4			HSDCU	17	122300 P019	033	
039	SPIRE PMW Ch45-48 . 48-		SPB.S	-	S101	TS2CC-28	48	101-4			HSDCU	17	122300 P019	017	
004	SPIRE PMW Ch45-48 . SHD48		SPB.S	-	S101	TS2CC-28	48	101-4		CS-S101-4	HSDCU	17	122300 P019	050	
-															
004	SPIRE PMW B05 GND WIRE A4		SPX.S	-	S454	T01C0-26					HSDCU	17	122300 P019	009	
-															
047	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
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)
SPIRE

Connector: 312100 P002**Function / Bundle:** SPIRE SVM CB1 SIH-XS-05**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB1**Backshell:** 380 FS 007 M 24 07

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
005	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
024	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P019**Function / Bundle:** DCU JFP SIH-XS-05**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
001	SPIRE PMW Ch33-36 . 33+		SPB.S -		S096	TS2CC-28	33	096-1		HSSVMCB1	27	312100 P002	023	
018	SPIRE PMW Ch33-36 . 33-		SPB.S -		S096	TS2CC-28	33	096-1		HSSVMCB1	27	312100 P002	034	
034	SPIRE PMW Ch33-36 . SHD33		SPB.S -		S096	TS2CC-28	33	096-1	CS-S096-1	HSSVMCB1	27	312100 P002	004	
-														
002	SPIRE PMW Ch33-36 . 34+		SPB.S -		S096	TS2CC-28	34	096-2		HSSVMCB1	27	312100 P002	033	
019	SPIRE PMW Ch33-36 . 34-		SPB.S -		S096	TS2CC-28	34	096-2		HSSVMCB1	27	312100 P002	045	
035	SPIRE PMW Ch33-36 . SHD34		SPB.S -		S096	TS2CC-28	34	096-2	CS-S096-2	HSSVMCB1	27	312100 P002	004	
-														
003	SPIRE PMW Ch33-36 . 35+		SPB.S -		S096	TS2CC-28	35	096-3		HSSVMCB1	27	312100 P002	044	
020	SPIRE PMW Ch33-36 . 35-		SPB.S -		S096	TS2CC-28	35	096-3		HSSVMCB1	27	312100 P002	056	
036	SPIRE PMW Ch33-36 . SHD35		SPB.S -		S096	TS2CC-28	35	096-3	CS-S096-3	HSSVMCB1	27	312100 P002	004	
-														
004	SPIRE PMW Ch33-36 . 36+		SPB.S -		S096	TS2CC-28	36	096-4		HSSVMCB1	27	312100 P002	022	
021	SPIRE PMW Ch33-36 . 36-		SPB.S -		S096	TS2CC-28	36	096-4		HSSVMCB1	27	312100 P002	032	
037	SPIRE PMW Ch33-36 . SHD36		SPB.S -		S096	TS2CC-28	36	096-4	CS-S096-4	HSSVMCB1	27	312100 P002	004	
-														
005	SPIRE PMW Ch37-40 . 37+		SPB.S -		S099	TS2CC-28	37	099-1		HSSVMCB1	27	312100 P002	013	
022	SPIRE PMW Ch37-40 . 37-		SPB.S -		S099	TS2CC-28	37	099-1		HSSVMCB1	27	312100 P002	012	
038	SPIRE PMW Ch37-40 . SHD37		SPB.S -		S099	TS2CC-28	37	099-1	CS-S099-1	HSSVMCB1	27	312100 P002	004	
-														
006	SPIRE PMW Ch37-40 . 38+		SPB.S -		S099	TS2CC-28	38	099-2		HSSVMCB1	27	312100 P002	021	
023	SPIRE PMW Ch37-40 . 38-		SPB.S -		S099	TS2CC-28	38	099-2		HSSVMCB1	27	312100 P002	020	
039	SPIRE PMW Ch37-40 . SHD38		SPB.S -		S099	TS2CC-28	38	099-2	CS-S099-2	HSSVMCB1	27	312100 P002	004	
-														
007	SPIRE PMW Ch37-40 . 39+		SPB.S -		S099	TS2CC-28	39	099-3		HSSVMCB1	27	312100 P002	031	
024	SPIRE PMW Ch37-40 . 39-		SPB.S -		S099	TS2CC-28	39	099-3		HSSVMCB1	27	312100 P002	043	
040	SPIRE PMW Ch37-40 . SHD39		SPB.S -		S099	TS2CC-28	39	099-3	CS-S099-3	HSSVMCB1	27	312100 P002	004	
-														
008	SPIRE PMW Ch37-40 . 40+		SPB.S -		S099	TS2CC-28	40	099-4		HSSVMCB1	27	312100 P002	042	
025	SPIRE PMW Ch37-40 . 40-		SPB.S -		S099	TS2CC-28	40	099-4		HSSVMCB1	27	312100 P002	054	
041	SPIRE PMW Ch37-40 . SHD40		SPB.S -		S099	TS2CC-28	40	099-4	CS-S099-4	HSSVMCB1	27	312100 P002	004	
-														
026	SPIRE PMW Ch41-44 . 41+		SPB.S -		S100	TS2CC-28	41	100-1		HSSVMCB1	27	312100 P002	010	
010	SPIRE PMW Ch41-44 . 41-		SPB.S -		S100	TS2CC-28	41	100-1		HSSVMCB1	27	312100 P002	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P019**Function / Bundle:** DCU JFP SIH-XS-05**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch41-44 . SHD41		SPB.S	-	S100	TS2CC-28	41	100-1		CS-S100-1	HSSVMCB1	27	312100 P002	004	
-															
027	SPIRE PMW Ch41-44 . 42+		SPB.S	-	S100	TS2CC-28	42	100-2			HSSVMCB1	27	312100 P002	019	
011	SPIRE PMW Ch41-44 . 42-		SPB.S	-	S100	TS2CC-28	42	100-2			HSSVMCB1	27	312100 P002	029	
044	SPIRE PMW Ch41-44 . SHD42		SPB.S	-	S100	TS2CC-28	42	100-2		CS-S100-2	HSSVMCB1	27	312100 P002	004	
-															
028	SPIRE PMW Ch41-44 . 43+		SPB.S	-	S100	TS2CC-28	43	100-3			HSSVMCB1	27	312100 P002	041	
012	SPIRE PMW Ch41-44 . 43-		SPB.S	-	S100	TS2CC-28	43	100-3			HSSVMCB1	27	312100 P002	030	
045	SPIRE PMW Ch41-44 . SHD43		SPB.S	-	S100	TS2CC-28	43	100-3		CS-S100-3	HSSVMCB1	27	312100 P002	004	
-															
029	SPIRE PMW Ch41-44 . 44+		SPB.S	-	S100	TS2CC-28	44	100-4			HSSVMCB1	27	312100 P002	053	
013	SPIRE PMW Ch41-44 . 44-		SPB.S	-	S100	TS2CC-28	44	100-4			HSSVMCB1	27	312100 P002	052	
046	SPIRE PMW Ch41-44 . SHD44		SPB.S	-	S100	TS2CC-28	44	100-4		CS-S100-4	HSSVMCB1	27	312100 P002	004	
-															
030	SPIRE PMW Ch45-48 . 45+		SPB.S	-	S101	TS2CC-28	45	101-1			HSSVMCB1	27	312100 P002	009	
014	SPIRE PMW Ch45-48 . 45-		SPB.S	-	S101	TS2CC-28	45	101-1			HSSVMCB1	27	312100 P002	017	
047	SPIRE PMW Ch45-48 . SHD45		SPB.S	-	S101	TS2CC-28	45	101-1		CS-S101-1	HSSVMCB1	27	312100 P002	004	
-															
031	SPIRE PMW Ch45-48 . 46+		SPB.S	-	S101	TS2CC-28	46	101-2			HSSVMCB1	27	312100 P002	018	
015	SPIRE PMW Ch45-48 . 46-		SPB.S	-	S101	TS2CC-28	46	101-2			HSSVMCB1	27	312100 P002	028	
048	SPIRE PMW Ch45-48 . SHD46		SPB.S	-	S101	TS2CC-28	46	101-2		CS-S101-2	HSSVMCB1	27	312100 P002	004	
-															
032	SPIRE PMW Ch45-48 . 47+		SPB.S	-	S101	TS2CC-28	47	101-3			HSSVMCB1	27	312100 P002	016	
016	SPIRE PMW Ch45-48 . 47-		SPB.S	-	S101	TS2CC-28	47	101-3			HSSVMCB1	27	312100 P002	027	
049	SPIRE PMW Ch45-48 . SHD47		SPB.S	-	S101	TS2CC-28	47	101-3		CS-S101-3	HSSVMCB1	27	312100 P002	004	
-															
033	SPIRE PMW Ch45-48 . 48+		SPB.S	-	S101	TS2CC-28	48	101-4			HSSVMCB1	27	312100 P002	040	
017	SPIRE PMW Ch45-48 . 48-		SPB.S	-	S101	TS2CC-28	48	101-4			HSSVMCB1	27	312100 P002	039	
050	SPIRE PMW Ch45-48 . SHD48		SPB.S	-	S101	TS2CC-28	48	101-4		CS-S101-4	HSSVMCB1	27	312100 P002	004	
-															
009	SPIRE PMW B05 GND WIRE A4		SPX.S	-	S454	T01C0-26					HSSVMCB1	27	312100 P002	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH	<h1>Pin Allocation List</h1> <p>(Harness)</p> <p>SPIRE</p>	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 472 (of 599)

Connector: 122300 P019
Item: HSDCU

Function / Bundle: DCU JFP SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P018

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
001	SPIRE PMW Ch17-20 . 17+		SPB.S -		S091	TS2CC-28	17	091-1		HSSVMCB1	27	312100 P002	055	
018	SPIRE PMW Ch17-20 . 17-		SPB.S -		S091	TS2CC-28	17	091-1		HSSVMCB1	27	312100 P002	066	
034	SPIRE PMW Ch17-20 . SHD17		SPB.S -		S091	TS2CC-28	17	091-1	CS-S091-1	HSSVMCB1	27	312100 P002	128	
-														
002	SPIRE PMW Ch17-20 . 18+		SPB.S -		S091	TS2CC-28	18	091-2		HSSVMCB1	27	312100 P002	067	
019	SPIRE PMW Ch17-20 . 18-		SPB.S -		S091	TS2CC-28	18	091-2		HSSVMCB1	27	312100 P002	078	
035	SPIRE PMW Ch17-20 . SHD18		SPB.S -		S091	TS2CC-28	18	091-2	CS-S091-2	HSSVMCB1	27	312100 P002	128	
-														
003	SPIRE PMW Ch17-20 . 19+		SPB.S -		S091	TS2CC-28	19	091-3		HSSVMCB1	27	312100 P002	076	
020	SPIRE PMW Ch17-20 . 19-		SPB.S -		S091	TS2CC-28	19	091-3		HSSVMCB1	27	312100 P002	077	
036	SPIRE PMW Ch17-20 . SHD19		SPB.S -		S091	TS2CC-28	19	091-3	CS-S091-3	HSSVMCB1	27	312100 P002	128	
-														
004	SPIRE PMW Ch17-20 . 20+		SPB.S -		S091	TS2CC-28	20	091-4		HSSVMCB1	27	312100 P002	088	
021	SPIRE PMW Ch17-20 . 20-		SPB.S -		S091	TS2CC-28	20	091-4		HSSVMCB1	27	312100 P002	089	
037	SPIRE PMW Ch17-20 . SHD20		SPB.S -		S091	TS2CC-28	20	091-4	CS-S091-4	HSSVMCB1	27	312100 P002	128	
-														
005	SPIRE PMW Ch21-24 . 21+		SPB.S -		S092	TS2CC-28	21	092-1		HSSVMCB1	27	312100 P002	099	
022	SPIRE PMW Ch21-24 . 21-		SPB.S -		S092	TS2CC-28	21	092-1		HSSVMCB1	27	312100 P002	100	
038	SPIRE PMW Ch21-24 . SHD21		SPB.S -		S092	TS2CC-28	21	092-1	CS-S092-1	HSSVMCB1	27	312100 P002	128	
-														
006	SPIRE PMW Ch21-24 . 22+		SPB.S -		S092	TS2CC-28	22	092-2		HSSVMCB1	27	312100 P002	110	
023	SPIRE PMW Ch21-24 . 22-		SPB.S -		S092	TS2CC-28	22	092-2		HSSVMCB1	27	312100 P002	111	
039	SPIRE PMW Ch21-24 . SHD22		SPB.S -		S092	TS2CC-28	22	092-2	CS-S092-2	HSSVMCB1	27	312100 P002	128	
-														
007	SPIRE PMW Ch21-24 . 23+		SPB.S -		S092	TS2CC-28	23	092-3		HSSVMCB1	27	312100 P002	118	
024	SPIRE PMW Ch21-24 . 23-		SPB.S -		S092	TS2CC-28	23	092-3		HSSVMCB1	27	312100 P002	119	
040	SPIRE PMW Ch21-24 . SHD23		SPB.S -		S092	TS2CC-28	23	092-3	CS-S092-3	HSSVMCB1	27	312100 P002	128	
-														
008	SPIRE PMW Ch21-24 . 24+		SPB.S -		S092	TS2CC-28	24	092-4		HSSVMCB1	27	312100 P002	112	
025	SPIRE PMW Ch21-24 . 24-		SPB.S -		S092	TS2CC-28	24	092-4		HSSVMCB1	27	312100 P002	120	
041	SPIRE PMW Ch21-24 . SHD24		SPB.S -		S092	TS2CC-28	24	092-4	CS-S092-4	HSSVMCB1	27	312100 P002	128	
-														
026	SPIRE PMW Ch25-28 . 25+		SPB.S -		S094	TS2CC-28	25	094-1		HSSVMCB1	27	312100 P002	090	
010	SPIRE PMW Ch25-28 . 25-		SPB.S -		S094	TS2CC-28	25	094-1		HSSVMCB1	27	312100 P002	079	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P018

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch25-28 . SHD25		SPB.S	-	S094	TS2CC-28	25	094-1		CS-S094-1	HSSVMCB1	27	312100 P002	128	
-															
027	SPIRE PMW Ch25-28 . 26+		SPB.S	-	S094	TS2CC-28	26	094-2			HSSVMCB1	27	312100 P002	102	
011	SPIRE PMW Ch25-28 . 26-		SPB.S	-	S094	TS2CC-28	26	094-2			HSSVMCB1	27	312100 P002	101	
044	SPIRE PMW Ch25-28 . SHD26		SPB.S	-	S094	TS2CC-28	26	094-2		CS-S094-2	HSSVMCB1	27	312100 P002	128	
-															
028	SPIRE PMW Ch25-28 . 27+		SPB.S	-	S094	TS2CC-28	27	094-3			HSSVMCB1	27	312100 P002	092	
012	SPIRE PMW Ch25-28 . 27-		SPB.S	-	S094	TS2CC-28	27	094-3			HSSVMCB1	27	312100 P002	091	
045	SPIRE PMW Ch25-28 . SHD27		SPB.S	-	S094	TS2CC-28	27	094-3		CS-S094-3	HSSVMCB1	27	312100 P002	128	
-															
029	SPIRE PMW Ch25-28 . 28+		SPB.S	-	S094	TS2CC-28	28	094-4			HSSVMCB1	27	312100 P002	103	
013	SPIRE PMW Ch25-28 . 28-		SPB.S	-	S094	TS2CC-28	28	094-4			HSSVMCB1	27	312100 P002	113	
046	SPIRE PMW Ch25-28 . SHD28		SPB.S	-	S094	TS2CC-28	28	094-4		CS-S094-4	HSSVMCB1	27	312100 P002	128	
-															
030	SPIRE PMW Ch29-32 . 29+		SPB.S	-	S095	TS2CC-28	29	095-1			HSSVMCB1	27	312100 P002	058	
014	SPIRE PMW Ch29-32 . 29-		SPB.S	-	S095	TS2CC-28	29	095-1			HSSVMCB1	27	312100 P002	046	
047	SPIRE PMW Ch29-32 . SHD29		SPB.S	-	S095	TS2CC-28	29	095-1		CS-S095-1	HSSVMCB1	27	312100 P002	128	
-															
031	SPIRE PMW Ch29-32 . 30+		SPB.S	-	S095	TS2CC-28	30	095-2			HSSVMCB1	27	312100 P002	068	
015	SPIRE PMW Ch29-32 . 30-		SPB.S	-	S095	TS2CC-28	30	095-2			HSSVMCB1	27	312100 P002	057	
048	SPIRE PMW Ch29-32 . SHD30		SPB.S	-	S095	TS2CC-28	30	095-2		CS-S095-2	HSSVMCB1	27	312100 P002	128	
-															
032	SPIRE PMW Ch29-32 . 31+		SPB.S	-	S095	TS2CC-28	31	095-3			HSSVMCB1	27	312100 P002	069	
016	SPIRE PMW Ch29-32 . 31-		SPB.S	-	S095	TS2CC-28	31	095-3			HSSVMCB1	27	312100 P002	080	
049	SPIRE PMW Ch29-32 . SHD31		SPB.S	-	S095	TS2CC-28	31	095-3		CS-S095-3	HSSVMCB1	27	312100 P002	128	
-															
033	SPIRE PMW Ch29-32 . 32+		SPB.S	-	S095	TS2CC-28	32	095-4			HSSVMCB1	27	312100 P002	070	
017	SPIRE PMW Ch29-32 . 32-		SPB.S	-	S095	TS2CC-28	32	095-4			HSSVMCB1	27	312100 P002	081	
050	SPIRE PMW Ch29-32 . SHD32		SPB.S	-	S095	TS2CC-28	32	095-4		CS-S095-4	HSSVMCB1	27	312100 P002	128	
-															
009	SPIRE PMW B05 GND WIRE A2		SPX.S	-	S452	T01C0-26					HSSVMCB1	27	312100 P002	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P018
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P017**Function / Bundle:** DCU JFP PMW SIH-XS-05**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PMW Ch01-04 . 1+		SPB.S -		S085	TS2CC-28	1	085-1			HSSVMCB1	27	312100 P002	026	
018	SPIRE PMW Ch01-04 . 1-		SPB.S -		S085	TS2CC-28	1	085-1			HSSVMCB1	27	312100 P002	037	
034	SPIRE PMW Ch01-04 . SHD01		SPB.S -		S085	TS2CC-28	1	085-1	CS-S085-1		HSSVMCB1	27	312100 P002	036	
-															
002	SPIRE PMW Ch01-04 . 2+		SPB.S -		S085	TS2CC-28	2	085-2			HSSVMCB1	27	312100 P002	038	
019	SPIRE PMW Ch01-04 . 2-		SPB.S -		S085	TS2CC-28	2	085-2			HSSVMCB1	27	312100 P002	049	
035	SPIRE PMW Ch01-04 . SHD02		SPB.S -		S085	TS2CC-28	2	085-2	CS-S085-2		HSSVMCB1	27	312100 P002	036	
-															
003	SPIRE PMW Ch01-04 . 3+		SPB.S -		S085	TS2CC-28	3	085-3			HSSVMCB1	27	312100 P002	048	
020	SPIRE PMW Ch01-04 . 3-		SPB.S -		S085	TS2CC-28	3	085-3			HSSVMCB1	27	312100 P002	060	
036	SPIRE PMW Ch01-04 . SHD03		SPB.S -		S085	TS2CC-28	3	085-3	CS-S085-3		HSSVMCB1	27	312100 P002	036	
-															
004	SPIRE PMW Ch01-04 . 4+		SPB.S -		S085	TS2CC-28	4	085-4			HSSVMCB1	27	312100 P002	059	
021	SPIRE PMW Ch01-04 . 4-		SPB.S -		S085	TS2CC-28	4	085-4			HSSVMCB1	27	312100 P002	071	
037	SPIRE PMW Ch01-04 . SHD04		SPB.S -		S085	TS2CC-28	4	085-4	CS-S085-4		HSSVMCB1	27	312100 P002	036	
-															
005	SPIRE PMW Ch05-08 . 5+		SPB.S -		S086	TS2CC-28	5	086-1			HSSVMCB1	27	312100 P002	050	
022	SPIRE PMW Ch05-08 . 5-		SPB.S -		S086	TS2CC-28	5	086-1			HSSVMCB1	27	312100 P002	061	
038	SPIRE PMW Ch05-08 . SHD05		SPB.S -		S086	TS2CC-28	5	086-1	CS-S086-1		HSSVMCB1	27	312100 P002	036	
-															
006	SPIRE PMW Ch05-08 . 6+		SPB.S -		S086	TS2CC-28	6	086-2			HSSVMCB1	27	312100 P002	062	
023	SPIRE PMW Ch05-08 . 6-		SPB.S -		S086	TS2CC-28	6	086-2			HSSVMCB1	27	312100 P002	051	
039	SPIRE PMW Ch05-08 . SHD06		SPB.S -		S086	TS2CC-28	6	086-2	CS-S086-2		HSSVMCB1	27	312100 P002	036	
-															
007	SPIRE PMW Ch05-08 . 7+		SPB.S -		S086	TS2CC-28	7	086-3			HSSVMCB1	27	312100 P002	063	
024	SPIRE PMW Ch05-08 . 7-		SPB.S -		S086	TS2CC-28	7	086-3			HSSVMCB1	27	312100 P002	075	
040	SPIRE PMW Ch05-08 . SHD07		SPB.S -		S086	TS2CC-28	7	086-3	CS-S086-3		HSSVMCB1	27	312100 P002	036	
-															
008	SPIRE PMW Ch05-08 . 8+		SPB.S -		S086	TS2CC-28	8	086-4			HSSVMCB1	27	312100 P002	074	
025	SPIRE PMW Ch05-08 . 8-		SPB.S -		S086	TS2CC-28	8	086-4			HSSVMCB1	27	312100 P002	073	
041	SPIRE PMW Ch05-08 . SHD08		SPB.S -		S086	TS2CC-28	8	086-4	CS-S086-4		HSSVMCB1	27	312100 P002	036	
-															
026	SPIRE PMW Ch09-12 . 9+		SPB.S -		S087	TS2CC-28	9	087-1			HSSVMCB1	27	312100 P002	083	
010	SPIRE PMW Ch09-12 . 9-		SPB.S -		S087	TS2CC-28	9	087-1			HSSVMCB1	27	312100 P002	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P017

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PMW Ch09-12 . SHD09		SPB.S	-	S087	TS2CC-28	9	087-1		CS-S087-1	HSSVMCB1	27	312100 P002	036	
-															
027	SPIRE PMW Ch09-12 . 10+		SPB.S	-	S087	TS2CC-28	10	087-2			HSSVMCB1	27	312100 P002	095	
011	SPIRE PMW Ch09-12 . 10-		SPB.S	-	S087	TS2CC-28	10	087-2			HSSVMCB1	27	312100 P002	084	
044	SPIRE PMW Ch09-12 . SHD10		SPB.S	-	S087	TS2CC-28	10	087-2		CS-S087-2	HSSVMCB1	27	312100 P002	036	
-															
028	SPIRE PMW Ch09-12 . 11+		SPB.S	-	S087	TS2CC-28	11	087-3			HSSVMCB1	27	312100 P002	096	
012	SPIRE PMW Ch09-12 . 11-		SPB.S	-	S087	TS2CC-28	11	087-3			HSSVMCB1	27	312100 P002	085	
045	SPIRE PMW Ch09-12 . SHD11		SPB.S	-	S087	TS2CC-28	11	087-3		CS-S087-3	HSSVMCB1	27	312100 P002	036	
-															
029	SPIRE PMW Ch09-12 . 12+		SPB.S	-	S087	TS2CC-28	12	087-4			HSSVMCB1	27	312100 P002	106	
013	SPIRE PMW Ch09-12 . 12-		SPB.S	-	S087	TS2CC-28	12	087-4			HSSVMCB1	27	312100 P002	107	
046	SPIRE PMW Ch09-12 . SHD12		SPB.S	-	S087	TS2CC-28	12	087-4		CS-S087-4	HSSVMCB1	27	312100 P002	036	
-															
030	SPIRE PMW Ch13-16 . 13+		SPB.S	-	S090	TS2CC-28	13	090-1			HSSVMCB1	27	312100 P002	086	
014	SPIRE PMW Ch13-16 . 13-		SPB.S	-	S090	TS2CC-28	13	090-1			HSSVMCB1	27	312100 P002	087	
047	SPIRE PMW Ch13-16 . SHD13		SPB.S	-	S090	TS2CC-28	13	090-1		CS-S090-1	HSSVMCB1	27	312100 P002	036	
-															
031	SPIRE PMW Ch13-16 . 14+		SPB.S	-	S090	TS2CC-28	14	090-2			HSSVMCB1	27	312100 P002	097	
015	SPIRE PMW Ch13-16 . 14-		SPB.S	-	S090	TS2CC-28	14	090-2			HSSVMCB1	27	312100 P002	098	
048	SPIRE PMW Ch13-16 . SHD14		SPB.S	-	S090	TS2CC-28	14	090-2		CS-S090-2	HSSVMCB1	27	312100 P002	036	
-															
032	SPIRE PMW Ch13-16 . 15+		SPB.S	-	S090	TS2CC-28	15	090-3			HSSVMCB1	27	312100 P002	108	
016	SPIRE PMW Ch13-16 . 15-		SPB.S	-	S090	TS2CC-28	15	090-3			HSSVMCB1	27	312100 P002	109	
049	SPIRE PMW Ch13-16 . SHD15		SPB.S	-	S090	TS2CC-28	15	090-3		CS-S090-3	HSSVMCB1	27	312100 P002	036	
-															
033	SPIRE PMW Ch13-16 . 16+		SPB.S	-	S090	TS2CC-28	16	090-4			HSSVMCB1	27	312100 P002	116	
017	SPIRE PMW Ch13-16 . 16-		SPB.S	-	S090	TS2CC-28	16	090-4			HSSVMCB1	27	312100 P002	117	
050	SPIRE PMW Ch13-16 . SHD16		SPB.S	-	S090	TS2CC-28	16	090-4		CS-S090-4	HSSVMCB1	27	312100 P002	036	
-															
009	SPIRE PMW B05 GND WIRE A1		SPX.S	-	S451	T01C0-26					HSSVMCB1	27	312100 P002	036	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P017
Item: HSDCU

Function / Bundle: DCU JFP PMW SIH-XS-05

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)

SPIRE

Connector: 312200 P003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PLW Ch01-04 . 1+		SPA.S -		S104	TS2CC-28	1	104-1			HSDCU	17	122300 P014	001	
037	SPIRE PLW Ch01-04 . 1-		SPA.S -		S104	TS2CC-28	1	104-1			HSDCU	17	122300 P014	018	
036	SPIRE PLW Ch01-04 . SHD01		SPA.S -		S104	TS2CC-28	1	104-1	CS-S104-1		HSDCU	17	122300 P014	034	
-															
038	SPIRE PLW Ch01-04 . 2+		SPA.S -		S104	TS2CC-28	2	104-2			HSDCU	17	122300 P014	002	
049	SPIRE PLW Ch01-04 . 2-		SPA.S -		S104	TS2CC-28	2	104-2			HSDCU	17	122300 P014	019	
036	SPIRE PLW Ch01-04 . SHD02		SPA.S -		S104	TS2CC-28	2	104-2	CS-S104-2		HSDCU	17	122300 P014	035	
-															
048	SPIRE PLW Ch01-04 . 3+		SPA.S -		S104	TS2CC-28	3	104-3			HSDCU	17	122300 P014	003	
060	SPIRE PLW Ch01-04 . 3-		SPA.S -		S104	TS2CC-28	3	104-3			HSDCU	17	122300 P014	020	
036	SPIRE PLW Ch01-04 . SHD03		SPA.S -		S104	TS2CC-28	3	104-3	CS-S104-3		HSDCU	17	122300 P014	036	
-															
059	SPIRE PLW Ch01-04 . 4+		SPA.S -		S104	TS2CC-28	4	104-4			HSDCU	17	122300 P014	004	
071	SPIRE PLW Ch01-04 . 4-		SPA.S -		S104	TS2CC-28	4	104-4			HSDCU	17	122300 P014	021	
036	SPIRE PLW Ch01-04 . SHD04		SPA.S -		S104	TS2CC-28	4	104-4	CS-S104-4		HSDCU	17	122300 P014	037	
-															
050	SPIRE PLW Ch05-08 . 5+		SPA.S -		S105	TS2CC-28	5	105-1			HSDCU	17	122300 P014	005	
061	SPIRE PLW Ch05-08 . 5-		SPA.S -		S105	TS2CC-28	5	105-1			HSDCU	17	122300 P014	022	
036	SPIRE PLW Ch05-08 . SHD05		SPA.S -		S105	TS2CC-28	5	105-1	CS-S105-1		HSDCU	17	122300 P014	038	
-															
062	SPIRE PLW Ch05-08 . 6+		SPA.S -		S105	TS2CC-28	6	105-2			HSDCU	17	122300 P014	006	
051	SPIRE PLW Ch05-08 . 6-		SPA.S -		S105	TS2CC-28	6	105-2			HSDCU	17	122300 P014	023	
036	SPIRE PLW Ch05-08 . SHD06		SPA.S -		S105	TS2CC-28	6	105-2	CS-S105-2		HSDCU	17	122300 P014	039	
-															
063	SPIRE PLW Ch05-08 . 7+		SPA.S -		S105	TS2CC-28	7	105-3			HSDCU	17	122300 P014	007	
075	SPIRE PLW Ch05-08 . 7-		SPA.S -		S105	TS2CC-28	7	105-3			HSDCU	17	122300 P014	024	
036	SPIRE PLW Ch05-08 . SHD07		SPA.S -		S105	TS2CC-28	7	105-3	CS-S105-3		HSDCU	17	122300 P014	040	
-															
074	SPIRE PLW Ch05-08 . 8+		SPA.S -		S105	TS2CC-28	8	105-4			HSDCU	17	122300 P014	008	
073	SPIRE PLW Ch05-08 . 8-		SPA.S -		S105	TS2CC-28	8	105-4			HSDCU	17	122300 P014	025	
036	SPIRE PLW Ch05-08 . SHD08		SPA.S -		S105	TS2CC-28	8	105-4	CS-S105-4		HSDCU	17	122300 P014	041	
-															
083	SPIRE PLW Ch09-12 . 9+		SPA.S -		S106	TS2CC-28	9	106-1			HSDCU	17	122300 P014	026	
072	SPIRE PLW Ch09-12 . 9-		SPA.S -		S106	TS2CC-28	9	106-1			HSDCU	17	122300 P014	010	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PLW Ch09-12 . SHD09		SPA.S -		S106	TS2CC-28	9	106-1		CS-S106-1	HSDCU	17	122300 P014	043	
-															
095	SPIRE PLW Ch09-12 . 10+		SPA.S -		S106	TS2CC-28	10	106-2			HSDCU	17	122300 P014	027	
084	SPIRE PLW Ch09-12 . 10-		SPA.S -		S106	TS2CC-28	10	106-2			HSDCU	17	122300 P014	011	
036	SPIRE PLW Ch09-12 . SHD10		SPA.S -		S106	TS2CC-28	10	106-2		CS-S106-2	HSDCU	17	122300 P014	044	
-															
096	SPIRE PLW Ch09-12 . 11+		SPA.S -		S106	TS2CC-28	11	106-3			HSDCU	17	122300 P014	028	
085	SPIRE PLW Ch09-12 . 11-		SPA.S -		S106	TS2CC-28	11	106-3			HSDCU	17	122300 P014	012	
036	SPIRE PLW Ch09-12 . SHD11		SPA.S -		S106	TS2CC-28	11	106-3		CS-S106-3	HSDCU	17	122300 P014	045	
-															
106	SPIRE PLW Ch09-12 . 12+		SPA.S -		S106	TS2CC-28	12	106-4			HSDCU	17	122300 P014	029	
107	SPIRE PLW Ch09-12 . 12-		SPA.S -		S106	TS2CC-28	12	106-4			HSDCU	17	122300 P014	013	
036	SPIRE PLW Ch09-12 . SHD12		SPA.S -		S106	TS2CC-28	12	106-4		CS-S106-4	HSDCU	17	122300 P014	046	
-															
086	SPIRE PLW Ch13-16 . 13+		SPA.S -		S109	TS2CC-28	13	109-1			HSDCU	17	122300 P014	030	
087	SPIRE PLW Ch13-16 . 13-		SPA.S -		S109	TS2CC-28	13	109-1			HSDCU	17	122300 P014	014	
036	SPIRE PLW Ch13-16 . SHD13		SPA.S -		S109	TS2CC-28	13	109-1		CS-S109-1	HSDCU	17	122300 P014	047	
-															
097	SPIRE PLW Ch13-16 . 14+		SPA.S -		S109	TS2CC-28	14	109-2			HSDCU	17	122300 P014	031	
098	SPIRE PLW Ch13-16 . 14-		SPA.S -		S109	TS2CC-28	14	109-2			HSDCU	17	122300 P014	015	
036	SPIRE PLW Ch13-16 . SHD14		SPA.S -		S109	TS2CC-28	14	109-2		CS-S109-2	HSDCU	17	122300 P014	048	
-															
108	SPIRE PLW Ch13-16 . 15+		SPA.S -		S109	TS2CC-28	15	109-3			HSDCU	17	122300 P014	032	
109	SPIRE PLW Ch13-16 . 15-		SPA.S -		S109	TS2CC-28	15	109-3			HSDCU	17	122300 P014	016	
036	SPIRE PLW Ch13-16 . SHD15		SPA.S -		S109	TS2CC-28	15	109-3		CS-S109-3	HSDCU	17	122300 P014	049	
-															
116	SPIRE PLW Ch13-16 . 16+		SPA.S -		S109	TS2CC-28	16	109-4			HSDCU	17	122300 P014	033	
117	SPIRE PLW Ch13-16 . 16-		SPA.S -		S109	TS2CC-28	16	109-4			HSDCU	17	122300 P014	017	
036	SPIRE PLW Ch13-16 . SHD16		SPA.S -		S109	TS2CC-28	16	109-4		CS-S109-4	HSDCU	17	122300 P014	050	
-															
036	SPIRE PLW B06 GND WIRE A1		SPX.S -		S461	T01C0-26					HSDCU	17	122300 P014	009	
-															
055	SPIRE PLW Ch17-20 . 17+		SPA.S -		S110	TS2CC-28	17	110-1			HSDCU	17	122300 P015	001	
066	SPIRE PLW Ch17-20 . 17-		SPA.S -		S110	TS2CC-28	17	110-1			HSDCU	17	122300 P015	018	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PLW Ch17-20 . SHD17		SPA.S -		S110	TS2CC-28	17	110-1		CS-S110-1	HSDCU	17	122300 P015	034	
-															
067	SPIRE PLW Ch17-20 . 18+		SPA.S -		S110	TS2CC-28	18	110-2			HSDCU	17	122300 P015	002	
078	SPIRE PLW Ch17-20 . 18-		SPA.S -		S110	TS2CC-28	18	110-2			HSDCU	17	122300 P015	019	
128	SPIRE PLW Ch17-20 . SHD18		SPA.S -		S110	TS2CC-28	18	110-2		CS-S110-2	HSDCU	17	122300 P015	035	
-															
076	SPIRE PLW Ch17-20 . 19+		SPA.S -		S110	TS2CC-28	19	110-3			HSDCU	17	122300 P015	003	
077	SPIRE PLW Ch17-20 . 19-		SPA.S -		S110	TS2CC-28	19	110-3			HSDCU	17	122300 P015	020	
128	SPIRE PLW Ch17-20 . SHD19		SPA.S -		S110	TS2CC-28	19	110-3		CS-S110-3	HSDCU	17	122300 P015	036	
-															
088	SPIRE PLW Ch17-20 . 20+		SPA.S -		S110	TS2CC-28	20	110-4			HSDCU	17	122300 P015	004	
089	SPIRE PLW Ch17-20 . 20-		SPA.S -		S110	TS2CC-28	20	110-4			HSDCU	17	122300 P015	021	
128	SPIRE PLW Ch17-20 . SHD20		SPA.S -		S110	TS2CC-28	20	110-4		CS-S110-4	HSDCU	17	122300 P015	037	
-															
099	SPIRE PLW Ch21-24 . 21+		SPA.S -		S111	TS2CC-28	21	111-1			HSDCU	17	122300 P015	005	
100	SPIRE PLW Ch21-24 . 21-		SPA.S -		S111	TS2CC-28	21	111-1			HSDCU	17	122300 P015	022	
128	SPIRE PLW Ch21-24 . SHD21		SPA.S -		S111	TS2CC-28	21	111-1		CS-S111-1	HSDCU	17	122300 P015	038	
-															
110	SPIRE PLW Ch21-24 . 22+		SPA.S -		S111	TS2CC-28	22	111-2			HSDCU	17	122300 P015	006	
111	SPIRE PLW Ch21-24 . 22-		SPA.S -		S111	TS2CC-28	22	111-2			HSDCU	17	122300 P015	023	
128	SPIRE PLW Ch21-24 . SHD22		SPA.S -		S111	TS2CC-28	22	111-2		CS-S111-2	HSDCU	17	122300 P015	039	
-															
118	SPIRE PLW Ch21-24 . 23+		SPA.S -		S111	TS2CC-28	23	111-3			HSDCU	17	122300 P015	007	
119	SPIRE PLW Ch21-24 . 23-		SPA.S -		S111	TS2CC-28	23	111-3			HSDCU	17	122300 P015	024	
128	SPIRE PLW Ch21-24 . SHD23		SPA.S -		S111	TS2CC-28	23	111-3		CS-S111-3	HSDCU	17	122300 P015	040	
-															
112	SPIRE PLW Ch21-24 . 24+		SPA.S -		S111	TS2CC-28	24	111-4			HSDCU	17	122300 P015	008	
120	SPIRE PLW Ch21-24 . 24-		SPA.S -		S111	TS2CC-28	24	111-4			HSDCU	17	122300 P015	025	
128	SPIRE PLW Ch21-24 . SHD24		SPA.S -		S111	TS2CC-28	24	111-4		CS-S111-4	HSDCU	17	122300 P015	041	
-															
090	SPIRE PLW Ch25-28 . 25+		SPA.S -		S113	TS2CC-28	25	113-1			HSDCU	17	122300 P015	026	
079	SPIRE PLW Ch25-28 . 25-		SPA.S -		S113	TS2CC-28	25	113-1			HSDCU	17	122300 P015	010	
128	SPIRE PLW Ch25-28 . SHD25		SPA.S -		S113	TS2CC-28	25	113-1		CS-S113-1	HSDCU	17	122300 P015	043	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PLW Ch25-28 . 26+		SPA.S -		S113	TS2CC-28	26	113-2			HSDCU	17	122300 P015	027	
101	SPIRE PLW Ch25-28 . 26-		SPA.S -		S113	TS2CC-28	26	113-2			HSDCU	17	122300 P015	011	
128	SPIRE PLW Ch25-28 . SHD26		SPA.S -		S113	TS2CC-28	26	113-2	CS-S113-2		HSDCU	17	122300 P015	044	
-															
092	SPIRE PLW Ch25-28 . 27+		SPA.S -		S113	TS2CC-28	27	113-3			HSDCU	17	122300 P015	028	
091	SPIRE PLW Ch25-28 . 27-		SPA.S -		S113	TS2CC-28	27	113-3			HSDCU	17	122300 P015	012	
128	SPIRE PLW Ch25-28 . SHD27		SPA.S -		S113	TS2CC-28	27	113-3	CS-S113-3		HSDCU	17	122300 P015	045	
-															
103	SPIRE PLW Ch25-28 . 28+		SPA.S -		S113	TS2CC-28	28	113-4			HSDCU	17	122300 P015	029	
113	SPIRE PLW Ch25-28 . 28-		SPA.S -		S113	TS2CC-28	28	113-4			HSDCU	17	122300 P015	013	
128	SPIRE PLW Ch25-28 . SHD28		SPA.S -		S113	TS2CC-28	28	113-4	CS-S113-4		HSDCU	17	122300 P015	046	
-															
058	SPIRE PLW Ch29-32 . 29+		SPA.S -		S114	TS2CC-28	29	114-1			HSDCU	17	122300 P015	030	
046	SPIRE PLW Ch29-32 . 29-		SPA.S -		S114	TS2CC-28	29	114-1			HSDCU	17	122300 P015	014	
128	SPIRE PLW Ch29-32 . SHD29		SPA.S -		S114	TS2CC-28	29	114-1	CS-S114-1		HSDCU	17	122300 P015	047	
-															
068	SPIRE PLW Ch29-32 . 30+		SPA.S -		S114	TS2CC-28	30	114-2			HSDCU	17	122300 P015	031	
057	SPIRE PLW Ch29-32 . 30-		SPA.S -		S114	TS2CC-28	30	114-2			HSDCU	17	122300 P015	015	
128	SPIRE PLW Ch29-32 . SHD30		SPA.S -		S114	TS2CC-28	30	114-2	CS-S114-2		HSDCU	17	122300 P015	048	
-															
069	SPIRE PLW Ch29-32 . 31+		SPA.S -		S114	TS2CC-28	31	114-3			HSDCU	17	122300 P015	032	
080	SPIRE PLW Ch29-32 . 31-		SPA.S -		S114	TS2CC-28	31	114-3			HSDCU	17	122300 P015	016	
128	SPIRE PLW Ch29-32 . SHD31		SPA.S -		S114	TS2CC-28	31	114-3	CS-S114-3		HSDCU	17	122300 P015	049	
-															
070	SPIRE PLW Ch29-32 . 32+		SPA.S -		S114	TS2CC-28	32	114-4			HSDCU	17	122300 P015	033	
081	SPIRE PLW Ch29-32 . 32-		SPA.S -		S114	TS2CC-28	32	114-4			HSDCU	17	122300 P015	017	
128	SPIRE PLW Ch29-32 . SHD32		SPA.S -		S114	TS2CC-28	32	114-4	CS-S114-4		HSDCU	17	122300 P015	050	
-															
128	SPIRE PMW B06 GND WIRE A2		SPX.S -		S462	T01C0-26					HSDCU	17	122300 P015	009	
-															
023	SPIRE PLW Ch33-36 . 33+		SPA.S -		S115	TS2CC-28	33	115-1			HSDCU	17	122300 P016	001	
034	SPIRE PLW Ch33-36 . 33-		SPA.S -		S115	TS2CC-28	33	115-1			HSDCU	17	122300 P016	018	
004	SPIRE PLW Ch33-36 . SHD33		SPA.S -		S115	TS2CC-28	33	115-1	CS-S115-1		HSDCU	17	122300 P016	034	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
033	SPIRE PLW Ch33-36 . 34+		SPA.S -		S115	TS2CC-28	34	115-2		HSDCU	17	122300 P016	002	
045	SPIRE PLW Ch33-36 . 34-		SPA.S -		S115	TS2CC-28	34	115-2		HSDCU	17	122300 P016	019	
004	SPIRE PLW Ch33-36 . SHD34		SPA.S -		S115	TS2CC-28	34	115-2	CS-S115-2	HSDCU	17	122300 P016	035	
-														
044	SPIRE PLW Ch33-36 . 35+		SPA.S -		S115	TS2CC-28	35	115-3		HSDCU	17	122300 P016	003	
056	SPIRE PLW Ch33-36 . 35-		SPA.S -		S115	TS2CC-28	35	115-3		HSDCU	17	122300 P016	020	
004	SPIRE PLW Ch33-36 . SHD35		SPA.S -		S115	TS2CC-28	35	115-3	CS-S115-3	HSDCU	17	122300 P016	036	
-														
022	SPIRE PLW Ch33-36 . 36+		SPA.S -		S115	TS2CC-28	36	115-4		HSDCU	17	122300 P016	004	
032	SPIRE PLW Ch33-36 . 36-		SPA.S -		S115	TS2CC-28	36	115-4		HSDCU	17	122300 P016	021	
004	SPIRE PLW Ch33-36 . SHD36		SPA.S -		S115	TS2CC-28	36	115-4	CS-S115-4	HSDCU	17	122300 P016	037	
-														
013	SPIRE PLW Ch37-40 . 37+		SPA.S -		S118	TS2CC-28	37	118-1		HSDCU	17	122300 P016	005	
012	SPIRE PLW Ch37-40 . 37-		SPA.S -		S118	TS2CC-28	37	118-1		HSDCU	17	122300 P016	022	
004	SPIRE PLW Ch37-40 . SHD37		SPA.S -		S118	TS2CC-28	37	118-1	CS-S118-1	HSDCU	17	122300 P016	038	
-														
021	SPIRE PLW Ch37-40 . 38+		SPA.S -		S118	TS2CC-28	38	118-2		HSDCU	17	122300 P016	006	
020	SPIRE PLW Ch37-40 . 38-		SPA.S -		S118	TS2CC-28	38	118-2		HSDCU	17	122300 P016	023	
004	SPIRE PLW Ch37-40 . SHD38		SPA.S -		S118	TS2CC-28	38	118-2	CS-S118-2	HSDCU	17	122300 P016	039	
-														
031	SPIRE PLW Ch37-40 . 39+		SPA.S -		S118	TS2CC-28	39	118-3		HSDCU	17	122300 P016	007	
043	SPIRE PLW Ch37-40 . 39-		SPA.S -		S118	TS2CC-28	39	118-3		HSDCU	17	122300 P016	024	
004	SPIRE PLW Ch37-40 . SHD39		SPA.S -		S118	TS2CC-28	39	118-3	CS-S118-3	HSDCU	17	122300 P016	040	
-														
042	SPIRE PLW Ch37-40 . 40+		SPA.S -		S118	TS2CC-28	40	118-4		HSDCU	17	122300 P016	008	
054	SPIRE PLW Ch37-40 . 40-		SPA.S -		S118	TS2CC-28	40	118-4		HSDCU	17	122300 P016	025	
004	SPIRE PLW Ch37-40 . SHD40		SPA.S -		S118	TS2CC-28	40	118-4	CS-S118-4	HSDCU	17	122300 P016	041	
-														
-														
010	SPIRE PLW Ch41-44 . 41+		SPA.S -		S119	TS2CC-28	41	119-1		HSDCU	17	122300 P016	026	
011	SPIRE PLW Ch41-44 . 41-		SPA.S -		S119	TS2CC-28	41	119-1		HSDCU	17	122300 P016	010	
004	SPIRE PLW Ch41-44 . SHD41		SPA.S -		S119	TS2CC-28	41	119-1	CS-S119-1	HSDCU	17	122300 P016	043	
-														
019	SPIRE PLW Ch41-44 . 42+		SPA.S -		S119	TS2CC-28	42	119-2		HSDCU	17	122300 P016	027	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
029	SPIRE PLW Ch41-44 . 42-		SPA.S -		S119	TS2CC-28	42	119-2		HSDCU	17	122300 P016	011	
004	SPIRE PLW Ch41-44 . SHD42		SPA.S -		S119	TS2CC-28	42	119-2	CS-S119-2	HSDCU	17	122300 P016	044	
-														
041	SPIRE PLW Ch41-44 . 43+		SPA.S -		S119	TS2CC-28	43	119-3		HSDCU	17	122300 P016	028	
030	SPIRE PLW Ch41-44 . 43-		SPA.S -		S119	TS2CC-28	43	119-3		HSDCU	17	122300 P016	012	
004	SPIRE PLW Ch41-44 . SHD43		SPA.S -		S119	TS2CC-28	43	119-3	CS-S119-3	HSDCU	17	122300 P016	045	
-														
053	SPIRE PLW Ch41-44 . 44+		SPA.S -		S119	TS2CC-28	44	119-4		HSDCU	17	122300 P016	029	
052	SPIRE PLW Ch41-44 . 44-		SPA.S -		S119	TS2CC-28	44	119-4		HSDCU	17	122300 P016	013	
004	SPIRE PLW Ch41-44 . SHD44		SPA.S -		S119	TS2CC-28	44	119-4	CS-S119-4	HSDCU	17	122300 P016	046	
-														
009	SPIRE PLW Ch45-48 . 45+		SPA.S -		S120	TS2CC-28	45	120-1		HSDCU	17	122300 P016	030	
017	SPIRE PLW Ch45-48 . 45-		SPA.S -		S120	TS2CC-28	45	120-1		HSDCU	17	122300 P016	014	
004	SPIRE PLW Ch45-48 . SHD45		SPA.S -		S120	TS2CC-28	45	120-1	CS-S120-1	HSDCU	17	122300 P016	047	
-														
018	SPIRE PLW Ch45-48 . 46+		SPA.S -		S120	TS2CC-28	46	120-2		HSDCU	17	122300 P016	031	
028	SPIRE PLW Ch45-48 . 46-		SPA.S -		S120	TS2CC-28	46	120-2		HSDCU	17	122300 P016	015	
004	SPIRE PLW Ch45-48 . SHD46		SPA.S -		S120	TS2CC-28	46	120-2	CS-S120-2	HSDCU	17	122300 P016	048	
-														
016	SPIRE PLW Ch45-48 . 47+		SPA.S -		S120	TS2CC-28	47	120-3		HSDCU	17	122300 P016	032	
027	SPIRE PLW Ch45-48 . 47-		SPA.S -		S120	TS2CC-28	47	120-3		HSDCU	17	122300 P016	016	
004	SPIRE PLW Ch45-48 . SHD47		SPA.S -		S120	TS2CC-28	47	120-3	CS-S120-3	HSDCU	17	122300 P016	049	
-														
040	SPIRE PLW Ch45-48 . 48+		SPA.S -		S120	TS2CC-28	48	120-4		HSDCU	17	122300 P016	033	
039	SPIRE PLW Ch45-48 . 48-		SPA.S -		S120	TS2CC-28	48	120-4		HSDCU	17	122300 P016	017	
004	SPIRE PLW Ch45-48 . SHD48		SPA.S -		S120	TS2CC-28	48	120-4	CS-S120-4	HSDCU	17	122300 P016	050	
-														
004	SPIRE PMW B06 GND WIRE A4		SPX.S -		S464	T01C0-26				HSDCU	17	122300 P016	009	
-														
047	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
036	to be con to pin 047													
128	to be con to pin 047													
004	to be con to pin 047													
-														

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P003**Function / Bundle:** SPIRE SVM CB2 SIH-XS-06**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
005	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
024	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)													2S	
-															
CH	to be con to Outer Overall Shield (OOS)													2S	
-															
-	2 pins are NC									The following Pins are NC :					

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 486 (of 599)

Connector: 312200 P003
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-06

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P016

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PLW Ch33-36 . 33+		SPA.S -		S115	TS2CC-28	33	115-1			HSSVMCB2	27	312200 P003	023	
018	SPIRE PLW Ch33-36 . 33-		SPA.S -		S115	TS2CC-28	33	115-1			HSSVMCB2	27	312200 P003	034	
034	SPIRE PLW Ch33-36 . SHD33		SPA.S -		S115	TS2CC-28	33	115-1	CS-S115-1		HSSVMCB2	27	312200 P003	004	
-															
002	SPIRE PLW Ch33-36 . 34+		SPA.S -		S115	TS2CC-28	34	115-2			HSSVMCB2	27	312200 P003	033	
019	SPIRE PLW Ch33-36 . 34-		SPA.S -		S115	TS2CC-28	34	115-2			HSSVMCB2	27	312200 P003	045	
035	SPIRE PLW Ch33-36 . SHD34		SPA.S -		S115	TS2CC-28	34	115-2	CS-S115-2		HSSVMCB2	27	312200 P003	004	
-															
003	SPIRE PLW Ch33-36 . 35+		SPA.S -		S115	TS2CC-28	35	115-3			HSSVMCB2	27	312200 P003	044	
020	SPIRE PLW Ch33-36 . 35-		SPA.S -		S115	TS2CC-28	35	115-3			HSSVMCB2	27	312200 P003	056	
036	SPIRE PLW Ch33-36 . SHD35		SPA.S -		S115	TS2CC-28	35	115-3	CS-S115-3		HSSVMCB2	27	312200 P003	004	
-															
004	SPIRE PLW Ch33-36 . 36+		SPA.S -		S115	TS2CC-28	36	115-4			HSSVMCB2	27	312200 P003	022	
021	SPIRE PLW Ch33-36 . 36-		SPA.S -		S115	TS2CC-28	36	115-4			HSSVMCB2	27	312200 P003	032	
037	SPIRE PLW Ch33-36 . SHD36		SPA.S -		S115	TS2CC-28	36	115-4	CS-S115-4		HSSVMCB2	27	312200 P003	004	
-															
005	SPIRE PLW Ch37-40 . 37+		SPA.S -		S118	TS2CC-28	37	118-1			HSSVMCB2	27	312200 P003	013	
022	SPIRE PLW Ch37-40 . 37-		SPA.S -		S118	TS2CC-28	37	118-1			HSSVMCB2	27	312200 P003	012	
038	SPIRE PLW Ch37-40 . SHD37		SPA.S -		S118	TS2CC-28	37	118-1	CS-S118-1		HSSVMCB2	27	312200 P003	004	
-															
006	SPIRE PLW Ch37-40 . 38+		SPA.S -		S118	TS2CC-28	38	118-2			HSSVMCB2	27	312200 P003	021	
023	SPIRE PLW Ch37-40 . 38-		SPA.S -		S118	TS2CC-28	38	118-2			HSSVMCB2	27	312200 P003	020	
039	SPIRE PLW Ch37-40 . SHD38		SPA.S -		S118	TS2CC-28	38	118-2	CS-S118-2		HSSVMCB2	27	312200 P003	004	
-															
007	SPIRE PLW Ch37-40 . 39+		SPA.S -		S118	TS2CC-28	39	118-3			HSSVMCB2	27	312200 P003	031	
024	SPIRE PLW Ch37-40 . 39-		SPA.S -		S118	TS2CC-28	39	118-3			HSSVMCB2	27	312200 P003	043	
040	SPIRE PLW Ch37-40 . SHD39		SPA.S -		S118	TS2CC-28	39	118-3	CS-S118-3		HSSVMCB2	27	312200 P003	004	
-															
008	SPIRE PLW Ch37-40 . 40+		SPA.S -		S118	TS2CC-28	40	118-4			HSSVMCB2	27	312200 P003	042	
025	SPIRE PLW Ch37-40 . 40-		SPA.S -		S118	TS2CC-28	40	118-4			HSSVMCB2	27	312200 P003	054	
041	SPIRE PLW Ch37-40 . SHD40		SPA.S -		S118	TS2CC-28	40	118-4	CS-S118-4		HSSVMCB2	27	312200 P003	004	
-															
026	SPIRE PLW Ch41-44 . 41+		SPA.S -		S119	TS2CC-28	41	119-1			HSSVMCB2	27	312200 P003	010	
010	SPIRE PLW Ch41-44 . 41-		SPA.S -		S119	TS2CC-28	41	119-1			HSSVMCB2	27	312200 P003	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P016

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PLW Ch41-44 . SHD41		SPA.S -		S119	TS2CC-28	41	119-1		CS-S119-1	HSSVMCB2	27	312200 P003	004	
-															
027	SPIRE PLW Ch41-44 . 42+		SPA.S -		S119	TS2CC-28	42	119-2			HSSVMCB2	27	312200 P003	019	
011	SPIRE PLW Ch41-44 . 42-		SPA.S -		S119	TS2CC-28	42	119-2			HSSVMCB2	27	312200 P003	029	
044	SPIRE PLW Ch41-44 . SHD42		SPA.S -		S119	TS2CC-28	42	119-2		CS-S119-2	HSSVMCB2	27	312200 P003	004	
-															
028	SPIRE PLW Ch41-44 . 43+		SPA.S -		S119	TS2CC-28	43	119-3			HSSVMCB2	27	312200 P003	041	
012	SPIRE PLW Ch41-44 . 43-		SPA.S -		S119	TS2CC-28	43	119-3			HSSVMCB2	27	312200 P003	030	
045	SPIRE PLW Ch41-44 . SHD43		SPA.S -		S119	TS2CC-28	43	119-3		CS-S119-3	HSSVMCB2	27	312200 P003	004	
-															
029	SPIRE PLW Ch41-44 . 44+		SPA.S -		S119	TS2CC-28	44	119-4			HSSVMCB2	27	312200 P003	053	
013	SPIRE PLW Ch41-44 . 44-		SPA.S -		S119	TS2CC-28	44	119-4			HSSVMCB2	27	312200 P003	052	
046	SPIRE PLW Ch41-44 . SHD44		SPA.S -		S119	TS2CC-28	44	119-4		CS-S119-4	HSSVMCB2	27	312200 P003	004	
-															
030	SPIRE PLW Ch45-48 . 45+		SPA.S -		S120	TS2CC-28	45	120-1			HSSVMCB2	27	312200 P003	009	
014	SPIRE PLW Ch45-48 . 45-		SPA.S -		S120	TS2CC-28	45	120-1			HSSVMCB2	27	312200 P003	017	
047	SPIRE PLW Ch45-48 . SHD45		SPA.S -		S120	TS2CC-28	45	120-1		CS-S120-1	HSSVMCB2	27	312200 P003	004	
-															
031	SPIRE PLW Ch45-48 . 46+		SPA.S -		S120	TS2CC-28	46	120-2			HSSVMCB2	27	312200 P003	018	
015	SPIRE PLW Ch45-48 . 46-		SPA.S -		S120	TS2CC-28	46	120-2			HSSVMCB2	27	312200 P003	028	
048	SPIRE PLW Ch45-48 . SHD46		SPA.S -		S120	TS2CC-28	46	120-2		CS-S120-2	HSSVMCB2	27	312200 P003	004	
-															
032	SPIRE PLW Ch45-48 . 47+		SPA.S -		S120	TS2CC-28	47	120-3			HSSVMCB2	27	312200 P003	016	
016	SPIRE PLW Ch45-48 . 47-		SPA.S -		S120	TS2CC-28	47	120-3			HSSVMCB2	27	312200 P003	027	
049	SPIRE PLW Ch45-48 . SHD47		SPA.S -		S120	TS2CC-28	47	120-3		CS-S120-3	HSSVMCB2	27	312200 P003	004	
-															
033	SPIRE PLW Ch45-48 . 48+		SPA.S -		S120	TS2CC-28	48	120-4			HSSVMCB2	27	312200 P003	040	
017	SPIRE PLW Ch45-48 . 48-		SPA.S -		S120	TS2CC-28	48	120-4			HSSVMCB2	27	312200 P003	039	
050	SPIRE PLW Ch45-48 . SHD48		SPA.S -		S120	TS2CC-28	48	120-4		CS-S120-4	HSSVMCB2	27	312200 P003	004	
-															
009	SPIRE PMW B06 GND WIRE A4		SPX.S -		S464	T01C0-26					HSSVMCB2	27	312200 P003	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 489 (of 599)

Connector: 122300 P016
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P015

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
001	SPIRE PLW Ch17-20 . 17+		SPA.S -		S110	TS2CC-28	17	110-1		HSSVMCB2	27	312200 P003	055	
018	SPIRE PLW Ch17-20 . 17-		SPA.S -		S110	TS2CC-28	17	110-1		HSSVMCB2	27	312200 P003	066	
034	SPIRE PLW Ch17-20 . SHD17		SPA.S -		S110	TS2CC-28	17	110-1	CS-S110-1	HSSVMCB2	27	312200 P003	128	
-														
002	SPIRE PLW Ch17-20 . 18+		SPA.S -		S110	TS2CC-28	18	110-2		HSSVMCB2	27	312200 P003	067	
019	SPIRE PLW Ch17-20 . 18-		SPA.S -		S110	TS2CC-28	18	110-2		HSSVMCB2	27	312200 P003	078	
035	SPIRE PLW Ch17-20 . SHD18		SPA.S -		S110	TS2CC-28	18	110-2	CS-S110-2	HSSVMCB2	27	312200 P003	128	
-														
003	SPIRE PLW Ch17-20 . 19+		SPA.S -		S110	TS2CC-28	19	110-3		HSSVMCB2	27	312200 P003	076	
020	SPIRE PLW Ch17-20 . 19-		SPA.S -		S110	TS2CC-28	19	110-3		HSSVMCB2	27	312200 P003	077	
036	SPIRE PLW Ch17-20 . SHD19		SPA.S -		S110	TS2CC-28	19	110-3	CS-S110-3	HSSVMCB2	27	312200 P003	128	
-														
004	SPIRE PLW Ch17-20 . 20+		SPA.S -		S110	TS2CC-28	20	110-4		HSSVMCB2	27	312200 P003	088	
021	SPIRE PLW Ch17-20 . 20-		SPA.S -		S110	TS2CC-28	20	110-4		HSSVMCB2	27	312200 P003	089	
037	SPIRE PLW Ch17-20 . SHD20		SPA.S -		S110	TS2CC-28	20	110-4	CS-S110-4	HSSVMCB2	27	312200 P003	128	
-														
005	SPIRE PLW Ch21-24 . 21+		SPA.S -		S111	TS2CC-28	21	111-1		HSSVMCB2	27	312200 P003	099	
022	SPIRE PLW Ch21-24 . 21-		SPA.S -		S111	TS2CC-28	21	111-1		HSSVMCB2	27	312200 P003	100	
038	SPIRE PLW Ch21-24 . SHD21		SPA.S -		S111	TS2CC-28	21	111-1	CS-S111-1	HSSVMCB2	27	312200 P003	128	
-														
006	SPIRE PLW Ch21-24 . 22+		SPA.S -		S111	TS2CC-28	22	111-2		HSSVMCB2	27	312200 P003	110	
023	SPIRE PLW Ch21-24 . 22-		SPA.S -		S111	TS2CC-28	22	111-2		HSSVMCB2	27	312200 P003	111	
039	SPIRE PLW Ch21-24 . SHD22		SPA.S -		S111	TS2CC-28	22	111-2	CS-S111-2	HSSVMCB2	27	312200 P003	128	
-														
007	SPIRE PLW Ch21-24 . 23+		SPA.S -		S111	TS2CC-28	23	111-3		HSSVMCB2	27	312200 P003	118	
024	SPIRE PLW Ch21-24 . 23-		SPA.S -		S111	TS2CC-28	23	111-3		HSSVMCB2	27	312200 P003	119	
040	SPIRE PLW Ch21-24 . SHD23		SPA.S -		S111	TS2CC-28	23	111-3	CS-S111-3	HSSVMCB2	27	312200 P003	128	
-														
008	SPIRE PLW Ch21-24 . 24+		SPA.S -		S111	TS2CC-28	24	111-4		HSSVMCB2	27	312200 P003	112	
025	SPIRE PLW Ch21-24 . 24-		SPA.S -		S111	TS2CC-28	24	111-4		HSSVMCB2	27	312200 P003	120	
041	SPIRE PLW Ch21-24 . SHD24		SPA.S -		S111	TS2CC-28	24	111-4	CS-S111-4	HSSVMCB2	27	312200 P003	128	
-														
026	SPIRE PLW Ch25-28 . 25+		SPA.S -		S113	TS2CC-28	25	113-1		HSSVMCB2	27	312200 P003	090	
010	SPIRE PLW Ch25-28 . 25-		SPA.S -		S113	TS2CC-28	25	113-1		HSSVMCB2	27	312200 P003	079	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P015

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PLW Ch25-28 . SHD25		SPA.S -		S113	TS2CC-28	25	113-1		CS-S113-1	HSSVMCB2	27	312200 P003	128	
-															
027	SPIRE PLW Ch25-28 . 26+		SPA.S -		S113	TS2CC-28	26	113-2			HSSVMCB2	27	312200 P003	102	
011	SPIRE PLW Ch25-28 . 26-		SPA.S -		S113	TS2CC-28	26	113-2			HSSVMCB2	27	312200 P003	101	
044	SPIRE PLW Ch25-28 . SHD26		SPA.S -		S113	TS2CC-28	26	113-2		CS-113-2	HSSVMCB2	27	312200 P003	128	
-															
028	SPIRE PLW Ch25-28 . 27+		SPA.S -		S113	TS2CC-28	27	113-3			HSSVMCB2	27	312200 P003	092	
012	SPIRE PLW Ch25-28 . 27-		SPA.S -		S113	TS2CC-28	27	113-3			HSSVMCB2	27	312200 P003	091	
045	SPIRE PLW Ch25-28 . SHD27		SPA.S -		S113	TS2CC-28	27	113-3		CS-S113-3	HSSVMCB2	27	312200 P003	128	
-															
029	SPIRE PLW Ch25-28 . 28+		SPA.S -		S113	TS2CC-28	28	113-4			HSSVMCB2	27	312200 P003	103	
013	SPIRE PLW Ch25-28 . 28-		SPA.S -		S113	TS2CC-28	28	113-4			HSSVMCB2	27	312200 P003	113	
046	SPIRE PLW Ch25-28 . SHD28		SPA.S -		S113	TS2CC-28	28	113-4		CS-S113-4	HSSVMCB2	27	312200 P003	128	
-															
030	SPIRE PLW Ch29-32 . 29+		SPA.S -		S114	TS2CC-28	29	114-1			HSSVMCB2	27	312200 P003	058	
014	SPIRE PLW Ch29-32 . 29-		SPA.S -		S114	TS2CC-28	29	114-1			HSSVMCB2	27	312200 P003	046	
047	SPIRE PLW Ch29-32 . SHD29		SPA.S -		S114	TS2CC-28	29	114-1		CS-S114-1	HSSVMCB2	27	312200 P003	128	
-															
031	SPIRE PLW Ch29-32 . 30+		SPA.S -		S114	TS2CC-28	30	114-2			HSSVMCB2	27	312200 P003	068	
015	SPIRE PLW Ch29-32 . 30-		SPA.S -		S114	TS2CC-28	30	114-2			HSSVMCB2	27	312200 P003	057	
048	SPIRE PLW Ch29-32 . SHD30		SPA.S -		S114	TS2CC-28	30	114-2		CS-S114-2	HSSVMCB2	27	312200 P003	128	
-															
032	SPIRE PLW Ch29-32 . 31+		SPA.S -		S114	TS2CC-28	31	114-3			HSSVMCB2	27	312200 P003	069	
016	SPIRE PLW Ch29-32 . 31-		SPA.S -		S114	TS2CC-28	31	114-3			HSSVMCB2	27	312200 P003	080	
049	SPIRE PLW Ch29-32 . SHD31		SPA.S -		S114	TS2CC-28	31	114-3		CS-S114-3	HSSVMCB2	27	312200 P003	128	
-															
033	SPIRE PLW Ch29-32 . 32+		SPA.S -		S114	TS2CC-28	32	114-4			HSSVMCB2	27	312200 P003	070	
017	SPIRE PLW Ch29-32 . 32-		SPA.S -		S114	TS2CC-28	32	114-4			HSSVMCB2	27	312200 P003	081	
050	SPIRE PLW Ch29-32 . SHD32		SPA.S -		S114	TS2CC-28	32	114-4		CS-S114-4	HSSVMCB2	27	312200 P003	128	
-															
009	SPIRE PMW B06 GND WIRE A2		SPX.S -		S462	T01C0-26					HSSVMCB2	27	312200 P003	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P015
Item: HSDCU

Function / Bundle: DCU JFP PLW SIH-XS-06

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P014

Function / Bundle: DCU JFP PLW Ch 1-16 (S06)

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PLW Ch01-04 . 1+		SPA.S -		S104	TS2CC-28	1	104-1			HSSVMCB2	27	312200 P003	026	
018	SPIRE PLW Ch01-04 . 1-		SPA.S -		S104	TS2CC-28	1	104-1			HSSVMCB2	27	312200 P003	037	
034	SPIRE PLW Ch01-04 . SHD01		SPA.S -		S104	TS2CC-28	1	104-1	CS-S104-1		HSSVMCB2	27	312200 P003	036	
-															
002	SPIRE PLW Ch01-04 . 2+		SPA.S -		S104	TS2CC-28	2	104-2			HSSVMCB2	27	312200 P003	038	
019	SPIRE PLW Ch01-04 . 2-		SPA.S -		S104	TS2CC-28	2	104-2			HSSVMCB2	27	312200 P003	049	
035	SPIRE PLW Ch01-04 . SHD02		SPA.S -		S104	TS2CC-28	2	104-2	CS-S104-2		HSSVMCB2	27	312200 P003	036	
-															
003	SPIRE PLW Ch01-04 . 3+		SPA.S -		S104	TS2CC-28	3	104-3			HSSVMCB2	27	312200 P003	048	
020	SPIRE PLW Ch01-04 . 3-		SPA.S -		S104	TS2CC-28	3	104-3			HSSVMCB2	27	312200 P003	060	
036	SPIRE PLW Ch01-04 . SHD03		SPA.S -		S104	TS2CC-28	3	104-3	CS-S104-3		HSSVMCB2	27	312200 P003	036	
-															
004	SPIRE PLW Ch01-04 . 4+		SPA.S -		S104	TS2CC-28	4	104-4			HSSVMCB2	27	312200 P003	059	
021	SPIRE PLW Ch01-04 . 4-		SPA.S -		S104	TS2CC-28	4	104-4			HSSVMCB2	27	312200 P003	071	
037	SPIRE PLW Ch01-04 . SHD04		SPA.S -		S104	TS2CC-28	4	104-4	CS-S104-4		HSSVMCB2	27	312200 P003	036	
-															
005	SPIRE PLW Ch05-08 . 5+		SPA.S -		S105	TS2CC-28	5	105-1			HSSVMCB2	27	312200 P003	050	
022	SPIRE PLW Ch05-08 . 5-		SPA.S -		S105	TS2CC-28	5	105-1			HSSVMCB2	27	312200 P003	061	
038	SPIRE PLW Ch05-08 . SHD05		SPA.S -		S105	TS2CC-28	5	105-1	CS-S105-1		HSSVMCB2	27	312200 P003	036	
-															
006	SPIRE PLW Ch05-08 . 6+		SPA.S -		S105	TS2CC-28	6	105-2			HSSVMCB2	27	312200 P003	062	
023	SPIRE PLW Ch05-08 . 6-		SPA.S -		S105	TS2CC-28	6	105-2			HSSVMCB2	27	312200 P003	051	
039	SPIRE PLW Ch05-08 . SHD06		SPA.S -		S105	TS2CC-28	6	105-2	CS-S105-2		HSSVMCB2	27	312200 P003	036	
-															
007	SPIRE PLW Ch05-08 . 7+		SPA.S -		S105	TS2CC-28	7	105-3			HSSVMCB2	27	312200 P003	063	
024	SPIRE PLW Ch05-08 . 7-		SPA.S -		S105	TS2CC-28	7	105-3			HSSVMCB2	27	312200 P003	075	
040	SPIRE PLW Ch05-08 . SHD07		SPA.S -		S105	TS2CC-28	7	105-3	CS-S105-3		HSSVMCB2	27	312200 P003	036	
-															
008	SPIRE PLW Ch05-08 . 8+		SPA.S -		S105	TS2CC-28	8	105-4			HSSVMCB2	27	312200 P003	074	
025	SPIRE PLW Ch05-08 . 8-		SPA.S -		S105	TS2CC-28	8	105-4			HSSVMCB2	27	312200 P003	073	
041	SPIRE PLW Ch05-08 . SHD08		SPA.S -		S105	TS2CC-28	8	105-4	CS-S105-4		HSSVMCB2	27	312200 P003	036	
-															
026	SPIRE PLW Ch09-12 . 9+		SPA.S -		S106	TS2CC-28	9	106-1			HSSVMCB2	27	312200 P003	083	
010	SPIRE PLW Ch09-12 . 9-		SPA.S -		S106	TS2CC-28	9	106-1			HSSVMCB2	27	312200 P003	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P014**Function / Bundle:** DCU JFP PLW Ch 1-16 (S06)**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PLW Ch09-12 . SHD09		SPA.S -		S106	TS2CC-28	9	106-1		CS-S106-1	HSSVMCB2	27	312200 P003	036	
-															
027	SPIRE PLW Ch09-12 . 10+		SPA.S -		S106	TS2CC-28	10	106-2			HSSVMCB2	27	312200 P003	095	
011	SPIRE PLW Ch09-12 . 10-		SPA.S -		S106	TS2CC-28	10	106-2			HSSVMCB2	27	312200 P003	084	
044	SPIRE PLW Ch09-12 . SHD10		SPA.S -		S106	TS2CC-28	10	106-2		CS-S106-2	HSSVMCB2	27	312200 P003	036	
-															
028	SPIRE PLW Ch09-12 . 11+		SPA.S -		S106	TS2CC-28	11	106-3			HSSVMCB2	27	312200 P003	096	
012	SPIRE PLW Ch09-12 . 11-		SPA.S -		S106	TS2CC-28	11	106-3			HSSVMCB2	27	312200 P003	085	
045	SPIRE PLW Ch09-12 . SHD11		SPA.S -		S106	TS2CC-28	11	106-3		CS-S106-3	HSSVMCB2	27	312200 P003	036	
-															
029	SPIRE PLW Ch09-12 . 12+		SPA.S -		S106	TS2CC-28	12	106-4			HSSVMCB2	27	312200 P003	106	
013	SPIRE PLW Ch09-12 . 12-		SPA.S -		S106	TS2CC-28	12	106-4			HSSVMCB2	27	312200 P003	107	
046	SPIRE PLW Ch09-12 . SHD12		SPA.S -		S106	TS2CC-28	12	106-4		CS-S106-4	HSSVMCB2	27	312200 P003	036	
-															
030	SPIRE PLW Ch13-16 . 13+		SPA.S -		S109	TS2CC-28	13	109-1			HSSVMCB2	27	312200 P003	086	
014	SPIRE PLW Ch13-16 . 13-		SPA.S -		S109	TS2CC-28	13	109-1			HSSVMCB2	27	312200 P003	087	
047	SPIRE PLW Ch13-16 . SHD13		SPA.S -		S109	TS2CC-28	13	109-1		CS-S109-1	HSSVMCB2	27	312200 P003	036	
-															
031	SPIRE PLW Ch13-16 . 14+		SPA.S -		S109	TS2CC-28	14	109-2			HSSVMCB2	27	312200 P003	097	
015	SPIRE PLW Ch13-16 . 14-		SPA.S -		S109	TS2CC-28	14	109-2			HSSVMCB2	27	312200 P003	098	
048	SPIRE PLW Ch13-16 . SHD14		SPA.S -		S109	TS2CC-28	14	109-2		CS-S109-2	HSSVMCB2	27	312200 P003	036	
-															
032	SPIRE PLW Ch13-16 . 15+		SPA.S -		S109	TS2CC-28	15	109-3			HSSVMCB2	27	312200 P003	108	
016	SPIRE PLW Ch13-16 . 15-		SPA.S -		S109	TS2CC-28	15	109-3			HSSVMCB2	27	312200 P003	109	
049	SPIRE PLW Ch13-16 . SHD15		SPA.S -		S109	TS2CC-28	15	109-3		CS-S109-3	HSSVMCB2	27	312200 P003	036	
-															
033	SPIRE PLW Ch13-16 . 16+		SPA.S -		S109	TS2CC-28	16	109-4			HSSVMCB2	27	312200 P003	116	
017	SPIRE PLW Ch13-16 . 16-		SPA.S -		S109	TS2CC-28	16	109-4			HSSVMCB2	27	312200 P003	117	
050	SPIRE PLW Ch13-16 . SHD16		SPA.S -		S109	TS2CC-28	16	109-4		CS-S109-4	HSSVMCB2	27	312200 P003	036	
-															
009	SPIRE PLW B06 GND WIRE A1		SPX.S -		S461	T01C0-26					HSSVMCB2	27	312200 P003	036	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 495 (of 599)

Connector: 122300 P014
Item: HSDCU

Function / Bundle: DCU JFP PLW Ch 1-16 (S06)

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (5) Ch01-04 . 1+		SPC.S -		S158	TS2CC-28	1	158-1			HSDCU	17	122300 P011	001	
037	SPIRE PSW (5) Ch01-04 . 1-		SPC.S -		S158	TS2CC-28	1	158-1			HSDCU	17	122300 P011	018	
036	SPIRE PSW (5) Ch01-04 . SHD01		SPC.S -		S158	TS2CC-28	1	158-1	CS-S158-1		HSDCU	17	122300 P011	034	
-															
038	SPIRE PSW (5) Ch01-04 . 2+		SPC.S -		S158	TS2CC-28	2	158-2			HSDCU	17	122300 P011	002	
049	SPIRE PSW (5) Ch01-04 . 2-		SPC.S -		S158	TS2CC-28	2	158-2			HSDCU	17	122300 P011	019	
036	SPIRE PSW (5) Ch01-04 . SHD02		SPC.S -		S158	TS2CC-28	2	158-2	CS-S158-2		HSDCU	17	122300 P011	035	
-															
048	SPIRE PSW (5) Ch01-04 . 3+		SPC.S -		S158	TS2CC-28	3	158-3			HSDCU	17	122300 P011	003	
060	SPIRE PSW (5) Ch01-04 . 3-		SPC.S -		S158	TS2CC-28	3	158-3			HSDCU	17	122300 P011	020	
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.S -		S158	TS2CC-28	3	158-3	CS-S158-3		HSDCU	17	122300 P011	036	
-															
059	SPIRE PSW (5) Ch01-04 . 4+		SPC.S -		S158	TS2CC-28	4	158-4			HSDCU	17	122300 P011	004	
071	SPIRE PSW (5) Ch01-04 . 4-		SPC.S -		S158	TS2CC-28	4	158-4			HSDCU	17	122300 P011	021	
036	SPIRE PSW (5) Ch01-04 . SHD04		SPC.S -		S158	TS2CC-28	4	158-4	CS-S158-4		HSDCU	17	122300 P011	037	
-															
050	SPIRE PSW (5) Ch05-08 . 5+		SPC.S -		S159	TS2CC-28	5	159-1			HSDCU	17	122300 P011	005	
061	SPIRE PSW (5) Ch05-08 . 5-		SPC.S -		S159	TS2CC-28	5	159-1			HSDCU	17	122300 P011	022	
036	SPIRE PSW (5) Ch05-08 . SHD05		SPC.S -		S159	TS2CC-28	5	159-1	CS-S159-1		HSDCU	17	122300 P011	038	
-															
062	SPIRE PSW (5) Ch05-08 . 6+		SPC.S -		S159	TS2CC-28	6	159-2			HSDCU	17	122300 P011	006	
051	SPIRE PSW (5) Ch05-08 . 6-		SPC.S -		S159	TS2CC-28	6	159-2			HSDCU	17	122300 P011	023	
036	SPIRE PSW (5) Ch05-08 . SHD06		SPC.S -		S159	TS2CC-28	6	159-2	CS-S159-2		HSDCU	17	122300 P011	039	
-															
063	SPIRE PSW (5) Ch05-08 . 7+		SPC.S -		S159	TS2CC-28	7	159-3			HSDCU	17	122300 P011	007	
075	SPIRE PSW (5) Ch05-08 . 7-		SPC.S -		S159	TS2CC-28	7	159-3			HSDCU	17	122300 P011	024	
036	SPIRE PSW (5) Ch05-08 . SHD07		SPC.S -		S159	TS2CC-28	7	159-3	CS-S159-3		HSDCU	17	122300 P011	040	
-															
074	SPIRE PSW (5) Ch05-08 . 8+		SPC.S -		S159	TS2CC-28	8	159-4			HSDCU	17	122300 P011	008	
073	SPIRE PSW (5) Ch05-08 . 8-		SPC.S -		S159	TS2CC-28	8	159-4			HSDCU	17	122300 P011	025	
036	SPIRE PSW (5) Ch05-08 . SHD08		SPC.S -		S159	TS2CC-28	8	159-4	CS-S159-4		HSDCU	17	122300 P011	041	
-															
083	SPIRE PSW (5) Ch09-12 . 9+		SPC.S -		S160	TS2CC-28	9	160-1			HSDCU	17	122300 P011	026	
072	SPIRE PSW (5) Ch09-12 . 9-		SPC.S -		S160	TS2CC-28	9	160-1			HSDCU	17	122300 P011	010	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW (5) Ch09-12 . SHD09		SPC.S -		S160	TS2CC-28	9	160-1		CS-S160-1	HSDCU	17	122300 P011	043	
-															
095	SPIRE PSW (5) Ch09-12 . 10+		SPC.S -		S160	TS2CC-28	10	160-2			HSDCU	17	122300 P011	027	
084	SPIRE PSW (5) Ch09-12 . 10-		SPC.S -		S160	TS2CC-28	10	160-2			HSDCU	17	122300 P011	011	
036	SPIRE PSW (5) Ch09-12 . SHD10		SPC.S -		S160	TS2CC-28	10	160-2		CS-S160-2	HSDCU	17	122300 P011	044	
-															
096	SPIRE PSW (5) Ch09-12 . 11+		SPC.S -		S160	TS2CC-28	11	160-3			HSDCU	17	122300 P011	028	
085	SPIRE PSW (5) Ch09-12 . 11-		SPC.S -		S160	TS2CC-28	11	160-3			HSDCU	17	122300 P011	012	
036	SPIRE PSW (5) Ch09-12 . SHD11		SPC.S -		S160	TS2CC-28	11	160-3		CS-S160-3	HSDCU	17	122300 P011	045	
-															
106	SPIRE PSW (5) Ch09-12 . 12+		SPC.S -		S160	TS2CC-28	12	160-4			HSDCU	17	122300 P011	029	
107	SPIRE PSW (5) Ch09-12 . 12-		SPC.S -		S160	TS2CC-28	12	160-4			HSDCU	17	122300 P011	013	
036	SPIRE PSW (5) Ch09-12 . SHD12		SPC.S -		S160	TS2CC-28	12	160-4		CS-S160-4	HSDCU	17	122300 P011	046	
-															
086	SPIRE PSW (5) Ch13-16 . 13+		SPC.S -		S163	TS2CC-28	13	163-1			HSDCU	17	122300 P011	030	
087	SPIRE PSW (5) Ch13-16 . 13-		SPC.S -		S163	TS2CC-28	13	163-1			HSDCU	17	122300 P011	014	
036	SPIRE PSW (5) Ch13-16 . SHD13		SPC.S -		S163	TS2CC-28	13	163-1		CS-S163-1	HSDCU	17	122300 P011	047	
-															
097	SPIRE PSW (5) Ch13-16 . 14+		SPC.S -		S163	TS2CC-28	14	163-2			HSDCU	17	122300 P011	031	
098	SPIRE PSW (5) Ch13-16 . 14-		SPC.S -		S163	TS2CC-28	14	163-2			HSDCU	17	122300 P011	015	
036	SPIRE PSW (5) Ch13-16 . SHD14		SPC.S -		S163	TS2CC-28	14	163-2		CS-S163-2	HSDCU	17	122300 P011	048	
-															
108	SPIRE PSW (5) Ch13-16 . 15+		SPC.S -		S163	TS2CC-28	15	163-3			HSDCU	17	122300 P011	032	
109	SPIRE PSW (5) Ch13-16 . 15-		SPC.S -		S163	TS2CC-28	15	163-3			HSDCU	17	122300 P011	016	
036	SPIRE PSW (5) Ch13-16 . SHD15		SPC.S -		S163	TS2CC-28	15	163-3		CS-S163-3	HSDCU	17	122300 P011	049	
-															
116	SPIRE PSW (5) Ch13-16 . 16+		SPC.S -		S163	TS2CC-28	16	163-4			HSDCU	17	122300 P011	033	
117	SPIRE PSW (5) Ch13-16 . 16-		SPC.S -		S163	TS2CC-28	16	163-4			HSDCU	17	122300 P011	017	
036	SPIRE PSW (5) Ch13-16 . SHD16		SPC.S -		S163	TS2CC-28	16	163-4		CS-S163-4	HSDCU	17	122300 P011	050	
-															
036	SPIRE PLW B07 GND WIRE A1		SPX.S -		S471	T01C0-26					HSDCU	17	122300 P011	009	
-															
055	SPIRE PSW (5) Ch17-20 . 17+		SPC.S -		S164	TS2CC-28	17	164-1			HSDCU	17	122300 P012	001	
066	SPIRE PSW (5) Ch17-20 . 17-		SPC.S -		S164	TS2CC-28	17	164-1			HSDCU	17	122300 P012	018	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW (5) Ch17-20 . SHD17		SPC.S -		S164	TS2CC-28	17	164-1		CS-S164-1	HSDCU	17	122300 P012	034	
-															
067	SPIRE PSW (5) Ch17-20 . 18+		SPC.S -		S164	TS2CC-28	18	164-2			HSDCU	17	122300 P012	002	
078	SPIRE PSW (5) Ch17-20 . 18-		SPC.S -		S164	TS2CC-28	18	164-2			HSDCU	17	122300 P012	019	
128	SPIRE PSW (5) Ch17-20 . SHD18		SPC.S -		S164	TS2CC-28	18	164-2		CS-S164-2	HSDCU	17	122300 P012	035	
-															
076	SPIRE PSW (5) Ch17-20 . 19+		SPC.S -		S164	TS2CC-28	19	164-3			HSDCU	17	122300 P012	003	
077	SPIRE PSW (5) Ch17-20 . 19-		SPC.S -		S164	TS2CC-28	19	164-3			HSDCU	17	122300 P012	020	
128	SPIRE PSW (5) Ch17-20 . SHD19		SPC.S -		S164	TS2CC-28	19	164-3		CS-S164-3	HSDCU	17	122300 P012	036	
-															
088	SPIRE PSW (5) Ch17-20 . 20+		SPC.S -		S164	TS2CC-28	20	164-4			HSDCU	17	122300 P012	004	
089	SPIRE PSW (5) Ch17-20 . 20-		SPC.S -		S164	TS2CC-28	20	164-4			HSDCU	17	122300 P012	021	
128	SPIRE PSW (5) Ch17-20 . SHD20		SPC.S -		S164	TS2CC-28	20	164-4		CS-S164-4	HSDCU	17	122300 P012	037	
-															
099	SPIRE PSW (5) Ch21-24 . 21+		SPC.S -		S165	TS2CC-28	21	165-1			HSDCU	17	122300 P012	005	
100	SPIRE PSW (5) Ch21-24 . 21-		SPC.S -		S165	TS2CC-28	21	165-1			HSDCU	17	122300 P012	022	
128	SPIRE PSW (5) Ch21-24 . SHD21		SPC.S -		S165	TS2CC-28	21	165-1		CS-S165-1	HSDCU	17	122300 P012	038	
-															
110	SPIRE PSW (5) Ch21-24 . 22+		SPC.S -		S165	TS2CC-28	22	165-2			HSDCU	17	122300 P012	006	
111	SPIRE PSW (5) Ch21-24 . 22-		SPC.S -		S165	TS2CC-28	22	165-2			HSDCU	17	122300 P012	023	
128	SPIRE PSW (5) Ch21-24 . SHD22		SPC.S -		S165	TS2CC-28	22	165-2		CS-S165-2	HSDCU	17	122300 P012	039	
-															
118	SPIRE PSW (5) Ch21-24 . 23+		SPC.S -		S165	TS2CC-28	23	165-3			HSDCU	17	122300 P012	007	
119	SPIRE PSW (5) Ch21-24 . 23-		SPC.S -		S165	TS2CC-28	23	165-3			HSDCU	17	122300 P012	024	
128	SPIRE PSW (5) Ch21-24 . SHD23		SPC.S -		S165	TS2CC-28	23	165-3		CS-S165-3	HSDCU	17	122300 P012	040	
-															
112	SPIRE PSW (5) Ch21-24 . 24+		SPC.S -		S165	TS2CC-28	24	165-4			HSDCU	17	122300 P012	008	
120	SPIRE PSW (5) Ch21-24 . 24-		SPC.S -		S165	TS2CC-28	24	165-4			HSDCU	17	122300 P012	025	
128	SPIRE PSW (5) Ch21-24 . SHD24		SPC.S -		S165	TS2CC-28	24	165-4		CS-S165-4	HSDCU	17	122300 P012	041	
-															
090	SPIRE PSW (6) Ch25-28 . 25+		SPC.S -		S167	TS2CC-28	25	167-1			HSDCU	17	122300 P012	026	
079	SPIRE PSW (6) Ch25-28 . 25-		SPC.S -		S167	TS2CC-28	25	167-1			HSDCU	17	122300 P012	010	
128	SPIRE PSW (6) Ch25-28 . SHD25		SPC.S -		S167	TS2CC-28	25	167-1		CS-S167-1	HSDCU	17	122300 P012	043	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW (6) Ch25-28 . 26+		SPC.S -		S167	TS2CC-28	26	167-2			HSDCU	17	122300 P012	027	
101	SPIRE PSW (6) Ch25-28 . 26-		SPC.S -		S167	TS2CC-28	26	167-2			HSDCU	17	122300 P012	011	
128	SPIRE PSW (6) Ch25-28 . SHD26		SPC.S -		S167	TS2CC-28	26	167-2	CS-S167-2		HSDCU	17	122300 P012	044	
-															
092	SPIRE PSW (6) Ch25-28 . 27+		SPC.S -		S167	TS2CC-28	27	167-3			HSDCU	17	122300 P012	028	
091	SPIRE PSW (6) Ch25-28 . 27-		SPC.S -		S167	TS2CC-28	27	167-3			HSDCU	17	122300 P012	012	
128	SPIRE PSW (6) Ch25-28 . SHD27		SPC.S -		S167	TS2CC-28	27	167-3	CS-S167-3		HSDCU	17	122300 P012	045	
-															
103	SPIRE PSW (6) Ch25-28 . 28+		SPC.S -		S167	TS2CC-28	28	167-4			HSDCU	17	122300 P012	029	
113	SPIRE PSW (6) Ch25-28 . 28-		SPC.S -		S167	TS2CC-28	28	167-4			HSDCU	17	122300 P012	013	
128	SPIRE PSW (6) Ch25-28 . SHD28		SPC.S -		S167	TS2CC-28	28	167-4	CS-S167-4		HSDCU	17	122300 P012	046	
-															
058	SPIRE PSW (6) Ch29-32 . 29+		SPC.S -		S168	TS2CC-28	29	168-1			HSDCU	17	122300 P012	030	
046	SPIRE PSW (6) Ch29-32 . 29-		SPC.S -		S168	TS2CC-28	29	168-1			HSDCU	17	122300 P012	014	
128	SPIRE PSW (6) Ch29-32 . SHD29		SPC.S -		S168	TS2CC-28	29	168-1	CS-S168-1		HSDCU	17	122300 P012	047	
-															
068	SPIRE PSW (6) Ch29-32 . 30+		SPC.S -		S168	TS2CC-28	30	168-2			HSDCU	17	122300 P012	031	
057	SPIRE PSW (6) Ch29-32 . 30-		SPC.S -		S168	TS2CC-28	30	168-2			HSDCU	17	122300 P012	015	
128	SPIRE PSW (6) Ch29-32 . SHD30		SPC.S -		S168	TS2CC-28	30	168-2	CS-S168-2		HSDCU	17	122300 P012	048	
-															
069	SPIRE PSW (6) Ch29-32 . 31+		SPC.S -		S168	TS2CC-28	31	168-3			HSDCU	17	122300 P012	032	
080	SPIRE PSW (6) Ch29-32 . 31-		SPC.S -		S168	TS2CC-28	31	168-3			HSDCU	17	122300 P012	016	
128	SPIRE PSW (6) Ch29-32 . SHD31		SPC.S -		S168	TS2CC-28	31	168-3	CS-S168-3		HSDCU	17	122300 P012	049	
-															
070	SPIRE PSW (6) Ch29-32 . 32+		SPC.S -		S168	TS2CC-28	32	168-4			HSDCU	17	122300 P012	033	
081	SPIRE PSW (6) Ch29-32 . 32-		SPC.S -		S168	TS2CC-28	32	168-4			HSDCU	17	122300 P012	017	
128	SPIRE PSW (6) Ch29-32 . SHD32		SPC.S -		S168	TS2CC-28	32	168-4	CS-S168-4		HSDCU	17	122300 P012	050	
-															
128	SPIRE PLW B07 GND WIRE A2		SPX.S -		S472	T01C0-26					HSDCU	17	122300 P012	009	
-															
023	SPIRE PSW (6) Ch33-36 . 33+		SPC.S -		S169	TS2CC-28	33	169-1			HSDCU	17	122300 P013	001	
034	SPIRE PSW (6) Ch33-36 . 33-		SPC.S -		S169	TS2CC-28	33	169-1			HSDCU	17	122300 P013	018	
004	SPIRE PSW (6) Ch33-36 . SHD33		SPC.S -		S169	TS2CC-28	33	169-1	CS-S169-1		HSDCU	17	122300 P013	034	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW (6) Ch33-36 . 34+		SPC.S -		S169	TS2CC-28	34	169-2			HSDCU	17	122300 P013	002	
045	SPIRE PSW (6) Ch33-36 . 34-		SPC.S -		S169	TS2CC-28	34	169-2			HSDCU	17	122300 P013	019	
004	SPIRE PSW (6) Ch33-36 . SHD34		SPC.S -		S169	TS2CC-28	34	169-2	CS-S169-2		HSDCU	17	122300 P013	035	
-															
044	SPIRE PSW (6) Ch33-36 . 35+		SPC.S -		S169	TS2CC-28	35	169-3			HSDCU	17	122300 P013	003	
056	SPIRE PSW (6) Ch33-36 . 35-		SPC.S -		S169	TS2CC-28	35	169-3			HSDCU	17	122300 P013	020	
004	SPIRE PSW (6) Ch33-36 . SHD35		SPC.S -		S169	TS2CC-28	35	169-3	CS-S169-3		HSDCU	17	122300 P013	036	
-															
022	SPIRE PSW (6) Ch33-36 . 36+		SPC.S -		S169	TS2CC-28	36	169-4			HSDCU	17	122300 P013	004	
032	SPIRE PSW (6) Ch33-36 . 36-		SPC.S -		S169	TS2CC-28	36	169-4			HSDCU	17	122300 P013	021	
004	SPIRE PSW (6) Ch33-36 . SHD36		SPC.S -		S169	TS2CC-28	36	169-4	CS-S169-4		HSDCU	17	122300 P013	037	
-															
013	SPIRE PSW (6) Ch37-40 . 37+		SPC.S -		S172	TS2CC-28	37	172-1			HSDCU	17	122300 P013	005	
012	SPIRE PSW (6) Ch37-40 . 37-		SPC.S -		S172	TS2CC-28	37	172-1			HSDCU	17	122300 P013	022	
004	SPIRE PSW (6) Ch37-40 . SHD37		SPC.S -		S172	TS2CC-28	37	172-1	CS-S172-1		HSDCU	17	122300 P013	038	
-															
021	SPIRE PSW (6) Ch37-40 . 38+		SPC.S -		S172	TS2CC-28	38	172-2			HSDCU	17	122300 P013	006	
020	SPIRE PSW (6) Ch37-40 . 38-		SPC.S -		S172	TS2CC-28	38	172-2			HSDCU	17	122300 P013	023	
004	SPIRE PSW (6) Ch37-40 . SHD38		SPC.S -		S172	TS2CC-28	38	172-2	CS-S172-2		HSDCU	17	122300 P013	039	
-															
031	SPIRE PSW (6) Ch37-40 . 39+		SPC.S -		S172	TS2CC-28	39	172-3			HSDCU	17	122300 P013	007	
043	SPIRE PSW (6) Ch37-40 . 39-		SPC.S -		S172	TS2CC-28	39	172-3			HSDCU	17	122300 P013	024	
004	SPIRE PSW (6) Ch37-40 . SHD39		SPC.S -		S172	TS2CC-28	39	172-3	CS-S172-3		HSDCU	17	122300 P013	040	
-															
042	SPIRE PSW (6) Ch37-40 . 40+		SPC.S -		S172	TS2CC-28	40	172-4			HSDCU	17	122300 P013	008	
054	SPIRE PSW (6) Ch37-40 . 40-		SPC.S -		S172	TS2CC-28	40	172-4			HSDCU	17	122300 P013	025	
004	SPIRE PSW (6) Ch37-40 . SHD40		SPC.S -		S172	TS2CC-28	40	172-4	CS-S172-4		HSDCU	17	122300 P013	041	
-															
010	SPIRE PSW (6) Ch41-44 . 41+		SPC.S -		S173	TS2CC-28	41	173-1			HSDCU	17	122300 P013	026	
011	SPIRE PSW (6) Ch41-44 . 41-		SPC.S -		S173	TS2CC-28	41	173-1			HSDCU	17	122300 P013	010	
004	SPIRE PSW (6) Ch41-44 . SHD41		SPC.S -		S173	TS2CC-28	41	173-1	CS-S173-1		HSDCU	17	122300 P013	043	
-															
019	SPIRE PSW (6) Ch41-44 . 42+		SPC.S -		S173	TS2CC-28	42	173-2			HSDCU	17	122300 P013	027	
029	SPIRE PSW (6) Ch41-44 . 42-		SPC.S -		S173	TS2CC-28	42	173-2			HSDCU	17	122300 P013	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P004

Function / Bundle: SPIRE SVM CB2 SIH-XS-07

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW (6) Ch41-44 . SHD42		SPC.S -		S173	TS2CC-28	42	173-2		CS-S173-2	HSDCU	17	122300 P013	044	
-															
041	SPIRE PSW (6) Ch41-44 . 43+		SPC.S -		S173	TS2CC-28	43	173-3			HSDCU	17	122300 P013	028	
030	SPIRE PSW (6) Ch41-44 . 43-		SPC.S -		S173	TS2CC-28	43	173-3			HSDCU	17	122300 P013	012	
004	SPIRE PSW (6) Ch41-44 . SHD43		SPC.S -		S173	TS2CC-28	43	173-3		CS-S173-3	HSDCU	17	122300 P013	045	
-															
053	SPIRE PSW (6) Ch41-44 . 44+		SPC.S -		S173	TS2CC-28	44	173-4			HSDCU	17	122300 P013	029	
052	SPIRE PSW (6) Ch41-44 . 44-		SPC.S -		S173	TS2CC-28	44	173-4			HSDCU	17	122300 P013	013	
004	SPIRE PSW (6) Ch41-44 . SHD44		SPC.S -		S173	TS2CC-28	44	173-4		CS-S173-4	HSDCU	17	122300 P013	046	
-															
009	SPIRE PSW (6) Ch45-48 . 45+		SPC.S -		S174	TS2CC-28	45	174-1			HSDCU	17	122300 P013	030	
017	SPIRE PSW (6) Ch45-48 . 45-		SPC.S -		S174	TS2CC-28	45	174-1			HSDCU	17	122300 P013	014	
004	SPIRE PSW (6) Ch45-48 . SHD45		SPC.S -		S174	TS2CC-28	45	174-1		CS-S174-1	HSDCU	17	122300 P013	047	
-															
018	SPIRE PSW (6) Ch45-48 . 46+		SPC.S -		S174	TS2CC-28	46	174-2			HSDCU	17	122300 P013	031	
028	SPIRE PSW (6) Ch45-48 . 46-		SPC.S -		S174	TS2CC-28	46	174-2			HSDCU	17	122300 P013	015	
004	SPIRE PSW (6) Ch45-48 . SHD46		SPC.S -		S174	TS2CC-28	46	174-2		CS-S174-2	HSDCU	17	122300 P013	048	
-															
016	SPIRE PSW (6) Ch45-48 . 47+		SPC.S -		S174	TS2CC-28	47	174-3			HSDCU	17	122300 P013	032	
027	SPIRE PSW (6) Ch45-48 . 47-		SPC.S -		S174	TS2CC-28	47	174-3			HSDCU	17	122300 P013	016	
004	SPIRE PSW (6) Ch45-48 . SHD47		SPC.S -		S174	TS2CC-28	47	174-3		CS-S174-3	HSDCU	17	122300 P013	049	
-															
040	SPIRE PSW (6) Ch45-48 . 48+		SPC.S -		S174	TS2CC-28	48	174-4			HSDCU	17	122300 P013	033	
039	SPIRE PSW (6) Ch45-48 . 48-		SPC.S -		S174	TS2CC-28	48	174-4			HSDCU	17	122300 P013	017	
004	SPIRE PSW (6) Ch45-48 . SHD48		SPC.S -		S174	TS2CC-28	48	174-4		CS-S174-4	HSDCU	17	122300 P013	050	
-															
004	SPIRE PLW B07 GND WIRE A4		SPX.S -		S474	T01C0-26					HSDCU	17	122300 P013	009	
-															
047	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
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)
SPIRE

Connector: 312200 P004**Function / Bundle:** SPIRE SVM CB2 SIH-XS-07**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
005	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
024	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	2 pins are NC									The following Pins are NC :					
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P013

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW (6) Ch33-36 . 33+		SPC.S -		S169	TS2CC-28	33	169-1			HSSVMCB2	27	312200 P004	023	
018	SPIRE PSW (6) Ch33-36 . 33-		SPC.S -		S169	TS2CC-28	33	169-1			HSSVMCB2	27	312200 P004	034	
034	SPIRE PSW (6) Ch33-36 . SHD33		SPC.S -		S169	TS2CC-28	33	169-1	CS-S169-1		HSSVMCB2	27	312200 P004	004	
-															
002	SPIRE PSW (6) Ch33-36 . 34+		SPC.S -		S169	TS2CC-28	34	169-2			HSSVMCB2	27	312200 P004	033	
019	SPIRE PSW (6) Ch33-36 . 34-		SPC.S -		S169	TS2CC-28	34	169-2			HSSVMCB2	27	312200 P004	045	
035	SPIRE PSW (6) Ch33-36 . SHD34		SPC.S -		S169	TS2CC-28	34	169-2	CS-S169-2		HSSVMCB2	27	312200 P004	004	
-															
003	SPIRE PSW (6) Ch33-36 . 35+		SPC.S -		S169	TS2CC-28	35	169-3			HSSVMCB2	27	312200 P004	044	
020	SPIRE PSW (6) Ch33-36 . 35-		SPC.S -		S169	TS2CC-28	35	169-3			HSSVMCB2	27	312200 P004	056	
036	SPIRE PSW (6) Ch33-36 . SHD35		SPC.S -		S169	TS2CC-28	35	169-3	CS-S169-3		HSSVMCB2	27	312200 P004	004	
-															
004	SPIRE PSW (6) Ch33-36 . 36+		SPC.S -		S169	TS2CC-28	36	169-4			HSSVMCB2	27	312200 P004	022	
021	SPIRE PSW (6) Ch33-36 . 36-		SPC.S -		S169	TS2CC-28	36	169-4			HSSVMCB2	27	312200 P004	032	
037	SPIRE PSW (6) Ch33-36 . SHD36		SPC.S -		S169	TS2CC-28	36	169-4	CS-S169-4		HSSVMCB2	27	312200 P004	004	
-															
005	SPIRE PSW (6) Ch37-40 . 37+		SPC.S -		S172	TS2CC-28	37	172-1			HSSVMCB2	27	312200 P004	013	
022	SPIRE PSW (6) Ch37-40 . 37-		SPC.S -		S172	TS2CC-28	37	172-1			HSSVMCB2	27	312200 P004	012	
038	SPIRE PSW (6) Ch37-40 . SHD37		SPC.S -		S172	TS2CC-28	37	172-1	CS-S172-1		HSSVMCB2	27	312200 P004	004	
-															
006	SPIRE PSW (6) Ch37-40 . 38+		SPC.S -		S172	TS2CC-28	38	172-2			HSSVMCB2	27	312200 P004	021	
023	SPIRE PSW (6) Ch37-40 . 38-		SPC.S -		S172	TS2CC-28	38	172-2			HSSVMCB2	27	312200 P004	020	
039	SPIRE PSW (6) Ch37-40 . SHD38		SPC.S -		S172	TS2CC-28	38	172-2	CS-S172-2		HSSVMCB2	27	312200 P004	004	
-															
007	SPIRE PSW (6) Ch37-40 . 39+		SPC.S -		S172	TS2CC-28	39	172-3			HSSVMCB2	27	312200 P004	031	
024	SPIRE PSW (6) Ch37-40 . 39-		SPC.S -		S172	TS2CC-28	39	172-3			HSSVMCB2	27	312200 P004	043	
040	SPIRE PSW (6) Ch37-40 . SHD39		SPC.S -		S172	TS2CC-28	39	172-3	CS-S172-3		HSSVMCB2	27	312200 P004	004	
-															
008	SPIRE PSW (6) Ch37-40 . 40+		SPC.S -		S172	TS2CC-28	40	172-4			HSSVMCB2	27	312200 P004	042	
025	SPIRE PSW (6) Ch37-40 . 40-		SPC.S -		S172	TS2CC-28	40	172-4			HSSVMCB2	27	312200 P004	054	
041	SPIRE PSW (6) Ch37-40 . SHD40		SPC.S -		S172	TS2CC-28	40	172-4	CS-S172-4		HSSVMCB2	27	312200 P004	004	
-															
026	SPIRE PSW (6) Ch41-44 . 41+		SPC.S -		S173	TS2CC-28	41	173-1			HSSVMCB2	27	312200 P004	010	
010	SPIRE PSW (6) Ch41-44 . 41-		SPC.S -		S173	TS2CC-28	41	173-1			HSSVMCB2	27	312200 P004	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P013

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (6) Ch41-44 . SHD41		SPC.S -		S173	TS2CC-28	41	173-1		CS-S173-1	HSSVMCB2	27	312200 P004	004	
-															
027	SPIRE PSW (6) Ch41-44 . 42+		SPC.S -		S173	TS2CC-28	42	173-2			HSSVMCB2	27	312200 P004	019	
011	SPIRE PSW (6) Ch41-44 . 42-		SPC.S -		S173	TS2CC-28	42	173-2			HSSVMCB2	27	312200 P004	029	
044	SPIRE PSW (6) Ch41-44 . SHD42		SPC.S -		S173	TS2CC-28	42	173-2		CS-S173-2	HSSVMCB2	27	312200 P004	004	
-															
028	SPIRE PSW (6) Ch41-44 . 43+		SPC.S -		S173	TS2CC-28	43	173-3			HSSVMCB2	27	312200 P004	041	
012	SPIRE PSW (6) Ch41-44 . 43-		SPC.S -		S173	TS2CC-28	43	173-3			HSSVMCB2	27	312200 P004	030	
045	SPIRE PSW (6) Ch41-44 . SHD43		SPC.S -		S173	TS2CC-28	43	173-3		CS-S173-3	HSSVMCB2	27	312200 P004	004	
-															
029	SPIRE PSW (6) Ch41-44 . 44+		SPC.S -		S173	TS2CC-28	44	173-4			HSSVMCB2	27	312200 P004	053	
013	SPIRE PSW (6) Ch41-44 . 44-		SPC.S -		S173	TS2CC-28	44	173-4			HSSVMCB2	27	312200 P004	052	
046	SPIRE PSW (6) Ch41-44 . SHD44		SPC.S -		S173	TS2CC-28	44	173-4		CS-S173-4	HSSVMCB2	27	312200 P004	004	
-															
030	SPIRE PSW (6) Ch45-48 . 45+		SPC.S -		S174	TS2CC-28	45	174-1			HSSVMCB2	27	312200 P004	009	
014	SPIRE PSW (6) Ch45-48 . 45-		SPC.S -		S174	TS2CC-28	45	174-1			HSSVMCB2	27	312200 P004	017	
047	SPIRE PSW (6) Ch45-48 . SHD45		SPC.S -		S174	TS2CC-28	45	174-1		CS-S174-1	HSSVMCB2	27	312200 P004	004	
-															
031	SPIRE PSW (6) Ch45-48 . 46+		SPC.S -		S174	TS2CC-28	46	174-2			HSSVMCB2	27	312200 P004	018	
015	SPIRE PSW (6) Ch45-48 . 46-		SPC.S -		S174	TS2CC-28	46	174-2			HSSVMCB2	27	312200 P004	028	
048	SPIRE PSW (6) Ch45-48 . SHD46		SPC.S -		S174	TS2CC-28	46	174-2		CS-S174-2	HSSVMCB2	27	312200 P004	004	
-															
032	SPIRE PSW (6) Ch45-48 . 47+		SPC.S -		S174	TS2CC-28	47	174-3			HSSVMCB2	27	312200 P004	016	
016	SPIRE PSW (6) Ch45-48 . 47-		SPC.S -		S174	TS2CC-28	47	174-3			HSSVMCB2	27	312200 P004	027	
049	SPIRE PSW (6) Ch45-48 . SHD47		SPC.S -		S174	TS2CC-28	47	174-3		CS-S174-3	HSSVMCB2	27	312200 P004	004	
-															
033	SPIRE PSW (6) Ch45-48 . 48+		SPC.S -		S174	TS2CC-28	48	174-4			HSSVMCB2	27	312200 P004	040	
017	SPIRE PSW (6) Ch45-48 . 48-		SPC.S -		S174	TS2CC-28	48	174-4			HSSVMCB2	27	312200 P004	039	
050	SPIRE PSW (6) Ch45-48 . SHD48		SPC.S -		S174	TS2CC-28	48	174-4		CS-S174-4	HSSVMCB2	27	312200 P004	004	
-															
009	SPIRE PLW B07 GND WIRE A4		SPX.S -		S474	T01C0-26					HSSVMCB2	27	312200 P004	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH
 Project: **HERSCHEL**

Pin Allocation List
(Harness)
SPIRE

Doc. No. : HP-2-ASED-IC-0016
 Issue : 3.0 Date : 27.02.2009
 Sheet : 505 (of 599)

Connector: 122300 P013
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P012**Function / Bundle:** DCU JFP PSW SIH-XS-07**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW (5) Ch17-20 . 17+		SPC.S -		S164	TS2CC-28	17	164-1			HSSVMCB2	27	312200 P004	055	
018	SPIRE PSW (5) Ch17-20 . 17-		SPC.S -		S164	TS2CC-28	17	164-1			HSSVMCB2	27	312200 P004	066	
034	SPIRE PSW (5) Ch17-20 . SHD17		SPC.S -		S164	TS2CC-28	17	164-1	CS-S164-1		HSSVMCB2	27	312200 P004	128	
-															
002	SPIRE PSW (5) Ch17-20 . 18+		SPC.S -		S164	TS2CC-28	18	164-2			HSSVMCB2	27	312200 P004	067	
019	SPIRE PSW (5) Ch17-20 . 18-		SPC.S -		S164	TS2CC-28	18	164-2			HSSVMCB2	27	312200 P004	078	
035	SPIRE PSW (5) Ch17-20 . SHD18		SPC.S -		S164	TS2CC-28	18	164-2	CS-S164-2		HSSVMCB2	27	312200 P004	128	
-															
003	SPIRE PSW (5) Ch17-20 . 19+		SPC.S -		S164	TS2CC-28	19	164-3			HSSVMCB2	27	312200 P004	076	
020	SPIRE PSW (5) Ch17-20 . 19-		SPC.S -		S164	TS2CC-28	19	164-3			HSSVMCB2	27	312200 P004	077	
036	SPIRE PSW (5) Ch17-20 . SHD19		SPC.S -		S164	TS2CC-28	19	164-3	CS-S164-3		HSSVMCB2	27	312200 P004	128	
-															
004	SPIRE PSW (5) Ch17-20 . 20+		SPC.S -		S164	TS2CC-28	20	164-4			HSSVMCB2	27	312200 P004	088	
021	SPIRE PSW (5) Ch17-20 . 20-		SPC.S -		S164	TS2CC-28	20	164-4			HSSVMCB2	27	312200 P004	089	
037	SPIRE PSW (5) Ch17-20 . SHD20		SPC.S -		S164	TS2CC-28	20	164-4	CS-S164-4		HSSVMCB2	27	312200 P004	128	
-															
005	SPIRE PSW (5) Ch21-24 . 21+		SPC.S -		S165	TS2CC-28	21	165-1			HSSVMCB2	27	312200 P004	099	
022	SPIRE PSW (5) Ch21-24 . 21-		SPC.S -		S165	TS2CC-28	21	165-1			HSSVMCB2	27	312200 P004	100	
038	SPIRE PSW (5) Ch21-24 . SHD21		SPC.S -		S165	TS2CC-28	21	165-1	CS-S165-1		HSSVMCB2	27	312200 P004	128	
-															
006	SPIRE PSW (5) Ch21-24 . 22+		SPC.S -		S165	TS2CC-28	22	165-2			HSSVMCB2	27	312200 P004	110	
023	SPIRE PSW (5) Ch21-24 . 22-		SPC.S -		S165	TS2CC-28	22	165-2			HSSVMCB2	27	312200 P004	111	
039	SPIRE PSW (5) Ch21-24 . SHD22		SPC.S -		S165	TS2CC-28	22	165-2	CS-S165-2		HSSVMCB2	27	312200 P004	128	
-															
007	SPIRE PSW (5) Ch21-24 . 23+		SPC.S -		S165	TS2CC-28	23	165-3			HSSVMCB2	27	312200 P004	118	
024	SPIRE PSW (5) Ch21-24 . 23-		SPC.S -		S165	TS2CC-28	23	165-3			HSSVMCB2	27	312200 P004	119	
040	SPIRE PSW (5) Ch21-24 . SHD23		SPC.S -		S165	TS2CC-28	23	165-3	CS-S165-3		HSSVMCB2	27	312200 P004	128	
-															
008	SPIRE PSW (5) Ch21-24 . 24+		SPC.S -		S165	TS2CC-28	24	165-4			HSSVMCB2	27	312200 P004	112	
025	SPIRE PSW (5) Ch21-24 . 24-		SPC.S -		S165	TS2CC-28	24	165-4			HSSVMCB2	27	312200 P004	120	
041	SPIRE PSW (5) Ch21-24 . SHD24		SPC.S -		S165	TS2CC-28	24	165-4	CS-S165-4		HSSVMCB2	27	312200 P004	128	
-															
026	SPIRE PSW (6) Ch25-28 . 25+		SPC.S -		S167	TS2CC-28	25	167-1			HSSVMCB2	27	312200 P004	090	
010	SPIRE PSW (6) Ch25-28 . 25-		SPC.S -		S167	TS2CC-28	25	167-1			HSSVMCB2	27	312200 P004	079	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P012

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (6) Ch25-28 . SHD25		SPC.S -		S167	TS2CC-28	25	167-1		CS-S167-1	HSSVMCB2	27	312200 P004	128	
-															
027	SPIRE PSW (6) Ch25-28 . 26+		SPC.S -		S167	TS2CC-28	26	167-2			HSSVMCB2	27	312200 P004	102	
011	SPIRE PSW (6) Ch25-28 . 26-		SPC.S -		S167	TS2CC-28	26	167-2			HSSVMCB2	27	312200 P004	101	
044	SPIRE PSW (6) Ch25-28 . SHD26		SPC.S -		S167	TS2CC-28	26	167-2		CS-S167-2	HSSVMCB2	27	312200 P004	128	
-															
028	SPIRE PSW (6) Ch25-28 . 27+		SPC.S -		S167	TS2CC-28	27	167-3			HSSVMCB2	27	312200 P004	092	
012	SPIRE PSW (6) Ch25-28 . 27-		SPC.S -		S167	TS2CC-28	27	167-3			HSSVMCB2	27	312200 P004	091	
045	SPIRE PSW (6) Ch25-28 . SHD27		SPC.S -		S167	TS2CC-28	27	167-3		CS-S167-3	HSSVMCB2	27	312200 P004	128	
-															
029	SPIRE PSW (6) Ch25-28 . 28+		SPC.S -		S167	TS2CC-28	28	167-4			HSSVMCB2	27	312200 P004	103	
013	SPIRE PSW (6) Ch25-28 . 28-		SPC.S -		S167	TS2CC-28	28	167-4			HSSVMCB2	27	312200 P004	113	
046	SPIRE PSW (6) Ch25-28 . SHD28		SPC.S -		S167	TS2CC-28	28	167-4		CS-S167-4	HSSVMCB2	27	312200 P004	128	
-															
030	SPIRE PSW (6) Ch29-32 . 29+		SPC.S -		S168	TS2CC-28	29	168-1			HSSVMCB2	27	312200 P004	058	
014	SPIRE PSW (6) Ch29-32 . 29-		SPC.S -		S168	TS2CC-28	29	168-1			HSSVMCB2	27	312200 P004	046	
047	SPIRE PSW (6) Ch29-32 . SHD29		SPC.S -		S168	TS2CC-28	29	168-1		CS-S168-1	HSSVMCB2	27	312200 P004	128	
-															
031	SPIRE PSW (6) Ch29-32 . 30+		SPC.S -		S168	TS2CC-28	30	168-2			HSSVMCB2	27	312200 P004	068	
015	SPIRE PSW (6) Ch29-32 . 30-		SPC.S -		S168	TS2CC-28	30	168-2			HSSVMCB2	27	312200 P004	057	
048	SPIRE PSW (6) Ch29-32 . SHD30		SPC.S -		S168	TS2CC-28	30	168-2		CS-S168-2	HSSVMCB2	27	312200 P004	128	
-															
032	SPIRE PSW (6) Ch29-32 . 31+		SPC.S -		S168	TS2CC-28	31	168-3			HSSVMCB2	27	312200 P004	069	
016	SPIRE PSW (6) Ch29-32 . 31-		SPC.S -		S168	TS2CC-28	31	168-3			HSSVMCB2	27	312200 P004	080	
049	SPIRE PSW (6) Ch29-32 . SHD31		SPC.S -		S168	TS2CC-28	31	168-3		CS-S168-3	HSSVMCB2	27	312200 P004	128	
-															
033	SPIRE PSW (6) Ch29-32 . 32+		SPC.S -		S168	TS2CC-28	32	168-4			HSSVMCB2	27	312200 P004	070	
017	SPIRE PSW (6) Ch29-32 . 32-		SPC.S -		S168	TS2CC-28	32	168-4			HSSVMCB2	27	312200 P004	081	
050	SPIRE PSW (6) Ch29-32 . SHD32		SPC.S -		S168	TS2CC-28	32	168-4		CS-S168-4	HSSVMCB2	27	312200 P004	128	
-															
009	SPIRE PLW B07 GND WIRE A2		SPX.S -		S472	T01C0-26					HSSVMCB2	27	312200 P004	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P012
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P011

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW (5) Ch01-04 . 1+		SPC.S -		S158	TS2CC-28	1	158-1			HSSVMCB2	27	312200 P004	026	
018	SPIRE PSW (5) Ch01-04 . 1-		SPC.S -		S158	TS2CC-28	1	158-1			HSSVMCB2	27	312200 P004	037	
034	SPIRE PSW (5) Ch01-04 . SHD01		SPC.S -		S158	TS2CC-28	1	158-1	CS-S158-1		HSSVMCB2	27	312200 P004	036	
-															
002	SPIRE PSW (5) Ch01-04 . 2+		SPC.S -		S158	TS2CC-28	2	158-2			HSSVMCB2	27	312200 P004	038	
019	SPIRE PSW (5) Ch01-04 . 2-		SPC.S -		S158	TS2CC-28	2	158-2			HSSVMCB2	27	312200 P004	049	
035	SPIRE PSW (5) Ch01-04 . SHD02		SPC.S -		S158	TS2CC-28	2	158-2	CS-S158-2		HSSVMCB2	27	312200 P004	036	
-															
003	SPIRE PSW (5) Ch01-04 . 3+		SPC.S -		S158	TS2CC-28	3	158-3			HSSVMCB2	27	312200 P004	048	
020	SPIRE PSW (5) Ch01-04 . 3-		SPC.S -		S158	TS2CC-28	3	158-3			HSSVMCB2	27	312200 P004	060	
036	SPIRE PSW (5) Ch01-04 . SHD03		SPC.S -		S158	TS2CC-28	3	158-3	CS-S158-3		HSSVMCB2	27	312200 P004	036	
-															
004	SPIRE PSW (5) Ch01-04 . 4+		SPC.S -		S158	TS2CC-28	4	158-4			HSSVMCB2	27	312200 P004	059	
021	SPIRE PSW (5) Ch01-04 . 4-		SPC.S -		S158	TS2CC-28	4	158-4			HSSVMCB2	27	312200 P004	071	
037	SPIRE PSW (5) Ch01-04 . SHD04		SPC.S -		S158	TS2CC-28	4	158-4	CS-S158-4		HSSVMCB2	27	312200 P004	036	
-															
005	SPIRE PSW (5) Ch05-08 . 5+		SPC.S -		S159	TS2CC-28	5	159-1			HSSVMCB2	27	312200 P004	050	
022	SPIRE PSW (5) Ch05-08 . 5-		SPC.S -		S159	TS2CC-28	5	159-1			HSSVMCB2	27	312200 P004	061	
038	SPIRE PSW (5) Ch05-08 . SHD05		SPC.S -		S159	TS2CC-28	5	159-1	CS-S159-1		HSSVMCB2	27	312200 P004	036	
-															
006	SPIRE PSW (5) Ch05-08 . 6+		SPC.S -		S159	TS2CC-28	6	159-2			HSSVMCB2	27	312200 P004	062	
023	SPIRE PSW (5) Ch05-08 . 6-		SPC.S -		S159	TS2CC-28	6	159-2			HSSVMCB2	27	312200 P004	051	
039	SPIRE PSW (5) Ch05-08 . SHD06		SPC.S -		S159	TS2CC-28	6	159-2	CS-S159-2		HSSVMCB2	27	312200 P004	036	
-															
007	SPIRE PSW (5) Ch05-08 . 7+		SPC.S -		S159	TS2CC-28	7	159-3			HSSVMCB2	27	312200 P004	063	
024	SPIRE PSW (5) Ch05-08 . 7-		SPC.S -		S159	TS2CC-28	7	159-3			HSSVMCB2	27	312200 P004	075	
040	SPIRE PSW (5) Ch05-08 . SHD07		SPC.S -		S159	TS2CC-28	7	159-3	CS-S159-3		HSSVMCB2	27	312200 P004	036	
-															
008	SPIRE PSW (5) Ch05-08 . 8+		SPC.S -		S159	TS2CC-28	8	159-4			HSSVMCB2	27	312200 P004	074	
025	SPIRE PSW (5) Ch05-08 . 8-		SPC.S -		S159	TS2CC-28	8	159-4			HSSVMCB2	27	312200 P004	073	
041	SPIRE PSW (5) Ch05-08 . SHD08		SPC.S -		S159	TS2CC-28	8	159-4	CS-S159-4		HSSVMCB2	27	312200 P004	036	
-															
026	SPIRE PSW (5) Ch09-12 . 9+		SPC.S -		S160	TS2CC-28	9	160-1			HSSVMCB2	27	312200 P004	083	
010	SPIRE PSW (5) Ch09-12 . 9-		SPC.S -		S160	TS2CC-28	9	160-1			HSSVMCB2	27	312200 P004	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P011**Function / Bundle:** DCU JFP PSW SIH-XS-07**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (5) Ch09-12 . SHD09		SPC.S -		S160	TS2CC-28	9	160-1		CS-S160-1	HSSVMCB2	27	312200 P004	036	
-															
027	SPIRE PSW (5) Ch09-12 . 10+		SPC.S -		S160	TS2CC-28	10	160-2			HSSVMCB2	27	312200 P004	095	
011	SPIRE PSW (5) Ch09-12 . 10-		SPC.S -		S160	TS2CC-28	10	160-2			HSSVMCB2	27	312200 P004	084	
044	SPIRE PSW (5) Ch09-12 . SHD10		SPC.S -		S160	TS2CC-28	10	160-2		CS-S160-2	HSSVMCB2	27	312200 P004	036	
-															
028	SPIRE PSW (5) Ch09-12 . 11+		SPC.S -		S160	TS2CC-28	11	160-3			HSSVMCB2	27	312200 P004	096	
012	SPIRE PSW (5) Ch09-12 . 11-		SPC.S -		S160	TS2CC-28	11	160-3			HSSVMCB2	27	312200 P004	085	
045	SPIRE PSW (5) Ch09-12 . SHD11		SPC.S -		S160	TS2CC-28	11	160-3		CS-S160-3	HSSVMCB2	27	312200 P004	036	
-															
029	SPIRE PSW (5) Ch09-12 . 12+		SPC.S -		S160	TS2CC-28	12	160-4			HSSVMCB2	27	312200 P004	106	
013	SPIRE PSW (5) Ch09-12 . 12-		SPC.S -		S160	TS2CC-28	12	160-4			HSSVMCB2	27	312200 P004	107	
046	SPIRE PSW (5) Ch09-12 . SHD12		SPC.S -		S160	TS2CC-28	12	160-4		CS-S160-4	HSSVMCB2	27	312200 P004	036	
-															
030	SPIRE PSW (5) Ch13-16 . 13+		SPC.S -		S163	TS2CC-28	13	163-1			HSSVMCB2	27	312200 P004	086	
014	SPIRE PSW (5) Ch13-16 . 13-		SPC.S -		S163	TS2CC-28	13	163-1			HSSVMCB2	27	312200 P004	087	
047	SPIRE PSW (5) Ch13-16 . SHD13		SPC.S -		S163	TS2CC-28	13	163-1		CS-S163-1	HSSVMCB2	27	312200 P004	036	
-															
031	SPIRE PSW (5) Ch13-16 . 14+		SPC.S -		S163	TS2CC-28	14	163-2			HSSVMCB2	27	312200 P004	097	
015	SPIRE PSW (5) Ch13-16 . 14-		SPC.S -		S163	TS2CC-28	14	163-2			HSSVMCB2	27	312200 P004	098	
048	SPIRE PSW (5) Ch13-16 . SHD14		SPC.S -		S163	TS2CC-28	14	163-2		CS-S163-2	HSSVMCB2	27	312200 P004	036	
-															
032	SPIRE PSW (5) Ch13-16 . 15+		SPC.S -		S163	TS2CC-28	15	163-3			HSSVMCB2	27	312200 P004	108	
016	SPIRE PSW (5) Ch13-16 . 15-		SPC.S -		S163	TS2CC-28	15	163-3			HSSVMCB2	27	312200 P004	109	
049	SPIRE PSW (5) Ch13-16 . SHD15		SPC.S -		S163	TS2CC-28	15	163-3		CS-S163-3	HSSVMCB2	27	312200 P004	036	
-															
033	SPIRE PSW (5) Ch13-16 . 16+		SPC.S -		S163	TS2CC-28	16	163-4			HSSVMCB2	27	312200 P004	116	
017	SPIRE PSW (5) Ch13-16 . 16-		SPC.S -		S163	TS2CC-28	16	163-4			HSSVMCB2	27	312200 P004	117	
050	SPIRE PSW (5) Ch13-16 . SHD16		SPC.S -		S163	TS2CC-28	16	163-4		CS-S163-4	HSSVMCB2	27	312200 P004	036	
-															
009	SPIRE PLW B07 GND WIRE A1		SPX.S -		S471	T01C0-26					HSSVMCB2	27	312200 P004	036	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P011
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-07

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW (3) Ch01-04 . 1+		SPC.S -		S140	TS2CC-28	1	140-1			HSDCU	17	122300 P008	001	
037	SPIRE PSW (3) Ch01-04 . 1-		SPC.S -		S140	TS2CC-28	1	140-1			HSDCU	17	122300 P008	018	
036	SPIRE PSW (3) Ch01-04 . SHD01		SPC.S -		S140	TS2CC-28	1	140-1	CS-S140-1		HSDCU	17	122300 P008	034	
-															
038	SPIRE PSW (3) Ch01-04 . 2+		SPC.S -		S140	TS2CC-28	2	140-2			HSDCU	17	122300 P008	002	
049	SPIRE PSW (3) Ch01-04 . 2-		SPC.S -		S140	TS2CC-28	2	140-2			HSDCU	17	122300 P008	019	
036	SPIRE PSW (3) Ch01-04 . SHD02		SPC.S -		S140	TS2CC-28	2	140-2	CS-S140-2		HSDCU	17	122300 P008	035	
-															
048	SPIRE PSW (3) Ch01-04 . 3+		SPC.S -		S140	TS2CC-28	3	140-3			HSDCU	17	122300 P008	003	
060	SPIRE PSW (3) Ch01-04 . 3-		SPC.S -		S140	TS2CC-28	3	140-3			HSDCU	17	122300 P008	020	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.S -		S140	TS2CC-28	3	140-3	CS-S140-3		HSDCU	17	122300 P008	036	
-															
059	SPIRE PSW (3) Ch01-04 . 4+		SPC.S -		S140	TS2CC-28	4	140-4			HSDCU	17	122300 P008	004	
071	SPIRE PSW (3) Ch01-04 . 4-		SPC.S -		S140	TS2CC-28	4	140-4			HSDCU	17	122300 P008	021	
036	SPIRE PSW (3) Ch01-04 . SHD04		SPC.S -		S140	TS2CC-28	4	140-4	CS-S140-4		HSDCU	17	122300 P008	037	
-															
050	SPIRE PSW (3) Ch05-08 . 5+		SPC.S -		S141	TS2CC-28	5	141-1			HSDCU	17	122300 P008	005	
061	SPIRE PSW (3) Ch05-08 . 5-		SPC.S -		S141	TS2CC-28	5	141-1			HSDCU	17	122300 P008	022	
036	SPIRE PSW (3) Ch05-08 . SHD05		SPC.S -		S141	TS2CC-28	5	141-1	CS-S141-1		HSDCU	17	122300 P008	038	
-															
062	SPIRE PSW (3) Ch05-08 . 6+		SPC.S -		S141	TS2CC-28	6	141-2			HSDCU	17	122300 P008	006	
051	SPIRE PSW (3) Ch05-08 . 6-		SPC.S -		S141	TS2CC-28	6	141-2			HSDCU	17	122300 P008	023	
036	SPIRE PSW (3) Ch05-08 . SHD06		SPC.S -		S141	TS2CC-28	6	141-2	CS-S141-2		HSDCU	17	122300 P008	039	
-															
063	SPIRE PSW (3) Ch05-08 . 7+		SPC.S -		S141	TS2CC-28	7	141-3			HSDCU	17	122300 P008	007	
075	SPIRE PSW (3) Ch05-08 . 7-		SPC.S -		S141	TS2CC-28	7	141-3			HSDCU	17	122300 P008	024	
036	SPIRE PSW (3) Ch05-08 . SHD07		SPC.S -		S141	TS2CC-28	7	141-3	CS-S141-3		HSDCU	17	122300 P008	040	
-															
074	SPIRE PSW (3) Ch05-08 . 8+		SPC.S -		S141	TS2CC-28	8	141-4			HSDCU	17	122300 P008	008	
073	SPIRE PSW (3) Ch05-08 . 8-		SPC.S -		S141	TS2CC-28	8	141-4			HSDCU	17	122300 P008	025	
036	SPIRE PSW (3) Ch05-08 . SHD08		SPC.S -		S141	TS2CC-28	8	141-4	CS-S141-4		HSDCU	17	122300 P008	041	
-															
-															
083	SPIRE PSW (3) Ch09-12 . 9+		SPC.S -		S142	TS2CC-28	9	142-1			HSDCU	17	122300 P008	026	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
072	SPIRE PSW (3) Ch09-12 . 9-		SPC.S -		S142	TS2CC-28	9	142-1			HSDCU	17	122300 P008	010	
036	SPIRE PSW (3) Ch09-12 . SHD09		SPC.S -		S142	TS2CC-28	9	142-1	CS-S142-1		HSDCU	17	122300 P008	043	
-															
095	SPIRE PSW (3) Ch09-12 . 10+		SPC.S -		S142	TS2CC-28	10	142-2			HSDCU	17	122300 P008	027	
084	SPIRE PSW (3) Ch09-12 . 10-		SPC.S -		S142	TS2CC-28	10	142-2			HSDCU	17	122300 P008	011	
036	SPIRE PSW (3) Ch09-12 . SHD10		SPC.S -		S142	TS2CC-28	10	142-2	CS-S142-2		HSDCU	17	122300 P008	044	
-															
096	SPIRE PSW (3) Ch09-12 . 11+		SPC.S -		S142	TS2CC-28	11	142-3			HSDCU	17	122300 P008	028	
085	SPIRE PSW (3) Ch09-12 . 11-		SPC.S -		S142	TS2CC-28	11	142-3			HSDCU	17	122300 P008	012	
036	SPIRE PSW (3) Ch09-12 . SHD11		SPC.S -		S142	TS2CC-28	11	142-3	CS-S142-3		HSDCU	17	122300 P008	045	
-															
106	SPIRE PSW (3) Ch09-12 . 12+		SPC.S -		S142	TS2CC-28	12	142-4			HSDCU	17	122300 P008	029	
107	SPIRE PSW (3) Ch09-12 . 12-		SPC.S -		S142	TS2CC-28	12	142-4			HSDCU	17	122300 P008	013	
036	SPIRE PSW (3) Ch09-12 . SHD12		SPC.S -		S142	TS2CC-28	12	142-4	CS-S142-4		HSDCU	17	122300 P008	046	
-															
086	SPIRE PSW (3) Ch13-16 . 13+		SPC.S -		S145	TS2CC-28	13	145-1			HSDCU	17	122300 P008	030	
087	SPIRE PSW (3) Ch13-16 . 13-		SPC.S -		S145	TS2CC-28	13	145-1			HSDCU	17	122300 P008	014	
036	SPIRE PSW (3) Ch13-16 . SHD13		SPC.S -		S145	TS2CC-28	13	145-1	CS-S145-1		HSDCU	17	122300 P008	047	
-															
097	SPIRE PSW (3) Ch13-16 . 14+		SPC.S -		S145	TS2CC-28	14	145-2			HSDCU	17	122300 P008	031	
098	SPIRE PSW (3) Ch13-16 . 14-		SPC.S -		S145	TS2CC-28	14	145-2			HSDCU	17	122300 P008	015	
036	SPIRE PSW (3) Ch13-16 . SHD14		SPC.S -		S145	TS2CC-28	14	145-2	CS-S145-2		HSDCU	17	122300 P008	048	
-															
108	SPIRE PSW (3) Ch13-16 . 15+		SPC.S -		S145	TS2CC-28	15	145-3			HSDCU	17	122300 P008	032	
109	SPIRE PSW (3) Ch13-16 . 15-		SPC.S -		S145	TS2CC-28	15	145-3			HSDCU	17	122300 P008	016	
036	SPIRE PSW (3) Ch13-16 . SHD15		SPC.S -		S145	TS2CC-28	15	145-3	CS-S145-3		HSDCU	17	122300 P008	049	
-															
116	SPIRE PSW (3) Ch13-16 . 16+		SPC.S -		S145	TS2CC-28	16	145-4			HSDCU	17	122300 P008	033	
117	SPIRE PSW (3) Ch13-16 . 16-		SPC.S -		S145	TS2CC-28	16	145-4			HSDCU	17	122300 P008	017	
036	SPIRE PSW (3) Ch13-16 . SHD16		SPC.S -		S145	TS2CC-28	16	145-4	CS-S145-4		HSDCU	17	122300 P008	050	
-															
036	SPIRE PLW B08 GND WIRE A1		SPX.S -		S481	T01C0-26					HSDCU	17	122300 P008	009	
-															
055	SPIRE PSW (3) Ch17-20 . 17+		SPC.S -		S146	TS2CC-28	17	146-1			HSDCU	17	122300 P009	001	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
066	SPIRE PSW (3) Ch17-20 . 17-		SPC.S -		S146	TS2CC-28	17	146-1			HSDCU	17	122300 P009	018	
128	SPIRE PSW (3) Ch17-20 . SHD17		SPC.S -		S146	TS2CC-28	17	146-1	CS-S146-1		HSDCU	17	122300 P009	034	
-															
067	SPIRE PSW (3) Ch17-20 . 18+		SPC.S -		S146	TS2CC-28	18	146-2			HSDCU	17	122300 P009	002	
078	SPIRE PSW (3) Ch17-20 . 18-		SPC.S -		S146	TS2CC-28	18	146-2			HSDCU	17	122300 P009	019	
128	SPIRE PSW (3) Ch17-20 . SHD18		SPC.S -		S146	TS2CC-28	18	146-2	CS-S146-2		HSDCU	17	122300 P009	035	
-															
076	SPIRE PSW (3) Ch17-20 . 19+		SPC.S -		S146	TS2CC-28	19	146-3			HSDCU	17	122300 P009	003	
077	SPIRE PSW (3) Ch17-20 . 19-		SPC.S -		S146	TS2CC-28	19	146-3			HSDCU	17	122300 P009	020	
128	SPIRE PSW (3) Ch17-20 . SHD19		SPC.S -		S146	TS2CC-28	19	146-3	CS-S146-3		HSDCU	17	122300 P009	036	
-															
088	SPIRE PSW (3) Ch17-20 . 20+		SPC.S -		S146	TS2CC-28	20	146-4			HSDCU	17	122300 P009	004	
089	SPIRE PSW (3) Ch17-20 . 20-		SPC.S -		S146	TS2CC-28	20	146-4			HSDCU	17	122300 P009	021	
128	SPIRE PSW (3) Ch17-20 . SHD20		SPC.S -		S146	TS2CC-28	20	146-4	CS-S146-4		HSDCU	17	122300 P009	037	
-															
099	SPIRE PSW (3) Ch21-24 . 21+		SPC.S -		S147	TS2CC-28	21	147-1			HSDCU	17	122300 P009	005	
100	SPIRE PSW (3) Ch21-24 . 21-		SPC.S -		S147	TS2CC-28	21	147-1			HSDCU	17	122300 P009	022	
128	SPIRE PSW (3) Ch21-24 . SHD21		SPC.S -		S147	TS2CC-28	21	147-1	CS-S147-1		HSDCU	17	122300 P009	038	
-															
110	SPIRE PSW (3) Ch21-24 . 22+		SPC.S -		S147	TS2CC-28	22	147-2			HSDCU	17	122300 P009	006	
111	SPIRE PSW (3) Ch21-24 . 22-		SPC.S -		S147	TS2CC-28	22	147-2			HSDCU	17	122300 P009	023	
128	SPIRE PSW (3) Ch21-24 . SHD22		SPC.S -		S147	TS2CC-28	22	147-2	CS-S147-2		HSDCU	17	122300 P009	039	
-															
118	SPIRE PSW (3) Ch21-24 . 23+		SPC.S -		S147	TS2CC-28	23	147-3			HSDCU	17	122300 P009	007	
119	SPIRE PSW (3) Ch21-24 . 23-		SPC.S -		S147	TS2CC-28	23	147-3			HSDCU	17	122300 P009	024	
128	SPIRE PSW (3) Ch21-24 . SHD23		SPC.S -		S147	TS2CC-28	23	147-3	CS-S147-3		HSDCU	17	122300 P009	040	
-															
112	SPIRE PSW (3) Ch21-24 . 24+		SPC.S -		S147	TS2CC-28	24	147-4			HSDCU	17	122300 P009	008	
120	SPIRE PSW (3) Ch21-24 . 24-		SPC.S -		S147	TS2CC-28	24	147-4			HSDCU	17	122300 P009	025	
128	SPIRE PSW (3) Ch21-24 . SHD24		SPC.S -		S147	TS2CC-28	24	147-4	CS-S147-4		HSDCU	17	122300 P009	041	
-															
090	SPIRE PSW (4) Ch25-28 . 25+		SPC.S -		S149	TS2CC-28	25	149-1			HSDCU	17	122300 P009	026	
079	SPIRE PSW (4) Ch25-28 . 25-		SPC.S -		S149	TS2CC-28	25	149-1			HSDCU	17	122300 P009	010	
128	SPIRE PSW (4) Ch25-28 . SHD25		SPC.S -		S149	TS2CC-28	25	149-1	CS-S149-1		HSDCU	17	122300 P009	043	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
102	SPIRE PSW (4) Ch25-28 . 26+		SPC.S -		S149	TS2CC-28	26	149-2			HSDCU	17	122300 P009	027	
101	SPIRE PSW (4) Ch25-28 . 26-		SPC.S -		S149	TS2CC-28	26	149-2			HSDCU	17	122300 P009	011	
128	SPIRE PSW (4) Ch25-28 . SHD26		SPC.S -		S149	TS2CC-28	26	149-2	CS-S149-2		HSDCU	17	122300 P009	044	
-															
092	SPIRE PSW (4) Ch25-28 . 27+		SPC.S -		S149	TS2CC-28	27	149-3			HSDCU	17	122300 P009	028	
091	SPIRE PSW (4) Ch25-28 . 27-		SPC.S -		S149	TS2CC-28	27	149-3			HSDCU	17	122300 P009	012	
128	SPIRE PSW (4) Ch25-28 . SHD27		SPC.S -		S149	TS2CC-28	27	149-3	CS-S149-3		HSDCU	17	122300 P009	045	
-															
103	SPIRE PSW (4) Ch25-28 . 28+		SPC.S -		S149	TS2CC-28	28	149-4			HSDCU	17	122300 P009	029	
113	SPIRE PSW (4) Ch25-28 . 28-		SPC.S -		S149	TS2CC-28	28	149-4			HSDCU	17	122300 P009	013	
128	SPIRE PSW (4) Ch25-28 . SHD28		SPC.S -		S149	TS2CC-28	28	149-4	CS-S149-4		HSDCU	17	122300 P009	046	
-															
058	SPIRE PSW (4) Ch29-32 . 29+		SPC.S -		S150	TS2CC-28	29	150-1			HSDCU	17	122300 P009	030	
046	SPIRE PSW (4) Ch29-32 . 29-		SPC.S -		S150	TS2CC-28	29	150-1			HSDCU	17	122300 P009	014	
128	SPIRE PSW (4) Ch29-32 . SHD29		SPC.S -		S150	TS2CC-28	29	150-1	CS-S150-1		HSDCU	17	122300 P009	047	
-															
068	SPIRE PSW (4) Ch29-32 . 30+		SPC.S -		S150	TS2CC-28	30	150-2			HSDCU	17	122300 P009	031	
057	SPIRE PSW (4) Ch29-32 . 30-		SPC.S -		S150	TS2CC-28	30	150-2			HSDCU	17	122300 P009	015	
128	SPIRE PSW (4) Ch29-32 . SHD30		SPC.S -		S150	TS2CC-28	30	150-2	CS-S150-2		HSDCU	17	122300 P009	048	
-															
069	SPIRE PSW (4) Ch29-32 . 31+		SPC.S -		S150	TS2CC-28	31	150-3			HSDCU	17	122300 P009	032	
080	SPIRE PSW (4) Ch29-32 . 31-		SPC.S -		S150	TS2CC-28	31	150-3			HSDCU	17	122300 P009	016	
128	SPIRE PSW (4) Ch29-32 . SHD31		SPC.S -		S150	TS2CC-28	31	150-3	CS-S150-3		HSDCU	17	122300 P009	049	
-															
070	SPIRE PSW (4) Ch29-32 . 32+		SPC.S -		S150	TS2CC-28	32	150-4			HSDCU	17	122300 P009	033	
081	SPIRE PSW (4) Ch29-32 . 32-		SPC.S -		S150	TS2CC-28	32	150-4			HSDCU	17	122300 P009	017	
128	SPIRE PSW (4) Ch29-32 . SHD32		SPC.S -		S150	TS2CC-28	32	150-4	CS-S150-4		HSDCU	17	122300 P009	050	
-															
128	SPIRE PLW B08 GND WIRE A2		SPX.S -		S482	T01C0-26					HSDCU	17	122300 P009	009	
-															
023	SPIRE PSW (4) Ch33-36 . 33+		SPC.S -		S151	TS2CC-28	33	151-1			HSDCU	17	122300 P010	001	
034	SPIRE PSW (4) Ch33-36 . 33-		SPC.S -		S151	TS2CC-28	33	151-1			HSDCU	17	122300 P010	018	
004	SPIRE PSW (4) Ch33-36 . SHD33		SPC.S -		S151	TS2CC-28	33	151-1	CS-S151-1		HSDCU	17	122300 P010	034	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
033	SPIRE PSW (4) Ch33-36 . 34+		SPC.S -		S151	TS2CC-28	34	151-2			HSDCU	17	122300 P010	002	
045	SPIRE PSW (4) Ch33-36 . 34-		SPC.S -		S151	TS2CC-28	34	151-2			HSDCU	17	122300 P010	019	
004	SPIRE PSW (4) Ch33-36 . SHD34		SPC.S -		S151	TS2CC-28	34	151-2	CS-S151-2		HSDCU	17	122300 P010	035	
-															
044	SPIRE PSW (4) Ch33-36 . 35+		SPC.S -		S151	TS2CC-28	35	151-3			HSDCU	17	122300 P010	003	
056	SPIRE PSW (4) Ch33-36 . 35-		SPC.S -		S151	TS2CC-28	35	151-3			HSDCU	17	122300 P010	020	
004	SPIRE PSW (4) Ch33-36 . SHD35		SPC.S -		S151	TS2CC-28	35	151-3	CS-S151-3		HSDCU	17	122300 P010	036	
-															
022	SPIRE PSW (4) Ch33-36 . 36+		SPC.S -		S151	TS2CC-28	36	151-4			HSDCU	17	122300 P010	004	
032	SPIRE PSW (4) Ch33-36 . 36-		SPC.S -		S151	TS2CC-28	36	151-4			HSDCU	17	122300 P010	021	
004	SPIRE PSW (4) Ch33-36 . SHD36		SPC.S -		S151	TS2CC-28	36	151-4	CS-S151-4		HSDCU	17	122300 P010	037	
-															
013	SPIRE PSW (4) Ch37-40 . 37+		SPC.S -		S154	TS2CC-28	37	154-1			HSDCU	17	122300 P010	005	
012	SPIRE PSW (4) Ch37-40 . 37-		SPC.S -		S154	TS2CC-28	37	154-1			HSDCU	17	122300 P010	022	
004	SPIRE PSW (4) Ch37-40 . SHD37		SPC.S -		S154	TS2CC-28	37	154-1	CS-S154-1		HSDCU	17	122300 P010	038	
-															
021	SPIRE PSW (4) Ch37-40 . 38+		SPC.S -		S154	TS2CC-28	38	154-2			HSDCU	17	122300 P010	006	
020	SPIRE PSW (4) Ch37-40 . 38-		SPC.S -		S154	TS2CC-28	38	154-2			HSDCU	17	122300 P010	023	
004	SPIRE PSW (4) Ch37-40 . SHD38		SPC.S -		S154	TS2CC-28	38	154-2	CS-S154-2		HSDCU	17	122300 P010	039	
-															
031	SPIRE PSW (4) Ch37-40 . 39+		SPC.S -		S154	TS2CC-28	39	154-3			HSDCU	17	122300 P010	007	
043	SPIRE PSW (4) Ch37-40 . 39-		SPC.S -		S154	TS2CC-28	39	154-3			HSDCU	17	122300 P010	024	
004	SPIRE PSW (4) Ch37-40 . SHD39		SPC.S -		S154	TS2CC-28	39	154-3	CS-S154-3		HSDCU	17	122300 P010	040	
-															
042	SPIRE PSW (4) Ch37-40 . 40+		SPC.S -		S154	TS2CC-28	40	154-4			HSDCU	17	122300 P010	008	
054	SPIRE PSW (4) Ch37-40 . 40-		SPC.S -		S154	TS2CC-28	40	154-4			HSDCU	17	122300 P010	025	
004	SPIRE PSW (4) Ch37-40 . SHD40		SPC.S -		S154	TS2CC-28	40	154-4	CS-S154-4		HSDCU	17	122300 P010	041	
-															
010	SPIRE PSW (4) Ch41-44 . 41+		SPC.S -		S155	TS2CC-28	41	155-1			HSDCU	17	122300 P010	026	
011	SPIRE PSW (4) Ch41-44 . 41-		SPC.S -		S155	TS2CC-28	41	155-1			HSDCU	17	122300 P010	010	
004	SPIRE PSW (4) Ch41-44 . SHD41		SPC.S -		S155	TS2CC-28	41	155-1	CS-S155-1		HSDCU	17	122300 P010	043	
-															
019	SPIRE PSW (4) Ch41-44 . 42+		SPC.S -		S155	TS2CC-28	42	155-2			HSDCU	17	122300 P010	027	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
029	SPIRE PSW (4) Ch41-44 . 42-		SPC.S -		S155	TS2CC-28	42	155-2			HSDCU	17	122300 P010	011	
004	SPIRE PSW (4) Ch41-44 . SHD42		SPC.S -		S155	TS2CC-28	42	155-2	CS-S155-2		HSDCU	17	122300 P010	044	
-															
041	SPIRE PSW (4) Ch41-44 . 43+		SPC.S -		S155	TS2CC-28	43	155-3			HSDCU	17	122300 P010	028	
030	SPIRE PSW (4) Ch41-44 . 43-		SPC.S -		S155	TS2CC-28	43	155-3			HSDCU	17	122300 P010	012	
004	SPIRE PSW (4) Ch41-44 . SHD43		SPC.S -		S155	TS2CC-28	43	155-3	CS-S155-3		HSDCU	17	122300 P010	045	
-															
053	SPIRE PSW (4) Ch41-44 . 44+		SPC.S -		S155	TS2CC-28	44	155-4			HSDCU	17	122300 P010	029	
052	SPIRE PSW (4) Ch41-44 . 44-		SPC.S -		S155	TS2CC-28	44	155-4			HSDCU	17	122300 P010	013	
004	SPIRE PSW (4) Ch41-44 . SHD44		SPC.S -		S155	TS2CC-28	44	155-4	CS-S155-4		HSDCU	17	122300 P010	046	
-															
009	SPIRE PSW (4) Ch45-48 . 45+		SPC.S -		S156	TS2CC-28	45	156-1			HSDCU	17	122300 P010	030	
017	SPIRE PSW (4) Ch45-48 . 45-		SPC.S -		S156	TS2CC-28	45	156-1			HSDCU	17	122300 P010	014	
004	SPIRE PSW (4) Ch45-48 . SHD45		SPC.S -		S156	TS2CC-28	45	156-1	CS-S156-1		HSDCU	17	122300 P010	047	
-															
018	SPIRE PSW (4) Ch45-48 . 46+		SPC.S -		S156	TS2CC-28	46	156-2			HSDCU	17	122300 P010	031	
028	SPIRE PSW (4) Ch45-48 . 46-		SPC.S -		S156	TS2CC-28	46	156-2			HSDCU	17	122300 P010	015	
004	SPIRE PSW (4) Ch45-48 . SHD46		SPC.S -		S156	TS2CC-28	46	156-2	CS-S156-2		HSDCU	17	122300 P010	048	
-															
016	SPIRE PSW (4) Ch45-48 . 47+		SPC.S -		S156	TS2CC-28	47	156-3			HSDCU	17	122300 P010	032	
027	SPIRE PSW (4) Ch45-48 . 47-		SPC.S -		S156	TS2CC-28	47	156-3			HSDCU	17	122300 P010	016	
004	SPIRE PSW (4) Ch45-48 . SHD47		SPC.S -		S156	TS2CC-28	47	156-3	CS-S156-3		HSDCU	17	122300 P010	049	
-															
040	SPIRE PSW (4) Ch45-48 . 48+		SPC.S -		S156	TS2CC-28	48	156-4			HSDCU	17	122300 P010	033	
039	SPIRE PSW (4) Ch45-48 . 48-		SPC.S -		S156	TS2CC-28	48	156-4			HSDCU	17	122300 P010	017	
004	SPIRE PSW (4) Ch45-48 . SHD48		SPC.S -		S156	TS2CC-28	48	156-4	CS-S156-4		HSDCU	17	122300 P010	050	
-															
004	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30					HSDCU	17	122300 P010	009	
-															
047	Shield Interconnection Star Pin								Star Pin for Shield Intercon						
036	to be con to pin 047														
128	to be con to pin 047														
004	to be con to pin 047														
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P001**Function / Bundle:** SPIRE SVM CB2 SIH-XS-08**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB2**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
005	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
024	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
-	2 pins are NC									The following Pins are NC :					

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 519 (of 599)

Connector: 312200 P001
Item: HSSVMCB2

Function / Bundle: SPIRE SVM CB2 SIH-XS-08

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	-									;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P010**Function / Bundle:** DCU JFP PSW SIH-XS-08**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
001	SPIRE PSW (4) Ch33-36 . 33+		SPC.S -		S151	TS2CC-28	33	151-1		HSSVMCB2	27	312200 P001	023	
018	SPIRE PSW (4) Ch33-36 . 33-		SPC.S -		S151	TS2CC-28	33	151-1		HSSVMCB2	27	312200 P001	034	
034	SPIRE PSW (4) Ch33-36 . SHD33		SPC.S -		S151	TS2CC-28	33	151-1	CS-S151-1	HSSVMCB2	27	312200 P001	004	
-														
002	SPIRE PSW (4) Ch33-36 . 34+		SPC.S -		S151	TS2CC-28	34	151-2		HSSVMCB2	27	312200 P001	033	
019	SPIRE PSW (4) Ch33-36 . 34-		SPC.S -		S151	TS2CC-28	34	151-2		HSSVMCB2	27	312200 P001	045	
035	SPIRE PSW (4) Ch33-36 . SHD34		SPC.S -		S151	TS2CC-28	34	151-2	CS-S151-2	HSSVMCB2	27	312200 P001	004	
-														
003	SPIRE PSW (4) Ch33-36 . 35+		SPC.S -		S151	TS2CC-28	35	151-3		HSSVMCB2	27	312200 P001	044	
020	SPIRE PSW (4) Ch33-36 . 35-		SPC.S -		S151	TS2CC-28	35	151-3		HSSVMCB2	27	312200 P001	056	
036	SPIRE PSW (4) Ch33-36 . SHD35		SPC.S -		S151	TS2CC-28	35	151-3	CS-S151-3	HSSVMCB2	27	312200 P001	004	
-														
004	SPIRE PSW (4) Ch33-36 . 36+		SPC.S -		S151	TS2CC-28	36	151-4		HSSVMCB2	27	312200 P001	022	
021	SPIRE PSW (4) Ch33-36 . 36-		SPC.S -		S151	TS2CC-28	36	151-4		HSSVMCB2	27	312200 P001	032	
037	SPIRE PSW (4) Ch33-36 . SHD36		SPC.S -		S151	TS2CC-28	36	151-4	CS-S151-4	HSSVMCB2	27	312200 P001	004	
-														
005	SPIRE PSW (4) Ch37-40 . 37+		SPC.S -		S154	TS2CC-28	37	154-1		HSSVMCB2	27	312200 P001	013	
022	SPIRE PSW (4) Ch37-40 . 37-		SPC.S -		S154	TS2CC-28	37	154-1		HSSVMCB2	27	312200 P001	012	
038	SPIRE PSW (4) Ch37-40 . SHD37		SPC.S -		S154	TS2CC-28	37	154-1	CS-S154-1	HSSVMCB2	27	312200 P001	004	
-														
006	SPIRE PSW (4) Ch37-40 . 38+		SPC.S -		S154	TS2CC-28	38	154-2		HSSVMCB2	27	312200 P001	021	
023	SPIRE PSW (4) Ch37-40 . 38-		SPC.S -		S154	TS2CC-28	38	154-2		HSSVMCB2	27	312200 P001	020	
039	SPIRE PSW (4) Ch37-40 . SHD38		SPC.S -		S154	TS2CC-28	38	154-2	CS-S154-2	HSSVMCB2	27	312200 P001	004	
-														
007	SPIRE PSW (4) Ch37-40 . 39+		SPC.S -		S154	TS2CC-28	39	154-3		HSSVMCB2	27	312200 P001	031	
024	SPIRE PSW (4) Ch37-40 . 39-		SPC.S -		S154	TS2CC-28	39	154-3		HSSVMCB2	27	312200 P001	043	
040	SPIRE PSW (4) Ch37-40 . SHD39		SPC.S -		S154	TS2CC-28	39	154-3	CS-S154-3	HSSVMCB2	27	312200 P001	004	
-														
008	SPIRE PSW (4) Ch37-40 . 40+		SPC.S -		S154	TS2CC-28	40	154-4		HSSVMCB2	27	312200 P001	042	
025	SPIRE PSW (4) Ch37-40 . 40-		SPC.S -		S154	TS2CC-28	40	154-4		HSSVMCB2	27	312200 P001	054	
041	SPIRE PSW (4) Ch37-40 . SHD40		SPC.S -		S154	TS2CC-28	40	154-4	CS-S154-4	HSSVMCB2	27	312200 P001	004	
-														
026	SPIRE PSW (4) Ch41-44 . 41+		SPC.S -		S155	TS2CC-28	41	155-1		HSSVMCB2	27	312200 P001	010	
010	SPIRE PSW (4) Ch41-44 . 41-		SPC.S -		S155	TS2CC-28	41	155-1		HSSVMCB2	27	312200 P001	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P010

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (4) Ch41-44 . SHD41		SPC.S -		S155	TS2CC-28	41	155-1		CS-S155-1	HSSVMCB2	27	312200 P001	004	
-															
027	SPIRE PSW (4) Ch41-44 . 42+		SPC.S -		S155	TS2CC-28	42	155-2			HSSVMCB2	27	312200 P001	019	
011	SPIRE PSW (4) Ch41-44 . 42-		SPC.S -		S155	TS2CC-28	42	155-2			HSSVMCB2	27	312200 P001	029	
044	SPIRE PSW (4) Ch41-44 . SHD42		SPC.S -		S155	TS2CC-28	42	155-2		CS-S155-2	HSSVMCB2	27	312200 P001	004	
-															
028	SPIRE PSW (4) Ch41-44 . 43+		SPC.S -		S155	TS2CC-28	43	155-3			HSSVMCB2	27	312200 P001	041	
012	SPIRE PSW (4) Ch41-44 . 43-		SPC.S -		S155	TS2CC-28	43	155-3			HSSVMCB2	27	312200 P001	030	
045	SPIRE PSW (4) Ch41-44 . SHD43		SPC.S -		S155	TS2CC-28	43	155-3		CS-S155-3	HSSVMCB2	27	312200 P001	004	
-															
029	SPIRE PSW (4) Ch41-44 . 44+		SPC.S -		S155	TS2CC-28	44	155-4			HSSVMCB2	27	312200 P001	053	
013	SPIRE PSW (4) Ch41-44 . 44-		SPC.S -		S155	TS2CC-28	44	155-4			HSSVMCB2	27	312200 P001	052	
046	SPIRE PSW (4) Ch41-44 . SHD44		SPC.S -		S155	TS2CC-28	44	155-4		CS-S155-4	HSSVMCB2	27	312200 P001	004	
-															
030	SPIRE PSW (4) Ch45-48 . 45+		SPC.S -		S156	TS2CC-28	45	156-1			HSSVMCB2	27	312200 P001	009	
014	SPIRE PSW (4) Ch45-48 . 45-		SPC.S -		S156	TS2CC-28	45	156-1			HSSVMCB2	27	312200 P001	017	
047	SPIRE PSW (4) Ch45-48 . SHD45		SPC.S -		S156	TS2CC-28	45	156-1		CS-S156-1	HSSVMCB2	27	312200 P001	004	
-															
031	SPIRE PSW (4) Ch45-48 . 46+		SPC.S -		S156	TS2CC-28	46	156-2			HSSVMCB2	27	312200 P001	018	
015	SPIRE PSW (4) Ch45-48 . 46-		SPC.S -		S156	TS2CC-28	46	156-2			HSSVMCB2	27	312200 P001	028	
048	SPIRE PSW (4) Ch45-48 . SHD46		SPC.S -		S156	TS2CC-28	46	156-2		CS-S156-2	HSSVMCB2	27	312200 P001	004	
-															
032	SPIRE PSW (4) Ch45-48 . 47+		SPC.S -		S156	TS2CC-28	47	156-3			HSSVMCB2	27	312200 P001	016	
016	SPIRE PSW (4) Ch45-48 . 47-		SPC.S -		S156	TS2CC-28	47	156-3			HSSVMCB2	27	312200 P001	027	
049	SPIRE PSW (4) Ch45-48 . SHD47		SPC.S -		S156	TS2CC-28	47	156-3		CS-S156-3	HSSVMCB2	27	312200 P001	004	
-															
033	SPIRE PSW (4) Ch45-48 . 48+		SPC.S -		S156	TS2CC-28	48	156-4			HSSVMCB2	27	312200 P001	040	
017	SPIRE PSW (4) Ch45-48 . 48-		SPC.S -		S156	TS2CC-28	48	156-4			HSSVMCB2	27	312200 P001	039	
050	SPIRE PSW (4) Ch45-48 . SHD48		SPC.S -		S156	TS2CC-28	48	156-4		CS-S156-4	HSSVMCB2	27	312200 P001	004	
-															
009	SPIRE PLW B08 GND WIRE A4		SPX.- -		S484	010B0-30					HSSVMCB2	27	312200 P001	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P010
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P009**Function / Bundle:** DCU JFP PSW SIH-XS-08**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW (3) Ch17-20 . 17+		SPC.S -		S146	TS2CC-28	17	146-1			HSSVMCB2	27	312200 P001	055	
018	SPIRE PSW (3) Ch17-20 . 17-		SPC.S -		S146	TS2CC-28	17	146-1			HSSVMCB2	27	312200 P001	066	
034	SPIRE PSW (3) Ch17-20 . SHD17		SPC.S -		S146	TS2CC-28	17	146-1	CS-S146-1		HSSVMCB2	27	312200 P001	128	
-															
002	SPIRE PSW (3) Ch17-20 . 18+		SPC.S -		S146	TS2CC-28	18	146-2			HSSVMCB2	27	312200 P001	067	
019	SPIRE PSW (3) Ch17-20 . 18-		SPC.S -		S146	TS2CC-28	18	146-2			HSSVMCB2	27	312200 P001	078	
035	SPIRE PSW (3) Ch17-20 . SHD18		SPC.S -		S146	TS2CC-28	18	146-2	CS-S146-2		HSSVMCB2	27	312200 P001	128	
-															
003	SPIRE PSW (3) Ch17-20 . 19+		SPC.S -		S146	TS2CC-28	19	146-3			HSSVMCB2	27	312200 P001	076	
020	SPIRE PSW (3) Ch17-20 . 19-		SPC.S -		S146	TS2CC-28	19	146-3			HSSVMCB2	27	312200 P001	077	
036	SPIRE PSW (3) Ch17-20 . SHD19		SPC.S -		S146	TS2CC-28	19	146-3	CS-S146-3		HSSVMCB2	27	312200 P001	128	
-															
004	SPIRE PSW (3) Ch17-20 . 20+		SPC.S -		S146	TS2CC-28	20	146-4			HSSVMCB2	27	312200 P001	088	
021	SPIRE PSW (3) Ch17-20 . 20-		SPC.S -		S146	TS2CC-28	20	146-4			HSSVMCB2	27	312200 P001	089	
037	SPIRE PSW (3) Ch17-20 . SHD20		SPC.S -		S146	TS2CC-28	20	146-4	CS-S146-4		HSSVMCB2	27	312200 P001	128	
-															
005	SPIRE PSW (3) Ch21-24 . 21+		SPC.S -		S147	TS2CC-28	21	147-1			HSSVMCB2	27	312200 P001	099	
022	SPIRE PSW (3) Ch21-24 . 21-		SPC.S -		S147	TS2CC-28	21	147-1			HSSVMCB2	27	312200 P001	100	
038	SPIRE PSW (3) Ch21-24 . SHD21		SPC.S -		S147	TS2CC-28	21	147-1	CS-S147-1		HSSVMCB2	27	312200 P001	128	
-															
006	SPIRE PSW (3) Ch21-24 . 22+		SPC.S -		S147	TS2CC-28	22	147-2			HSSVMCB2	27	312200 P001	110	
023	SPIRE PSW (3) Ch21-24 . 22-		SPC.S -		S147	TS2CC-28	22	147-2			HSSVMCB2	27	312200 P001	111	
039	SPIRE PSW (3) Ch21-24 . SHD22		SPC.S -		S147	TS2CC-28	22	147-2	CS-S147-2		HSSVMCB2	27	312200 P001	128	
-															
007	SPIRE PSW (3) Ch21-24 . 23+		SPC.S -		S147	TS2CC-28	23	147-3			HSSVMCB2	27	312200 P001	118	
024	SPIRE PSW (3) Ch21-24 . 23-		SPC.S -		S147	TS2CC-28	23	147-3			HSSVMCB2	27	312200 P001	119	
040	SPIRE PSW (3) Ch21-24 . SHD23		SPC.S -		S147	TS2CC-28	23	147-3	CS-S147-3		HSSVMCB2	27	312200 P001	128	
-															
008	SPIRE PSW (3) Ch21-24 . 24+		SPC.S -		S147	TS2CC-28	24	147-4			HSSVMCB2	27	312200 P001	112	
025	SPIRE PSW (3) Ch21-24 . 24-		SPC.S -		S147	TS2CC-28	24	147-4			HSSVMCB2	27	312200 P001	120	
041	SPIRE PSW (3) Ch21-24 . SHD24		SPC.S -		S147	TS2CC-28	24	147-4	CS-S147-4		HSSVMCB2	27	312200 P001	128	
-															
026	SPIRE PSW (4) Ch25-28 . 25+		SPC.S -		S149	TS2CC-28	25	149-1			HSSVMCB2	27	312200 P001	090	
010	SPIRE PSW (4) Ch25-28 . 25-		SPC.S -		S149	TS2CC-28	25	149-1			HSSVMCB2	27	312200 P001	079	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P009**Function / Bundle:** DCU JFP PSW SIH-XS-08**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (4) Ch25-28 . SHD25		SPC.S -		S149	TS2CC-28	25	149-1		CS-S149-1	HSSVMCB2	27	312200 P001	128	
-															
027	SPIRE PSW (4) Ch25-28 . 26+		SPC.S -		S149	TS2CC-28	26	149-2			HSSVMCB2	27	312200 P001	102	
011	SPIRE PSW (4) Ch25-28 . 26-		SPC.S -		S149	TS2CC-28	26	149-2			HSSVMCB2	27	312200 P001	101	
044	SPIRE PSW (4) Ch25-28 . SHD26		SPC.S -		S149	TS2CC-28	26	149-2		CS-S149-2	HSSVMCB2	27	312200 P001	128	
-															
028	SPIRE PSW (4) Ch25-28 . 27+		SPC.S -		S149	TS2CC-28	27	149-3			HSSVMCB2	27	312200 P001	092	
012	SPIRE PSW (4) Ch25-28 . 27-		SPC.S -		S149	TS2CC-28	27	149-3			HSSVMCB2	27	312200 P001	091	
045	SPIRE PSW (4) Ch25-28 . SHD27		SPC.S -		S149	TS2CC-28	27	149-3		CS-S149-3	HSSVMCB2	27	312200 P001	128	
-															
029	SPIRE PSW (4) Ch25-28 . 28+		SPC.S -		S149	TS2CC-28	28	149-4			HSSVMCB2	27	312200 P001	103	
013	SPIRE PSW (4) Ch25-28 . 28-		SPC.S -		S149	TS2CC-28	28	149-4			HSSVMCB2	27	312200 P001	113	
046	SPIRE PSW (4) Ch25-28 . SHD28		SPC.S -		S149	TS2CC-28	28	149-4		CS-S149-4	HSSVMCB2	27	312200 P001	128	
-															
030	SPIRE PSW (4) Ch29-32 . 29+		SPC.S -		S150	TS2CC-28	29	150-1			HSSVMCB2	27	312200 P001	058	
014	SPIRE PSW (4) Ch29-32 . 29-		SPC.S -		S150	TS2CC-28	29	150-1			HSSVMCB2	27	312200 P001	046	
047	SPIRE PSW (4) Ch29-32 . SHD29		SPC.S -		S150	TS2CC-28	29	150-1		CS-S150-1	HSSVMCB2	27	312200 P001	128	
-															
031	SPIRE PSW (4) Ch29-32 . 30+		SPC.S -		S150	TS2CC-28	30	150-2			HSSVMCB2	27	312200 P001	068	
015	SPIRE PSW (4) Ch29-32 . 30-		SPC.S -		S150	TS2CC-28	30	150-2			HSSVMCB2	27	312200 P001	057	
048	SPIRE PSW (4) Ch29-32 . SHD30		SPC.S -		S150	TS2CC-28	30	150-2		CS-S150-2	HSSVMCB2	27	312200 P001	128	
-															
032	SPIRE PSW (4) Ch29-32 . 31+		SPC.S -		S150	TS2CC-28	31	150-3			HSSVMCB2	27	312200 P001	069	
016	SPIRE PSW (4) Ch29-32 . 31-		SPC.S -		S150	TS2CC-28	31	150-3			HSSVMCB2	27	312200 P001	080	
049	SPIRE PSW (4) Ch29-32 . SHD31		SPC.S -		S150	TS2CC-28	31	150-3		CS-S150-3	HSSVMCB2	27	312200 P001	128	
-															
033	SPIRE PSW (4) Ch29-32 . 32+		SPC.S -		S150	TS2CC-28	32	150-4			HSSVMCB2	27	312200 P001	070	
017	SPIRE PSW (4) Ch29-32 . 32-		SPC.S -		S150	TS2CC-28	32	150-4			HSSVMCB2	27	312200 P001	081	
050	SPIRE PSW (4) Ch29-32 . SHD32		SPC.S -		S150	TS2CC-28	32	150-4		CS-S150-4	HSSVMCB2	27	312200 P001	128	
-															
009	SPIRE PLW B08 GND WIRE A2		SPX.S -		S482	T01C0-26					HSSVMCB2	27	312200 P001	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
 (Harness)
SPIRE

Connector: 122300 P009
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P008

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW (3) Ch01-04 . 1+		SPC.S -		S140	TS2CC-28	1	140-1			HSSVMCB2	27	312200 P001	026	
018	SPIRE PSW (3) Ch01-04 . 1-		SPC.S -		S140	TS2CC-28	1	140-1			HSSVMCB2	27	312200 P001	037	
034	SPIRE PSW (3) Ch01-04 . SHD01		SPC.S -		S140	TS2CC-28	1	140-1	CS-S140-1		HSSVMCB2	27	312200 P001	036	
-															
002	SPIRE PSW (3) Ch01-04 . 2+		SPC.S -		S140	TS2CC-28	2	140-2			HSSVMCB2	27	312200 P001	038	
019	SPIRE PSW (3) Ch01-04 . 2-		SPC.S -		S140	TS2CC-28	2	140-2			HSSVMCB2	27	312200 P001	049	
035	SPIRE PSW (3) Ch01-04 . SHD02		SPC.S -		S140	TS2CC-28	2	140-2	CS-S140-2		HSSVMCB2	27	312200 P001	036	
-															
003	SPIRE PSW (3) Ch01-04 . 3+		SPC.S -		S140	TS2CC-28	3	140-3			HSSVMCB2	27	312200 P001	048	
020	SPIRE PSW (3) Ch01-04 . 3-		SPC.S -		S140	TS2CC-28	3	140-3			HSSVMCB2	27	312200 P001	060	
036	SPIRE PSW (3) Ch01-04 . SHD03		SPC.S -		S140	TS2CC-28	3	140-3	CS-S140-3		HSSVMCB2	27	312200 P001	036	
-															
004	SPIRE PSW (3) Ch01-04 . 4+		SPC.S -		S140	TS2CC-28	4	140-4			HSSVMCB2	27	312200 P001	059	
021	SPIRE PSW (3) Ch01-04 . 4-		SPC.S -		S140	TS2CC-28	4	140-4			HSSVMCB2	27	312200 P001	071	
037	SPIRE PSW (3) Ch01-04 . SHD04		SPC.S -		S140	TS2CC-28	4	140-4	CS-S140-4		HSSVMCB2	27	312200 P001	036	
-															
005	SPIRE PSW (3) Ch05-08 . 5+		SPC.S -		S141	TS2CC-28	5	141-1			HSSVMCB2	27	312200 P001	050	
022	SPIRE PSW (3) Ch05-08 . 5-		SPC.S -		S141	TS2CC-28	5	141-1			HSSVMCB2	27	312200 P001	061	
038	SPIRE PSW (3) Ch05-08 . SHD05		SPC.S -		S141	TS2CC-28	5	141-1	CS-S141-1		HSSVMCB2	27	312200 P001	036	
-															
006	SPIRE PSW (3) Ch05-08 . 6+		SPC.S -		S141	TS2CC-28	6	141-2			HSSVMCB2	27	312200 P001	062	
023	SPIRE PSW (3) Ch05-08 . 6-		SPC.S -		S141	TS2CC-28	6	141-2			HSSVMCB2	27	312200 P001	051	
039	SPIRE PSW (3) Ch05-08 . SHD06		SPC.S -		S141	TS2CC-28	6	141-2	CS-S141-2		HSSVMCB2	27	312200 P001	036	
-															
007	SPIRE PSW (3) Ch05-08 . 7+		SPC.S -		S141	TS2CC-28	7	141-3			HSSVMCB2	27	312200 P001	063	
024	SPIRE PSW (3) Ch05-08 . 7-		SPC.S -		S141	TS2CC-28	7	141-3			HSSVMCB2	27	312200 P001	075	
040	SPIRE PSW (3) Ch05-08 . SHD07		SPC.S -		S141	TS2CC-28	7	141-3	CS-S141-3		HSSVMCB2	27	312200 P001	036	
-															
008	SPIRE PSW (3) Ch05-08 . 8+		SPC.S -		S141	TS2CC-28	8	141-4			HSSVMCB2	27	312200 P001	074	
025	SPIRE PSW (3) Ch05-08 . 8-		SPC.S -		S141	TS2CC-28	8	141-4			HSSVMCB2	27	312200 P001	073	
041	SPIRE PSW (3) Ch05-08 . SHD08		SPC.S -		S141	TS2CC-28	8	141-4	CS-S141-4		HSSVMCB2	27	312200 P001	036	
-															
026	SPIRE PSW (3) Ch09-12 . 9+		SPC.S -		S142	TS2CC-28	9	142-1			HSSVMCB2	27	312200 P001	083	
010	SPIRE PSW (3) Ch09-12 . 9-		SPC.S -		S142	TS2CC-28	9	142-1			HSSVMCB2	27	312200 P001	072	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P008

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW (3) Ch09-12 . SHD09		SPC.S -		S142	TS2CC-28	9	142-1		CS-S142-1	HSSVMCB2	27	312200 P001	036	
-															
027	SPIRE PSW (3) Ch09-12 . 10+		SPC.S -		S142	TS2CC-28	10	142-2			HSSVMCB2	27	312200 P001	095	
011	SPIRE PSW (3) Ch09-12 . 10-		SPC.S -		S142	TS2CC-28	10	142-2			HSSVMCB2	27	312200 P001	084	
044	SPIRE PSW (3) Ch09-12 . SHD10		SPC.S -		S142	TS2CC-28	10	142-2		CS-S142-2	HSSVMCB2	27	312200 P001	036	
-															
028	SPIRE PSW (3) Ch09-12 . 11+		SPC.S -		S142	TS2CC-28	11	142-3			HSSVMCB2	27	312200 P001	096	
012	SPIRE PSW (3) Ch09-12 . 11-		SPC.S -		S142	TS2CC-28	11	142-3			HSSVMCB2	27	312200 P001	085	
045	SPIRE PSW (3) Ch09-12 . SHD11		SPC.S -		S142	TS2CC-28	11	142-3		CS-S142-3	HSSVMCB2	27	312200 P001	036	
-															
029	SPIRE PSW (3) Ch09-12 . 12+		SPC.S -		S142	TS2CC-28	12	142-4			HSSVMCB2	27	312200 P001	106	
013	SPIRE PSW (3) Ch09-12 . 12-		SPC.S -		S142	TS2CC-28	12	142-4			HSSVMCB2	27	312200 P001	107	
046	SPIRE PSW (3) Ch09-12 . SHD12		SPC.S -		S142	TS2CC-28	12	142-4		CS-S142-4	HSSVMCB2	27	312200 P001	036	
-															
030	SPIRE PSW (3) Ch13-16 . 13+		SPC.S -		S145	TS2CC-28	13	145-1			HSSVMCB2	27	312200 P001	086	
014	SPIRE PSW (3) Ch13-16 . 13-		SPC.S -		S145	TS2CC-28	13	145-1			HSSVMCB2	27	312200 P001	087	
047	SPIRE PSW (3) Ch13-16 . SHD13		SPC.S -		S145	TS2CC-28	13	145-1		CS-S145-1	HSSVMCB2	27	312200 P001	036	
-															
031	SPIRE PSW (3) Ch13-16 . 14+		SPC.S -		S145	TS2CC-28	14	145-2			HSSVMCB2	27	312200 P001	097	
015	SPIRE PSW (3) Ch13-16 . 14-		SPC.S -		S145	TS2CC-28	14	145-2			HSSVMCB2	27	312200 P001	098	
048	SPIRE PSW (3) Ch13-16 . SHD14		SPC.S -		S145	TS2CC-28	14	145-2		CS-S145-2	HSSVMCB2	27	312200 P001	036	
-															
032	SPIRE PSW (3) Ch13-16 . 15+		SPC.S -		S145	TS2CC-28	15	145-3			HSSVMCB2	27	312200 P001	108	
016	SPIRE PSW (3) Ch13-16 . 15-		SPC.S -		S145	TS2CC-28	15	145-3			HSSVMCB2	27	312200 P001	109	
049	SPIRE PSW (3) Ch13-16 . SHD15		SPC.S -		S145	TS2CC-28	15	145-3		CS-S145-3	HSSVMCB2	27	312200 P001	036	
-															
033	SPIRE PSW (3) Ch13-16 . 16+		SPC.S -		S145	TS2CC-28	16	145-4			HSSVMCB2	27	312200 P001	116	
017	SPIRE PSW (3) Ch13-16 . 16-		SPC.S -		S145	TS2CC-28	16	145-4			HSSVMCB2	27	312200 P001	117	
050	SPIRE PSW (3) Ch13-16 . SHD16		SPC.S -		S145	TS2CC-28	16	145-4		CS-S145-4	HSSVMCB2	27	312200 P001	036	
-															
009	SPIRE PLW B08 GND WIRE A1		SPX.S -		S481	T01C0-26					HSSVMCB2	27	312200 P001	036	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122300 P008
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-08

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
026	SPIRE PSW Ch01-04 . 1+		SPC.S -		S122	TS2CC-28	1	122-1			HSDCU	17	122300 P005	001	
037	SPIRE PSW Ch01-04 . 1-		SPC.S -		S122	TS2CC-28	1	122-1			HSDCU	17	122300 P005	018	
036	SPIRE PSW Ch01-04 . SHD01		SPC.S -		S122	TS2CC-28	1	122-1	CS-S122-1		HSDCU	17	122300 P005	034	
-															
038	SPIRE PSW Ch01-04 . 2+		SPC.S -		S122	TS2CC-28	2	122-2			HSDCU	17	122300 P005	002	
049	SPIRE PSW Ch01-04 . 2-		SPC.S -		S122	TS2CC-28	2	122-2			HSDCU	17	122300 P005	019	
036	SPIRE PSW Ch01-04 . SHD02		SPC.S -		S122	TS2CC-28	2	122-2	CS-S122-2		HSDCU	17	122300 P005	035	
-															
048	SPIRE PSW Ch01-04 . 3+		SPC.S -		S122	TS2CC-28	3	122-3			HSDCU	17	122300 P005	003	
060	SPIRE PSW Ch01-04 . 3-		SPC.S -		S122	TS2CC-28	3	122-3			HSDCU	17	122300 P005	020	
036	SPIRE PSW Ch01-04 . SHD03		SPC.S -		S122	TS2CC-28	3	122-3	CS-S122-3		HSDCU	17	122300 P005	036	
-															
059	SPIRE PSW Ch01-04 . 4+		SPC.S -		S122	TS2CC-28	4	122-4			HSDCU	17	122300 P005	004	
071	SPIRE PSW Ch01-04 . 4-		SPC.S -		S122	TS2CC-28	4	122-4			HSDCU	17	122300 P005	021	
036	SPIRE PSW Ch01-04 . SHD04		SPC.S -		S122	TS2CC-28	4	122-4	CS-S122-4		HSDCU	17	122300 P005	037	
-															
050	SPIRE PSW Ch05-08 . 5+		SPC.S -		S123	TS2CC-28	5	123-1			HSDCU	17	122300 P005	005	
061	SPIRE PSW Ch05-08 . 5-		SPC.S -		S123	TS2CC-28	5	123-1			HSDCU	17	122300 P005	022	
036	SPIRE PSW Ch05-08 . SHD05		SPC.S -		S123	TS2CC-28	5	123-1	CS-S123-1		HSDCU	17	122300 P005	038	
-															
062	SPIRE PSW Ch05-08 . 6+		SPC.S -		S123	TS2CC-28	6	123-2			HSDCU	17	122300 P005	006	
051	SPIRE PSW Ch05-08 . 6-		SPC.S -		S123	TS2CC-28	6	123-2			HSDCU	17	122300 P005	023	
036	SPIRE PSW Ch05-08 . SHD06		SPC.S -		S123	TS2CC-28	6	123-2	CS-S123-2		HSDCU	17	122300 P005	039	
-															
063	SPIRE PSW Ch05-08 . 7+		SPC.S -		S123	TS2CC-28	7	123-3			HSDCU	17	122300 P005	007	
075	SPIRE PSW Ch05-08 . 7-		SPC.S -		S123	TS2CC-28	7	123-3			HSDCU	17	122300 P005	024	
036	SPIRE PSW Ch05-08 . SHD07		SPC.S -		S123	TS2CC-28	7	123-3	CS-S123-3		HSDCU	17	122300 P005	040	
-															
074	SPIRE PSW Ch05-08 . 8+		SPC.S -		S123	TS2CC-28	8	123-4			HSDCU	17	122300 P005	008	
073	SPIRE PSW Ch05-08 . 8-		SPC.S -		S123	TS2CC-28	8	123-4			HSDCU	17	122300 P005	025	
036	SPIRE PSW Ch05-08 . SHD08		SPC.S -		S123	TS2CC-28	8	123-4	CS-S123-4		HSDCU	17	122300 P005	041	
-															
083	SPIRE PSW Ch09-12 . 9+		SPC.S -		S124	TS2CC-28	9	124-1			HSDCU	17	122300 P005	026	
072	SPIRE PSW Ch09-12 . 9-		SPC.S -		S124	TS2CC-28	9	124-1			HSDCU	17	122300 P005	010	

Pin Allocation List

(Harness)

SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
036	SPIRE PSW Ch09-12 . SHD09		SPC.S -		S124	TS2CC-28	9	124-1		CS-S124-1	HSDCU	17	122300 P005	043	
-															
095	SPIRE PSW Ch09-12 . 10+		SPC.S -		S124	TS2CC-28	10	124-2			HSDCU	17	122300 P005	027	
084	SPIRE PSW Ch09-12 . 10-		SPC.S -		S124	TS2CC-28	10	124-2			HSDCU	17	122300 P005	011	
036	SPIRE PSW Ch09-12 . SHD10		SPC.S -		S124	TS2CC-28	10	124-2		CS-S124-2	HSDCU	17	122300 P005	044	
-															
096	SPIRE PSW Ch09-12 . 11+		SPC.S -		S124	TS2CC-28	11	124-3			HSDCU	17	122300 P005	028	
085	SPIRE PSW Ch09-12 . 11-		SPC.S -		S124	TS2CC-28	11	124-3			HSDCU	17	122300 P005	012	
036	SPIRE PSW Ch09-12 . SHD11		SPC.S -		S124	TS2CC-28	11	124-3		CS-S124-3	HSDCU	17	122300 P005	045	
-															
106	SPIRE PSW Ch09-12 . 12+		SPC.S -		S124	TS2CC-28	12	124-4			HSDCU	17	122300 P005	029	
107	SPIRE PSW Ch09-12 . 12-		SPC.S -		S124	TS2CC-28	12	124-4			HSDCU	17	122300 P005	013	
036	SPIRE PSW Ch09-12 . SHD12		SPC.S -		S124	TS2CC-28	12	124-4		CS-S124-4	HSDCU	17	122300 P005	046	
-															
086	SPIRE PSW Ch13-16 . 13+		SPC.S -		S127	TS2CC-28	13	127-1			HSDCU	17	122300 P005	030	
087	SPIRE PSW Ch13-16 . 13-		SPC.S -		S127	TS2CC-28	13	127-1			HSDCU	17	122300 P005	014	
036	SPIRE PSW Ch13-16 . SHD13		SPC.S -		S127	TS2CC-28	13	127-1		CS-S127-1	HSDCU	17	122300 P005	047	
-															
097	SPIRE PSW Ch13-16 . 14+		SPC.S -		S127	TS2CC-28	14	127-2			HSDCU	17	122300 P005	031	
098	SPIRE PSW Ch13-16 . 14-		SPC.S -		S127	TS2CC-28	14	127-2			HSDCU	17	122300 P005	015	
036	SPIRE PSW Ch13-16 . SHD14		SPC.S -		S127	TS2CC-28	14	127-2		CS-S127-2	HSDCU	17	122300 P005	048	
-															
108	SPIRE PSW Ch13-16 . 15+		SPC.S -		S127	TS2CC-28	15	127-3			HSDCU	17	122300 P005	032	
109	SPIRE PSW Ch13-16 . 15-		SPC.S -		S127	TS2CC-28	15	127-3			HSDCU	17	122300 P005	016	
036	SPIRE PSW Ch13-16 . SHD15		SPC.S -		S127	TS2CC-28	15	127-3		CS-S127-3	HSDCU	17	122300 P005	049	
-															
116	SPIRE PSW Ch13-16 . 16+		SPC.S -		S127	TS2CC-28	16	127-4			HSDCU	17	122300 P005	033	
117	SPIRE PSW Ch13-16 . 16-		SPC.S -		S127	TS2CC-28	16	127-4			HSDCU	17	122300 P005	017	
036	SPIRE PSW Ch13-16 . SHD16		SPC.S -		S127	TS2CC-28	16	127-4		CS-S127-4	HSDCU	17	122300 P005	050	
-															
036	SPIRE PLW B09 GND WIRE A1		SPX.S -		S491	T01C0-26					HSDCU	17	122300 P005	009	
-															
055	SPIRE PSW Ch17-20 . 17+		SPC.S -		S128	TS2CC-28	17	128-1			HSDCU	17	122300 P006	001	
066	SPIRE PSW Ch17-20 . 17-		SPC.S -		S128	TS2CC-28	17	128-1			HSDCU	17	122300 P006	018	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
128	SPIRE PSW Ch17-20 . SHD17		SPC.S -		S128	TS2CC-28	17	128-1		CS-S128-1	HSDCU	17	122300 P006	034	
-															
067	SPIRE PSW Ch17-20 . 18+		SPC.S -		S128	TS2CC-28	18	128-2			HSDCU	17	122300 P006	002	
078	SPIRE PSW Ch17-20 . 18-		SPC.S -		S128	TS2CC-28	18	128-2			HSDCU	17	122300 P006	019	
128	SPIRE PSW Ch17-20 . SHD18		SPC.S -		S128	TS2CC-28	18	128-2		CS-S128-2	HSDCU	17	122300 P006	035	
-															
076	SPIRE PSW Ch17-20 . 19+		SPC.S -		S128	TS2CC-28	19	128-3			HSDCU	17	122300 P006	003	
077	SPIRE PSW Ch17-20 . 19-		SPC.S -		S128	TS2CC-28	19	128-3			HSDCU	17	122300 P006	020	
128	SPIRE PSW Ch17-20 . SHD19		SPC.S -		S128	TS2CC-28	19	128-3		CS-S128-3	HSDCU	17	122300 P006	036	
-															
088	SPIRE PSW Ch17-20 . 20+		SPC.S -		S128	TS2CC-28	20	128-4			HSDCU	17	122300 P006	004	
089	SPIRE PSW Ch17-20 . 20-		SPC.S -		S128	TS2CC-28	20	128-4			HSDCU	17	122300 P006	021	
128	SPIRE PSW Ch17-20 . SHD20		SPC.S -		S128	TS2CC-28	20	128-4		CS-S128-4	HSDCU	17	122300 P006	037	
-															
099	SPIRE PSW Ch21-24 . 21+		SPC.S -		S129	TS2CC-28	21	129-1			HSDCU	17	122300 P006	005	
100	SPIRE PSW Ch21-24 . 21-		SPC.S -		S129	TS2CC-28	21	129-1			HSDCU	17	122300 P006	022	
128	SPIRE PSW Ch21-24 . SHD21		SPC.S -		S129	TS2CC-28	21	129-1		CS-S129-1	HSDCU	17	122300 P006	038	
-															
110	SPIRE PSW Ch21-24 . 22+		SPC.S -		S129	TS2CC-28	22	129-2			HSDCU	17	122300 P006	006	
111	SPIRE PSW Ch21-24 . 22-		SPC.S -		S129	TS2CC-28	22	129-2			HSDCU	17	122300 P006	023	
128	SPIRE PSW Ch21-24 . SHD22		SPC.S -		S129	TS2CC-28	22	129-2		CS-S129-2	HSDCU	17	122300 P006	039	
-															
118	SPIRE PSW Ch21-24 . 23+		SPC.S -		S129	TS2CC-28	23	129-3			HSDCU	17	122300 P006	007	
119	SPIRE PSW Ch21-24 . 23-		SPC.S -		S129	TS2CC-28	23	129-3			HSDCU	17	122300 P006	024	
128	SPIRE PSW Ch21-24 . SHD23		SPC.S -		S129	TS2CC-28	23	129-3		CS-S129-3	HSDCU	17	122300 P006	040	
-															
112	SPIRE PSW Ch21-24 . 24+		SPC.S -		S129	TS2CC-28	24	129-4			HSDCU	17	122300 P006	008	
120	SPIRE PSW Ch21-24 . 24-		SPC.S -		S129	TS2CC-28	24	129-4			HSDCU	17	122300 P006	025	
128	SPIRE PSW Ch21-24 . SHD24		SPC.S -		S129	TS2CC-28	24	129-4		CS-S129-4	HSDCU	17	122300 P006	041	
-															
090	SPIRE PSW Ch25-28 . 25+		SPC.S -		S131	TS2CC-28	25	131-1			HSDCU	17	122300 P006	026	
079	SPIRE PSW Ch25-28 . 25-		SPC.S -		S131	TS2CC-28	25	131-1			HSDCU	17	122300 P006	010	
128	SPIRE PSW Ch25-28 . SHD25		SPC.S -		S131	TS2CC-28	25	131-1		CS-S131-1	HSDCU	17	122300 P006	043	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
102	SPIRE PSW Ch25-28 . 26+	SPC.S	-		S131	TS2CC-28	26	131-2		HSDCU	17	122300 P006	027		
101	SPIRE PSW Ch25-28 . 26-	SPC.S	-		S131	TS2CC-28	26	131-2		HSDCU	17	122300 P006	011		
128	SPIRE PSW Ch25-28 . SHD26	SPC.S	-		S131	TS2CC-28	26	131-2	CS-S131-2	HSDCU	17	122300 P006	044		
-															
092	SPIRE PSW Ch25-28 . 27+	SPC.S	-		S131	TS2CC-28	27	131-3		HSDCU	17	122300 P006	028		
091	SPIRE PSW Ch25-28 . 27-	SPC.S	-		S131	TS2CC-28	27	131-3		HSDCU	17	122300 P006	012		
128	SPIRE PSW Ch25-28 . SHD27	SPC.S	-		S131	TS2CC-28	27	131-3	CS-S131-3	HSDCU	17	122300 P006	045		
-															
103	SPIRE PSW Ch25-28 . 28+	SPC.S	-		S131	TS2CC-28	28	131-4		HSDCU	17	122300 P006	029		
113	SPIRE PSW Ch25-28 . 28-	SPC.S	-		S131	TS2CC-28	28	131-4		HSDCU	17	122300 P006	013		
128	SPIRE PSW Ch25-28 . SHD28	SPC.S	-		S131	TS2CC-28	28	131-4	CS-S131-4	HSDCU	17	122300 P006	046		
-															
058	SPIRE PSW Ch29-32 . 29+	SPC.S	-		S132	TS2CC-28	29	132-1		HSDCU	17	122300 P006	030		
046	SPIRE PSW Ch29-32 . 29-	SPC.S	-		S132	TS2CC-28	29	132-1		HSDCU	17	122300 P006	014		
128	SPIRE PSW Ch29-32 . SHD29	SPC.S	-		S132	TS2CC-28	29	132-1	CS-S132-1	HSDCU	17	122300 P006	047		
-															
068	SPIRE PSW Ch29-32 . 30+	SPC.S	-		S132	TS2CC-28	30	132-2		HSDCU	17	122300 P006	031		
057	SPIRE PSW Ch29-32 . 30-	SPC.S	-		S132	TS2CC-28	30	132-2		HSDCU	17	122300 P006	015		
128	SPIRE PSW Ch29-32 . SHD30	SPC.S	-		S132	TS2CC-28	30	132-2	CS-S132-2	HSDCU	17	122300 P006	048		
-															
069	SPIRE PSW Ch29-32 . 31+	SPC.S	-		S132	TS2CC-28	31	132-3		HSDCU	17	122300 P006	032		
080	SPIRE PSW Ch29-32 . 31-	SPC.S	-		S132	TS2CC-28	31	132-3		HSDCU	17	122300 P006	016		
128	SPIRE PSW Ch29-32 . SHD31	SPC.S	-		S132	TS2CC-28	31	132-3	CS-S132-3	HSDCU	17	122300 P006	049		
-															
070	SPIRE PSW Ch29-32 . 32+	SPC.S	-		S132	TS2CC-28	32	132-4		HSDCU	17	122300 P006	033		
081	SPIRE PSW Ch29-32 . 32-	SPC.S	-		S132	TS2CC-28	32	132-4		HSDCU	17	122300 P006	017		
128	SPIRE PSW Ch29-32 . SHD32	SPC.S	-		S132	TS2CC-28	32	132-4	CS-S132-4	HSDCU	17	122300 P006	050		
-															
128	SPIRE PLW B09 GND WIRE A2	SPX.S	-		S492	T01C0-26				HSDCU	17	122300 P006	009		
-															
023	SPIRE PSW Ch33-36 . 33+	SPC.S	-		S133	TS2CC-28	33	133-1		HSDCU	17	122300 P007	001		
034	SPIRE PSW Ch33-36 . 33-	SPC.S	-		S133	TS2CC-28	33	133-1		HSDCU	17	122300 P007	018		
004	SPIRE PSW Ch33-36 . SHD33	SPC.S	-		S133	TS2CC-28	33	133-1	CS-S133-1	HSDCU	17	122300 P007	034		
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE PSW Ch33-36 . 34+		SPC.S -		S133	TS2CC-28	34	133-2			HSDCU	17	122300 P007	002	
045	SPIRE PSW Ch33-36 . 34-		SPC.S -		S133	TS2CC-28	34	133-2			HSDCU	17	122300 P007	019	
004	SPIRE PSW Ch33-36 . SHD34		SPC.S -		S133	TS2CC-28	34	133-2	CS-S133-2		HSDCU	17	122300 P007	035	
-															
044	SPIRE PSW Ch33-36 . 35+		SPC.S -		S133	TS2CC-28	35	133-3			HSDCU	17	122300 P007	003	
056	SPIRE PSW Ch33-36 . 35-		SPC.S -		S133	TS2CC-28	35	133-3			HSDCU	17	122300 P007	020	
004	SPIRE PSW Ch33-36 . SHD35		SPC.S -		S133	TS2CC-28	35	133-3	CS-S133-3		HSDCU	17	122300 P007	036	
-															
022	SPIRE PSW Ch33-36 . 36+		SPC.S -		S133	TS2CC-28	36	133-4			HSDCU	17	122300 P007	004	
032	SPIRE PSW Ch33-36 . 36-		SPC.S -		S133	TS2CC-28	36	133-4			HSDCU	17	122300 P007	021	
004	SPIRE PSW Ch33-36 . SHD36		SPC.S -		S133	TS2CC-28	36	133-4	CS-S133-4		HSDCU	17	122300 P007	037	
-															
013	SPIRE PSW Ch37-40 . 37+		SPC.S -		S136	TS2CC-28	37	136-1			HSDCU	17	122300 P007	005	
012	SPIRE PSW Ch37-40 . 37-		SPC.S -		S136	TS2CC-28	37	136-1			HSDCU	17	122300 P007	022	
004	SPIRE PSW Ch37-40 . SHD37		SPC.S -		S136	TS2CC-28	37	136-1	CS-S136-1		HSDCU	17	122300 P007	038	
-															
021	SPIRE PSW Ch37-40 . 38+		SPC.S -		S136	TS2CC-28	38	136-2			HSDCU	17	122300 P007	006	
020	SPIRE PSW Ch37-40 . 38-		SPC.S -		S136	TS2CC-28	38	136-2			HSDCU	17	122300 P007	023	
004	SPIRE PSW Ch37-40 . SHD38		SPC.S -		S136	TS2CC-28	38	136-2	CS-S136-2		HSDCU	17	122300 P007	039	
-															
031	SPIRE PSW Ch37-40 . 39+		SPC.S -		S136	TS2CC-28	39	136-3			HSDCU	17	122300 P007	007	
043	SPIRE PSW Ch37-40 . 39-		SPC.S -		S136	TS2CC-28	39	136-3			HSDCU	17	122300 P007	024	
004	SPIRE PSW Ch37-40 . SHD39		SPC.S -		S136	TS2CC-28	39	136-3	CS-S136-3		HSDCU	17	122300 P007	040	
-															
042	SPIRE PSW Ch37-40 . 40+		SPC.S -		S136	TS2CC-28	40	136-4			HSDCU	17	122300 P007	008	
054	SPIRE PSW Ch37-40 . 40-		SPC.S -		S136	TS2CC-28	40	136-4			HSDCU	17	122300 P007	025	
004	SPIRE PSW Ch37-40 . SHD40		SPC.S -		S136	TS2CC-28	40	136-4	CS-S136-4		HSDCU	17	122300 P007	041	
-															
010	SPIRE PSW Ch41-44 . 41+		SPC.S -		S137	TS2CC-28	41	137-1			HSDCU	17	122300 P007	026	
011	SPIRE PSW Ch41-44 . 41-		SPC.S -		S137	TS2CC-28	41	137-1			HSDCU	17	122300 P007	010	
004	SPIRE PSW Ch41-44 . SHD41		SPC.S -		S137	TS2CC-28	41	137-1	CS-S137-1		HSDCU	17	122300 P007	043	
-															
019	SPIRE PSW Ch41-44 . 42+		SPC.S -		S137	TS2CC-28	42	137-2			HSDCU	17	122300 P007	027	
029	SPIRE PSW Ch41-44 . 42-		SPC.S -		S137	TS2CC-28	42	137-2			HSDCU	17	122300 P007	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE PSW Ch41-44 . SHD42		SPC.S -		S137	TS2CC-28	42	137-2		CS-S137-2	HSDCU	17	122300 P007	044	
-															
041	SPIRE PSW Ch41-44 . 43+		SPC.S -		S137	TS2CC-28	43	137-3			HSDCU	17	122300 P007	028	
030	SPIRE PSW Ch41-44 . 43-		SPC.S -		S137	TS2CC-28	43	137-3			HSDCU	17	122300 P007	012	
004	SPIRE PSW Ch41-44 . SHD43		SPC.S -		S137	TS2CC-28	43	137-3		CS-S137-3	HSDCU	17	122300 P007	045	
-															
053	SPIRE PSW Ch41-44 . 44+		SPC.S -		S137	TS2CC-28	44	137-4			HSDCU	17	122300 P007	029	
052	SPIRE PSW Ch41-44 . 44-		SPC.S -		S137	TS2CC-28	44	137-4			HSDCU	17	122300 P007	013	
004	SPIRE PSW Ch41-44 . SHD44		SPC.S -		S137	TS2CC-28	44	137-4		CS-S137-4	HSDCU	17	122300 P007	046	
-															
009	SPIRE PSW Ch45-48 . 45+		SPC.S -		S138	TS2CC-28	45	138-1			HSDCU	17	122300 P007	030	
017	SPIRE PSW Ch45-48 . 45-		SPC.S -		S138	TS2CC-28	45	138-1			HSDCU	17	122300 P007	014	
004	SPIRE PSW Ch45-48 . SHD45		SPC.S -		S138	TS2CC-28	45	138-1		CS-S138-1	HSDCU	17	122300 P007	047	
-															
018	SPIRE PSW Ch45-48 . 46+		SPC.S -		S138	TS2CC-28	46	138-2			HSDCU	17	122300 P007	031	
028	SPIRE PSW Ch45-48 . 46-		SPC.S -		S138	TS2CC-28	46	138-2			HSDCU	17	122300 P007	015	
004	SPIRE PSW Ch45-48 . SHD46		SPC.S -		S138	TS2CC-28	46	138-2		CS-S138-2	HSDCU	17	122300 P007	048	
-															
016	SPIRE PSW Ch45-48 . 47+		SPC.S -		S138	TS2CC-28	47	138-3			HSDCU	17	122300 P007	032	
027	SPIRE PSW Ch45-48 . 47-		SPC.S -		S138	TS2CC-28	47	138-3			HSDCU	17	122300 P007	016	
004	SPIRE PSW Ch45-48 . SHD47		SPC.S -		S138	TS2CC-28	47	138-3		CS-S138-3	HSDCU	17	122300 P007	049	
-															
040	SPIRE PSW Ch45-48 . 48+		SPC.S -		S138	TS2CC-28	48	138-4			HSDCU	17	122300 P007	033	
039	SPIRE PSW Ch45-48 . 48-		SPC.S -		S138	TS2CC-28	48	138-4			HSDCU	17	122300 P007	017	
004	SPIRE PSW Ch45-48 . SHD48		SPC.S -		S138	TS2CC-28	48	138-4		CS-S138-4	HSDCU	17	122300 P007	050	
-															
004	SPIRE PLW B09 GND WIRE A4		SPX.S -		S494	T01C0-26					HSDCU	17	122300 P007	009	
-															
047	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
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) **SPIRE**

Connector: 312200 P002

Function / Bundle: SPIRE SVM CB2 SIH-XS-09

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB2

Backshell: 380 FS 007 M 24 08

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
005	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
024	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
093	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
105	to be con as part of FCR									Faraday Cage Ring (FCR)					
114	to be con as part of FCR									Faraday Cage Ring (FCR)					
115	to be con as part of FCR									Faraday Cage Ring (FCR)					
121	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	2 pins are NC									The following Pins are NC :					
-										;064 ;065					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P007

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW Ch33-36 . 33+		SPC.S -		S133	TS2CC-28	33	133-1			HSSVMCB2	27	312200 P002	023	
018	SPIRE PSW Ch33-36 . 33-		SPC.S -		S133	TS2CC-28	33	133-1			HSSVMCB2	27	312200 P002	034	
034	SPIRE PSW Ch33-36 . SHD33		SPC.S -		S133	TS2CC-28	33	133-1	CS-S133-1		HSSVMCB2	27	312200 P002	004	
-															
002	SPIRE PSW Ch33-36 . 34+		SPC.S -		S133	TS2CC-28	34	133-2			HSSVMCB2	27	312200 P002	033	
019	SPIRE PSW Ch33-36 . 34-		SPC.S -		S133	TS2CC-28	34	133-2			HSSVMCB2	27	312200 P002	045	
035	SPIRE PSW Ch33-36 . SHD34		SPC.S -		S133	TS2CC-28	34	133-2	CS-S133-2		HSSVMCB2	27	312200 P002	004	
-															
003	SPIRE PSW Ch33-36 . 35+		SPC.S -		S133	TS2CC-28	35	133-3			HSSVMCB2	27	312200 P002	044	
020	SPIRE PSW Ch33-36 . 35-		SPC.S -		S133	TS2CC-28	35	133-3			HSSVMCB2	27	312200 P002	056	
036	SPIRE PSW Ch33-36 . SHD35		SPC.S -		S133	TS2CC-28	35	133-3	CS-S133-3		HSSVMCB2	27	312200 P002	004	
-															
004	SPIRE PSW Ch33-36 . 36+		SPC.S -		S133	TS2CC-28	36	133-4			HSSVMCB2	27	312200 P002	022	
021	SPIRE PSW Ch33-36 . 36-		SPC.S -		S133	TS2CC-28	36	133-4			HSSVMCB2	27	312200 P002	032	
037	SPIRE PSW Ch33-36 . SHD36		SPC.S -		S133	TS2CC-28	36	133-4	CS-S133-4		HSSVMCB2	27	312200 P002	004	
-															
005	SPIRE PSW Ch37-40 . 37+		SPC.S -		S136	TS2CC-28	37	136-1			HSSVMCB2	27	312200 P002	013	
022	SPIRE PSW Ch37-40 . 37-		SPC.S -		S136	TS2CC-28	37	136-1			HSSVMCB2	27	312200 P002	012	
038	SPIRE PSW Ch37-40 . SHD37		SPC.S -		S136	TS2CC-28	37	136-1	CS-S136-1		HSSVMCB2	27	312200 P002	004	
-															
006	SPIRE PSW Ch37-40 . 38+		SPC.S -		S136	TS2CC-28	38	136-2			HSSVMCB2	27	312200 P002	021	
023	SPIRE PSW Ch37-40 . 38-		SPC.S -		S136	TS2CC-28	38	136-2			HSSVMCB2	27	312200 P002	020	
039	SPIRE PSW Ch37-40 . SHD38		SPC.S -		S136	TS2CC-28	38	136-2	CS-S136-2		HSSVMCB2	27	312200 P002	004	
-															
007	SPIRE PSW Ch37-40 . 39+		SPC.S -		S136	TS2CC-28	39	136-3			HSSVMCB2	27	312200 P002	031	
024	SPIRE PSW Ch37-40 . 39-		SPC.S -		S136	TS2CC-28	39	136-3			HSSVMCB2	27	312200 P002	043	
040	SPIRE PSW Ch37-40 . SHD39		SPC.S -		S136	TS2CC-28	39	136-3	CS-S136-3		HSSVMCB2	27	312200 P002	004	
-															
008	SPIRE PSW Ch37-40 . 40+		SPC.S -		S136	TS2CC-28	40	136-4			HSSVMCB2	27	312200 P002	042	
025	SPIRE PSW Ch37-40 . 40-		SPC.S -		S136	TS2CC-28	40	136-4			HSSVMCB2	27	312200 P002	054	
041	SPIRE PSW Ch37-40 . SHD40		SPC.S -		S136	TS2CC-28	40	136-4	CS-S136-4		HSSVMCB2	27	312200 P002	004	
-															
026	SPIRE PSW Ch41-44 . 41+		SPC.S -		S137	TS2CC-28	41	137-1			HSSVMCB2	27	312200 P002	010	
010	SPIRE PSW Ch41-44 . 41-		SPC.S -		S137	TS2CC-28	41	137-1			HSSVMCB2	27	312200 P002	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P007

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW Ch41-44 . SHD41		SPC.S -		S137	TS2CC-28	41	137-1		CS-S137-1	HSSVMCB2	27	312200 P002	004	
-															
027	SPIRE PSW Ch41-44 . 42+		SPC.S -		S137	TS2CC-28	42	137-2			HSSVMCB2	27	312200 P002	019	
011	SPIRE PSW Ch41-44 . 42-		SPC.S -		S137	TS2CC-28	42	137-2			HSSVMCB2	27	312200 P002	029	
044	SPIRE PSW Ch41-44 . SHD42		SPC.S -		S137	TS2CC-28	42	137-2		CS-S137-2	HSSVMCB2	27	312200 P002	004	
-															
028	SPIRE PSW Ch41-44 . 43+		SPC.S -		S137	TS2CC-28	43	137-3			HSSVMCB2	27	312200 P002	041	
012	SPIRE PSW Ch41-44 . 43-		SPC.S -		S137	TS2CC-28	43	137-3			HSSVMCB2	27	312200 P002	030	
045	SPIRE PSW Ch41-44 . SHD43		SPC.S -		S137	TS2CC-28	43	137-3		CS-S137-3	HSSVMCB2	27	312200 P002	004	
-															
029	SPIRE PSW Ch41-44 . 44+		SPC.S -		S137	TS2CC-28	44	137-4			HSSVMCB2	27	312200 P002	053	
013	SPIRE PSW Ch41-44 . 44-		SPC.S -		S137	TS2CC-28	44	137-4			HSSVMCB2	27	312200 P002	052	
046	SPIRE PSW Ch41-44 . SHD44		SPC.S -		S137	TS2CC-28	44	137-4		CS-S137-4	HSSVMCB2	27	312200 P002	004	
-															
030	SPIRE PSW Ch45-48 . 45+		SPC.S -		S138	TS2CC-28	45	138-1			HSSVMCB2	27	312200 P002	009	
014	SPIRE PSW Ch45-48 . 45-		SPC.S -		S138	TS2CC-28	45	138-1			HSSVMCB2	27	312200 P002	017	
047	SPIRE PSW Ch45-48 . SHD45		SPC.S -		S138	TS2CC-28	45	138-1		CS-S138-1	HSSVMCB2	27	312200 P002	004	
-															
031	SPIRE PSW Ch45-48 . 46+		SPC.S -		S138	TS2CC-28	46	138-2			HSSVMCB2	27	312200 P002	018	
015	SPIRE PSW Ch45-48 . 46-		SPC.S -		S138	TS2CC-28	46	138-2			HSSVMCB2	27	312200 P002	028	
048	SPIRE PSW Ch45-48 . SHD46		SPC.S -		S138	TS2CC-28	46	138-2		CS-S138-2	HSSVMCB2	27	312200 P002	004	
-															
032	SPIRE PSW Ch45-48 . 47+		SPC.S -		S138	TS2CC-28	47	138-3			HSSVMCB2	27	312200 P002	016	
016	SPIRE PSW Ch45-48 . 47-		SPC.S -		S138	TS2CC-28	47	138-3			HSSVMCB2	27	312200 P002	027	
049	SPIRE PSW Ch45-48 . SHD47		SPC.S -		S138	TS2CC-28	47	138-3		CS-S138-3	HSSVMCB2	27	312200 P002	004	
-															
033	SPIRE PSW Ch45-48 . 48+		SPC.S -		S138	TS2CC-28	48	138-4			HSSVMCB2	27	312200 P002	040	
017	SPIRE PSW Ch45-48 . 48-		SPC.S -		S138	TS2CC-28	48	138-4			HSSVMCB2	27	312200 P002	039	
050	SPIRE PSW Ch45-48 . SHD48		SPC.S -		S138	TS2CC-28	48	138-4		CS-S138-4	HSSVMCB2	27	312200 P002	004	
-															
009	SPIRE PLW B09 GND WIRE A4		SPX.S -		S494	T01C0-26					HSSVMCB2	27	312200 P002	004	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 538 (of 599)

Connector: 122300 P007
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P006

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW Ch17-20 . 17+		SPC.S -		S128	TS2CC-28	17	128-1			HSSVMCB2	27	312200 P002	055	
018	SPIRE PSW Ch17-20 . 17-		SPC.S -		S128	TS2CC-28	17	128-1			HSSVMCB2	27	312200 P002	066	
034	SPIRE PSW Ch17-20 . SHD17		SPC.S -		S128	TS2CC-28	17	128-1	CS-S128-1		HSSVMCB2	27	312200 P002	128	
-															
002	SPIRE PSW Ch17-20 . 18+		SPC.S -		S128	TS2CC-28	18	128-2			HSSVMCB2	27	312200 P002	067	
019	SPIRE PSW Ch17-20 . 18-		SPC.S -		S128	TS2CC-28	18	128-2			HSSVMCB2	27	312200 P002	078	
035	SPIRE PSW Ch17-20 . SHD18		SPC.S -		S128	TS2CC-28	18	128-2	CS-S128-2		HSSVMCB2	27	312200 P002	128	
-															
003	SPIRE PSW Ch17-20 . 19+		SPC.S -		S128	TS2CC-28	19	128-3			HSSVMCB2	27	312200 P002	076	
020	SPIRE PSW Ch17-20 . 19-		SPC.S -		S128	TS2CC-28	19	128-3			HSSVMCB2	27	312200 P002	077	
036	SPIRE PSW Ch17-20 . SHD19		SPC.S -		S128	TS2CC-28	19	128-3	CS-S128-3		HSSVMCB2	27	312200 P002	128	
-															
004	SPIRE PSW Ch17-20 . 20+		SPC.S -		S128	TS2CC-28	20	128-4			HSSVMCB2	27	312200 P002	088	
021	SPIRE PSW Ch17-20 . 20-		SPC.S -		S128	TS2CC-28	20	128-4			HSSVMCB2	27	312200 P002	089	
037	SPIRE PSW Ch17-20 . SHD20		SPC.S -		S128	TS2CC-28	20	128-4	CS-S128-4		HSSVMCB2	27	312200 P002	128	
-															
005	SPIRE PSW Ch21-24 . 21+		SPC.S -		S129	TS2CC-28	21	129-1			HSSVMCB2	27	312200 P002	099	
022	SPIRE PSW Ch21-24 . 21-		SPC.S -		S129	TS2CC-28	21	129-1			HSSVMCB2	27	312200 P002	100	
038	SPIRE PSW Ch21-24 . SHD21		SPC.S -		S129	TS2CC-28	21	129-1	CS-S129-1		HSSVMCB2	27	312200 P002	128	
-															
006	SPIRE PSW Ch21-24 . 22+		SPC.S -		S129	TS2CC-28	22	129-2			HSSVMCB2	27	312200 P002	110	
023	SPIRE PSW Ch21-24 . 22-		SPC.S -		S129	TS2CC-28	22	129-2			HSSVMCB2	27	312200 P002	111	
039	SPIRE PSW Ch21-24 . SHD22		SPC.S -		S129	TS2CC-28	22	129-2	CS-S129-2		HSSVMCB2	27	312200 P002	128	
-															
007	SPIRE PSW Ch21-24 . 23+		SPC.S -		S129	TS2CC-28	23	129-3			HSSVMCB2	27	312200 P002	118	
024	SPIRE PSW Ch21-24 . 23-		SPC.S -		S129	TS2CC-28	23	129-3			HSSVMCB2	27	312200 P002	119	
040	SPIRE PSW Ch21-24 . SHD23		SPC.S -		S129	TS2CC-28	23	129-3	CS-S129-3		HSSVMCB2	27	312200 P002	128	
-															
008	SPIRE PSW Ch21-24 . 24+		SPC.S -		S129	TS2CC-28	24	129-4			HSSVMCB2	27	312200 P002	112	
025	SPIRE PSW Ch21-24 . 24-		SPC.S -		S129	TS2CC-28	24	129-4			HSSVMCB2	27	312200 P002	120	
041	SPIRE PSW Ch21-24 . SHD24		SPC.S -		S129	TS2CC-28	24	129-4	CS-S129-4		HSSVMCB2	27	312200 P002	128	
-															
026	SPIRE PSW Ch25-28 . 25+		SPC.S -		S131	TS2CC-28	25	131-1			HSSVMCB2	27	312200 P002	090	
010	SPIRE PSW Ch25-28 . 25-		SPC.S -		S131	TS2CC-28	25	131-1			HSSVMCB2	27	312200 P002	079	

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P006

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW Ch25-28 . SHD25		SPC.S -		S131	TS2CC-28	25	131-1		CS-S131-1	HSSVMCB2	27	312200 P002	128	
-															
027	SPIRE PSW Ch25-28 . 26+		SPC.S -		S131	TS2CC-28	26	131-2			HSSVMCB2	27	312200 P002	102	
011	SPIRE PSW Ch25-28 . 26-		SPC.S -		S131	TS2CC-28	26	131-2			HSSVMCB2	27	312200 P002	101	
044	SPIRE PSW Ch25-28 . SHD26		SPC.S -		S131	TS2CC-28	26	131-2		CS-S131-2	HSSVMCB2	27	312200 P002	128	
-															
028	SPIRE PSW Ch25-28 . 27+		SPC.S -		S131	TS2CC-28	27	131-3			HSSVMCB2	27	312200 P002	092	
012	SPIRE PSW Ch25-28 . 27-		SPC.S -		S131	TS2CC-28	27	131-3			HSSVMCB2	27	312200 P002	091	
045	SPIRE PSW Ch25-28 . SHD27		SPC.S -		S131	TS2CC-28	27	131-3		CS-S131-3	HSSVMCB2	27	312200 P002	128	
-															
029	SPIRE PSW Ch25-28 . 28+		SPC.S -		S131	TS2CC-28	28	131-4			HSSVMCB2	27	312200 P002	103	
013	SPIRE PSW Ch25-28 . 28-		SPC.S -		S131	TS2CC-28	28	131-4			HSSVMCB2	27	312200 P002	113	
046	SPIRE PSW Ch25-28 . SHD28		SPC.S -		S131	TS2CC-28	28	131-4		CS-S131-4	HSSVMCB2	27	312200 P002	128	
-															
030	SPIRE PSW Ch29-32 . 29+		SPC.S -		S132	TS2CC-28	29	132-1			HSSVMCB2	27	312200 P002	058	
014	SPIRE PSW Ch29-32 . 29-		SPC.S -		S132	TS2CC-28	29	132-1			HSSVMCB2	27	312200 P002	046	
047	SPIRE PSW Ch29-32 . SHD29		SPC.S -		S132	TS2CC-28	29	132-1		CS-S132-1	HSSVMCB2	27	312200 P002	128	
-															
031	SPIRE PSW Ch29-32 . 30+		SPC.S -		S132	TS2CC-28	30	132-2			HSSVMCB2	27	312200 P002	068	
015	SPIRE PSW Ch29-32 . 30-		SPC.S -		S132	TS2CC-28	30	132-2			HSSVMCB2	27	312200 P002	057	
048	SPIRE PSW Ch29-32 . SHD30		SPC.S -		S132	TS2CC-28	30	132-2		CS-S132-2	HSSVMCB2	27	312200 P002	128	
-															
032	SPIRE PSW Ch29-32 . 31+		SPC.S -		S132	TS2CC-28	31	132-3			HSSVMCB2	27	312200 P002	069	
016	SPIRE PSW Ch29-32 . 31-		SPC.S -		S132	TS2CC-28	31	132-3			HSSVMCB2	27	312200 P002	080	
049	SPIRE PSW Ch29-32 . SHD31		SPC.S -		S132	TS2CC-28	31	132-3		CS-S132-3	HSSVMCB2	27	312200 P002	128	
-															
033	SPIRE PSW Ch29-32 . 32+		SPC.S -		S132	TS2CC-28	32	132-4			HSSVMCB2	27	312200 P002	070	
017	SPIRE PSW Ch29-32 . 32-		SPC.S -		S132	TS2CC-28	32	132-4			HSSVMCB2	27	312200 P002	081	
050	SPIRE PSW Ch29-32 . SHD32		SPC.S -		S132	TS2CC-28	32	132-4		CS-S132-4	HSSVMCB2	27	312200 P002	128	
-															
009	SPIRE PLW B09 GND WIRE A2		SPX.S -		S492	T01C0-26					HSSVMCB2	27	312200 P002	128	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH
Project: HERSCHEL

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
 Issue : 3.0 Date : 27.02.2009
 Sheet : 541 (of 599)

Connector: 122300 P006
Item: HSDCU

Function / Bundle: DCU JFP PSWSIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Connector: 122300 P005

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB

Item: HSDCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE PSW Ch01-04 . 1+		SPC.S -		S122	TS2CC-28	1	122-1			HSSVMCB2	27	312200 P002	026	
018	SPIRE PSW Ch01-04 . 1-		SPC.S -		S122	TS2CC-28	1	122-1			HSSVMCB2	27	312200 P002	037	
034	SPIRE PSW Ch01-04 . SHD01		SPC.S -		S122	TS2CC-28	1	122-1	CS-S122-1		HSSVMCB2	27	312200 P002	036	
-															
002	SPIRE PSW Ch01-04 . 2+		SPC.S -		S122	TS2CC-28	2	122-2			HSSVMCB2	27	312200 P002	038	
019	SPIRE PSW Ch01-04 . 2-		SPC.S -		S122	TS2CC-28	2	122-2			HSSVMCB2	27	312200 P002	049	
035	SPIRE PSW Ch01-04 . SHD02		SPC.S -		S122	TS2CC-28	2	122-2	CS-S122-2		HSSVMCB2	27	312200 P002	036	
-															
003	SPIRE PSW Ch01-04 . 3+		SPC.S -		S122	TS2CC-28	3	122-3			HSSVMCB2	27	312200 P002	048	
020	SPIRE PSW Ch01-04 . 3-		SPC.S -		S122	TS2CC-28	3	122-3			HSSVMCB2	27	312200 P002	060	
036	SPIRE PSW Ch01-04 . SHD03		SPC.S -		S122	TS2CC-28	3	122-3	CS-S122-3		HSSVMCB2	27	312200 P002	036	
-															
004	SPIRE PSW Ch01-04 . 4+		SPC.S -		S122	TS2CC-28	4	122-4			HSSVMCB2	27	312200 P002	059	
021	SPIRE PSW Ch01-04 . 4-		SPC.S -		S122	TS2CC-28	4	122-4			HSSVMCB2	27	312200 P002	071	
037	SPIRE PSW Ch01-04 . SHD04		SPC.S -		S122	TS2CC-28	4	122-4	CS-S122-4		HSSVMCB2	27	312200 P002	036	
-															
005	SPIRE PSW Ch05-08 . 5+		SPC.S -		S123	TS2CC-28	5	123-1			HSSVMCB2	27	312200 P002	050	
022	SPIRE PSW Ch05-08 . 5-		SPC.S -		S123	TS2CC-28	5	123-1			HSSVMCB2	27	312200 P002	061	
038	SPIRE PSW Ch05-08 . SHD05		SPC.S -		S123	TS2CC-28	5	123-1	CS-S123-1		HSSVMCB2	27	312200 P002	036	
-															
006	SPIRE PSW Ch05-08 . 6+		SPC.S -		S123	TS2CC-28	6	123-2			HSSVMCB2	27	312200 P002	062	
023	SPIRE PSW Ch05-08 . 6-		SPC.S -		S123	TS2CC-28	6	123-2			HSSVMCB2	27	312200 P002	051	
039	SPIRE PSW Ch05-08 . SHD06		SPC.S -		S123	TS2CC-28	6	123-2	CS-S123-2		HSSVMCB2	27	312200 P002	036	
-															
007	SPIRE PSW Ch05-08 . 7+		SPC.S -		S123	TS2CC-28	7	123-3			HSSVMCB2	27	312200 P002	063	
024	SPIRE PSW Ch05-08 . 7-		SPC.S -		S123	TS2CC-28	7	123-3			HSSVMCB2	27	312200 P002	075	
040	SPIRE PSW Ch05-08 . SHD07		SPC.S -		S123	TS2CC-28	7	123-3	CS-S123-3		HSSVMCB2	27	312200 P002	036	
-															
008	SPIRE PSW Ch05-08 . 8+		SPC.S -		S123	TS2CC-28	8	123-4			HSSVMCB2	27	312200 P002	074	
025	SPIRE PSW Ch05-08 . 8-		SPC.S -		S123	TS2CC-28	8	123-4			HSSVMCB2	27	312200 P002	073	
041	SPIRE PSW Ch05-08 . SHD08		SPC.S -		S123	TS2CC-28	8	123-4	CS-S123-4		HSSVMCB2	27	312200 P002	036	
-															
026	SPIRE PSW Ch09-12 . 9+		SPC.S -		S124	TS2CC-28	9	124-1			HSSVMCB2	27	312200 P002	083	
010	SPIRE PSW Ch09-12 . 9-		SPC.S -		S124	TS2CC-28	9	124-1			HSSVMCB2	27	312200 P002	072	

Pin Allocation List

(Harness)

SPIRE

Connector: 122300 P005**Function / Bundle:** DCU JFP PSW SIH-XS-09**Conn.-Type:** 3401-00201B-DDMA-50S-NMB**Item:** HSDCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE PSW Ch09-12 . SHD09		SPC.S -		S124	TS2CC-28	9	124-1		CS-S124-1	HSSVMCB2	27	312200 P002	036	
-															
027	SPIRE PSW Ch09-12 . 10+		SPC.S -		S124	TS2CC-28	10	124-2			HSSVMCB2	27	312200 P002	095	
011	SPIRE PSW Ch09-12 . 10-		SPC.S -		S124	TS2CC-28	10	124-2			HSSVMCB2	27	312200 P002	084	
044	SPIRE PSW Ch09-12 . SHD10		SPC.S -		S124	TS2CC-28	10	124-2		CS-S124-2	HSSVMCB2	27	312200 P002	036	
-															
028	SPIRE PSW Ch09-12 . 11+		SPC.S -		S124	TS2CC-28	11	124-3			HSSVMCB2	27	312200 P002	096	
012	SPIRE PSW Ch09-12 . 11-		SPC.S -		S124	TS2CC-28	11	124-3			HSSVMCB2	27	312200 P002	085	
045	SPIRE PSW Ch09-12 . SHD11		SPC.S -		S124	TS2CC-28	11	124-3		CS-S124-3	HSSVMCB2	27	312200 P002	036	
-															
029	SPIRE PSW Ch09-12 . 12+		SPC.S -		S124	TS2CC-28	12	124-4			HSSVMCB2	27	312200 P002	106	
013	SPIRE PSW Ch09-12 . 12-		SPC.S -		S124	TS2CC-28	12	124-4			HSSVMCB2	27	312200 P002	107	
046	SPIRE PSW Ch09-12 . SHD12		SPC.S -		S124	TS2CC-28	12	124-4		CS-S124-4	HSSVMCB2	27	312200 P002	036	
-															
030	SPIRE PSW Ch13-16 . 13+		SPC.S -		S127	TS2CC-28	13	127-1			HSSVMCB2	27	312200 P002	086	
014	SPIRE PSW Ch13-16 . 13-		SPC.S -		S127	TS2CC-28	13	127-1			HSSVMCB2	27	312200 P002	087	
047	SPIRE PSW Ch13-16 . SHD13		SPC.S -		S127	TS2CC-28	13	127-1		CS-S127-1	HSSVMCB2	27	312200 P002	036	
-															
031	SPIRE PSW Ch13-16 . 14+		SPC.S -		S127	TS2CC-28	14	127-2			HSSVMCB2	27	312200 P002	097	
015	SPIRE PSW Ch13-16 . 14-		SPC.S -		S127	TS2CC-28	14	127-2			HSSVMCB2	27	312200 P002	098	
048	SPIRE PSW Ch13-16 . SHD14		SPC.S -		S127	TS2CC-28	14	127-2		CS-S127-2	HSSVMCB2	27	312200 P002	036	
-															
032	SPIRE PSW Ch13-16 . 15+		SPC.S -		S127	TS2CC-28	15	127-3			HSSVMCB2	27	312200 P002	108	
016	SPIRE PSW Ch13-16 . 15-		SPC.S -		S127	TS2CC-28	15	127-3			HSSVMCB2	27	312200 P002	109	
049	SPIRE PSW Ch13-16 . SHD15		SPC.S -		S127	TS2CC-28	15	127-3		CS-S127-3	HSSVMCB2	27	312200 P002	036	
-															
033	SPIRE PSW Ch13-16 . 16+		SPC.S -		S127	TS2CC-28	16	127-4			HSSVMCB2	27	312200 P002	116	
017	SPIRE PSW Ch13-16 . 16-		SPC.S -		S127	TS2CC-28	16	127-4			HSSVMCB2	27	312200 P002	117	
050	SPIRE PSW Ch13-16 . SHD16		SPC.S -		S127	TS2CC-28	16	127-4		CS-S127-4	HSSVMCB2	27	312200 P002	036	
-															
009	SPIRE PLW B09 GND WIRE A1		SPX.S -		S491	T01C0-26					HSSVMCB2	27	312200 P002	036	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 544 (of 599)

Connector: 122300 P005
Item: HSDCU

Function / Bundle: DCU JFP PSW SIH-XS-09

Conn.-Type: 3401-00201B-DDMA-50S-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;042					

Pin Allocation List

(Harness)
SPIRE

Project: **HERSCHEL**

Connector: 312300 P006

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
006	SPIRE SorptPumpHtr(N) . I+A		S3F.S -		S239	T04C0-28					HSFCU	17	122200 P011	001	
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	
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	
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	
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	
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	
078	SPIRE PTC Htr(N) . I+B		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	012	
068	SPIRE PTC Htr(N) . I-A		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	024	
067	SPIRE PTC Htr(N) . I-B		STB.S -		S259	TS4CC-28	1				HSFCU	17	122200 P011	025	
090	SPIRE PTC Htr(N) . SHD01		STB.S -		S259	TS4CC-28	1		CS-S259		HSFCU	17	122200 P011	013	
-															
077	SPIRE EvaporatorTemp(N) . I+		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	001	
076	SPIRE EvaporatorTemp(N) . I-		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	002	
066	SPIRE EvaporatorTemp(N) . V+		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	018	
065	SPIRE EvaporatorTemp(N) . V-		S3E.S -		S235	TS4CC-28	2				HSFCU	17	122200 P023	035	

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 P006

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
054	SPIRE EvaporatorTemp(N) . SHD02		S3E.S -		S235	TS4CC-28	2			CS-S235	HSFCU	17	122200 P023	034	
-															
029	SPIRE SorptPumpTemp(N) . I+		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	003	
030	SPIRE SorptPumpTemp(N) . I-		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	019	
041	SPIRE SorptPumpTemp(N) . V+		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	020	
042	SPIRE SorptPumpTemp(N) . V-		S3E.S -		S234	TS4CC-28	3				HSFCU	17	122200 P023	036	
031	SPIRE SorptPumpTemp(N) . SHD03		S3E.S -		S234	TS4CC-28	3			CS-S234	HSFCU	17	122200 P023	038	
-															
053	SPIRE SorptPumpSwTemp(N) . I+		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	004	
052	SPIRE SorptPumpSwTemp(N) . I-		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	005	
064	SPIRE SorptPumpSwTemp(N) . V+		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	021	
063	SPIRE SorptPumpSwTemp(N) . V-		S3E.S -		S236	TS4CC-28	4				HSFCU	17	122200 P023	037	
075	SPIRE SorptPumpSwTemp(N) . SHD04		S3E.S -		S236	TS4CC-28	4			CS-S236	HSFCU	17	122200 P023	038	
-															
050	SPIRE EvaporSwTemp(N) . I+		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	006	
061	SPIRE EvaporSwTemp(N) . I-		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	022	
062	SPIRE EvaporSwTemp(N) . V+		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	023	
051	SPIRE EvaporSwTemp(N) . V-		S3E.S -		S237	TS4CC-28	5				HSFCU	17	122200 P023	039	
039	SPIRE EvaporSwTemp(N) . SHD05		S3E.S -		S237	TS4CC-28	5			CS-S237	HSFCU	17	122200 P023	038	
-															
011	SPIRE ThermShuntTemp(N) . I+A		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	007	
010	SPIRE ThermShuntTemp(N) . I-B		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	008	
019	SPIRE ThermShuntTemp(N) . V+B		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	024	
018	SPIRE ThermShuntTemp(N) . V-A		S3E.S -		S238	TS4CC-28	6				HSFCU	17	122200 P023	040	
020	SPIRE ThermShuntTemp(N) . SHD06		S3E.S -		S238	TS4CC-28	6			CS-S238	HSFCU	17	122200 P023	038	
-															
089	SPIRE FilterTemp(N) . I+		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	009	
088	SPIRE FilterTemp(N) . I-		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	025	
100	SPIRE FilterTemp(N) . V+		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	026	
099	SPIRE FilterTemp(N) . V-		STA.S -		S253	TS4CC-28	7				HSFCU	17	122200 P023	042	
101	SPIRE FilterTemp(N) . SHD07		STA.S -		S253	TS4CC-28	7			CS-S253	HSFCU	17	122200 P023	043	
-															
118	SPIRE SpectDetBoxTemp(N) . I+		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	010	
119	SPIRE SpectDetBoxTemp(N) . I-		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
125	SPIRE SpectDetBoxTemp(N) . V+		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	027	
126	SPIRE SpectDetBoxTemp(N) . V-		STA.S -		S254	TS4CC-28	8				HSFCU	17	122200 P023	044	
110	SPIRE SpectDetBoxTemp(N) . SHD08		STA.S -		S254	TS4CC-28	8			CS-S254	HSFCU	17	122200 P023	043	
-															
123	SPIRE PhotomDetBoxTmp(N) . I+		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	012	
124	SPIRE PhotomDetBoxTmp(N) . I-		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	028	
116	SPIRE PhotomDetBoxTmp(N) . V+		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	029	
117	SPIRE PhotomDetBoxTmp(N) . V-		STA.S -		S255	TS4CC-28	9				HSFCU	17	122200 P023	045	
108	SPIRE PhotomDetBoxTmp(N) . SHD09		STA.S -		S255	TS4CC-28	9			CS-S255	HSFCU	17	122200 P023	046	
-															
106	SPIRE OptSubbenchTmp(N) . I+		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	013	
115	SPIRE OptSubbenchTmp(N) . I-		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	014	
107	SPIRE OptSubbenchTmp(N) . V+		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	030	
122	SPIRE OptSubbenchTmp(N) . V-		STA.S -		S256	TS4CC-28	10				HSFCU	17	122200 P023	047	
105	SPIRE OptSubbenchTmp(N) . SHD10		STA.S -		S256	TS4CC-28	10			CS-S256	HSFCU	17	122200 P023	046	
-															
097	SPIRE FPUInpBaffleTmp(N) . I+		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	015	
098	SPIRE FPUInpBaffleTmp(N) . I-		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	031	
086	SPIRE FPUInpBaffleTmp(N) . V+		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	032	
087	SPIRE FPUInpBaffleTmp(N) . V-		STA.S -		S257	TS4CC-28	11				HSFCU	17	122200 P023	048	
109	SPIRE FPUInpBaffleTmp(N) . SHD11		STA.S -		S257	TS4CC-28	11			CS-S257	HSFCU	17	122200 P023	049	
-															
073	SPIRE BSM/SOB I/FTmp(N) . I+		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	016	
084	SPIRE BSM/SOB I/FTmp(N) . I-		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	017	
074	SPIRE BSM/SOB I/FTmp(N) . V+		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	033	
085	SPIRE BSM/SOB I/FTmp(N) . V-		STA.S -		S258	TS4CC-28	12				HSFCU	17	122200 P023	050	
096	SPIRE BSM/SOB I/FTmp(N) . SHD12		STA.S -		S258	TS4CC-28	12			CS-S258	HSFCU	17	122200 P023	049	
-															
114	SPIRE SpStimFlanTemp(N) . I+		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	001	
104	SPIRE SpStimFlanTemp(N) . I-		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	009	
113	SPIRE SpStimFlanTemp(N) . V+		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	002	
103	SPIRE SpStimFlanTemp(N) . V-		SCA.S -		S244	TS4CC-28	13				HSFCU	17	122200 P025	010	
102	SPIRE SpStimFlanTemp(N) . SHD13		SCA.S -		S244	TS4CC-28	13			CS-S244	HSFCU	17	122200 P025	003	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P006**Function / Bundle:** SPIRE SVM CB3 SIH-XS-10**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
111	SPIRE Spectr4%Temp (N) . I+		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	004	
112	SPIRE Spectr4%Temp (N) . I-		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	011	
120	SPIRE Spectr4%Temp (N) . V+		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	005	
128	SPIRE Spectr4%Temp (N) . V-		SCA.S -		S242	TS4CC-28	14				HSFCU	17	122200 P025	012	
121	SPIRE Spectr4%Temp (N) . SHD14		SCA.S -		S242	TS4CC-28	14			CS-S242	HSFCU	17	122200 P025	013	
-															
091	SPIRE Spectr2%Temp (N) . I+		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	006	
080	SPIRE Spectr2%Temp (N) . I-		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	014	
092	SPIRE Spectr2%Temp (N) . V+		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	007	
081	SPIRE Spectr2%Temp (N) . V-		SCA.S -		S243	TS4CC-28	15				HSFCU	17	122200 P025	015	
093	SPIRE Spectr2%Temp (N) . SHD15		SCA.S -		S243	TS4CC-28	15			CS-S243	HSFCU	17	122200 P025	013	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List
(Harness)
SPIRE

Connector: 312300 P006
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-10

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M24 05

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	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					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P011

Function / Bundle: FCU Heater SIH-XS-10

Conn.-Type: 3401-00201B-DBMA-25P-NMB

Item: HSFCU

Backshell: CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SorptPumpHtr(N) . I+A		S3F.S -		S239	T04C0-28					HSSVMCB3	27	312300 P006	006	
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	
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	
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	
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	
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	
012	SPIRE PTC Htr(N) . I+B		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	078	
024	SPIRE PTC Htr(N) . I-A		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	068	
025	SPIRE PTC Htr(N) . I-B		STB.S -		S259	TS4CC-28	1				HSSVMCB3	27	312300 P006	067	
013	SPIRE PTC Htr(N) . SHD01		STB.S -		S259	TS4CC-28	1		CS-S259		HSSVMCB3	27	312300 P006	090	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)

SPIRE

Connector: 122200 P023**Function / Bundle:** FCU Thermometry Tail A SIH-XS-10**Conn.-Type:** 3401-00201B-DDMA-50P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE EvaporatorTemp(N) . I+		S3E.S -		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	077	
002	SPIRE EvaporatorTemp(N) . I-		S3E.S -		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	076	
018	SPIRE EvaporatorTemp(N) . V+		S3E.S -		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	066	
035	SPIRE EvaporatorTemp(N) . V-		S3E.S -		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	065	
034	SPIRE EvaporatorTemp(N) . SHD02		S3E.S -		S235	TS4CC-28	2				HSSVMCB3	27	312300 P006	054	
-															
003	SPIRE SorptPumpTemp(N) . I+		S3E.S -		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	029	
019	SPIRE SorptPumpTemp(N) . I-		S3E.S -		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	030	
020	SPIRE SorptPumpTemp(N) . V+		S3E.S -		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	041	
036	SPIRE SorptPumpTemp(N) . V-		S3E.S -		S234	TS4CC-28	3				HSSVMCB3	27	312300 P006	042	
038	SPIRE SorptPumpTemp(N) . SHD03		S3E.S -		S234	TS4CC-28	3			CS-S234	HSSVMCB3	27	312300 P006	031	
-															
004	SPIRE SorptPumpSwTemp(N) . I+		S3E.S -		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	053	
005	SPIRE SorptPumpSwTemp(N) . I-		S3E.S -		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	052	
021	SPIRE SorptPumpSwTemp(N) . V+		S3E.S -		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	064	
037	SPIRE SorptPumpSwTemp(N) . V-		S3E.S -		S236	TS4CC-28	4				HSSVMCB3	27	312300 P006	063	
038	SPIRE SorptPumpSwTemp(N) . SHD04		S3E.S -		S236	TS4CC-28	4			CS-S236	HSSVMCB3	27	312300 P006	075	
-															
006	SPIRE EvaporSwTemp(N) . I+		S3E.S -		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	050	
022	SPIRE EvaporSwTemp(N) . I-		S3E.S -		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	061	
023	SPIRE EvaporSwTemp(N) . V+		S3E.S -		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	062	
039	SPIRE EvaporSwTemp(N) . V-		S3E.S -		S237	TS4CC-28	5				HSSVMCB3	27	312300 P006	051	
038	SPIRE EvaporSwTemp(N) . SHD05		S3E.S -		S237	TS4CC-28	5			CS-S237	HSSVMCB3	27	312300 P006	039	
-															
007	SPIRE ThermShuntTemp(N) . I+A		S3E.S -		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	011	
008	SPIRE ThermShuntTemp(N) . I-B		S3E.S -		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	010	
024	SPIRE ThermShuntTemp(N) . V+B		S3E.S -		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	019	
040	SPIRE ThermShuntTemp(N) . V-A		S3E.S -		S238	TS4CC-28	6				HSSVMCB3	27	312300 P006	018	
038	SPIRE ThermShuntTemp(N) . SHD06		S3E.S -		S238	TS4CC-28	6			CS-S238	HSSVMCB3	27	312300 P006	020	
-															
009	SPIRE FilterTemp(N) . I+		STA.S -		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	089	
025	SPIRE FilterTemp(N) . I-		STA.S -		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	088	
026	SPIRE FilterTemp(N) . V+		STA.S -		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	100	
042	SPIRE FilterTemp(N) . V-		STA.S -		S253	TS4CC-28	7				HSSVMCB3	27	312300 P006	099	

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P023**Function / Bundle:** FCU Thermometry Tail A SIH-XS-10**Conn.-Type:** 3401-00201B-DDMA-50P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE FilterTemp(N) . SHD07		STA.S -		S253	TS4CC-28	7			CS-S253	HSSVMCB3	27	312300 P006	101	
-															
010	SPIRE SpectDetBoxTemp(N) . I+		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	118	
011	SPIRE SpectDetBoxTemp(N) . I-		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	119	
027	SPIRE SpectDetBoxTemp(N) . V+		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	125	
044	SPIRE SpectDetBoxTemp(N) . V-		STA.S -		S254	TS4CC-28	8				HSSVMCB3	27	312300 P006	126	
043	SPIRE SpectDetBoxTemp(N) . SHD08		STA.S -		S254	TS4CC-28	8			CS-S254	HSSVMCB3	27	312300 P006	110	
-															
012	SPIRE PhotomDetBoxTmp(N) . I+		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	123	
028	SPIRE PhotomDetBoxTmp(N) . I-		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	124	
029	SPIRE PhotomDetBoxTmp(N) . V+		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	116	
045	SPIRE PhotomDetBoxTmp(N) . V-		STA.S -		S255	TS4CC-28	9				HSSVMCB3	27	312300 P006	117	
046	SPIRE PhotomDetBoxTmp(N) . SHD09		STA.S -		S255	TS4CC-28	9			CS-S255	HSSVMCB3	27	312300 P006	108	
-															
013	SPIRE OptSubbenchTmp(N) . I+		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	106	
014	SPIRE OptSubbenchTmp(N) . I-		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	115	
030	SPIRE OptSubbenchTmp(N) . V+		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	107	
047	SPIRE OptSubbenchTmp(N) . V-		STA.S -		S256	TS4CC-28	10				HSSVMCB3	27	312300 P006	122	
046	SPIRE OptSubbenchTmp(N) . SHD10		STA.S -		S256	TS4CC-28	10			CS-S256	HSSVMCB3	27	312300 P006	105	
-															
015	SPIRE FPUInpBaffleTmp(N) . I+		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	097	
031	SPIRE FPUInpBaffleTmp(N) . I-		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	098	
032	SPIRE FPUInpBaffleTmp(N) . V+		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	086	
048	SPIRE FPUInpBaffleTmp(N) . V-		STA.S -		S257	TS4CC-28	11				HSSVMCB3	27	312300 P006	087	
049	SPIRE FPUInpBaffleTmp(N) . SHD11		STA.S -		S257	TS4CC-28	11			CS-S257	HSSVMCB3	27	312300 P006	109	
-															
016	SPIRE BSM/SOB I/FTmp(N) . I+		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	073	
017	SPIRE BSM/SOB I/FTmp(N) . I-		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	084	
033	SPIRE BSM/SOB I/FTmp(N) . V+		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	074	
050	SPIRE BSM/SOB I/FTmp(N) . V-		STA.S -		S258	TS4CC-28	12				HSSVMCB3	27	312300 P006	085	
049	SPIRE BSM/SOB I/FTmp(N) . SHD12		STA.S -		S258	TS4CC-28	12			CS-S258	HSSVMCB3	27	312300 P006	096	
-															
CH	to be con to Inner Overall Shield (IOS)		-												2S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 553 (of 599)

Connector: 122200 P023
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-10

Conn.-Type: 3401-00201B-DDMA-50P-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;041					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P025**Function / Bundle:** FCU Thermometry Tail B SIH-XS-10**Conn.-Type:** 3401-00201B-DAMA-15P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SpStimFlanTemp(N) . I+	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	114	
009	SPIRE SpStimFlanTemp(N) . I-	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	104	
002	SPIRE SpStimFlanTemp(N) . V+	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	113	
010	SPIRE SpStimFlanTemp(N) . V-	SCA.S	-		S244	TS4CC-28	13				HSSVMCB3	27	312300 P006	103	
003	SPIRE SpStimFlanTemp(N) . SHD13	SCA.S	-		S244	TS4CC-28	13			CS-S244	HSSVMCB3	27	312300 P006	102	
-															
004	SPIRE Spectr4%Temp (N) . I+	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	111	
011	SPIRE Spectr4%Temp (N) . I-	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	112	
005	SPIRE Spectr4%Temp (N) . V+	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	120	
012	SPIRE Spectr4%Temp (N) . V-	SCA.S	-		S242	TS4CC-28	14				HSSVMCB3	27	312300 P006	128	
013	SPIRE Spectr4%Temp (N) . SHD14	SCA.S	-		S242	TS4CC-28	14			CS-S242	HSSVMCB3	27	312300 P006	121	
-															
006	SPIRE Spectr2%Temp (N) . I+	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	091	
014	SPIRE Spectr2%Temp (N) . I-	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	080	
007	SPIRE Spectr2%Temp (N) . V+	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	092	
015	SPIRE Spectr2%Temp (N) . V-	SCA.S	-		S243	TS4CC-28	15				HSSVMCB3	27	312300 P006	081	
013	SPIRE Spectr2%Temp (N) . SHD15	SCA.S	-		S243	TS4CC-28	15			CS-S243	HSSVMCB3	27	312300 P006	093	
-															
CH	to be con to Inner Overall Shield (IOS)		-												2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;008					

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 P004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
086	SPIRE BSMTemp(N) . I+		SBC.S -		S103	TS4CC-28	1				HSFCU	17	122200 P021	001	
087	SPIRE BSMTemp(N) . I-		SBC.S -		S103	TS4CC-28	1				HSFCU	17	122200 P021	002	
097	SPIRE BSMTemp(N) . V+		SBC.S -		S103	TS4CC-28	1				HSFCU	17	122200 P021	009	
098	SPIRE BSMTemp(N) . V-		SBC.S -		S103	TS4CC-28	1				HSFCU	17	122200 P021	010	
075	SPIRE BSMTemp(N) . SHD01		SBC.S -		S103	TS4CC-28	1			CS-S103	HSFCU	17	122200 P021	003	
-															
088	SPIRE SMECTemp(N) . I+		SMC.S -		S271	TS4CC-28	2				HSFCU	17	122200 P021	004	
089	SPIRE SMECTemp(N) . I-		SMC.S -		S271	TS4CC-28	2				HSFCU	17	122200 P021	005	
099	SPIRE SMECTemp(N) . V+		SMC.S -		S271	TS4CC-28	2				HSFCU	17	122200 P021	011	
100	SPIRE SMECTemp(N) . V-		SMC.S -		S271	TS4CC-28	2				HSFCU	17	122200 P021	012	
077	SPIRE SMECTemp(N) . SHD02		SMC.S -		S271	TS4CC-28	2			CS-S271	HSFCU	17	122200 P021	013	
-															
054	SPIRE SMEC/SOB I/FTmp(N) . I+		SMC.S -		S272	TS4CC-28	3				HSFCU	17	122200 P021	006	
053	SPIRE SMEC/SOB I/FTmp(N) . I-		SMC.S -		S272	TS4CC-28	3				HSFCU	17	122200 P021	007	
065	SPIRE SMEC/SOB I/FTmp(N) . V+		SMC.S -		S272	TS4CC-28	3				HSFCU	17	122200 P021	014	
064	SPIRE SMEC/SOB I/FTmp(N) . V-		SMC.S -		S272	TS4CC-28	3				HSFCU	17	122200 P021	015	
076	SPIRE SMEC/SOB I/FTmp(N) . SHD03		SMC.S -		S272	TS4CC-28	3			CS-S272	HSFCU	17	122200 P021	008	
-															
012	SPIRE SMEC Drv Coil (N) . I+		SMD.S -		S276	TS2CC-28	4				HSFCU	17	122200 P017	001	
005	SPIRE SMEC Drv Coil (N) . I-		SMD.S -		S276	TS2CC-28	4				HSFCU	17	122200 P017	002	
013	SPIRE SMEC Drv Coil (N) . SHD04		SMD.S -		S276	TS2CC-28	4			CS-S276	HSFCU	17	122200 P017	020	
-															
022	SPIRE SMEC Drv Coil (Rob) (N) . I+		SMD.S -		S277	TS2CC-28	5				HSFCU	17	122200 P017	021	
007	SPIRE SMEC Drv Coil (Rob) (N) . I-		SMD.S -		S277	TS2CC-28	5				HSFCU	17	122200 P017	022	
013	SPIRE SMEC Drv Coil (Rob) (N) . SHD05		SMD.S -		S277	TS2CC-28	5			CS-S277	HSFCU	17	122200 P017	003	
-															
014	SPIRE SMEC Drv Sense (N) . Sen+		SMG.S -		S278	TS2CC-28	6				HSFCU	17	122200 P017	004	
024	SPIRE SMEC Drv Sense (N) . Sen-		SMG.S -		S278	TS2CC-28	6				HSFCU	17	122200 P017	005	
023	SPIRE SMEC Drv Sense (N) . SHD06		SMG.S -		S278	TS2CC-28	6			CS-S278	HSFCU	17	122200 P017	023	
-															
009	SPIRE SMEC PosSeLEDpwr(N) . S		SMH.S -		S279	TS2CC-28	7				HSFCU	17	122200 P017	007	
002	SPIRE SMEC PosSeLEDpwr(N) . R		SMH.S -		S279	TS2CC-28	7				HSFCU	17	122200 P017	008	
003	SPIRE SMEC PosSeLEDpwr(N) . SHD07		SMH.S -		S279	TS2CC-28	7			CS-S279	HSFCU	17	122200 P017	026	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
011	SPIRE SMEC PosSensPwr(N) . S		SMH.S -		S280	TS2CC-28	8				HSFCU	17	122200 P017	027	
004	SPIRE SMEC PosSensPwr(N) . R		SMH.S -		S280	TS2CC-28	8				HSFCU	17	122200 P017	028	
010	SPIRE SMEC PosSensPwr(N) . SHD08		SMH.S -		S280	TS2CC-28	8		CS-S280		HSFCU	17	122200 P017	009	
-															
018	SPIRE SMEC PosPhDi#1(N) . I+		SMJ.S -		S281	TS2CC-28	9				HSFCU	17	122200 P017	010	
019	SPIRE SMEC PosPhDi#1(N) . I-		SMJ.S -		S281	TS2CC-28	9				HSFCU	17	122200 P017	011	
029	SPIRE SMEC PosPhDi#1(N) . SHD09		SMJ.S -		S281	TS2CC-28	9		CS-S281		HSFCU	17	122200 P017	029	
-															
056	SPIRE SMEC PosPhDi#1FB(N) . S		SMK.S -		S282	TS2CC-28	10				HSFCU	17	122200 P017	030	
055	SPIRE SMEC PosPhDi#1FB(N) . R		SMK.S -		S282	TS2CC-28	10				HSFCU	17	122200 P017	031	
044	SPIRE SMEC PosPhDi#1FB(N) . SHD10		SMK.S -		S282	TS2CC-28	10		CS-S282		HSFCU	17	122200 P017	012	
-															
042	SPIRE SMEC PosPhDi#2(N) . I+		SMJ.S -		S283	TS2CC-28	11				HSFCU	17	122200 P017	013	
041	SPIRE SMEC PosPhDi#2(N) . I-		SMJ.S -		S283	TS2CC-28	11				HSFCU	17	122200 P017	014	
030	SPIRE SMEC PosPhDi#2(N) . SHD11		SMJ.S -		S283	TS2CC-28	11		CS-S283		HSFCU	17	122200 P017	032	
-															
034	SPIRE SMEC PosPhDi#2FB(N) . S		SMK.S -		S284	TS2CC-28	12				HSFCU	17	122200 P017	033	
033	SPIRE SMEC PosPhDi#2FB(N) . R		SMK.S -		S284	TS2CC-28	12				HSFCU	17	122200 P017	034	
045	SPIRE SMEC PosPhDi#2FB(N) . SHD12		SMK.S -		S284	TS2CC-28	12		CS-S284		HSFCU	17	122200 P017	015	
-															
020	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.S -		S285	TS2CC-28	13				HSFCU	17	122200 P017	016	
021	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.S -		S285	TS2CC-28	13				HSFCU	17	122200 P017	017	
031	SPIRE SMEC PosPhDi#3(N) . SHD13		SMJ.S -		S285	TS2CC-28	13		CS-S285		HSFCU	17	122200 P017	035	
-															
058	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.S -		S286	TS2CC-28	14				HSFCU	17	122200 P017	036	
057	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.S -		S286	TS2CC-28	14				HSFCU	17	122200 P017	037	
046	SPIRE SMEC PosPhDi#3FB(N) . SHD14		SMK.S -		S286	TS2CC-28	14		CS-S286		HSFCU	17	122200 P017	018	
-															
048	SPIRE P-Cal Htr(N) . I+A		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	002	
071	SPIRE P-Cal Htr(N) . I+B		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	003	
060	SPIRE P-Cal Htr(N) . I-A		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	007	
059	SPIRE P-Cal Htr(N) . I-B		SBD.S -		S260	TS4CC-28	15				HSFCU	17	122200 P013	008	
036	SPIRE P-Cal Htr(N) . SHD15		SBD.S -		S260	TS4CC-28	15		CS-S260		HSFCU	17	122200 P013	004	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P004

Function / Bundle: SPIRE SVM CB3 SIH-XS-11

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
067	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.S -		S267	TS2CC-28	16				HSFCU	17	122200 P029	008	2S
066	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.S -		S267	TS2CC-28	16				HSFCU	17	122200 P029	027	2S
078	SPIRE SMECLL#1Pwr1/A(N) . SHD16		SMF.S -		S267	TS2CC-28	16		CS-S267		HSFCU	17	122200 P029	020	
-															
069	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.S -		S268	TS2CC-28	17				HSFCU	17	122200 P029	009	2S
068	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.S -		S268	TS2CC-28	17				HSFCU	17	122200 P029	028	2S
080	SPIRE SMECLL#1Pwr2/B(N) . SHD17		SMF.S -		S268	TS2CC-28	17		CS-S268		HSFCU	17	122200 P029	003	
-															
090	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.S -		S269	TS2CC-28	18				HSFCU	17	122200 P029	010	2S
091	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.S -		S269	TS2CC-28	18				HSFCU	17	122200 P029	029	2S
079	SPIRE SMECLL#2Pwr1/A(N) . SHD18		SMF.S -		S269	TS2CC-28	18		CS-S269		HSFCU	17	122200 P029	023	
-															
092	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.S -		S270	TS2CC-28	19				HSFCU	17	122200 P029	011	2S
093	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.S -		S270	TS2CC-28	19				HSFCU	17	122200 P029	030	2S
081	SPIRE SMECLL#2Pwr2/B(N) . SHD19		SMF.S -		S270	TS2CC-28	19		CS-S270		HSFCU	17	122200 P029	006	
-															
101	SPIRE SMECLVDTPriCIPw(N) . P		SMA.S -		S273	TS2CC-28	20				HSFCU	17	122200 P029	013	
102	SPIRE SMECLVDTPriCIPw(N) . N		SMA.S -		S273	TS2CC-28	20				HSFCU	17	122200 P029	014	
112	SPIRE SMECLVDTPriCIPw(N) . SHD20		SMA.S -		S273	TS2CC-28	20		CS-S273		HSFCU	17	122200 P029	032	
-															
127	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.S -		S274	TS2CC-28	21				HSFCU	17	122200 P029	015	
120	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.S -		S274	TS2CC-28	21				HSFCU	17	122200 P029	016	
128	SPIRE SMECLVDTSCI#1Sg(N) . SHD21		SMB.S -		S274	TS2CC-28	21		CS-S274		HSFCU	17	122200 P029	034	
-															
114	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.S -		S275	TS2CC-28	22				HSFCU	17	122200 P029	017	
113	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.S -		S275	TS2CC-28	22				HSFCU	17	122200 P029	018	
121	SPIRE SMECLVDTSCI#2Sg(N) . SHD22		SMB.S -		S275	TS2CC-28	22		CS-S275		HSFCU	17	122200 P029	036	
-															
051	SPIRE ChopSensor1&2(N) . 1		SBA.S -		S041	TS2CC-28	23				HSFCU	17	122200 P019	001	
040	SPIRE ChopSensor1&2(N) . 2		SBA.S -		S041	TS2CC-28	23				HSFCU	17	122200 P019	020	
039	SPIRE ChopSensor1&2(N) . SHD23		SBA.S -		S041	TS2CC-28	23		CS-S041		HSFCU	17	122200 P019	022	
-															
028	SPIRE ChopSensor3-5(N) . 3		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	002	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
017	SPIRE ChopSensor3-5(N) . 4		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	021	
016	SPIRE ChopSensor3-5(N) . 5		SBB.S -		S043	TS3CC-28	24				HSFCU	17	122200 P019	003	
027	SPIRE ChopSensor3-5(N) . SHD24		SBB.S -		S043	TS3CC-28	24		CS-S043		HSFCU	17	122200 P019	022	
-															
049	SPIRE JiggleSensor1&2(N) . 1		SBA.S -		S045	TS2CC-28	25				HSFCU	17	122200 P019	004	
050	SPIRE JiggleSensor1&2(N) . 2		SBA.S -		S045	TS2CC-28	25				HSFCU	17	122200 P019	023	
038	SPIRE JiggleSensor1&2(N) . SHD25		SBA.S -		S045	TS2CC-28	25		CS-S045		HSFCU	17	122200 P019	022	
-															
015	SPIRE JiggleSensor3-5(N) . 3		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	005	
025	SPIRE JiggleSensor3-5(N) . 4		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	024	
037	SPIRE JiggleSensor3-5(N) . 5		SBB.S -		S048	TS3CC-28	26				HSFCU	17	122200 P019	006	
026	SPIRE JiggleSensor3-5(N) . SHD26		SBB.S -		S048	TS3CC-28	26		CS-S048		HSFCU	17	122200 P019	025	
-															
105	SPIRE BSMLatchDrive(N) . SUP		SBF.S -		S262	TS2CC-28	27				HSFCU	17	122200 P019	013	
115	SPIRE BSMLatchDrive(N) . RTN		SBF.S -		S262	TS2CC-28	27				HSFCU	17	122200 P019	014	
106	SPIRE BSMLatchDrive(N) . SHD27		SBF.S -		S262	TS2CC-28	27		CS-S262		HSFCU	17	122200 P019	033	
-															
072	SPIRE ChopMotDrive(N) . 1		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	015	
061	SPIRE ChopMotDrive(N) . 2		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	034	
062	SPIRE ChopMotDrive(N) . 3		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	016	
074	SPIRE ChopMotDrive(N) . 4		SBG.S -		S263	TS4CC-28	28				HSFCU	17	122200 P019	035	
073	SPIRE ChopMotDrive(N) . SHD28		SBG.S -		S263	TS4CC-28	28		CS-S263		HSFCU	17	122200 P019	017	
-															
083	SPIRE JiggleMotDrive(N) . 1		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	036	
095	SPIRE JiggleMotDrive(N) . 2		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	018	
096	SPIRE JiggleMotDrive(N) . 3		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	037	
085	SPIRE JiggleMotDrive(N) . 4		SBG.S -		S264	TS4CC-28	29				HSFCU	17	122200 P019	019	
084	SPIRE JiggleMotDrive(N) . SHD29		SBG.S -		S264	TS4CC-28	29		CS-S264		HSFCU	17	122200 P019	017	
-															
108	SPIRE BSMLchLtchConf(N) . 1		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P001	011	2S
116	SPIRE BSMLchLtchConf(N) . 2		SBE.S -		S261	TS2CC-28	30				HSSVMCB3	27	312300 P001	001	2S
107	SPIRE BSMLchLtchConf(N) . SHD30		SBE.S -		S261	TS2CC-28	30		CS-S261		HSSVMCB3	27	312300 P001	002	2S
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
117	SPIRE SMECLLtch#1Conf(N) . 1+		SME.S -		S265	TS2CC-28		31		HSSVMCB3	27	312300 P001	012	2S
118	SPIRE SMECLLtch#1Conf(N) . 1-		SME.S -		S265	TS2CC-28		31		HSSVMCB3	27	312300 P001	004	2S
109	SPIRE SMECLLtch#1Conf(N) . SHD31		SME.S -		S265	TS2CC-28		31	CS-S265	HSSVMCB3	27	312300 P001	005	2S
-														
111	SPIRE SMECLLtch#2Conf(N) . 2+		SME.S -		S266	TS2CC-28		32		HSSVMCB3	27	312300 P001	013	2S
119	SPIRE SMECLLtch#2Conf(N) . 2-		SME.S -		S266	TS2CC-28		32		HSSVMCB3	27	312300 P001	008	2S
110	SPIRE SMECLLtch#2Conf(N) . SHD32		SME.S -		S266	TS2CC-28		32	CS-S266	HSSVMCB3	27	312300 P001	009	2S
-														
027	Interconnection Star Pin								Star Pin for Interconnection					2S
026	to be con to pin 027													
038	to be con to pin 027													
039	to be con to pin 027													
-														
030	Interconnection Star Pin								Star Pin for Interconnection					2S
029	to be con to pin 030													
031	to be con to pin 030													
-														
045	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
044	to be con to pin 045													
046	to be con to pin 045													
-														
073	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
084	to be con to pin 073													2S
-														
077	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
076	to be con to pin 077													
-														
080	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
078	to be con to pin 080													
079	to be con to pin 080													
081	to be con to pin 080													
-														
109	Shield Interconnection Star Pin								Star Pin for Shield Intercon					
110	to be con to pin 109													

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P004**Function / Bundle:** SPIRE SVM CB3 SIH-XS-11**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-															
128	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
112	to be con to pin 128														
121	to be con to pin 128														
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	5 pins are NC									The following Pins are NC :					
-	-									;032 ;043 ;052 ;063 ;103					

Pin Allocation List (Harness) **SPIRE**

Connector: 122200 P013
Item: HSFCU

Function / Bundle: FCU Phot. Stimulus Prime SIH-XS-11

Conn.-Type: 3401-00201B-DEMA-09P-NMB
Backshell: XE-01

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
002	SPIRE P-Cal Htr(N) . I+A		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	048	
003	SPIRE P-Cal Htr(N) . I+B		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	071	
007	SPIRE P-Cal Htr(N) . I-A		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	060	
008	SPIRE P-Cal Htr(N) . I-B		SBD.S -		S260	TS4CC-28	15				HSSVMCB3	27	312300 P004	059	
004	SPIRE P-Cal Htr(N) . SHD15		SBD.S -		S260	TS4CC-28	15			CS-S260	HSSVMCB3	27	312300 P004	036	
-															
CH	to be con to Inner Overall Shield (IOS)			-											2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	4 pins are NC									The following Pins are NC :					
-										;001 ;005 ;006 ;009					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P017

Function / Bundle: FCU SMEC Contr.SIH-XS-11

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SMEC Drv Coil (N) . I+	SMD.S	-		S276	TS2CC-28	4				HSSVMCB3	27	312300 P004	012	
002	SPIRE SMEC Drv Coil (N) . I-	SMD.S	-		S276	TS2CC-28	4				HSSVMCB3	27	312300 P004	005	
020	SPIRE SMEC Drv Coil (N) . SHD04	SMD.S	-		S276	TS2CC-28	4		CS-S276		HSSVMCB3	27	312300 P004	013	
-															
021	SPIRE SMEC Drv Coil (Rob) (N) . I+	SMD.S	-		S277	TS2CC-28	5				HSSVMCB3	27	312300 P004	022	
022	SPIRE SMEC Drv Coil (Rob) (N) . I-	SMD.S	-		S277	TS2CC-28	5				HSSVMCB3	27	312300 P004	007	
003	SPIRE SMEC Drv Coil (Rob) (N) . SHD05	SMD.S	-		S277	TS2CC-28	5		CS-S277		HSSVMCB3	27	312300 P004	013	
-															
004	SPIRE SMEC Drv Sense (N) . Sen+	SMG.S	-		S278	TS2CC-28	6				HSSVMCB3	27	312300 P004	014	
005	SPIRE SMEC Drv Sense (N) . Sen-	SMG.S	-		S278	TS2CC-28	6				HSSVMCB3	27	312300 P004	024	
023	SPIRE SMEC Drv Sense (N) . SHD06	SMG.S	-		S278	TS2CC-28	6		CS-S278		HSSVMCB3	27	312300 P004	023	
-															
007	SPIRE SMEC PosSeLEDpwr(N) . S	SMH.S	-		S279	TS2CC-28	7				HSSVMCB3	27	312300 P004	009	
008	SPIRE SMEC PosSeLEDpwr(N) . R	SMH.S	-		S279	TS2CC-28	7				HSSVMCB3	27	312300 P004	002	
026	SPIRE SMEC PosSeLEDpwr(N) . SHD07	SMH.S	-		S279	TS2CC-28	7		CS-S279		HSSVMCB3	27	312300 P004	003	
-															
027	SPIRE SMEC PosSensPwr(N) . S	SMH.S	-		S280	TS2CC-28	8				HSSVMCB3	27	312300 P004	011	
028	SPIRE SMEC PosSensPwr(N) . R	SMH.S	-		S280	TS2CC-28	8				HSSVMCB3	27	312300 P004	004	
009	SPIRE SMEC PosSensPwr(N) . SHD08	SMH.S	-		S280	TS2CC-28	8		CS-S280		HSSVMCB3	27	312300 P004	010	
-															
010	SPIRE SMEC PosPhDi#1(N) . I+	SMJ.S	-		S281	TS2CC-28	9				HSSVMCB3	27	312300 P004	018	
011	SPIRE SMEC PosPhDi#1(N) . I-	SMJ.S	-		S281	TS2CC-28	9				HSSVMCB3	27	312300 P004	019	
029	SPIRE SMEC PosPhDi#1(N) . SHD09	SMJ.S	-		S281	TS2CC-28	9		CS-S281		HSSVMCB3	27	312300 P004	029	
-															
030	SPIRE SMEC PosPhDi#1FB(N) . S	SMK.S	-		S282	TS2CC-28	10				HSSVMCB3	27	312300 P004	056	
031	SPIRE SMEC PosPhDi#1FB(N) . R	SMK.S	-		S282	TS2CC-28	10				HSSVMCB3	27	312300 P004	055	
012	SPIRE SMEC PosPhDi#1FB(N) . SHD10	SMK.S	-		S282	TS2CC-28	10		CS-S282		HSSVMCB3	27	312300 P004	044	
-															
013	SPIRE SMEC PosPhDi#2(N) . I+	SMJ.S	-		S283	TS2CC-28	11				HSSVMCB3	27	312300 P004	042	
014	SPIRE SMEC PosPhDi#2(N) . I-	SMJ.S	-		S283	TS2CC-28	11				HSSVMCB3	27	312300 P004	041	
032	SPIRE SMEC PosPhDi#2(N) . SHD11	SMJ.S	-		S283	TS2CC-28	11		CS-S283		HSSVMCB3	27	312300 P004	030	
-															
033	SPIRE SMEC PosPhDi#2FB(N) . S	SMK.S	-		S284	TS2CC-28	12				HSSVMCB3	27	312300 P004	034	
034	SPIRE SMEC PosPhDi#2FB(N) . R	SMK.S	-		S284	TS2CC-28	12				HSSVMCB3	27	312300 P004	033	

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P017**Function / Bundle:** FCU SMEC Contr.SIH-XS-11**Conn.-Type:** 3401-00201B-DCMA-37P-NMB**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
015	SPIRE SMEC PosPhDi#2FB(N) . SHD12		SMK.S	-	S284	TS2CC-28	12			CS-S284	HSSVMCB3	27	312300 P004	045	
-															
016	SPIRE SMEC PosPhDi#3(N) . I+		SMJ.S	-	S285	TS2CC-28	13				HSSVMCB3	27	312300 P004	020	
017	SPIRE SMEC PosPhDi#3(N) . I-		SMJ.S	-	S285	TS2CC-28	13				HSSVMCB3	27	312300 P004	021	
035	SPIRE SMEC PosPhDi#3(N) . SHD13		SMJ.S	-	S285	TS2CC-28	13			CS-S285	HSSVMCB3	27	312300 P004	031	
-															
036	SPIRE SMEC PosPhDi#3FB(N) . S		SMK.S	-	S286	TS2CC-28	14				HSSVMCB3	27	312300 P004	058	
037	SPIRE SMEC PosPhDi#3FB(N) . R		SMK.S	-	S286	TS2CC-28	14				HSSVMCB3	27	312300 P004	057	
018	SPIRE SMEC PosPhDi#3FB(N) . SHD14		SMK.S	-	S286	TS2CC-28	14			CS-S286	HSSVMCB3	27	312300 P004	046	
-															
CH	to be con to Inner Overall Shield (IOS)			-						removable short pigtail to CH / Insulation required between IOS and OOS					
-															
CH	to be con to Outer Overall Shield (OOS)									Insulation required between IOS and OOS					
-															
001	Interconnection Star Pin									Star Pin for interconnection					
021	to be con to pin 001														
-															
002	Interconnection Star Pin									Star Pin for interconnection					
022	to be con to pin 002														
-															
-	4 pins are NC									The following Pins are NC :					
-										;006 ;019 ;024 ;025					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P019

Function / Bundle: FCU BSM Pr SIH-XS-11

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE ChopSensor1&2(N) . 1		SBA.S -		S041	TS2CC-28	23				HSSVMCB3	27	312300 P004	051	
020	SPIRE ChopSensor1&2(N) . 2		SBA.S -		S041	TS2CC-28	23				HSSVMCB3	27	312300 P004	040	
022	SPIRE ChopSensor1&2(N) . SHD23		SBA.S -		S041	TS2CC-28	23			CS-S041	HSSVMCB3	27	312300 P004	039	
-															
002	SPIRE ChopSensor3-5(N) . 3		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	028	
021	SPIRE ChopSensor3-5(N) . 4		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	017	
003	SPIRE ChopSensor3-5(N) . 5		SBB.S -		S043	TS3CC-28	24				HSSVMCB3	27	312300 P004	016	
022	SPIRE ChopSensor3-5(N) . SHD24		SBB.S -		S043	TS3CC-28	24			CS-S043	HSSVMCB3	27	312300 P004	027	
-															
004	SPIRE JiggleSensor1&2(N) . 1		SBA.S -		S045	TS2CC-28	25				HSSVMCB3	27	312300 P004	049	
023	SPIRE JiggleSensor1&2(N) . 2		SBA.S -		S045	TS2CC-28	25				HSSVMCB3	27	312300 P004	050	
022	SPIRE JiggleSensor1&2(N) . SHD25		SBA.S -		S045	TS2CC-28	25			CS-S045	HSSVMCB3	27	312300 P004	038	
-															
005	SPIRE JiggleSensor3-5(N) . 3		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	015	
024	SPIRE JiggleSensor3-5(N) . 4		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	025	
006	SPIRE JiggleSensor3-5(N) . 5		SBB.S -		S048	TS3CC-28	26				HSSVMCB3	27	312300 P004	037	
025	SPIRE JiggleSensor3-5(N) . SHD26		SBB.S -		S048	TS3CC-28	26			CS-S048	HSSVMCB3	27	312300 P004	026	
-															
013	SPIRE BSMLatchDrive(N) . SUP		SBF.S -		S262	TS2CC-28	27				HSSVMCB3	27	312300 P004	105	
014	SPIRE BSMLatchDrive(N) . RTN		SBF.S -		S262	TS2CC-28	27				HSSVMCB3	27	312300 P004	115	
033	SPIRE BSMLatchDrive(N) . SHD27		SBF.S -		S262	TS2CC-28	27			CS-S262	HSSVMCB3	27	312300 P004	106	
-															
015	SPIRE ChopMotDrive(N) . 1		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	072	
034	SPIRE ChopMotDrive(N) . 2		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	061	
016	SPIRE ChopMotDrive(N) . 3		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	062	
035	SPIRE ChopMotDrive(N) . 4		SBG.S -		S263	TS4CC-28	28				HSSVMCB3	27	312300 P004	074	
017	SPIRE ChopMotDrive(N) . SHD28		SBG.S -		S263	TS4CC-28	28			CS-S263	HSSVMCB3	27	312300 P004	073	
-															
036	SPIRE JiggleMotDrive(N) . 1		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	083	
018	SPIRE JiggleMotDrive(N) . 2		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	095	
037	SPIRE JiggleMotDrive(N) . 3		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	096	
019	SPIRE JiggleMotDrive(N) . 4		SBG.S -		S264	TS4CC-28	29				HSSVMCB3	27	312300 P004	085	
017	SPIRE JiggleMotDrive(N) . SHD29		SBG.S -		S264	TS4CC-28	29			CS-S264	HSSVMCB3	27	312300 P004	084	
-															

Pin Allocation List
(Harness)
SPIRE

Connector: 122200 P019
Item: HSFCU

Function / Bundle: FCU BSM Pr SIH-XS-11

Conn.-Type: 3401-00201B-DCMA-37P-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Inner Overall Shield (IOS)			-											2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
022	Interconnection Star Pin									Star Pin for Interconnection					
025	to be con to pin 022														
-															
-	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)
SPIRE

Connector: 122200 P021**Function / Bundle:** FCU Thermometry C SIH-XS-11**Conn.-Type:** 3401-00201B-DAMA-15P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE BSMTemp(N) . I+	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	086	
002	SPIRE BSMTemp(N) . I-	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	087	
009	SPIRE BSMTemp(N) . V+	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	097	
010	SPIRE BSMTemp(N) . V-	SBC.S	-		S103	TS4CC-28	1				HSSVMCB3	27	312300 P004	098	
003	SPIRE BSMTemp(N) . SHD01	SBC.S	-		S103	TS4CC-28	1			CS-S103	HSSVMCB3	27	312300 P004	075	
-															
004	SPIRE SMECTemp(N) . I+	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	088	
005	SPIRE SMECTemp(N) . I-	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	089	
011	SPIRE SMECTemp(N) . V+	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	099	
012	SPIRE SMECTemp(N) . V-	SMC.S	-		S271	TS4CC-28	2				HSSVMCB3	27	312300 P004	100	
013	SPIRE SMECTemp(N) . SHD02	SMC.S	-		S271	TS4CC-28	2			CS-S271	HSSVMCB3	27	312300 P004	077	
-															
006	SPIRE SMEC/SOB I/FTmp(N) . I+	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	054	
007	SPIRE SMEC/SOB I/FTmp(N) . I-	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	053	
014	SPIRE SMEC/SOB I/FTmp(N) . V+	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	065	
015	SPIRE SMEC/SOB I/FTmp(N) . V-	SMC.S	-		S272	TS4CC-28	3				HSSVMCB3	27	312300 P004	064	
008	SPIRE SMEC/SOB I/FTmp(N) . SHD03	SMC.S	-		S272	TS4CC-28	3			CS-S272	HSSVMCB3	27	312300 P004	076	
-															
CH	to be con to Inner Overall Shield (IOS)		-												2S
-															
CH	to be con to Outer Overall Shield (OOS)		-												2S

Pin Allocation List

(Harness)

SPIRE

Connector: 122200 P029

Function / Bundle: FCU SMEC Launch PrSIH-XS-11

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
008	SPIRE SMECLL#1Pwr1/A(N) . S1		SMF.S -		S267	TS2CC-28	16				HSSVMCB3	27	312300 P004	067	2S
027	SPIRE SMECLL#1Pwr1/A(N) . R1		SMF.S -		S267	TS2CC-28	16				HSSVMCB3	27	312300 P004	066	2S
020	SPIRE SMECLL#1Pwr1/A(N) . SHD16		SMF.S -		S267	TS2CC-28	16		CS-S267		HSSVMCB3	27	312300 P004	078	
-															
009	SPIRE SMECLL#1Pwr2/B(N) . S2		SMF.S -		S268	TS2CC-28	17				HSSVMCB3	27	312300 P004	069	2S
028	SPIRE SMECLL#1Pwr2/B(N) . R2		SMF.S -		S268	TS2CC-28	17				HSSVMCB3	27	312300 P004	068	2S
003	SPIRE SMECLL#1Pwr2/B(N) . SHD17		SMF.S -		S268	TS2CC-28	17		CS-S268		HSSVMCB3	27	312300 P004	080	
-															
010	SPIRE SMECLL#2Pwr1/A(N) . S1		SMF.S -		S269	TS2CC-28	18				HSSVMCB3	27	312300 P004	090	2S
029	SPIRE SMECLL#2Pwr1/A(N) . R1		SMF.S -		S269	TS2CC-28	18				HSSVMCB3	27	312300 P004	091	2S
023	SPIRE SMECLL#2Pwr1/A(N) . SHD18		SMF.S -		S269	TS2CC-28	18		CS-S269		HSSVMCB3	27	312300 P004	079	
-															
011	SPIRE SMECLL#2Pwr2/B(N) . S2		SMF.S -		S270	TS2CC-28	19				HSSVMCB3	27	312300 P004	092	2S
030	SPIRE SMECLL#2Pwr2/B(N) . R2		SMF.S -		S270	TS2CC-28	19				HSSVMCB3	27	312300 P004	093	2S
006	SPIRE SMECLL#2Pwr2/B(N) . SHD19		SMF.S -		S270	TS2CC-28	19		CS-S270		HSSVMCB3	27	312300 P004	081	
-															2S
013	SPIRE SMECLVDTPriCIPw(N) . P		SMA.S -		S273	TS2CC-28	20				HSSVMCB3	27	312300 P004	101	
014	SPIRE SMECLVDTPriCIPw(N) . N		SMA.S -		S273	TS2CC-28	20				HSSVMCB3	27	312300 P004	102	
032	SPIRE SMECLVDTPriCIPw(N) . SHD20		SMA.S -		S273	TS2CC-28	20		CS-S273		HSSVMCB3	27	312300 P004	112	
-															
015	SPIRE SMECLVDTSCI#1Sg(N) . P		SMB.S -		S274	TS2CC-28	21				HSSVMCB3	27	312300 P004	127	
016	SPIRE SMECLVDTSCI#1Sg(N) . N		SMB.S -		S274	TS2CC-28	21				HSSVMCB3	27	312300 P004	120	
034	SPIRE SMECLVDTSCI#1Sg(N) . SHD21		SMB.S -		S274	TS2CC-28	21		CS-S274		HSSVMCB3	27	312300 P004	128	
-															
017	SPIRE SMECLVDTSCI#2Sg(N) . P		SMB.S -		S275	TS2CC-28	22				HSSVMCB3	27	312300 P004	114	
018	SPIRE SMECLVDTSCI#2Sg(N) . N		SMB.S -		S275	TS2CC-28	22				HSSVMCB3	27	312300 P004	113	
036	SPIRE SMECLVDTSCI#2Sg(N) . SHD22		SMB.S -		S275	TS2CC-28	22		CS-S275		HSSVMCB3	27	312300 P004	121	
-															
007	SPIRE SMECLL1PwrA (LPU) . SUP		SMF.E -		SLU1	TS2CC-26	23	LU1-1			HSFCU	17	122200 P043	004	2S 2S 2S
026	SPIRE SMECLL1PwrA (LPU) . RTN		SMF.E -		SLU1	TS2CC-26	23	LU1-1			HSFCU	17	122200 P043	008	2S 2S 2S
020	SPIRE SMECLL1PwrA (LPU) . SHD23		SMF.E -		SLU1	TS2CC-26	23	LU1-1	CS-SLU1-1		HSFCU	17	122200 P043	003	2S 2S 2S
-															2S
001	SPIRE SMECLL1PwrA (LPU) . P		SMF.E -		SLU1	TS2CC-26	24	LU1-2			HSFCU	17	122200 P043	002	2S 2S 2S
002	SPIRE SMECLL1PwrA (LPU) . N		SMF.E -		SLU1	TS2CC-26	24	LU1-2			HSFCU	17	122200 P043	007	2S 2S 2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P029**Function / Bundle:** FCU SMEC Launch PrSIH-XS-11**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SMECLL1PwrA (LPU) . SHD24		SMF.E	-	SLU1	TS2CC-26	24	LU1-2	CS-SLU1-2	HSFCU	17	122200 P043	003	2S 2S 2S	
-														2S	
CH	to be con to Inner Overall Shield (IOS)			-					from 312300 P004					2S	
-															
CH	to be con to outer overall shield 2 (oos 2)								from 122200 P043					2S	
-														2S	
CH	to be con to outer overall shield 1 (oos 1)													2S	
007	Interconnection Star Pin								Star Pin for Interconnection					2S	
008	to be con to pin 007													2S	
009	to be con to pin 007													2S	
010	to be con to pin 007													2S	
011	to be con to pin 007													2S	
-															
026	Interconnection Star Pin								Star Pin for Interconnection					2S	
027	to be con to pin 026													2S	
028	to be con to pin 026													2S	
029	to be con to pin 026													2S	
030	to be con to pin 026													2S	
-															
001	Interconnection Star Pin								Star Pin for Interconnection					2S	
004	to be con to pin 001													2S	
021	to be con to pin 001													2S	
024	to be con to pin 001													2S	
-															
002	Interconnection Star Pin								Star Pin for Interconnection					2S	
005	to be con to pin 002													2S	
022	to be con to pin 002													2S	
025	to be con to pin 002													2S	
-															
020	Shield Interconnection Star Pin								Star Pin for Shield Intercon					2S	
003	to be con to pin 020													2S	
006	to be con to pin 020													2S	
023	to be con to pin 020													2S	
-														2S	

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009 Sheet : 569 (of 599)

Connector: 122200 P029
Item: HSFCU

Function / Bundle: FCU SMEC Launch PrSIH-XS-11

Conn.-Type: 3401-00201B-DCMA-37S-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	6 pins are NC									The following Pins are NC :					
-	-									;012 ;019 ;031 ;033 ;035 ;037					

Pin Allocation List (Harness) **SPIRE**

Connector: 312300 P001

Item: HSSVMCB3

Function / Bundle: Launch Latch I/F A

Conn.-Type: 3401-04401B-06G-10-35SB

Backshell: 380 FS 007 M 10 02

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
011	SPIRE BSMLchLtchConf(N) . 1		SBE.S -		S261	TS2CC-28		30		HSSVMCB3	27	312300 P004	108	2S
001	SPIRE BSMLchLtchConf(N) . 2		SBE.S -		S261	TS2CC-28		30		HSSVMCB3	27	312300 P004	116	2S
002	SPIRE BSMLchLtchConf(N) . SHD30		SBE.S -		S261	TS2CC-28		30	CS-S261	HSSVMCB3	27	312300 P004	107	2S
-														R
012	SPIRE SMECLLtch#1Conf(N) . 1+		SME.S -		S265	TS2CC-28		31		HSSVMCB3	27	312300 P004	117	2S
004	SPIRE SMECLLtch#1Conf(N) . 1-		SME.S -		S265	TS2CC-28		31		HSSVMCB3	27	312300 P004	118	2S
005	SPIRE SMECLLtch#1Conf(N) . SHD31		SME.S -		S265	TS2CC-28		31	CS-S265	HSSVMCB3	27	312300 P004	109	2S
-														R
013	SPIRE SMECLLtch#2Conf(N) . 2+		SME.S -		S266	TS2CC-28		32		HSSVMCB3	27	312300 P004	111	2S
008	SPIRE SMECLLtch#2Conf(N) . 2-		SME.S -		S266	TS2CC-28		32		HSSVMCB3	27	312300 P004	119	2S
009	SPIRE SMECLLtch#2Conf(N) . SHD32		SME.S -		S266	TS2CC-28		32	CS-S266	HSSVMCB3	27	312300 P004	110	2S
-														R
CH	to be con to Overall Shield													R
-														R
002	Interconnection Star Pin								Star Pin for Interconnection					R
003	to be con to pin 002													R
-														R
005	Interconnection Star Pin								Star Pin for Interconnection					R
006	to be con to pin 005													R
007	to be con to pin 005													R
-														R
009	Interconnection Star Pin								Star Pin for Interconnection					R
010	to be con to pin 009													R

Pin Allocation List

(Harness)
SPIRE

Project: **HERSCHEL**

Connector: 312300 P005

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
006	SPIRE SorptPumpHtr(R) . I+A		S3F.S -		S292	T04C0-28					HSFCU	17	122200 P012	001	
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	
-															
022	SPIRE SorptPumpSwHtr(R) . I+A		S3F.S -		S293	T04C0-28					HSFCU	17	122200 P012	003	
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	
-															
055	SPIRE EvaporSwHtr(R) . I+A		S3F.S -		S294	T04C0-28					HSFCU	17	122200 P012	005	
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	
-															
035	SPIRE Spectr4%Heater (R) . I+A		SCB.S -		S298	T04C0-28					HSFCU	17	122200 P012	007	
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	
-															
046	SPIRE Spectr2%Heater (R) . I+A		SCB.S -		S299	T04C0-28					HSFCU	17	122200 P012	009	
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	
-															
079	SPIRE PTC Htr(R) . I+A		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	011	
078	SPIRE PTC Htr(R) . I+B		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	012	
068	SPIRE PTC Htr(R) . I-A		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	024	
067	SPIRE PTC Htr(R) . I-B		STB.S -		S312	TS4CC-28	1				HSFCU	17	122200 P012	025	
090	SPIRE PTC Htr(R) . SHD01		STB.S -		S312	TS4CC-28	1		CS-S312		HSFCU	17	122200 P012	013	
-															
077	SPIRE EvaporatorTemp(R) . I+		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	001	
076	SPIRE EvaporatorTemp(R) . I-		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	002	
066	SPIRE EvaporatorTemp(R) . V+		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	018	
065	SPIRE EvaporatorTemp(R) . V-		S3E.S -		S288	TS4CC-28	2				HSFCU	17	122200 P024	035	

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 P005

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
054	SPIRE EvaporatorTemp(R) . SHD02		S3E.S -		S288	TS4CC-28	2			CS-S288	HSFCU	17	122200 P024	034	
-															
029	SPIRE SorptPumpTemp(R) . I+		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	003	
030	SPIRE SorptPumpTemp(R) . I-		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	019	
041	SPIRE SorptPumpTemp(R) . V+		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	020	
042	SPIRE SorptPumpTemp(R) . V-		S3E.S -		S287	TS4CC-28	3				HSFCU	17	122200 P024	036	
031	SPIRE SorptPumpTemp(R) . SHD03		S3E.S -		S287	TS4CC-28	3			CS-S287	HSFCU	17	122200 P024	038	
-															
053	SPIRE SorptPumpSwTemp(R) . I+		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	004	
052	SPIRE SorptPumpSwTemp(R) . I-		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	005	
064	SPIRE SorptPumpSwTemp(R) . V+		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	021	
063	SPIRE SorptPumpSwTemp(R) . V-		S3E.S -		S289	TS4CC-28	4				HSFCU	17	122200 P024	037	
075	SPIRE SorptPumpSwTemp(R) . SHD04		S3E.S -		S289	TS4CC-28	4			CS-S289	HSFCU	17	122200 P024	038	
-															
050	SPIRE EvaporSwTemp(R) . I+		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	006	
061	SPIRE EvaporSwTemp(R) . I-		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	022	
062	SPIRE EvaporSwTemp(R) . V+		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	023	
051	SPIRE EvaporSwTemp(R) . V-		S3E.S -		S290	TS4CC-28	5				HSFCU	17	122200 P024	039	
039	SPIRE EvaporSwTemp(R) . SHD05		S3E.S -		S290	TS4CC-28	5			CS-S290	HSFCU	17	122200 P024	038	
-															
011	SPIRE ThermShuntTemp(R) . I+A		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	007	
010	SPIRE ThermShuntTemp(R) . I-B		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	008	
019	SPIRE ThermShuntTemp(R) . V+B		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	024	
018	SPIRE ThermShuntTemp(R) . V-A		S3E.S -		S291	TS4CC-28	6				HSFCU	17	122200 P024	040	
020	SPIRE ThermShuntTemp(R) . SHD06		S3E.S -		S291	TS4CC-28	6			CS-S291	HSFCU	17	122200 P024	038	
-															
089	SPIRE FilterTemp(R) . I+		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	009	
088	SPIRE FilterTemp(R) . I-		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	025	
100	SPIRE FilterTemp(R) . V+		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	026	
099	SPIRE FilterTemp(R) . V-		STA.S -		S306	TS4CC-28	7				HSFCU	17	122200 P024	042	
101	SPIRE FilterTemp(R) . SHD07		STA.S -		S306	TS4CC-28	7			CS-S306	HSFCU	17	122200 P024	043	
-															
118	SPIRE SpectDetBoxTemp(R) . I+		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	010	
119	SPIRE SpectDetBoxTemp(R) . I-		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	011	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P005

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
125	SPIRE SpectDetBoxTemp(R) . V+		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	027	
126	SPIRE SpectDetBoxTemp(R) . V-		STA.S -		S307	TS4CC-28	8				HSFCU	17	122200 P024	044	
110	SPIRE SpectDetBoxTemp(R) . SHD08		STA.S -		S307	TS4CC-28	8			CS-S307	HSFCU	17	122200 P024	043	
-															
123	SPIRE PhotomDetBoxTmp(R) . I+		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	012	
124	SPIRE PhotomDetBoxTmp(R) . I-		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	028	
116	SPIRE PhotomDetBoxTmp(R) . V+		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	029	
117	SPIRE PhotomDetBoxTmp(R) . V-		STA.S -		S308	TS4CC-28	9				HSFCU	17	122200 P024	045	
108	SPIRE PhotomDetBoxTmp(R) . SHD09		STA.S -		S308	TS4CC-28	9			CS-S308	HSFCU	17	122200 P024	046	
-															
106	SPIRE OptSubbenchTmp(R) . I+		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	013	
115	SPIRE OptSubbenchTmp(R) . I-		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	014	
107	SPIRE OptSubbenchTmp(R) . V+		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	030	
122	SPIRE OptSubbenchTmp(R) . V-		STA.S -		S309	TS4CC-28	10				HSFCU	17	122200 P024	047	
105	SPIRE OptSubbenchTmp(R) . SHD10		STA.S -		S309	TS4CC-28	10			CS-S309	HSFCU	17	122200 P024	046	
-															
097	SPIRE FPUInpBaffleTmp(R) . I+		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	015	
098	SPIRE FPUInpBaffleTmp(R) . I-		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	031	
086	SPIRE FPUInpBaffleTmp(R) . V+		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	032	
087	SPIRE FPUInpBaffleTmp(R) . V-		STA.S -		S310	TS4CC-28	11				HSFCU	17	122200 P024	048	
109	SPIRE FPUInpBaffleTmp(R) . SHD11		STA.S -		S310	TS4CC-28	11			CS-S310	HSFCU	17	122200 P024	049	
-															
073	SPIRE BSM/SOB I/FTmp(R) . I+		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	016	
084	SPIRE BSM/SOB I/FTmp(R) . I-		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	017	
074	SPIRE BSM/SOB I/FTmp(R) . V+		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	033	
085	SPIRE BSM/SOB I/FTmp(R) . V-		STA.S -		S311	TS4CC-28	12				HSFCU	17	122200 P024	050	
096	SPIRE BSM/SOB I/FTmp(R) . SHD12		STA.S -		S311	TS4CC-28	12			CS-S311	HSFCU	17	122200 P024	049	
-															
114	SPIRE SpStimFlanTemp(R) . I+		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	001	
104	SPIRE SpStimFlanTemp(R) . I-		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	009	
113	SPIRE SpStimFlanTemp(R) . V+		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	002	
103	SPIRE SpStimFlanTemp(R) . V-		SCA.S -		S297	TS4CC-28	13				HSFCU	17	122200 P026	010	
102	SPIRE SpStimFlanTemp(R) . SHD13		SCA.S -		S297	TS4CC-28	13			CS-S297	HSFCU	17	122200 P026	003	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P005**Function / Bundle:** SPIRE SVM CB3 SIH-XS-12**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
111	SPIRE Spectr4%Temp (R) . I+		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	004	
112	SPIRE Spectr4%Temp (R) . I-		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	011	
120	SPIRE Spectr4%Temp (R) . V+		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	005	
128	SPIRE Spectr4%Temp (R) . V-		SCA.S -		S295	TS4CC-28	14				HSFCU	17	122200 P026	012	
121	SPIRE Spectr4%Temp (R) . SHD14		SCA.S -		S295	TS4CC-28	14			CS-S295	HSFCU	17	122200 P026	013	
-															
091	SPIRE Spectr2%Temp (R) . I+		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	006	
080	SPIRE Spectr2%Temp (R) . I-		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	014	
092	SPIRE Spectr2%Temp (R) . V+		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	007	
081	SPIRE Spectr2%Temp (R) . V-		SCA.S -		S296	TS4CC-28	15				HSFCU	17	122200 P026	015	
093	SPIRE Spectr2%Temp (R) . SHD15		SCA.S -		S296	TS4CC-28	15			CS-S296	HSFCU	17	122200 P026	013	
-															
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
002	to be con as part of FCR									Faraday Cage Ring (FCR)					
003	to be con as part of FCR									Faraday Cage Ring (FCR)					
004	to be con as part of FCR									Faraday Cage Ring (FCR)					
007	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
014	to be con as part of FCR									Faraday Cage Ring (FCR)					
015	to be con as part of FCR									Faraday Cage Ring (FCR)					
025	to be con as part of FCR									Faraday Cage Ring (FCR)					
036	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
059	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
127	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 575 (of 599)

Connector: 312300 P005
Item: HSSVMCB3

Function / Bundle: SPIRE SVM CB3 SIH-XS-12

Conn.-Type: 3401-04401B-06G-24-35SN
Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	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					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P012
Item: HSFCU

Function / Bundle: FCU Heater SIH-XS-12

Conn.-Type: 3401-00201B-DBMA-25P-NMB
Backshell: CA-68-25

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SorptPumpHtr(R) . I+A		S3F.S -		S292	T04C0-28					HSSVMCB3	27	312300 P005	006	
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	
-															
003	SPIRE SorptPumpSwHtr(R) . I+A		S3F.S -		S293	T04C0-28					HSSVMCB3	27	312300 P005	022	
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	
-															
005	SPIRE EvaporSwHtr(R) . I+A		S3F.S -		S294	T04C0-28					HSSVMCB3	27	312300 P005	055	
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	
-															
007	SPIRE Spectr4%Heater (R) . I+A		SCB.S -		S298	T04C0-28					HSSVMCB3	27	312300 P005	035	
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	
-															
009	SPIRE Spectr2%Heater (R) . I+A		SCB.S -		S299	T04C0-28					HSSVMCB3	27	312300 P005	046	
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	
-															
011	SPIRE PTC Htr(R) . I+A		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	079	
012	SPIRE PTC Htr(R) . I+B		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	078	
024	SPIRE PTC Htr(R) . I-A		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	068	
025	SPIRE PTC Htr(R) . I-B		STB.S -		S312	TS4CC-28	1				HSSVMCB3	27	312300 P005	067	
013	SPIRE PTC Htr(R) . SHD01		STB.S -		S312	TS4CC-28	1		CS-S312		HSSVMCB3	27	312300 P005	090	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)

SPIRE

Connector: 122200 P024

Function / Bundle: FCU Thermometry Tail A SIH-XS-12

Conn.-Type: 3401-00201B-DDMA-50P-NMB

Item: HSFCU

Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE EvaporatorTemp(R) . I+		S3E.S -		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	077	
002	SPIRE EvaporatorTemp(R) . I-		S3E.S -		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	076	
018	SPIRE EvaporatorTemp(R) . V+		S3E.S -		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	066	
035	SPIRE EvaporatorTemp(R) . V-		S3E.S -		S288	TS4CC-28	2				HSSVMCB3	27	312300 P005	065	
034	SPIRE EvaporatorTemp(R) . SHD02		S3E.S -		S288	TS4CC-28	2			CS-S288	HSSVMCB3	27	312300 P005	054	
-															
003	SPIRE SorptPumpTemp(R) . I+		S3E.S -		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	029	
019	SPIRE SorptPumpTemp(R) . I-		S3E.S -		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	030	
020	SPIRE SorptPumpTemp(R) . V+		S3E.S -		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	041	
036	SPIRE SorptPumpTemp(R) . V-		S3E.S -		S287	TS4CC-28	3				HSSVMCB3	27	312300 P005	042	
038	SPIRE SorptPumpTemp(R) . SHD03		S3E.S -		S287	TS4CC-28	3			CS-S287	HSSVMCB3	27	312300 P005	031	
-															
004	SPIRE SorptPumpSwTemp(R) . I+		S3E.S -		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	053	
005	SPIRE SorptPumpSwTemp(R) . I-		S3E.S -		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	052	
021	SPIRE SorptPumpSwTemp(R) . V+		S3E.S -		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	064	
037	SPIRE SorptPumpSwTemp(R) . V-		S3E.S -		S289	TS4CC-28	4				HSSVMCB3	27	312300 P005	063	
038	SPIRE SorptPumpSwTemp(R) . SHD04		S3E.S -		S289	TS4CC-28	4			CS-S289	HSSVMCB3	27	312300 P005	075	
-															
006	SPIRE EvaporSwTemp(R) . I+		S3E.S -		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	050	
022	SPIRE EvaporSwTemp(R) . I-		S3E.S -		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	061	
023	SPIRE EvaporSwTemp(R) . V+		S3E.S -		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	062	
039	SPIRE EvaporSwTemp(R) . V-		S3E.S -		S290	TS4CC-28	5				HSSVMCB3	27	312300 P005	051	
038	SPIRE EvaporSwTemp(R) . SHD05		S3E.S -		S290	TS4CC-28	5			CS-S290	HSSVMCB3	27	312300 P005	039	
-															
007	SPIRE ThermShuntTemp(R) . I+A		S3E.S -		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	011	
008	SPIRE ThermShuntTemp(R) . I-B		S3E.S -		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	010	
024	SPIRE ThermShuntTemp(R) . V+B		S3E.S -		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	019	
040	SPIRE ThermShuntTemp(R) . V-A		S3E.S -		S291	TS4CC-28	6				HSSVMCB3	27	312300 P005	018	
038	SPIRE ThermShuntTemp(R) . SHD06		S3E.S -		S291	TS4CC-28	6			CS-S291	HSSVMCB3	27	312300 P005	020	
-															
009	SPIRE FilterTemp(R) . I+		STA.S -		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	089	
025	SPIRE FilterTemp(R) . I-		STA.S -		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	088	
026	SPIRE FilterTemp(R) . V+		STA.S -		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	100	
042	SPIRE FilterTemp(R) . V-		STA.S -		S306	TS4CC-28	7				HSSVMCB3	27	312300 P005	099	

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P024**Function / Bundle:** FCU Thermometry Tail A SIH-XS-12**Conn.-Type:** 3401-00201B-DDMA-50P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
043	SPIRE FilterTemp(R) . SHD07		STA.S -		S306	TS4CC-28	7			CS-S306	HSSVMCB3	27	312300 P005	101	
-															
010	SPIRE SpectDetBoxTemp(R) . I+		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	118	
011	SPIRE SpectDetBoxTemp(R) . I-		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	119	
027	SPIRE SpectDetBoxTemp(R) . V+		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	125	
044	SPIRE SpectDetBoxTemp(R) . V-		STA.S -		S307	TS4CC-28	8				HSSVMCB3	27	312300 P005	126	
043	SPIRE SpectDetBoxTemp(R) . SHD08		STA.S -		S307	TS4CC-28	8			CS-S307	HSSVMCB3	27	312300 P005	110	
-															
012	SPIRE PhotomDetBoxTmp(R) . I+		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	123	
028	SPIRE PhotomDetBoxTmp(R) . I-		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	124	
029	SPIRE PhotomDetBoxTmp(R) . V+		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	116	
045	SPIRE PhotomDetBoxTmp(R) . V-		STA.S -		S308	TS4CC-28	9				HSSVMCB3	27	312300 P005	117	
046	SPIRE PhotomDetBoxTmp(R) . SHD09		STA.S -		S308	TS4CC-28	9			CS-S308	HSSVMCB3	27	312300 P005	108	
-															
013	SPIRE OptSubbenchTmp(R) . I+		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	106	
014	SPIRE OptSubbenchTmp(R) . I-		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	115	
030	SPIRE OptSubbenchTmp(R) . V+		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	107	
047	SPIRE OptSubbenchTmp(R) . V-		STA.S -		S309	TS4CC-28	10				HSSVMCB3	27	312300 P005	122	
046	SPIRE OptSubbenchTmp(R) . SHD10		STA.S -		S309	TS4CC-28	10			CS-S309	HSSVMCB3	27	312300 P005	105	
-															
015	SPIRE FPUInpBaffleTmp(R) . I+		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	097	
031	SPIRE FPUInpBaffleTmp(R) . I-		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	098	
032	SPIRE FPUInpBaffleTmp(R) . V+		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	086	
048	SPIRE FPUInpBaffleTmp(R) . V-		STA.S -		S310	TS4CC-28	11				HSSVMCB3	27	312300 P005	087	
049	SPIRE FPUInpBaffleTmp(R) . SHD11		STA.S -		S310	TS4CC-28	11			CS-S310	HSSVMCB3	27	312300 P005	109	
-															
016	SPIRE BSM/SOB I/FTmp(R) . I+		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	073	
017	SPIRE BSM/SOB I/FTmp(R) . I-		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	084	
033	SPIRE BSM/SOB I/FTmp(R) . V+		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	074	
050	SPIRE BSM/SOB I/FTmp(R) . V-		STA.S -		S311	TS4CC-28	12				HSSVMCB3	27	312300 P005	085	
049	SPIRE BSM/SOB I/FTmp(R) . SHD12		STA.S -		S311	TS4CC-28	12			CS-S311	HSSVMCB3	27	312300 P005	096	
-															
CH	to be con to Inner Overall Shield (IOS)		-												2S
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 579 (of 599)

Connector: 122200 P024
Item: HSFCU

Function / Bundle: FCU Thermometry Tail A SIH-XS-12

Conn.-Type: 3401-00201B-DDMA-50P-NMB
Backshell: 550 T 001 M 5 04

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
CH	to be con to Outer Overall Shield (OOS)														2S
-	1 pin is NC									The following Pin is NC :					
-	-									;041					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P026**Function / Bundle:** FCU Thermometry Tail B SIH-XS-12**Conn.-Type:** 3401-00201B-DAMA-15P-NMB**Item:** HSFCU**Backshell:** CA-58-15

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SpStimFlanTemp(R) . I+	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	114	
009	SPIRE SpStimFlanTemp(R) . I-	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	104	
002	SPIRE SpStimFlanTemp(R) . V+	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	113	
010	SPIRE SpStimFlanTemp(R) . V-	SCA.S	-		S297	TS4CC-28	13				HSSVMCB3	27	312300 P005	103	
003	SPIRE SpStimFlanTemp(R) . SHD13	SCA.S	-		S297	TS4CC-28	13			CS-S297	HSSVMCB3	27	312300 P005	102	
-															
004	SPIRE Spectr4%Temp (R) . I+	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	111	
011	SPIRE Spectr4%Temp (R) . I-	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	112	
005	SPIRE Spectr4%Temp (R) . V+	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	120	
012	SPIRE Spectr4%Temp (R) . V-	SCA.S	-		S295	TS4CC-28	14				HSSVMCB3	27	312300 P005	128	
013	SPIRE Spectr4%Temp (R) . SHD14	SCA.S	-		S295	TS4CC-28	14			CS-S295	HSSVMCB3	27	312300 P005	121	
-															
006	SPIRE Spectr2%Temp (R) . I+	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	091	
014	SPIRE Spectr2%Temp (R) . I-	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	080	
007	SPIRE Spectr2%Temp (R) . V+	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	092	
015	SPIRE Spectr2%Temp (R) . V-	SCA.S	-		S296	TS4CC-28	15				HSSVMCB3	27	312300 P005	081	
013	SPIRE Spectr2%Temp (R) . SHD15	SCA.S	-		S296	TS4CC-28	15			CS-S296	HSSVMCB3	27	312300 P005	093	
-															
CH	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	1 pin is NC									The following Pin is NC :					
-	-									;008					

Pin Allocation List

(Harness)

SPIRE

Connector: 312300 P003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
086	SPIRE BSMTemp(R) . I+		SBC.S -		S317	TS4CC-28	1				HSFCU	17	122200 P022	001	
087	SPIRE BSMTemp(R) . I-		SBC.S -		S317	TS4CC-28	1				HSFCU	17	122200 P022	002	
097	SPIRE BSMTemp(R) . V+		SBC.S -		S317	TS4CC-28	1				HSFCU	17	122200 P022	009	
098	SPIRE BSMTemp(R) . V-		SBC.S -		S317	TS4CC-28	1				HSFCU	17	122200 P022	010	
075	SPIRE BSMTemp(R) . SHD01		SBC.S -		S317	TS4CC-28	1			CS-S317	HSFCU	17	122200 P022	003	
-															
088	SPIRE SMECTemp(R) . I+		SMC.S -		S329	TS4CC-28	2				HSFCU	17	122200 P022	004	
089	SPIRE SMECTemp(R) . I-		SMC.S -		S329	TS4CC-28	2				HSFCU	17	122200 P022	005	
099	SPIRE SMECTemp(R) . V+		SMC.S -		S329	TS4CC-28	2				HSFCU	17	122200 P022	011	
100	SPIRE SMECTemp(R) . V-		SMC.S -		S329	TS4CC-28	2				HSFCU	17	122200 P022	012	
077	SPIRE SMECTemp(R) . SHD02		SMC.S -		S329	TS4CC-28	2			CS-S329	HSFCU	17	122200 P022	013	
-															
054	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+		SMC.S -		S330	TS4CC-28	3				HSFCU	17	122200 P022	006	
053	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-		SMC.S -		S330	TS4CC-28	3				HSFCU	17	122200 P022	007	
065	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+		SMC.S -		S330	TS4CC-28	3				HSFCU	17	122200 P022	014	
064	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-		SMC.S -		S330	TS4CC-28	3				HSFCU	17	122200 P022	015	
076	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD03		SMC.S -		S330	TS4CC-28	3			CS-S330	HSFCU	17	122200 P022	008	
-															
012	SPIRE SMEC Drv Coil (R) . I+		SMD.S -		S334	TS2CC-28	4				HSFCU	17	122200 P018	001	
005	SPIRE SMEC Drv Coil (R) . I-		SMD.S -		S334	TS2CC-28	4				HSFCU	17	122200 P018	002	
013	SPIRE SMEC Drv Coil (R) . SHD04		SMD.S -		S334	TS2CC-28	4			CS-S334	HSFCU	17	122200 P018	020	
-															
022	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.S -		S335	TS2CC-28	5				HSFCU	17	122200 P018	021	
007	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.S -		S335	TS2CC-28	5				HSFCU	17	122200 P018	022	
013	SPIRE SMEC Drv Coil (Rob) (R) . SHD05		SMD.S -		S335	TS2CC-28	5			CS-S335	HSFCU	17	122200 P018	003	
-															
014	SPIRE SMEC Drv Sense (R) . Sen+		SMG.S -		S336	TS2CC-28	6				HSFCU	17	122200 P018	004	
024	SPIRE SMEC Drv Sense (R) . Sen-		SMG.S -		S336	TS2CC-28	6				HSFCU	17	122200 P018	005	
023	SPIRE SMEC Drv Sense (R) . SHD06		SMG.S -		S336	TS2CC-28	6			CS-S336	HSFCU	17	122200 P018	023	
-															
009	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.S -		S337	TS2CC-28	7				HSFCU	17	122200 P018	007	
002	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.S -		S337	TS2CC-28	7				HSFCU	17	122200 P018	008	
003	SPIRE SMEC PosSeLEDpwr(R) . SHD07		SMH.S -		S337	TS2CC-28	7			CS-S337	HSFCU	17	122200 P018	026	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
011	SPIRE SMEC PosSensPwr(R) . S		SMH.S -		S338	TS2CC-28	8				HSFCU	17	122200 P018	027	
004	SPIRE SMEC PosSensPwr(R) . R		SMH.S -		S338	TS2CC-28	8				HSFCU	17	122200 P018	028	
010	SPIRE SMEC PosSensPwr(R) . SHD08		SMH.S -		S338	TS2CC-28	8		CS-S338		HSFCU	17	122200 P018	009	
-															
018	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.S -		S339	TS2CC-28	9				HSFCU	17	122200 P018	010	
019	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.S -		S339	TS2CC-28	9				HSFCU	17	122200 P018	011	
029	SPIRE SMEC PosPhDi#1(R) . SHD09		SMJ.S -		S339	TS2CC-28	9		CS-S339		HSFCU	17	122200 P018	029	
-															
056	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.S -		S340	TS2CC-28	10				HSFCU	17	122200 P018	030	
055	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.S -		S340	TS2CC-28	10				HSFCU	17	122200 P018	031	
044	SPIRE SMEC PosPhDi#1FB(R) . SHD10		SMK.S -		S340	TS2CC-28	10		CS-S340		HSFCU	17	122200 P018	012	
-															
042	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.S -		S341	TS2CC-28	11				HSFCU	17	122200 P018	013	
041	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.S -		S341	TS2CC-28	11				HSFCU	17	122200 P018	014	
030	SPIRE SMEC PosPhDi#2(R) . SHD11		SMJ.S -		S341	TS2CC-28	11		CS-S341		HSFCU	17	122200 P018	032	2S
-															
034	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.S -		S342	TS2CC-28	12				HSFCU	17	122200 P018	033	
033	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.S -		S342	TS2CC-28	12				HSFCU	17	122200 P018	034	
045	SPIRE SMEC PosPhDi#2FB(R) . SHD12		SMK.S -		S342	TS2CC-28	12		CS-S342		HSFCU	17	122200 P018	015	2S
-															
020	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.S -		S343	TS2CC-28	13				HSFCU	17	122200 P018	016	
021	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.S -		S343	TS2CC-28	13				HSFCU	17	122200 P018	017	
031	SPIRE SMEC PosPhDi#3(R) . SHD13		SMJ.S -		S343	TS2CC-28	13		CS-S343		HSFCU	17	122200 P018	035	
-															
058	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.S -		S344	TS2CC-28	14				HSFCU	17	122200 P018	036	
057	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.S -		S344	TS2CC-28	14				HSFCU	17	122200 P018	037	
046	SPIRE SMEC PosPhDi#3FB(R) . SHD14		SMK.S -		S344	TS2CC-28	14		CS-S344		HSFCU	17	122200 P018	018	
-															
048	SPIRE P-Cal Htr (R) . I+A		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	002	
071	SPIRE P-Cal Htr (R) . I+B		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	003	
060	SPIRE P-Cal Htr (R) . I-A		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	007	
059	SPIRE P-Cal Htr (R) . I-B		SBD.S -		S318	TS4CC-28	15				HSFCU	17	122200 P014	008	
036	SPIRE P-Cal Htr (R) . SHD15		SBD.S -		S318	TS4CC-28	15		CS-S318		HSFCU	17	122200 P014	004	
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P003

Function / Bundle: SPIRE SVM CB3 SIH-XS-13

Conn.-Type: 3401-04401B-06G-24-35SN

Item: HSSVMCB3

Backshell: 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
067	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.S -		S325	TS2CC-28	16				HSFCU	17	122200 P030	008	2S
066	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.S -		S325	TS2CC-28	16				HSFCU	17	122200 P030	027	2S
078	SPIRE SMECLL#1Pwr1/A(R) . SHD16		SMF.S -		S325	TS2CC-28	16		CS-S325		HSFCU	17	122200 P030	020	
-															
069	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.S -		S326	TS2CC-28	17				HSFCU	17	122200 P030	009	2S
068	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.S -		S326	TS2CC-28	17				HSFCU	17	122200 P030	028	2S
080	SPIRE SMECLL#1Pwr2/B(R) . SHD17		SMF.S -		S326	TS2CC-28	17		CS-S326		HSFCU	17	122200 P030	003	2S
-															
090	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.S -		S327	TS2CC-28	18				HSFCU	17	122200 P030	010	2S
091	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.S -		S327	TS2CC-28	18				HSFCU	17	122200 P030	029	2S
079	SPIRE SMECLL#2Pwr1/A(R) . SHD18		SMF.S -		S327	TS2CC-28	18		CS-S327		HSFCU	17	122200 P030	023	
-															
092	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.S -		S328	TS2CC-28	19				HSFCU	17	122200 P030	011	2S
093	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.S -		S328	TS2CC-28	19				HSFCU	17	122200 P030	030	2S
081	SPIRE SMECLL#2Pwr2/B(R) . SHD19		SMF.S -		S328	TS2CC-28	19		CS-S328		HSFCU	17	122200 P030	006	
-															
101	SPIRE SMECLVDTPriCIPw(R) . P		SMA.S -		S331	TS2CC-28	20				HSFCU	17	122200 P030	013	
102	SPIRE SMECLVDTPriCIPw(R) . N		SMA.S -		S331	TS2CC-28	20				HSFCU	17	122200 P030	014	
112	SPIRE SMECLVDTPriCIPw(R) . SHD20		SMA.S -		S331	TS2CC-28	20		CS-S331		HSFCU	17	122200 P030	032	
-															
127	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.S -		S332	TS2CC-28	21				HSFCU	17	122200 P030	015	
120	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.S -		S332	TS2CC-28	21				HSFCU	17	122200 P030	016	
128	SPIRE SMECLVDTSCI#1Sg(R) . SHD21		SMB.S -		S332	TS2CC-28	21		CS-S332		HSFCU	17	122200 P030	034	2S
-															
114	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.S -		S333	TS2CC-28	22				HSFCU	17	122200 P030	017	
113	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.S -		S333	TS2CC-28	22				HSFCU	17	122200 P030	018	
121	SPIRE SMECLVDTSCI#2Sg(R) . SHD22		SMB.S -		S333	TS2CC-28	22		CS-S333		HSFCU	17	122200 P030	036	
-															
051	SPIRE ChopSensor1&2(R) . 1		SBA.S -		S313	TS2CC-28	23				HSFCU	17	122200 P020	001	
040	SPIRE ChopSensor1&2(R) . 2		SBA.S -		S313	TS2CC-28	23				HSFCU	17	122200 P020	020	
039	SPIRE ChopSensor1&2(R) . SHD23		SBA.S -		S313	TS2CC-28	23		CS-S313		HSFCU	17	122200 P020	022	
-															
028	SPIRE ChopSensor3-5(R) . 3		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	002	
017	SPIRE ChopSensor3-5(R) . 4		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	021	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
016	SPIRE ChopSensor3-5(R) . 5		SBB.S -		S314	TS3CC-28	24				HSFCU	17	122200 P020	003	
027	SPIRE ChopSensor3-5(R) . SHD24		SBB.S -		S314	TS3CC-28	24		CS-S314		HSFCU	17	122200 P020	022	2S
-															
049	SPIRE JiggleSensor1&2(R) . 1		SBA.S -		S315	TS2CC-28	25				HSFCU	17	122200 P020	004	
050	SPIRE JiggleSensor1&2(R) . 2		SBA.S -		S315	TS2CC-28	25				HSFCU	17	122200 P020	023	
038	SPIRE JiggleSensor1&2(R) . SHD25		SBA.S -		S315	TS2CC-28	25		CS-S315		HSFCU	17	122200 P020	022	
-															
015	SPIRE JiggleSensor3-5(R) . 3		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	005	
025	SPIRE JiggleSensor3-5(R) . 4		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	024	
037	SPIRE JiggleSensor3-5(R) . 5		SBB.S -		S316	TS3CC-28	26				HSFCU	17	122200 P020	006	
026	SPIRE JiggleSensor3-5(R) . SHD26		SBB.S -		S316	TS3CC-28	26		CS-S316		HSFCU	17	122200 P020	025	
-															
105	SPIRE BSMLatchDrive(R) . SUP		SBF.S -		S320	TS2CC-28	27				HSFCU	17	122200 P020	013	
115	SPIRE BSMLatchDrive(R) . RTN		SBF.S -		S320	TS2CC-28	27				HSFCU	17	122200 P020	014	
106	SPIRE BSMLatchDrive(R) . SHD27		SBF.S -		S320	TS2CC-28	27		CS-S320		HSFCU	17	122200 P020	033	
-															
072	SPIRE ChopMotDrive(R) . 1		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	015	
061	SPIRE ChopMotDrive(R) . 2		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	034	
062	SPIRE ChopMotDrive(R) . 3		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	016	
074	SPIRE ChopMotDrive(R) . 4		SBG.S -		S321	TS4CC-28	28				HSFCU	17	122200 P020	035	
073	SPIRE ChopMotDrive(R) . SHD28		SBG.S -		S321	TS4CC-28	28		CS-S321		HSFCU	17	122200 P020	017	2S
-															
083	SPIRE JiggleMotDrive(R) . 1		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	036	
095	SPIRE JiggleMotDrive(R) . 2		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	018	
096	SPIRE JiggleMotDrive(R) . 3		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	037	
085	SPIRE JiggleMotDrive(R) . 4		SBG.S -		S322	TS4CC-28	29				HSFCU	17	122200 P020	019	
084	SPIRE JiggleMotDrive(R) . SHD29		SBG.S -		S322	TS4CC-28	29		CS-S322		HSFCU	17	122200 P020	017	
-															
108	SPIRE BSMLchLtchConf(R) . 1		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P002	011	
116	SPIRE BSMLchLtchConf(R) . 2		SBE.S -		S319	TS2CC-28	30				HSSVMCB3	27	312300 P002	001	
107	SPIRE BSMLchLtchConf(R) . SHD30		SBE.S -		S319	TS2CC-28	30		CS-S319		HSSVMCB3	27	312300 P002	002	
-															
117	SPIRE SMECLLtch#1Conf(R) . 1+		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P002	012	
118	SPIRE SMECLLtch#1Conf(R) . 1-		SME.S -		S323	TS2CC-28	31				HSSVMCB3	27	312300 P002	004	

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
109	SPIRE SMECLLtch#1Conf(R) . SHD31		SME.S -		S323	TS2CC-28	31			CS-S323	HSSVMCB3	27	312300 P002	005	2S
-															
111	SPIRE SMECLLtch#2Conf(R) . 2+		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P002	013	
119	SPIRE SMECLLtch#2Conf(R) . 2-		SME.S -		S324	TS2CC-28	32				HSSVMCB3	27	312300 P002	008	
110	SPIRE SMECLLtch#2Conf(R) . SHD32		SME.S -		S324	TS2CC-28	32			CS-S324	HSSVMCB3	27	312300 P002	009	
-															
027	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S
038	to be con to pin 027														2S
039	to be con to pin 027														2S
026	to be con to pin 027														2S
-															
030	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
031	to be con to pin 030														2S
029	to be con to pin 030														2S
-															
045	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
044	to be con to pin 045														
046	to be con to pin 045														2S
-															
073	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
084	to be con to pin 073														2S
-															
077	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
076	to be con to pin 077														
-															
080	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
078	to be con to pin 080														2S
079	to be con to pin 080														2S
081	to be con to pin 080														2S
-															
109	Shield Interconnection Star Pin									Star Pin for Shield Intercon					
110	to be con to pin 109														2S
-															
128	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P003**Function / Bundle:** SPIRE SVM CB3 SIH-XS-13**Conn.-Type:** 3401-04401B-06G-24-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 24 06

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
121	to be con to pin 128														2S
112	to be con to pin 128														2S
-															2S
001	to be con as part of FCR									Faraday Cage Ring (FCR)					
006	to be con as part of FCR									Faraday Cage Ring (FCR)					
008	to be con as part of FCR									Faraday Cage Ring (FCR)					
035	to be con as part of FCR									Faraday Cage Ring (FCR)					
047	to be con as part of FCR									Faraday Cage Ring (FCR)					
070	to be con as part of FCR									Faraday Cage Ring (FCR)					
082	to be con as part of FCR									Faraday Cage Ring (FCR)					
094	to be con as part of FCR									Faraday Cage Ring (FCR)					
104	to be con as part of FCR									Faraday Cage Ring (FCR)					
107	to be con as part of FCR									Faraday Cage Ring (FCR)					
109	to be con as part of FCR									Faraday Cage Ring (FCR)					
110	to be con as part of FCR									Faraday Cage Ring (FCR)					
122	to be con as part of FCR									Faraday Cage Ring (FCR)					
123	to be con as part of FCR									Faraday Cage Ring (FCR)					
124	to be con as part of FCR									Faraday Cage Ring (FCR)					
125	to be con as part of FCR									Faraday Cage Ring (FCR)					
126	to be con as part of FCR									Faraday Cage Ring (FCR)					
-															
FCR	to be con to Inner Overall Shield (IOS)														2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P014**Function / Bundle:** FCU Phot. Stimulus SIH-XS-13**Conn.-Type:** 3401-00201B-DEMA-09P-NMB**Item:** HSFCU**Backshell:** XE-01

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
002	SPIRE P-Cal Htr (R) . I+A		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	048	
003	SPIRE P-Cal Htr (R) . I+B		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	071	
007	SPIRE P-Cal Htr (R) . I-A		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	060	
008	SPIRE P-Cal Htr (R) . I-B		SBD.S -		S318	TS4CC-28	15				HSSVMCB3	27	312300 P003	059	
004	SPIRE P-Cal Htr (R) . SHD15		SBD.S -		S318	TS4CC-28	15			CS-S318	HSSVMCB3	27	312300 P003	036	
-															
CH	to be con to Inner Overall Shield (IOS)			-											2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	4 pins are NC									The following Pins are NC :					2S
-	-									;001 ;005 ;006 ;009					2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P018

Function / Bundle: FCU SMEC Contr SIH-XS-13

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE SMEC Drv Coil (R) . I+		SMD.S -		S334	TS2CC-28	4				HSSVMCB3	27	312300 P003	012	
001	to be con to pin 021														2S
002	SPIRE SMEC Drv Coil (R) . I-		SMD.S -		S334	TS2CC-28	4				HSSVMCB3	27	312300 P003	005	
002	to be con to pin 022														2S
020	SPIRE SMEC Drv Coil (R) . SHD04		SMD.S -		S334	TS2CC-28	4		CS-S334		HSSVMCB3	27	312300 P003	013	
-															
021	SPIRE SMEC Drv Coil (Rob) (R) . I+		SMD.S -		S335	TS2CC-28	5		con to pin 001		HSSVMCB3	27	312300 P003	022	
022	SPIRE SMEC Drv Coil (Rob) (R) . I-		SMD.S -		S335	TS2CC-28	5		con to pin 002		HSSVMCB3	27	312300 P003	007	
003	SPIRE SMEC Drv Coil (Rob) (R) . SHD05		SMD.S -		S335	TS2CC-28	5		CS-S335		HSSVMCB3	27	312300 P003	013	
-															
004	SPIRE SMEC Drv Sense (R) . Sen+		SMG.S -		S336	TS2CC-28	6				HSSVMCB3	27	312300 P003	014	
005	SPIRE SMEC Drv Sense (R) . Sen-		SMG.S -		S336	TS2CC-28	6				HSSVMCB3	27	312300 P003	024	
023	SPIRE SMEC Drv Sense (R) . SHD06		SMG.S -		S336	TS2CC-28	6		CS-S336		HSSVMCB3	27	312300 P003	023	
-															
007	SPIRE SMEC PosSeLEDpwr(R) . S		SMH.S -		S337	TS2CC-28	7				HSSVMCB3	27	312300 P003	009	
008	SPIRE SMEC PosSeLEDpwr(R) . R		SMH.S -		S337	TS2CC-28	7				HSSVMCB3	27	312300 P003	002	
026	SPIRE SMEC PosSeLEDpwr(R) . SHD07		SMH.S -		S337	TS2CC-28	7		CS-S337		HSSVMCB3	27	312300 P003	003	
-															
027	SPIRE SMEC PosSensPwr(R) . S		SMH.S -		S338	TS2CC-28	8				HSSVMCB3	27	312300 P003	011	
028	SPIRE SMEC PosSensPwr(R) . R		SMH.S -		S338	TS2CC-28	8				HSSVMCB3	27	312300 P003	004	
009	SPIRE SMEC PosSensPwr(R) . SHD08		SMH.S -		S338	TS2CC-28	8		CS-S338		HSSVMCB3	27	312300 P003	010	
-															
010	SPIRE SMEC PosPhDi#1(R) . I+		SMJ.S -		S339	TS2CC-28	9				HSSVMCB3	27	312300 P003	018	
011	SPIRE SMEC PosPhDi#1(R) . I-		SMJ.S -		S339	TS2CC-28	9				HSSVMCB3	27	312300 P003	019	
029	SPIRE SMEC PosPhDi#1(R) . SHD09		SMJ.S -		S339	TS2CC-28	9		CS-S339		HSSVMCB3	27	312300 P003	029	
-															
030	SPIRE SMEC PosPhDi#1FB(R) . S		SMK.S -		S340	TS2CC-28	10				HSSVMCB3	27	312300 P003	056	
031	SPIRE SMEC PosPhDi#1FB(R) . R		SMK.S -		S340	TS2CC-28	10				HSSVMCB3	27	312300 P003	055	
012	SPIRE SMEC PosPhDi#1FB(R) . SHD10		SMK.S -		S340	TS2CC-28	10		CS-S340		HSSVMCB3	27	312300 P003	044	
-															
013	SPIRE SMEC PosPhDi#2(R) . I+		SMJ.S -		S341	TS2CC-28	11				HSSVMCB3	27	312300 P003	042	
014	SPIRE SMEC PosPhDi#2(R) . I-		SMJ.S -		S341	TS2CC-28	11				HSSVMCB3	27	312300 P003	041	
032	SPIRE SMEC PosPhDi#2(R) . SHD11		SMJ.S -		S341	TS2CC-28	11		CS-S341		HSSVMCB3	27	312300 P003	030	2S
-															

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P018**Function / Bundle:** FCU SMEC Contr SIH-XS-13**Conn.-Type:** 3401-00201B-DCMA-37P-NMB**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
033	SPIRE SMEC PosPhDi#2FB(R) . S		SMK.S -		S342	TS2CC-28	12				HSSVMCB3	27	312300 P003	034	
034	SPIRE SMEC PosPhDi#2FB(R) . R		SMK.S -		S342	TS2CC-28	12				HSSVMCB3	27	312300 P003	033	
015	SPIRE SMEC PosPhDi#2FB(R) . SHD12		SMK.S -		S342	TS2CC-28	12		CS-S342		HSSVMCB3	27	312300 P003	045	2S
-															
016	SPIRE SMEC PosPhDi#3(R) . I+		SMJ.S -		S343	TS2CC-28	13				HSSVMCB3	27	312300 P003	020	
017	SPIRE SMEC PosPhDi#3(R) . I-		SMJ.S -		S343	TS2CC-28	13				HSSVMCB3	27	312300 P003	021	
035	SPIRE SMEC PosPhDi#3(R) . SHD13		SMJ.S -		S343	TS2CC-28	13		CS-S343		HSSVMCB3	27	312300 P003	031	
-															
036	SPIRE SMEC PosPhDi#3FB(R) . S		SMK.S -		S344	TS2CC-28	14				HSSVMCB3	27	312300 P003	058	
037	SPIRE SMEC PosPhDi#3FB(R) . R		SMK.S -		S344	TS2CC-28	14				HSSVMCB3	27	312300 P003	057	
018	SPIRE SMEC PosPhDi#3FB(R) . SHD14		SMK.S -		S344	TS2CC-28	14		CS-S344		HSSVMCB3	27	312300 P003	046	
-															
CH	to be con to Inner Overall Shield (IOS)			-											2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S
-															
-	4 pins are NC								The following Pins are NC :						2S
-									;006 ;019 ;024 ;025						2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P020

Function / Bundle: FCU BSM SIH-XS-13

Conn.-Type: 3401-00201B-DCMA-37P-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE ChopSensor1&2(R) . 1		SBA.S -		S313	TS2CC-28	23				HSSVMCB3	27	312300 P003	051	
020	SPIRE ChopSensor1&2(R) . 2		SBA.S -		S313	TS2CC-28	23				HSSVMCB3	27	312300 P003	040	
022	SPIRE ChopSensor1&2(R) . SHD23		SBA.S -		S313	TS2CC-28	23			CS-S313	HSSVMCB3	27	312300 P003	039	
-															
002	SPIRE ChopSensor3-5(R) . 3		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	028	
021	SPIRE ChopSensor3-5(R) . 4		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	017	
003	SPIRE ChopSensor3-5(R) . 5		SBB.S -		S314	TS3CC-28	24				HSSVMCB3	27	312300 P003	016	
022	SPIRE ChopSensor3-5(R) . SHD24		SBB.S -		S314	TS3CC-28	24			CS-S314	HSSVMCB3	27	312300 P003	027	2S
-															
004	SPIRE JiggleSensor1&2(R) . 1		SBA.S -		S315	TS2CC-28	25				HSSVMCB3	27	312300 P003	049	
023	SPIRE JiggleSensor1&2(R) . 2		SBA.S -		S315	TS2CC-28	25				HSSVMCB3	27	312300 P003	050	
022	SPIRE JiggleSensor1&2(R) . SHD25		SBA.S -		S315	TS2CC-28	25			CS-S315	HSSVMCB3	27	312300 P003	038	
-															
005	SPIRE JiggleSensor3-5(R) . 3		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	015	
024	SPIRE JiggleSensor3-5(R) . 4		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	025	
006	SPIRE JiggleSensor3-5(R) . 5		SBB.S -		S316	TS3CC-28	26				HSSVMCB3	27	312300 P003	037	
025	SPIRE JiggleSensor3-5(R) . SHD26		SBB.S -		S316	TS3CC-28	26			CS-S316	HSSVMCB3	27	312300 P003	026	
-															
013	SPIRE BSMLatchDrive(R) . SUP		SBF.S -		S320	TS2CC-28	27				HSSVMCB3	27	312300 P003	105	
014	SPIRE BSMLatchDrive(R) . RTN		SBF.S -		S320	TS2CC-28	27				HSSVMCB3	27	312300 P003	115	
033	SPIRE BSMLatchDrive(R) . SHD27		SBF.S -		S320	TS2CC-28	27			CS-S320	HSSVMCB3	27	312300 P003	106	
-															
015	SPIRE ChopMotDrive(R) . 1		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	072	
034	SPIRE ChopMotDrive(R) . 2		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	061	
016	SPIRE ChopMotDrive(R) . 3		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	062	
035	SPIRE ChopMotDrive(R) . 4		SBG.S -		S321	TS4CC-28	28				HSSVMCB3	27	312300 P003	074	
017	SPIRE ChopMotDrive(R) . SHD28		SBG.S -		S321	TS4CC-28	28			CS-S321	HSSVMCB3	27	312300 P003	073	2S
-															
036	SPIRE JiggleMotDrive(R) . 1		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	083	
018	SPIRE JiggleMotDrive(R) . 2		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	095	
037	SPIRE JiggleMotDrive(R) . 3		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	096	
019	SPIRE JiggleMotDrive(R) . 4		SBG.S -		S322	TS4CC-28	29				HSSVMCB3	27	312300 P003	085	
017	SPIRE JiggleMotDrive(R) . SHD29		SBG.S -		S322	TS4CC-28	29			CS-S322	HSSVMCB3	27	312300 P003	084	
-															

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness) **SPIRE**

Doc. No. : HP-2-ASED-IC-0016
Issue : 3.0 Date : 27.02.2009
Sheet : 591 (of 599)

Connector: 122200 P020
Item: HSFCU

Function / Bundle: FCU BSM SIH-XS-13

Conn.-Type: 3401-00201B-DCMA-37P-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
022	Shield Interconnection Star Pin									Star Pin for Shield Intercon					2S
025	to be con to pin 022														2S
-															2S
CH	to be con to Inner Overall Shield (IOS)			-											2S
-															2S
CH	to be con to Outer Overall Shield (OOS)														2S
-															2S
-	13 pins are NC									The following Pins are NC :					2S
-	-									;007 ;008 ;009 ;010 ;011 ;012 ;026 ;027 ;028 ;029 ;030 ;031 ;032					2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P022**Function / Bundle:** FCU Thermometry C SIH-XS-13**Conn.-Type:** 3401-00201B-DAMA-15P-NMB**Item:** HSFCU**Backshell:** 550 T 001 M 2 02

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
001	SPIRE BSMTemp(R) . I+	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	086	
002	SPIRE BSMTemp(R) . I-	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	087	
009	SPIRE BSMTemp(R) . V+	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	097	
010	SPIRE BSMTemp(R) . V-	SBC.S	-		S317	TS4CC-28	1				HSSVMCB3	27	312300 P003	098	
003	SPIRE BSMTemp(R) . SHD01	SBC.S	-		S317	TS4CC-28	1			CS-S317	HSSVMCB3	27	312300 P003	075	
-															
004	SPIRE SMECTemp(R) . I+	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	088	
005	SPIRE SMECTemp(R) . I-	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	089	
011	SPIRE SMECTemp(R) . V+	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	099	
012	SPIRE SMECTemp(R) . V-	SMC.S	-		S329	TS4CC-28	2				HSSVMCB3	27	312300 P003	100	
013	SPIRE SMECTemp(R) . SHD02	SMC.S	-		S329	TS4CC-28	2			CS-S329	HSSVMCB3	27	312300 P003	077	
-															
006	SPIRE SMEC/SOB I/FTmp(R) (#13) . I+	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	054	
007	SPIRE SMEC/SOB I/FTmp(R) (#13) . I-	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	053	
014	SPIRE SMEC/SOB I/FTmp(R) (#13) . V+	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	065	
015	SPIRE SMEC/SOB I/FTmp(R) (#13) . V-	SMC.S	-		S330	TS4CC-28	3				HSSVMCB3	27	312300 P003	064	
008	SPIRE SMEC/SOB I/FTmp(R) (#13) . SHD03	SMC.S	-		S330	TS4CC-28	3			CS-S330	HSSVMCB3	27	312300 P003	076	
-															
CH	to be con to Inner Overall Shield (IOS)		-												2S
-															
CH	to be con to Outer Overall Shield (OOS)														2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P030

Function / Bundle: FCU SMEC Launch SIH-XS-13

Conn.-Type: 3401-00201B-DCMA-37S-NMB

Item: HSFCU

Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
008	SPIRE SMECLL#1Pwr1/A(R) . S1		SMF.S -		S325	TS2CC-28	16				HSSVMCB3	27	312300 P003	067	2S
027	SPIRE SMECLL#1Pwr1/A(R) . R1		SMF.S -		S325	TS2CC-28	16				HSSVMCB3	27	312300 P003	066	2S
020	SPIRE SMECLL#1Pwr1/A(R) . SHD16		SMF.S -		S325	TS2CC-28	16		CS-S325		HSSVMCB3	27	312300 P003	078	
-															
009	SPIRE SMECLL#1Pwr2/B(R) . S2		SMF.S -		S326	TS2CC-28	17				HSSVMCB3	27	312300 P003	069	2S
028	SPIRE SMECLL#1Pwr2/B(R) . R2		SMF.S -		S326	TS2CC-28	17				HSSVMCB3	27	312300 P003	068	2S
003	SPIRE SMECLL#1Pwr2/B(R) . SHD17		SMF.S -		S326	TS2CC-28	17		CS-S326		HSSVMCB3	27	312300 P003	080	2S
-															
010	SPIRE SMECLL#2Pwr1/A(R) . S1		SMF.S -		S327	TS2CC-28	18				HSSVMCB3	27	312300 P003	090	2S
029	SPIRE SMECLL#2Pwr1/A(R) . R1		SMF.S -		S327	TS2CC-28	18				HSSVMCB3	27	312300 P003	091	2S
023	SPIRE SMECLL#2Pwr1/A(R) . SHD18		SMF.S -		S327	TS2CC-28	18		CS-S327		HSSVMCB3	27	312300 P003	079	
-															
011	SPIRE SMECLL#2Pwr2/B(R) . S2		SMF.S -		S328	TS2CC-28	19				HSSVMCB3	27	312300 P003	092	2S
030	SPIRE SMECLL#2Pwr2/B(R) . R2		SMF.S -		S328	TS2CC-28	19				HSSVMCB3	27	312300 P003	093	2S
006	SPIRE SMECLL#2Pwr2/B(R) . SHD19		SMF.S -		S328	TS2CC-28	19		CS-S328		HSSVMCB3	27	312300 P003	081	
-															
013	SPIRE SMECLVDTPriCIPw(R) . P		SMA.S -		S331	TS2CC-28	20				HSSVMCB3	27	312300 P003	101	
014	SPIRE SMECLVDTPriCIPw(R) . N		SMA.S -		S331	TS2CC-28	20				HSSVMCB3	27	312300 P003	102	
032	SPIRE SMECLVDTPriCIPw(R) . SHD20		SMA.S -		S331	TS2CC-28	20		CS-S331		HSSVMCB3	27	312300 P003	112	
-															
015	SPIRE SMECLVDTSCI#1Sg(R) . P		SMB.S -		S332	TS2CC-28	21				HSSVMCB3	27	312300 P003	127	
016	SPIRE SMECLVDTSCI#1Sg(R) . N		SMB.S -		S332	TS2CC-28	21				HSSVMCB3	27	312300 P003	120	
034	SPIRE SMECLVDTSCI#1Sg(R) . SHD21		SMB.S -		S332	TS2CC-28	21		CS-S332		HSSVMCB3	27	312300 P003	128	2S
-															
017	SPIRE SMECLVDTSCI#2Sg(R) . P		SMB.S -		S333	TS2CC-28	22				HSSVMCB3	27	312300 P003	114	
018	SPIRE SMECLVDTSCI#2Sg(R) . N		SMB.S -		S333	TS2CC-28	22				HSSVMCB3	27	312300 P003	113	
036	SPIRE SMECLVDTSCI#2Sg(R) . SHD22		SMB.S -		S333	TS2CC-28	22		CS-S333		HSSVMCB3	27	312300 P003	121	
-															
007	SPIRE SMECLL1PwrA-R (LPU) . SUP		SMF.E -		SLU2	TS2CC-26	23	LU2-1			HSFCU	17	122200 P044	004	2S 2S 2S
026	SPIRE SMECLL1PwrA-R (LPU) . RTN		SMF.E -		SLU2	TS2CC-26	23	LU2-1			HSFCU	17	122200 P044	008	2S 2S 2S
020	SPIRE SMECLL1PwrA-R (LPU) . SHD23		SMF.E -		SLU2	TS2CC-26	23	LU2-1	CS-SLU2-1		HSFCU	17	122200 P044	003	2S 2S 2S
-															2S
001	SPIRE SMECLL1PwrA-R (LPU) . P		SMF.E -		SLU2	TS2CC-26	24	LU2-2			HSFCU	17	122200 P044	002	2S 2S 2S
002	SPIRE SMECLL1PwrA-R (LPU) . N		SMF.E -		SLU2	TS2CC-26	24	LU2-2			HSFCU	17	122200 P044	007	2S 2S 2S

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P030**Function / Bundle:** FCU SMEC Launch SIH-XS-13**Conn.-Type:** 3401-00201B-DCMA-37S-NMB**Item:** HSFCU**Backshell:** CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
020	SPIRE SMECLL1PwrA-R (LPU) . SHD24		SMF.E	-	SLU2	TS2CC-26	24	LU2-2	CS-SLU2-2	HSFCU	17	122200 P044	003	2S 2S 2S	
-														2S	
CH	to be con to Inner Overall Shield (IOS)			-										2S	
-															
CH	to be con to Outer Overall Shield (OOS)								from 312300P003					2S	
-														2S	
CH	to be con to Outer Overall Shield (OOS)								from 122200P044					2S	
-														2S	
007	interconnection Star Pin								Star Pin for interconnection					2S	
008	to be con to pin 007													2S	
009	to be con to pin 007													2S	
010	to be con to pin 007													2S	
011	to be con to pin 007													2S	
-														2S	
026	Interconnection Star Pin								Star Pin for Interconnection					2S	
027	to be con to pin 026													2S	
028	to be con to pin 026													2S	
029	to be con to pin 026													2S	
030	to be con to pin 026													2S	
-														2S	
001	interconnection Star Pin								Star Pin for Interconnection					2S	
004	to be con to pin 001													2S	
021	to be con to pin 001													2S	
024	to be con to pin 001													2S	
-														2S	
002	Interconnection Star Pin								Star Pin for Interconnection					2S	
005	to be con to pin 002													2S	
022	to be con to pin 002													2S	
025	to be con to pin 002													2S	
-														2S	
020	Shield Interconnection Star Pin								Star Pin for Shield Intercon					2S	
003	to be con to pin 020													2S	
006	to be con to pin 020													2S	
023	to be con to pin 020													2S	

Astrium GmbH	Pin Allocation List (Harness) SPIRE	Doc. No. : HP-2-ASED-IC-0016
Project: HERSCHEL		Issue : 3.0 Date : 27.02.2009
		Sheet : 595 (of 599)

Connector: 122200 P030
Item: HSFCU

Function / Bundle: FCU SMEC Launch SIH-XS-13

Conn.-Type: 3401-00201B-DCMA-37S-NMB
Backshell: CA-43-37

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
-	6 pins are NC									The following Pins are NC :					2S
-	-									;012 ;019 ;031 ;033 ;035 ;037					

Pin Allocation List

(Harness)
SPIRE

Connector: 122200 P044**Function / Bundle:** FCU SMEC Launch PrSIH-XS-13**Conn.-Type:** 3401-00201B-DEMA-09S-NMB**Item:** HSFCU**Backshell:** CA-05-09

Pin	Signal Designation	Interface-Code			Ch. ID	Wiring	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.			Shd	Cable	Twist						
004	SPIRE SMECLL1PwrA-R (LPU) . SUP		SMF.E -		SLU2	TS2CC-26	23	LU2-1			HSFCU	17	122200 P030	007	2S 2S 2S
008	SPIRE SMECLL1PwrA-R (LPU) . RTN		SMF.E -		SLU2	TS2CC-26	23	LU2-1			HSFCU	17	122200 P030	026	2S 2S 2S
003	SPIRE SMECLL1PwrA-R (LPU) . SHD23		SMF.E -		SLU2	TS2CC-26	23	LU2-1	CS-SLU2-1		HSFCU	17	122200 P030	020	2S 2S 2S
-															2S
002	SPIRE SMECLL1PwrA-R (LPU) . P		SMF.E -		SLU2	TS2CC-26	24	LU2-2			HSFCU	17	122200 P030	001	2S 2S 2S
007	SPIRE SMECLL1PwrA-R (LPU) . N		SMF.E -		SLU2	TS2CC-26	24	LU2-2			HSFCU	17	122200 P030	002	2S 2S 2S
003	SPIRE SMECLL1PwrA-R (LPU) . SHD24		SMF.E -		SLU2	TS2CC-26	24	LU2-2	CS-SLU2-2		HSFCU	17	122200 P030	020	2S 2S 2S
-															2S
-	4 pins are NC								The following Pins are NC :						
-									;001 ;005 ;006 ;009						

Pin Allocation List

(Harness)
SPIRE

Connector: 312300 P002**Function / Bundle:** Launch Latch I/F B**Conn.-Type:** 3401-04401B-06G-10-35SN**Item:** HSSVMCB3**Backshell:** 380 FS 007 M 22 04

Pin	Signal Designation	Interface-Code			Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	Changed
		Circuit	Signal	Pos.		Wiring	Shd	Cable						
011	SPIRE BSMLchLtchConf(R) . 1		SBE.S -		S319	TS2CC-28	30			HSSVMCB3	27	312300 P003	108	
001	SPIRE BSMLchLtchConf(R) . 2		SBE.S -		S319	TS2CC-28	30			HSSVMCB3	27	312300 P003	116	
002	SPIRE BSMLchLtchConf(R) . SHD30		SBE.S -		S319	TS2CC-28	30			HSSVMCB3	27	312300 P003	107	
003	to be con to pin 002								CS-S319 / con to pin 003					2S
-														
012	SPIRE SMECLLtch#1 Conf(R) . 1+		SME.S -		S323	TS2CC-28	31			HSSVMCB3	27	312300 P003	117	
004	SPIRE SMECLLtch#1 Conf(R) . 1-		SME.S -		S323	TS2CC-28	31			HSSVMCB3	27	312300 P003	118	
005	SPIRE SMECLLtch#1 Conf(R) . SHD31		SME.S -		S323	TS2CC-28	31			HSSVMCB3	27	312300 P003	109	2S
006	to be con to pin 005								CS-S323 / star pin for pin interconnection					2S
007	to be con to pin 005													2S
-														
013	SPIRE SMECLLtch#2 Conf(R) . 2+		SME.S -		S324	TS2CC-28	32			HSSVMCB3	27	312300 P003	111	
008	SPIRE SMECLLtch#2 Conf(R) . 2-		SME.S -		S324	TS2CC-28	32			HSSVMCB3	27	312300 P003	119	
009	SPIRE SMECLLtch#2 Conf(R) . SHD32		SME.S -		S324	TS2CC-28	32			HSSVMCB3	27	312300 P003	110	
010	to be con to pin 009								CS-S324 / con to pin 010					2S
-														
CH	to be con to Overall Shield													

END OF DOCUMENT

	Name	Dep./Comp.		Name	Dep./Comp.
	Baldock Richard	FAE12		Theunissen Martijn	ASA43
	Barlage Bernhard	AED13		Vascotto Riccardo	HE Space
	Bayer Thomas	ASA42		Wagner Klaus	ASG23
	Brune Holger	ASA45	X	Wietbrock Walter	AET12
	Chen Bing	HE Space		Wöhler Hans	ASG23
	Davis William	Captec		Wössner Ulrich	ASE252
	Edelhoff Dirk	AED21		Zumstein Armin	AED15
	Fehringer Alexander	ASG15			
	Fricke Wolfgang Dr.	AED 65			
	Geiger Hermann	ASA42			
X	Grasl Andreas	OTN/ASA44			
	Grasshoff Brigitte	AET12			
	Hamer Simon	Terma			
	Hanka, Erhard	FI522			
	Hendrikse Jeffrey	HE Space			
	Hendry David	Terma			
	Hengstler Reinhold	ASA42			
	Hinger Jürgen	ASG23			
	Hofmann Rolf	ASE252			
X	Hohn Rüdiger	AED65			
X	Hopfgarten Michael	AET32			
	Huber Johann	ASA42			
X	Hund Walter	ASE252			
X	Idler Siegmund	AED312			
	Ivány von András	FAE12			
	Jahn Gerd Dr.	ASG23	X	ESA/ESTEC	ESA
	Kölle Markus	ASA43	X	Thales Alenia Space Cannes	TAS-F
X	Koppe Axel	AED312		Thales Alenia Space Torino	TAS-I
X	Kroeker Jürgen	AED65			
X	Lang Jürgen	ASE252			
	Langenstein Rolf	AED15		Instruments:	
	Langfermann Michael	ASA41		MPE (PACS)	MPE
	Liberatore Danilo	Rhea	x	RAL (SPIRE)	RAL
	Martin Olivier	Altec		SRON (HIFI)	SRON
	Maukisch Jan	ASA43			
	Much Christoph	ASA43			
	Müller Martin	ASA43		Subcontractors:	
	Pietroboni Karin	AED65		Austrian Aerospace	AAE
	Reichle Konrad	ASA42		Austrian Aerospace	AAEM
	Runge Axel	OTN/ASA44		BOC Edwards	BOCE
	Saal Christoph	External		Dutch Space Solar Arrays	DSSA
X	Schink Dietmar	AED321		EADS Astrium Sub-Subsyst. & Equipment	ASSE
	Schmidt Thomas	AED15		EADS CASA Espacio	CASA
	Schweickert Gunn	ASG23		EADS CASA Espacio	ECAS
X	Sonn Nico	ASG51		European Test Services	ETS
	Steininger Eric	AED321		Patria New Technologies Oy	PANT
X	Stritter Rene	AED11		SENER Ingenieria SA	SEN
	Suess Rudi	OTN/ASA44		Thales Alenia Space, Antwerp	TAS-ETCA