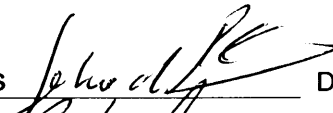
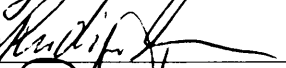


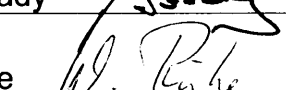


SPIRE-AST-DOC-002334

Title: **Electrical Interface Control Document**
PFM

CI-No:

Prepared by:	G.Peters 	Date:	15.05.02
Checked by:	R.Hohn 		07.06.02
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Distribution: See Distribution List (last page)

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Issue	Date	Sheet	Description of Change	Release
1.0	15.05.02	All	Initial issue for Instrument IIDB Issue 2.0 Rev 0 With CR 10,17,26,30	

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1 Scope

This Interface Control Document (ICD) describes the electrical Interfaces of the HERSCHEL Extended Payload Module and is the generic information source for all electrical interfaces including the 3 Instruments and the CCS (Cryostat Control System).

Interfaces, which are under Experimenter Control (FPU internal Interfaces) or under Service Module Control (Warm Interconnecting Harness and S/C Interfaces), are not part of this Document but particularly listed.

For Information management a database (ACCESS based) called CAIE (Computer Aided Interface Engineering) will be used. The CAIE Data Base contents provides all the necessary Information for a automated Verification of the electrical Interfaces with Integrated Data Acquisition System (IDAS)

System information's for

- System design as harness weight and type
- used amount of Connector types,
- Routing,
- Channel resistance
- etc

will also be derived from this Data Base

By summarising the electrical interfaces within this document, the ICD will allow a crosscheck of the I/F (harness) design from both sides of an interface. By collecting the interface design description the ICD will act as a reference for requirement verification and "third-party" interface design (e.g. electrical harness manufacture).

In this way the HERSCHEL EPLM interfaces will be maintained under control

Actual interface data (as designed/as built), after approval, shall become part of this Interface Control document.

Any change of the ICD contents shall follow the rules of configuration Control

The ICD presents a database about the electrical interfaces of the Extended Payload Module and its GSE. Interfaces in this context are all input/output interconnections mated via the ASSED provided EPLM harness. For any such interface the ICD enables a fast identification of the interface harness design, the actually built interface circuits, and the electrical parameters.

Within these features the main purpose of the ICD is:

- to act as a reference data base showing the present interface design (as designed/as built)
- to allow a quick compatibility check of any input/output interface interconnection ("on paper integration")

- to act as a supporting data base for the preparation and performance of the electrical/harness integration (IDAS)
- To facilitate failure investigations in the case of interface problems on EPLM level

The purpose of this document is to reflect the FM manufacturing baseline

Contents of this issue 1.0 reflects the EPLM status as known at the 15 May 2002

2 Document Reference

2.1 General

The data of the below listed documents of the latest effective issue or the issue as defined below, are integrated as a part of this Interface Control Document (ICD)

In the event of conflict between the below listed documents and this ICD, the conflict shall be brought to the attention of the EPLM subcontractor for clarification.

2.2 ESA

Statement of work for the Industrial Activities Phase B, C/D, E1

First/PLANCK Instrument Interface Document IID Part A
SCI-PT-IIDA-04624 Issue 2 Rev 0 Date 01/09/2000

2.3 Service Module Equipment

ALCATEL

HERSCHEL / PLANCK Work Breakdown Structure
H-P-ASPI-WB-0036

HERSCHEL PLM INTERFACE SPECIFICATIONS
HP-2-ASPI IS-0039 Issue 01 Rev 01

HERSCHEL/PLANCK SVM Interface Specification
HP-4-ASPI-IS-0042

GENERAL DESIGN AND INTERTFACE REQUIREMENTS
H-P-1-ASPI-SP-0027 Issue 03 Rev .0

2.4 Instrument Equipment

2.4.1 General

ESA

HERSCHEL/PLANCK Instrument Interface Document IID Part A
SCI-PT-IIDA-04624 Issue 2 Rev 0 Date 01/09/2000

(to be update to Rev)

2.4.2 HIFI

ESA

HERSCHEL/PLANCK INSTRUMENT INTERFACE DOCUMENT Part B
INSTRUMENT "HIFI"

SCI-PT-IIDB/HIFI-02125 Issue 2 Rev 0

(to be updated to Rev....)

MPIfR

LOU-LCU Harness Specification

MPIfR/HIFI/SP/2001-242 Draft 1.0 11 July 2001

LO Sub-System External Interfaces

MPIfR/HIFI/SP/2001-240 Draft 1.0 15 Marc 2001

Waveguides between the LSU and the LOU

MPIfR/HIFI/SP/2001-240 Draft 1.0 15 March, 2001

Interface Control Document

SRON-G/HIFI/SP/1999-001 Issue 3 20 Sep 01

Mechanical Interface Drawings

FPU tbd

LCU tbd

LSU tbd

FCU tbd

HRS tbd

WBE tbd

WBOH tbd

ICU tbd

SCOE TBD

Change Requests

H-P-HIFI-CR-0026 27 Feb 2002

H-P-HIFI-CR-0033 25 Feb 2002

2.4.3 SPIRE

ESA

HERSCHEL/PLANCK INSTRUMENT INTERFACE DOCUMENT Part B
INSTRUMENT "SPIRE"
SCI-PT-IIDB/HIFI-02124 Issue 2 Rev 0
(to be updated to Rev....)

CLRC

HERSCHEL SPIRE HARNESS DEFINITION
SPIRE-RAL-PRJ-000608 Issue:0.9
SPIRE INSTRUMENT BLOCK DIAGRAM
SPIRE-RAL-DWG-000646 Issue:4.2

Mechanical Interface Drawings

FPU tbd

FCU tbd

DCU tbd

DPU tbd

JFETP tbd

JFETS tbd

SCOE tbd

Change Requests

H-P-HIFI-CR- tbd

2.4.4 PACS

ESA

HERSCHEL/PLANCK INSTRUMENT INTERFACE DOCUMENT Part B
INSTRUMENT "PACS"
SCI-PT-IIDB/HIFI-02126 Issue 2 Rev 0

MPIfA

PACS Cryo Harness Specification
PACS-MA-SP-001 Issue: Draft 12/03/2001

SCOE TBD

Mechanical I/F Drawings

Change Requests

2.5 CSS Equipment

CCU Specification tbd

CCU SCOE tbd

CCU I/F Control Document

CCU Harness Design Document/Spec

Cryostat SCOE tbd

2.6 Harness Equipment

HERSCHEL CRYO Harness Procurement Specification

HP-2-ASED -PS-0024

Statement of Work for HERSCHEL Cryo Harness

HP-2-ASED-SW-0016

2.7 EGSE Equipment

EPLM EGSE Specification tbd

EGSE I/F Control Document

EGSE Harness Design Document /Spec

3 How to use this Document

The EICD comprises the following generic Reports from a database called CAIE_Ac97_v1_49.mdb and LDB

- HERSCHEL Subsystem List (Mechanical and electrical) SSL
- HERSCHEL Item List (Mechanical and Electrical) with Support Equipment IL
- Item Location Code
- EMC Category and Sub Harness Type (Harness separation) EML
- Cable Type and Characteristic List (used cable) CDT
- Cable Characteristic List CCL
- Connector Type List (used connectors) CTL
- Signal Type List STL
- Interface Type List (Common type of interfaces) ICT
- Connector Allocation List CAL
- Functional Channel Allocation List tbd FAL
- Functional Interfaces (Channels) tbd
- Drawings of Interfaces (from to) tbd
- Routing Information (via feed through and brackets, length) tbd
- Pin Allocation List PAL
- Drawing of pin allocation in connector tbd
- Supporting Information
 - Harness Weight according sort criteria
 - Connector weight according sort criteria
 - Used Connector Types
 - Harness/Channel Bundling
 - Information as requested sorted by tbd

After freeze of supporting data only an extract of that database will be used to update the information

This database is called HP-2-ASED-IC-0001 with the according Version No.

The Reports from that database will be

Connector Reference List (ICL)

(Allocated Item, Function, Connector Type, belonging to Harness Cat

Connector Allocation list (CAL)

(Channel Allocation with wiring type and target connector)

Functional Channel Allocation (FAL)

(Source Connector, Channel Information, Wiring, Routing, Target Connector)

Item Listing (IL)

Pin Allocation Connector oriented (PAL)

Used Signal Types with Interfaces (STL)

tbd

4 Subsystem Lists

4.1 General

In this List all the mechanical and electrical Subsystems of the HERSCHEL Project are identified

This includes the HERSCHEL/PLANCK system, the HERSCHEL System, the HERSCHEL Service Module, the (Extended) Payload Module, the Engineering Qualification Mode as well as the mechanical and electrical support Systems like MGSE, EGSE and SCOE's.

The List in general reflects the Work Breakdown Structure HP-1-ASPI-WB-0036, the Product Tree HP-1-ASPI-PT-0012 and the CI Tree from the Company CM2000 System

4.2 Subsystem Listing

S/S-Code	Abbreviation	Subsystem Name
000	H/P	Herschel/Plank System
010	H	Herschel Satellite
020	P	Planck Satellite
100	CFE ITEMS	Herschel CFE Items
110	HIFI	Herschel HIFI Instrument
120	SPIRE	Herschel SPIRE Instrument
130	PACS	Herschel PACS Instrument
140	HTL	Herschel Telescope
145	H	Herschel Telescope GSE
200	EPLM	Herschel Ext.Payl.Module
210	PLM	Herschel Payload Module
211	CSS	Cryostat Structure S/S
212	CHS	Cryostat Helium S/S
213	CIS	Cryostat Insulation S/S
214	CES	Cryostat Electrical S/S
215	ISS	Instrument Secondary Structure
220	TMS	Telescope Module
222	TMS	Delete
230	HSS	Sunshield & Sunshade
231		Sunshield/Sunshade Structure
232		Solar Power Generator
233		Thermal Control
234		Delete
240	PLMSVM IF	PLM/SVM Interface Structure
300	SVM	SVM
310	SVM CB	SVM Connector Bracket
311	HIFISVMCB	HIFI SVM Connector Bracket
312	SPIRESVMCB	SPIRE SVM Connector Bracket

S/S-Code	Abbreviation	Subsystem Name
313	PACSSVMCB	PACS SVM Connector Bracket
314	CCSSVMCB	CCS SVM Con Bracket
315	EGSE CB	EGSE Con Bracket
321		SVM Thermal Shield
322		SVM Thermal Shield MLI
400	SAT GSE	Satellite GSE
410	S/C GSE	S/C GSE
411	S/C MGSE	S/C MGSE
412	S/C EGSE	S/C EGSE
413	S/C CVSE	see EPLM S/C CVSE
414	S/C OGSE	see EPLM S/C OGSE
420	EPLM GSE	EPLM GSE
421	EPLM MGSE	EPLM MGSE
422	EPLM EGSE	EPLM EGSE
423	EPLM CVSE	EPLM CVSE
424	EPLM OGSE	EPLM OGSE
42	MTD	Mass Thermal Dummies
426	TBD	Mockups
427	CTA	Cryo Test Adapter PFM
428	TBD	Miscellaneous
500	EQM PLM	Eng Qual Payload Module
510	EQM CSS	Eng Qual Cryo Struct Subsynt
511	EQM CVV	Eng Qual Cryo Vac Vessel
512	EQM TSS	Eng Qual Tank Sup Spa Frame
513	EQM IOB	Eng Qual Instr. Opt Bench
520	EQM CHS	Eng Qual Cryst Helium S/S
521	EQM H2T	Eng Qual Helium 2 Tank
522	EQM HRD	Eng Qual Helium Rup Disk
523	EQM LHV	Eng Qual Liquid Helium Valv
524	EQM HST	Eng Qual Helium Sys Tubing
525	EQM HOT	Eng Qual Helium 1 Tank
526	EQM HSE	Eng Qual Helium Sys Equipm.
530	EQM CI	Eng Qual Cryost. Insulation
531	EQMULTHS	Eng Qual Up & lower Ther. Shd
532	EQMOBBPS	Eng Qual OB & Beam Patt. Shd
533	EQM LFBF	Eng Qual LO Beam Feed Baff
534	EQMCRYMLI	Eng Qual Cryostat MLI
540	EQM CES	Eng Qual Cryost Electr. S/S
541	EQMCCU	Eng Qual Cryost Contr Elect
542	EQM CCI	Eng Qual Cryost. Contr. Instr
543	EQM CCH	Eng Qual PLM Harness
550	EQM ISS	Eng Qual instr. Sec Struct.
551	EQM BOL SS	Eng Qual BOLA Sup Struct

S/S-Code	Abbreviation	Subsystem Name
552	EQM LOU SS	Eng Qual LOU Sup Struct
553	EQM WU SS	Eng Qual Warm Unit Sup Struct
554	EQM ITC	Eng Qual Inst Therm Connecotrs
560	EQM GSE	Eng Qual GSE
561	EQM EGSE	Eng Qual EGSE
562	EQM MGSE	Eng Qual MGSE
563	EQM CVSE	Eng Qual CVSE
564	EQM TESTFA	Eng Qual Test Facility

5 Item List

5.1 General

In order to standardise the subsystem/experiment item identification for electrical interfaces the acronyms as defined in the list below shall be used for item identification within electrical ICD's. This item code identifies each item unequivocally. The item code consists of six digits. The first three digits identify the subsystem (see before), the last three digits identify the item within the subsystem. This includes all mechanical and electrical items in a subsystem (Self-standing parts like Electronic Boxes, brackets etc). Following the PTI the item list contains the same code without the prominent one from the PTI list (under investigation). Items for the EQM are not listed at the moment and not foreseen in this database tbd

Product Identifier

The following numbering system is allocated to the electrical items in the HERSCHEL EPLM system

1xx xxx	HERSCHEL Instruments
2xx xxx	HERSCHEL Extended Payload Module
3xx xxx	HERSCHEL Service Module
4xx xxx	HERSCHEL GSE
5xx xxx	HERSCHEL EQM
11x xxx	HIFI Instrument
12x xxx	SPIRE Instrument
13x xxx	PACS Instrument
xx1 xxx	Items inside the cryostat and on the CVV (Cold Units)
xx2 xxx	Items on the SVM Panels (Warm Units)

For mechanical Items this schematic is not foreseen at the moment

xxx yyy	unique item identification code
---------	---------------------------------

Abreviation

Self explaining Abbreviation for the item

H= HERSCHEL

HH = HERSCHEL HIFI

etc

Item Name

The item name is the more explaining name of the item (then the Abbreviation)

Subsystem

The Subsystem Code (first 3 digits) allocates the item to a subsystem

Abbreviation

Short Code of the Subsystem to which the item belongs

M, E, X

The items will be distinctive according

- only mechanical function M
- item with electrical function E
- isolation function I
- Superordinate System -
- tbd x

Location

The location code will be explained in the chapter xx

5.2 Item List from Datasheet

(to be updated for mechanical items!)

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
-----------	-----------------	-----------	--------	----------------	--------	------

Higher Level S/C (Item Code: 00*) not in Database

00000	H/P	Herschel/Plank System	000	H/P	-	HLS
000010	H	Herschel Satellite	010	H	-	HLS

HERSCHEL Instruments (Item Code: 10*)

100000	HIS	Herschel Scientific Instruments	100	SVM	E	INS
--------	-----	---------------------------------	-----	-----	---	-----

HERSCHEL HIFI (Item Code: 11*)

110000	HIFI	HIFI Units	110	HIFI	E	INS
111000	HHICVV	HIFI Cryostat Units (cold)	111	HIFI	E	70
111100	HHFPU	HIFI Focal Plane Unit	111	HIFI	E	73
111200	HHLOU	HIFI LOU (outs. Cryost.)	111	HIFI	E	44
111300	HHLOUR	HIFI LOU Radiator (outs. Cryost)	111	HIFI	-	44
111400	HHLWU	HIFI LOU Waveguide (outs. Cryost)	111	HIFI	E	E2
112000	HHSVM	HIFI Units on SVM (warm)	112	HIFI	E	SVM
112100	HHLCU	HIFI Local Oscillator Control Unit	112	HIFI	E	16
112200	HHLSU	HIFI Local Oscillator Synth Unit	112	HIFI	E	15
112300	HHFCU	HIFI Focal Plane Control Unit Warm	112	HIFI	E	16
112400	HHHRS	HIFI High Res Spec Units	112	HIFI	E	INS
112410	HHHRH	HIFI High Res Spec Horizontal	112	HIFI	E	15
112420	HHHRV	HIFI High Res Spec Vertical	112	HIFI	E	15
112500	HHWBS	HIFI Wide Band Spectrometer Units	112	HIFI	E	INS
112510	HHWEH	HIFI WB Spec Elec Horizontal	112	HIFI	E	16
112520	HHWEV	HIFI WB Spec Elec Vertical	112	HIFI	E	16
112530	HHWOH	HIFI WB Spec Optics Horizontal	112	HIFI	E	16
112540	HHWOV	HIFI WB Spec Optics Vertical	112	HIFI	E	16
112600	HHICU	HIFI Instrument Control Unit	112	HIFI	E	16
112700	HH3DH	3 db Coupler Horizontal	112	HIFI	E	16
112800	HH3DV	3 dB Coupler Vertical	112	HIFI	E	16
113000	HHFS	HIFI Flight Spares	110	HIFI	-	INS
115000	HHGSE	HIFI Instrument GSE	115	HIFI	E	GSE
115100	HHMGSE	HIFI MGSE	115	HIFI	-	GSE
115110	HHUTC	HIFI Unit Transport Containers	115	HIFI	M	GSE
115200	HHEGSE	HIFI EGSE	115	HIFI	-	GSE
117000	HHWSVMIH	HIFI Harness	117	HIFI	E	15
117100	HHCHARN	HIFI CVV Internal Harn. (C)	117	HIFI	-	73

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
117200	HHIHARN	HIFI CVV Ext. Harness (I)	117	HIFI	-	INS
117300	HHHHARN	SVMCB- Warm Units Harn (W)	117	HIFI	-	20
117400	HHWIBH	HIFI Panel Warm Interc. Harn. (WIH)	117	HIFI	E	15
117900	HHCOHARN	HIFI Ceck Out Harness (T) ?	117	HIFI	E	HAR

HERSCHEL SPIRE (Item Code: 12*)

120000	SPIRE	SPIRE Units	12	SPIRE	-	INS
121000	SPIRE C UN	SPIRE Cryostat Units (cold)	121	SPIRE	E	INS
121100	HSFPU	SPIRE Focal Plane Unit	121	SPIRE	E	77
121110	HS SLW BDA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121120	HS SSW BDA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121130	HS PLW BDA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121140	HS PMW BDA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121150	HS PSW BDA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121160	HS SCO	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121170	HS SCAL	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121180	HS PCAL	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
121190	HS SMEC	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211A0	HS FPU FA	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211B0	HS FPU FB	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211C0	HS FPU FC	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211D0	HS FPU FD	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211E0	HS FPU FE	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211F0	HS FPU FF	SPIRE FPU (Instr. Intern)	121	SPIRE	E	77
1211G0	HS PTC	SPIRE Photom. Control HW	121	SPIRE	E	72
1211H0	HS BSM	SPIRE Beam Stearing Mirror	121	SPIRE	E	70
1211I0	HSTERM	SPIRE Thermistors	121	SPIRE	-	77
121200	HSJFET	SPIRE JFET Box	121	SPIRE	-	INS
121210	HSJFP	SPIRE JFET Box Photometer	121	SPIRE	E	75
121220	HSJFS	SPIRE JFET Box Spectrometer	121	SPIRE	E	76
121300	HSICHARN	SPIRE Instrument Cryo Harness	121	SPIRE	E	7
121400	HS SHUT	SPIRE FPU Shutter	121	SPIRE	E	77
121500	HS C HARN	SPIRE Cryogenic Harness (C)	121	SPIRE	E	77
121600	HS I HARN	SPIRE CVV Int Harness (I)	121	SPIRE	E	80
122000	SPIRE W UN	SPIRE Units on SVM (warm)	122	SPIRE	E	SVM
122100	HSDPU	SPIRE Dig Proc Unit	122	SPIRE	E	17
122200	HSFCU	SPIRE Focal Plane Control Unit	122	SPIRE	E	17
122300	HSDCU	SPIRE Det. Readout & Control Unit	122	SPIRE	E	17
123000	HSFS	SPIRE Flight Spares	120	SPIRE	-	INS

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
125000	HSGSE	SPIRE Instrument GSE	125	SPIRE	E	GSE
125100	HSMGSE	SPIRE MGSE	125	SPIRE	M	GSE
125110	HSUTC	SPIRE Unit Transport Containers	125	SPIRE	M	GSE
125120	HSJIGS	SPIRE Instr Integ. Jigs	125	SPIRE	M	INS
125200	H SOGSE	SPIRE OGSE	125	SPIRE	-	INS
125210	HSALIGN	SPIRE Alignment	125	SPIRE	-	INS
125300	HSEGSE	SPIRE EGSE	125	SPIRE	-	GSE
127000	HS W HARN	SPIRE Harness	127	SPIRE	E	17
127100	HSCHARN	SPIRE CVV Internal Harness (C)	127	SPIRE	-	77
127200	HSIHARN	SPIRE CVV Ext.Harn (I)	127	SPIRE	-	INS
127300	HSSHARN	SPIRE SVMCB to Warm Units (2S)	127	SPIRE	-	27
127400	HS S HARN	SPIRE PanelWarm Interc. Harn (W))	127	SPIRE	E	27
127900	HSCOHARN	SPIRE Ceck Out Harness (T)	127	SPIRE	E	GSE

HERSCHEL PACS (Item Code: 13*)

130000	PACS	PACS Units	13	PACS	E	INS
131000	PACS C UN	PACS Cryostat Units (Cold)	131	PACS	E	70
131100	HPFPU	PACS Focal Plane Unit	131	PACS	E	77
131110	HPTEMPS I	PACS FPU Temp Sensors (Instr Int)	131	PACS	E	77
131111	HPFPUT1	PACS FPU Temp. Sensor 1 (Instr Int)	131	PACS	E	77
131112	HPFPUT2	PACS FPU Temp. Sensor 2 (Instr Int)	131	PACS	E	77
131113	HPFPUT3	PACS FPU Temp. Sensor 3 (Instr Int)	131	PACS	E	77
131114	HPFPUT4	PACS FPU Temp. Sensor 4 (Instr Int)	131	PACS	E	77
131120	HPCALS	PACS FPU Calib. Sources (Instr Int)	131	PACS	E	77
131121	HPCALS1	PACS FPU Calibr Source1 (Instr Int)	131	PACS	E	77
131122	HPCALS2	PACS FPU Calibr Source2 (Instr Int)	131	PACS	E	77
131130	HPCHOP	PACS FPU Chopper	131	PACS	E	77
131131	HPFPUCHIF	PACS FPU Chopper I/F (Instr Int)	131	PACS	-	77
131140	HPFWHR	PACS FPU Filter Wheels	131	PACS	E	77
131141	HPFWHR1	PACS FPU Filter Wheels1 (Instr Int)	131	PACS	E	77
131142	HPFWHR2	PACS FPU Filter Wheels2 (Instr Int)	131	PACS	E	77
131150	HPGRAT	PACS FPU Grating	131	PACS	E	77
131151	HPFPUGRIF	PACS FPU Grat I/F (Instr. Int)	131	PACS	-	77
131160	HPPHOTOM	PACS Photometer	131	PACS	-	77
131161	HPBBOLO	PACS Blue Bolometer (Instr Int)	131	PACS	E	77
131162	HPRBOLO	PACS Red Bolometer (Instr Int)	131	PACS	E	77
131163	HP Cooler	PACS Cooler (Instr. Int)	131	PACS	-	77
131170	HP SPEC	PACS Spectrometer	131	PACS	-	77

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
131171	HPBPHOTO	PACS Blue Photometer (Instr Int)	131	PACS	E	77
131172	HPRPHOTO	PACS Red Photometer (Instr Int)	131	PACS	E	77
131200	HPBOLA	PACS Bolom. Buffer Amp.	131	PACS	E	80
131300	HPBOLR	PACS BOLA Radiator T/C	131	PACS	-	80
132000	PACS W UN	PACS Units on SVM (warm)	132	PACS	E	18
132100	HPDECMEC1	PACS DEC/MEC1/2	132	PACS	E	18
132110	HPMEC1	PACS Mech. Contr. 1 (Nom)	132	PACS	E	18
132120	HPDEC1	PACS Detec. Contr. 1 (Nom)	132	PACS	E	18
132130	HPMEC2	PACS Mech. Contr. 2 (RED)	132	PACS	E	18
132140	HPDEC2	PACS Detec. Contr. 2 (RED)	132	PACS	E	18
132200	HPDECMEC2	PACS DEC/MEC 2 ??	132	PACS	E	18
132300	HPBOLC	PACS Bola/Cooler Contr.	132	PACS	E	18
132400	HPDPU	PACS Data Processing Unit	132	PACS	E	18
132500	HPSPU1	PACS Sig. Proc Unit 1 (NOM)	132	PACS	E	18
132600	HPSPU2	PACS Sig. Proc Unit 2 (RED)	132	PACS	E	18
133000	HPFS	PACS Flight Spares	13	PACS	-	INS
135000	HPGSE	PACS Instrument GSE	135	PACS	-	GSE
135100	HPMGSE	PACS MGSE	135	PACS	M	GSE
135110	HPUTC	PACS Unit Transport Containers	135	PACS	M	GSE
135200	HPEGSE	PACS EGSE	135	PACS	E	GSE
135300	HPOGSE	PACS OGSE	135	PACS	-	GSE
137000	HPWBH	PACS Harness	137	PACS	-	18
137100	HPCHARN	PACS CVV Internal Harn	137	PACS	-	18
137200	HPIHARN	PACS CVV Ext Harn	137	PACS	-	18
137300	HPPHARN	PACS SVMCB-Warm Units	137	PACS	-	18
137400	HPWIH	PACS Panel Warm Interc. Harn. (WIH)	137	PACS	-	18
137900	HPCOHARN	PACS Checkout Harness (T)	137	PACS	-	GSE

HERSCHEL Telescope (Item Code: 14*)

140000	HTL	Herschel Telescope	14	HTL	-	83
141000	HTU	Herschel Telescope Unit	14	HTL	-	83
145000	HTGSE	Telescope GSE	14	HTL	-	GSE
145100	HTCONT	Telescope Container	14	HTL	-	GSE
145200	HTLDV	Telescope Lifting Device	14	HTL	-	GSE
145300	HTPTC	Protective Cover	14	HTL	-	GSE

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affill.	I.Type	Loc.
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EPLM (Item Code: 20*)

200000	EPLM	Extended Payload Module	200	EPLM	-	PLM
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PLM (Item Code: 21*)

210000	PLM	Payload Module	210	PLM	-	PLM
211000	CSS	Cryostat Structure S/S	211	CSS	-	CSS
211100	CVV	Cryostat Vakuum Vessel	211	CSS	-	CSS
211110	CVVUB	CVV Upper Bulkhead	211	CSS	M	E1
211120	CVVCY	CVV Cyllynder	211	CSS	M	30
211121	CVVUCR	Upper Connector Ring	211	CSS	E	30
211122	CVVMCR	Middle Cinnector Ring	211	CSS	E	30
211123	CVVLVR	Lower Connector Ring	211	CSS	E	30
211130	CCVLB	CVV Lower Bulkhead	211	CSS	-	CSS
211140	CVVR-Z	CVV -Z Radiator	211	CSS	-	CSS
211150	CVVR+Y	CVV +Y Radiator	211	CSS	-	CSS
211160	CVVR-Y	CVV -Y Radiator	211	CSS	-	CSS
211200	TSF	Tank Support & Spatial Framework	211	CSS	-	CSS
211210	STR	Tank Straps Lower and Upper	211	CSS	-	30
211211	UTSC	Upper Tank Straps Chain	211	PLM	-	CSS
211212	LTSC	Lower Tank Straps Chain	211	PLM	M	CSS
211213	CHBOL	Chain Bolts	211	PLM	M	CSS
211214	STRPREDEV	Strap Pretensioning Devices	211	PLM	M	CSS
211220	SPAF	Spatial Framework	211	CSS	-	30
211221	USPFW	Upper Spatial Framework	211	PLM	M	CSS
211222	LSPFW	Lower Spatial Framework	211	PLM	M	CSS
211300	CCC	Cryostat Cover & Cavity	211	CSS	-	CSS
211310	CC	Cryostat Cover	211	CSS	M	CSS
211320	C	Cavity	211	CSS	M	CSS
211400	IOB	Instrument Optical Bench	211	CSS	M	CSS
212000	CHS	Cryostat Helium S/S	212	CHS	-	60
212100	HTT	Helium II Tank	212	CHS	M	CSS
212200	HSC	Helium System Componentns	212	CHS	-	CSS
212210	HPS	Phase Separator	212	CHS	M	CSS
212211	PPST1T2	PPS 11 & T11 T112 ????	212	CHS	E	CSS
212220	DLMD	Direct Liquid Measm. Dev.	212	CHS	E	CSS
212221	DLMD1	Direct Liquid Measm. Dev. 1 ????	212	CHS	E	CSS
212222	DLMD2	Direct Liquid Measm. Dev 2 ????	212	CHS	E	CSS
212230	LEVPR	Level Probes	212	CHS	E	CSS
212231	LEVPR HII	Level Probe Helium II	212	CHS	E	CSS

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
212232	LEVPR HI	Level Probe Helium I	212	CHS	E	CSS
212240	TH&HTR	Thermometers & Heaters	212	CHS	E	CSS
212241	TITHM	Tank Internal Thermometers	212	CHS	E	CSS
212242	TSCTHM	Tank Surface Carbon Thermometers	212	CHS	E	CSS
212243	THtrs	Tank Heaters	212	CHS	E	CSS
212244	VLHRT	Vent Line Heaters	212	CHS	E	CSS
212250	RUPDIS	Rupture Disc	212	CHS	M	CSS
212260	SVALV	Safety Valves	212	CHS	E	CSS
212261	SVALH2H	Saf.Val.He II High Mass Flow	212	CHS	E	CSS
212262	SVALH1L	Saf.Val. He I Low Mass Flow	212	CHS	E	CSS
212263	SVALCVV	Safety Valves CVV	212	CHS	E	CSS
212270	ABS	Absorbers	212	CHS	M	CSS
212280	FILLPORTS	Filling Ports	212	CHS	M	CSS
212281	TINT FILL	Tank Internal Filling	212	CHS	M	CSS
212282	TEXTFILL	Tank External Filling	212	CHS	M	CSS
212300	LHV	Liquid Helium Valves	212	CHS	E	CSS
212310	ILHV	Internal Liquid He Valve	212	CHS	E	CSS
212320	ELHV	External Liquid He Valve	212	CHS	E	CSS
212400	HST	Helium System Tubing	212	CHS	M	CSS
212410	INTTUB	Internal Tubing	212	CHS	M	CSS
212411	HeIITUB	Helium II Tank Tubing	212	CHS	M	CSS
212412	HeITUB	Helium I Tank Tubing	212	CHS	M	CSS
212413	SHDTUB	Shields Tubing	212	CHS	M	CSS
212420	EXTTUB	External Tubing	212	CHS	M	CSS
212430	OBHEVENT	Optical Bench Helium Vent Line	212	CHS	M	CSS
212500	HOT	Helium I Tank	212	CHS	M	CSS
212600	HSE	Helium System Equipment	212	CHS	M	CSS
212610	HPTX	Helium Pressure Sensor	212	CHS	E	CSS
212620	VTLHTR	Ventline External Heaters	212	CHS	E	CSS
212630	TPTSTHERM	Tank Platinum Surface Thermometers	212	CHS	E	CSS
212640	VNOZ	Ventile Nozzels	212	CHS	M	CSS
212650	VACMSENS	Vacuum Measurement Sensors	212	CHS	E	CSS
212660	HEVAHTRSE	Helium Valve Heaters & Temp	212	CHS	E	CSS
213000	CIS	Cryostat Insulation S/S	213	CIS	I	I
213100	CTS	Cylinder Thermal Shields	213	CIS	I	ITS
213110	1CTS	1st Cylinder Thermal Shield	213	CIS	I	ITS
213120	2CTS	2nd Cylinder Thermal Shield	213	CIS	I	ITS
213130	3CTS	3rd Cylinder Thermal Shield	213	CIS	I	ITS
213200	ULS	Upper&Lower Thermal Shields	213	CIS	I	ITS
213210	LBHTS	LowerBulkheadThermal Shield	213	CIS	I	ITS
213211	1LBTS	1st Lower Bulkhead Thermal Shield	213	CIS	I	ITS

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
213212	2LBTS	2nd Lower Bulkhead Thermal Shield	213	CIS	I	ITS
213213	3LBTS	3rd Lower Bulkhead Thermal Shield	213	CIS	I	ITS
213220	UBHTS	Upper Bulkhead Thermal Shields	213	CIS	I	ITS
213221	1UBTS	1st Upper Bulkhead Thermal Shield	213	CIS	I	ITS
213222	2UBTS	2nd Upper Bulkhead Thermal Shield	213	CIS	I	ITS
213223	3UBTS	3rd Upper Bulkhead Thermal Shield	213	CIS	I	ITS
213300	OBS	Optical Bench & Beam Pattern Shield	213	CIS	I	ITS
213400	CMLI	Cryostat MLI	213	CIS	I	IML
213410	CVV MLI	Cryostat Vacuum Vessel MLI	213	CIS	I	IML
213411	CYMLI	CVV Cylinder MLI	213	CIS	I	IML
213412	LBMLI	Lower Bulkhead MLI	213	CIS	I	IML
213413	UBMLI	Upper Bulkhead MLI	213	CIS	I	IML
213420	CC MLI	Cryostat Cover MLI	213	CIS	I	IML
213430	CA MLI	Cavity MLI	213	CIS	I	IML
213440	CY TS MLI	Cylinder Thermal Shields MLI	213	CIS	I	IML
213441	1CYTSMLI	1st Cylind. Therm Shd MLI	213	CIS	I	IML
213442	2CYTSMLI	2nd Cylind. Therm. Shd MLI	213	CIS	I	IML
213443	2CYTSMLI	3rd Cylind. Therm. Shd MLI	213	CIS	I	IML
213450	UL TS MLI	Upper & Lower Thermal Shields MLI	213	CIS	I	IML
213451	1RSLBMLI	1st Rad Shd Lower B.Head MLI	213	CIS	I	IML
213452	1RSUBMLI	1st Rad Shd Upper B.Head MLI	213	CIS	I	IML
213453	2RSLBMLI	2nd Rad Shd Lower B.Head MLI	213	CIS	I	IML
213454	2RSUBMLI	2nd Rad Shd Upper B.Head MLI	213	CIS	I	IML
213455	3RSLBMLI	3rd Rad Shd Lower B.Head MLI	213	CIS	I	IML
213456	3RSUBMLI	3rd Rad Shd Upper B.Head MLI	213	CIS	I	IML
213460	OBS MLI	Optical Bench Shield MLI	213	CIS	I	IML
213470	HEITMLI	He II Tank MLI	213	CIS	I	IML
213480	HEITMLI	He I Tank MLI	213	CIS	I	IML
213490	ISSMLI	Instr. Sec. Struct. MLI	213	CIS	I	IML
213491	LOUMLI	LOU MLI	213	CIS	I	IML
213492	BOLAMLI	BOLA MLI	213	CIS	I	IML
213493	WGMLI	Wave Guides MLI	213	CIS	I	IML
214000	CES	Cryostat Electrical S/S	214	CES	E	EL
214100	CCU	Cryostat Control Unit	214	CES	E	17
214200	CCI	Cryostat Control Instrumentat. ??	214	CES	E	30
214300	PCH	PLM Cryostat Harness	214	CES	E	30
214310	CCH	Cryostat Control Harness	214	CES	E	30
214311	CCHARN	CVV Internal (Cryo) Harness	214	CES	E	EL
214312	CIHARN	CVV Extern. (Cryo Intern.) Harness	214	CES	E	EL
214313	CPHARN	SVM Intern. (Cryo Panel) Harness	214	CES	E	EL

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
214314	WCCC?	Wired Cryo Control Comp. ???	214	CES	E	EL
214320	SIH	Scient Instr. Harness	214	CES	E	INS
214321	CHSPHARN	CVV Int HIFI SPIRE PACS Cryo Harn.	214	CES	E	EL
214322	IHSPHARN	Interm. HIFI SPIRE PACS Harness	214	CES	E	EL
214323	PHPSHARNS	SVM Panel HIFI PACS SPIRE Harness	214	CES	E	EL
214324	WCCCHAR?	Wired Cryo Control Comp. ?	214	CES	E	EL
214400	CCUCB?	Cryo. Contr. Unit SVM Bracket ?	214	CES	E	27
215000	ISS	Instrument Secondary Structure	215	ISS	M	CSS
215100	BOS	BOLA Support Structure	215	ISS	M	30
215200	LOUSS	LOU Support Structure	215	ISS	M	30
215300	OWF	Optical Window & Filters	215	ISS	M	70
215400	SFOWF	Support Frame Opt. Window & Filter	215	ISS	M	70
215500	OBCB	Optical Bench Harness Con. Bracket	215	ISS	M	70
215600	LOU WG MS	LOU Waveguides Mounting Studs	215	ISS	M	80
215700	ITERMCON	Instrument Thermal Connectors	215	ISS	M	?
215800	ALGREF	PLM & OB Alignment References	215	ISS	M	?

HTM (Item Code: 22*)

221000	HTL	Herschel Telescope +MLI	221	HTL	M	83
221100	HTLHTR	Herschel Telescope Heater	22	PLM	-	83
220000	HTM	Herschel Telescope Module	22	TMS	M	83
221200	HTLTERM	Herschel Telescope Termistors	22	TMS	-	83
222000	TMS	Telescope Mounting Structure	222	TMS	M	83

HSS (Item Code: 23*)

230000	HSS	Herschel Sunshield & Sunshade	23	HSS	M	81
232100	HSPG	HERSCHEL Solar Power Generator	23	HSS	E	81
232200	HSPGT	HERSCHEL SolarArray Termistor	23	HSS	E	81
231000	SSS	Sunshield/Sunshade Structure	231	M	81	
231100	SS	Sun Shield	231	M	81	
231110	SSP	Sun Shield Panels	231	M	81	
231120	SSPS	Support	231	M	81	
231200	SSH	Sunshade	231	M	81	
231210	SSDP	Sunshade Panels	231	M	81	
231220	SHDS	Sunshade Support	231	M	81	
232000	HSPGS	Solar Power Generator System	232	E	81	

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
232300	SPGC	Solar Power Generator Wiring & Cell	232	E	81	
233000	SRS?	Sunshade Radating Surface ?	233	M	81	
234000	SSM?	Sunshield/Sunshade MLI ?	234	M	81	

PLM SVM IF Structure (Item Code: 25*)

250000	PLM SVM IF	PLM SVM Interfaces Structure	25	PLMSVM IF	-	HLS
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SVM (Item Code: 30*)

300000	HSVM	Herschel SVM	300	SVM	-	
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SVM CB (Item Code: 31*)

310000	HSVMCB	Herschel Service Modul CB	300	SVM	E	SVM
311000	HHSVMCB	HIFI SVM Con. Bracket	311	SVM CB	E	20
311100	HHSVMCB1	HIFI SVM Con. Bra. Pan 5	311	SVM CB	E	25
311110	HHC110	HIFI SVM CB1 Br110	311	SVM CB	E	25
311120	HHC120	HIFI SVM CB1 Br120	311	SVM CB	E	25
311130	HHC130	HIFI SVM CB1 Br130	311	SVM CB	E	25
311200	HHSVMCB2	HIFI SVM Con. Bra. Pan 6	311	SVM CB	E	26
311210	HHC210	HIFI SVM CB1 Br210	311	SVM CB	E	26
311220	HHC220	HIFI SVM CB2 Br220	311	SVM CB	E	26
311230	HHC230	HIFI SVM CB2 Br230	311	SVM CB	E	26
312000	HSSVMCB	SPIRE SVM Con. Bracket	312	SVM CB	E	27
313000	HPSVMCB	PACS SVM Con. Bracket	313	SVM CB	E	28
314000	CCSSVMCB	CCS SVM Con. Bracket	314	SVM CB	E	SVM
315000	HEGSECB	Herschel EGSE SVM Con Bracket	315	SVM CB	E	21
312100	HSCB100	SPIRE SVM CB 100	312	SPIRESVMCB	E	27
312200	HSCB200	SPIRE SVM CB 200	312	SPIRESVMCB	E	27
312300	HSCB300	SPIRE SVM CB 300	312	SPIRESVMCB	E	27
312400	HSCB400	SPIRE SVM CB 400	312	SPIRESVMCB	E	27
313100	HPSVMCB1	PACS SVM CB 1	313	PACSSVMCB	E	28
313110	HPSVMCB11	PACS SVM CB110	313	PACSSVMCB	E	28
313120	HPSVMCB12	PACS SVM CB120	313	PACSSVMCB	E	28
313130	HPSVMCB13	PACS SVM CB130	313	PACSSVMCB	E	28
313200	HPSVMCB2	PACS SVM CB 2	313	PACSSVMCB	E	22
313210	HPSVMCB21	PACS BOLA SVM CB 210	313	PACSSVMCB	E	22
313220	HPSVMCB22	PACS BOLA SVM CB 220	313	PACSSVMCB	E	22
313230	HPSVMCB23	PACS BOLA SVM CB 230	313	PACSSVMCB	E	22
314100	CCSSVMCB1	CCS SVM Con Bracket 1	314	CCSSVMCB	E	28

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
315100	HEGSECB1	EGSE CB 1	315	EGSE CB	E	28
315200	HEGSECB2	EGSE CB 2	315	EGSE CB	E	28

H GSE (Item Code: 4*)

400000	HGSE	Herschel GSE	4	SAT GSE	-	GSE
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H S/C GSE (Item Code: 41*)

410000	HSCGSE	Herschel S/C GSE	41	S/C GSE	-	GSE
411000	HSCMGSE	Herschel S/C MGSE	411	S/C GSE	-	GSE
411100	CONT	Transport Container	411	S/C GSE	-	GSE
412000	S/CEGSE	Herschel S/C EGSE	412	S/C GSE	-	GSE
413000	S/CCVSE	Herschel S/C CVSE	413	S/C GSE	-	GSE
414000	S/COGSE	Herschel S/C OGSE	414	S/C GSE	-	GSE
411200	MPA	Mass Property Adapter	411	S/C MGSE	-	GSE
411300	VTA	Vibration Test Adapter	411	S/C MGSE	-	GSE
411400	TTA	Thermal Test Adapter	411	S/C MGSE	-	GSE
411500	RTAA	Rotary Table Alignment Adapter	411	S/C MGSE	-	GSE
411600	TTAP	Thermal Test Adapter	411	S/C MGSE	-	GSE
412100	S/CCCS	Herschel S/C Centr. Checkout System	412	S/C EGSE	-	GSE
412200	S/CCDMUSC	Herschel S/C CDMU SCOE	412	S/C EGSE	-	GSE
412300	S/CPWRSCO	Herschel S/C Power SCOE	412	S/C EGSE	-	GSE
412400	S/CACMSSC	Herschel S/C ACMS SCOE	412	S/C EGSE	-	GSE
412500	S/CTT&CSC	Herschel S/C TT&C SCOE	412	S/C EGSE	-	GSE
412600	S/CTM/TCFE	Herschel S/C TM/TC Frontend	412	S/C EGSE	-	GSE

H EPLM GSE (Item Code: 42*)

420000	EPGSE	Herschel EPLM GSE	42	EPLM GSE	-	GSE
421000	EPMGSE	Herschel EPLM MGSE	421	EPLM GSE	-	GSE
422000	EPEGSE	Herschel EPLM EGSE	422	EPLM GSE	-	GSE
423000	EPCVSE	Herschel EPLM CVSE	423	EPLM GSE	-	GSE
424000	EPOGSE	Herschel EPLM OGSE	424	EPLM GSE	-	GSE
425000	SMMTHDUM	SM Mass & Thermal Dummies	425	EPLM GSE	M	GSE
425100	SMINSTDUM	SM Instrument Dummies	425	EPLM GSE	M	GSE
422100	EPCCS	EPLM Central Checkout System	422	EPLM EGSE	E	GSE
422200	EPCRYSCOE	EPLM Cryo SCOE	422	EPLM EGSE	E	GSE
422300	EPCDMUFE	EPLM CDMU Frontend	422	EPLM EGSE	E	GSE
422400	EPLM SCOE	PLM SCOE ??	422	EPLM EGSE	E	GSE

Item-Code	Item-Identifier	Item Name	PT Ref	Subsys Affili.	I.Type	Loc.
422500	EPTC	EPLM Cabels for TV Test	422	EPLM EGSE	E	GSE
425110	SMHIFIDUM	SM HIFI Dummies	425	M	GSE	
425111	SMHFPUD	SM HIFI FPU Dummy	425	M	GSE	
425112	SMHLOUD	SM HIFI LOU Dummy	425	M	GSE	
425113	SMHWGD	SM HIFI Waveguide Dummy	425	M	GSE	
425120	SMSDUM	SM SPIRE Dummies	425	M	GSE	
425121	SMSFPUD	SM SPIRE FPU Dummy	425	M	GSE	
425122	SMSJFBD	SM SPIRE JFET RF Boxes	425	M	GSE	
425123	SMSJFSD	SM SPIRE JFET Spectr. Dummy	425	M	GSE	
425124	SMSJFPD	SM SPIRE JFET Photom. Dummy	425	M	GSE	
425130	SMPDUM	SM PACS Dummies	425	M	GSE	
425131	SMPFPUD	SM PACS FPU Dummy	425	M	GSE	
425132	SMPBOLD	SM PACS Bolom. Ampl. Dummy	425	M	GSE	
425200	SMTDUM	SM Telescope Dummy	425	M	GSE	

5.3 Item Location Code

For ease item location identification in the HERSCHEL satellite system a location code is allocated to each electrical item which is shown in the table below.

This code will be allocated to each harness plug connector code to support harness manufacturing and integration. System integration and interface test will also benefit from this system.

Location	Meaning
?	not known
10	SVM UMB I/F CB
11	Units on SVM Sidep. 1 (CDMU)
12	Units on SVM Sidep. 2 (RWDE)
13	Units on SVM Sidep. 3 (tbd)
14	Units on SVM Sidep. 4 (Gyro)
15	Units on SVM Sidep. 5 (HIFI 1)
16	Units on SVM Sidep. 6 (HIFI 2)
17	Units on SVM Sidep.7 (SPIRECCU)
18	Units on SVM Sidep. 8 (PACS)
20	SVM I/F CB
21	I/F CB ab. SVM Panel 1 (tbd)
22	I/F CB ab. SVM Panel 2 (RWDE)
23	I/F CB ab. SVM Panel 3 (tbd)
24	I/F CB ab. SVM Panel 4 (Gyro)
25	I/F CB ab. SVM Panel 5 (HIFI1 CB)
26	I/F CB ab. SVM Panel 6 (HIFI2 CB)
27	I/F CB ab. SVM Panel 7 (SPI/CCU CB)
28	I/F CB ab. SVM Panel 8 (PACS)
30	CVV external
31	CVV I/F CB Bottom (CVVLCR)
32	CVV I/F CB Middle (CVVMCR)
33	CVV I/F CB Top PFM (CVVUCR)
34	CVV I/F CB Top EQM
35	CVV ext env Sensor I/F CB
36	NCA

Location	Meaning
40	CVV ext. Components
41	CVV ext. Comp on Struts
42	CVV ext. Comp.on Radiation Shd
43	BOLA
44	LOU
50	CVV internal
51	on lower chains
52	on lower spat framework
53	on Thermal Shield 1 (outer)
54	on Thermal Shield 2 (mid)
55	on Thermal Shield 3 (inner)
56	on upper chains
57	on upper spat framework
60	Helium Tanks
61	on AUX Tank
62	on HOT
63	on Pipework
70	Optical Bench
71	OB lower Side
72	OB upper Side
73	on HIFI FPU
74	on PACS FPU
75	on SPIRE JFET big
76	on SPIRE JFET small
77	on SPIRE FPU

Location	Meaning
80	EPLM Components
81	Sunshield SSD
82	Sunshade SSH
83	Telescope Modul
CSS	Cryo Structure S/S
E1	upper bulkhead
E2	Wave Guides
EL	Electrical Subsystem
GSE	Ground support equip
HAR	Harness
HLS	Higher Level System
I	Insulation
IML	Insulation MLI
INS	Instruments
ITS	Insulat. Therm. Shds
PLM	Pay Load Modul
SAT	Sat Level
SVM	Service Module

6 EMC Classes and Harness Separation

A general distinction will be done between

Power harness	= EMC Class 1
Signal harness	= EMC Class 2
Low level analogue harness	= EMC Class 3
RF harness	= EMC Class 4
Harness tbd	= EMC Class tbd

Distributed in the S/C there are seven sets of harness serving the S/C and experiment payload set:

6.1 Spacecraft Harness (1X, 2X, yX, ...)

(for Data Base reasons the X is replaced by an U and will be updated to X)

This harness links the spacecraft electrical lines to the experiment units on the SVM panels
The harness will be manufactured under Service Module/Instrument/ tbd Responsibility and is only listed partly in the Database for Overview reason
Sometimes for the EPLM this harness is equivalent to T (test) harness

The spacecraft harness will be

1X = Primary Power from the S/C
2X = Signal Lines from/to the S/C (OBDH, HL Cmd etc)
XX = Harness from S/C tbd

6.2 Test & Checkout Harness (1T, 2T, XT, ...)

This harness will be manufactured under Instrument/tbd Responsibility and connects the Checkout and Test equipment to the PLM/EPLM

The Lines will be listed in the database sometimes as X (U) for they are the same as for Checkout and S/C activities

Checkout harness for EQM/EPLM will be a subset of S/C harness

1T = Power harness (from SCOE or SVM simulator etc)
2T = Signal harness
OBDH Bus
Synchronisation (TBD)
S/C direct lines (Command lines) tbd,

Thermistors and Status acquired by RTU tbd

Checkout lines from the Cryo SCOE to SVM Connector (Umbilical) brackets tbd
etc

XT = Test harness, EMC Class tbd

6.3 SVM Panel Harness between units (1W, 2W, 3W, 4W, XW, ...)

This harness interconnects the instrument boxes on the SVM panels directly and will be manufactured under Instrument / tbd responsibility. In the database this harness is only partly listed

1W = Primary Power between boxes (not used tbd)

Heater tbd

2W = Signal Lines as

Secondary Power to other boxes (will be seen as signal)

Serial communication lines (1553)

Direct Command lines between boxes

Analogue and status lines between boxes

3W = Low Level Analogue lines

4W = HF Lines tbd

XW = Special lines tbd

6.4 Instrument warm units to SVM Bracket Harness (1S, 2S, 3S, 4S, XS, .[SIH-Wx])

(For Data Base reasons at the moment listed as B, will be changed to S)

This part of harness connects the instrument boxes and the CCU to the connector brackets located on top of the SVM panels. This harness will also be called Warm harness. The harness has to be manufacture under ASED responsibility.

1B = Primary Power to SVM Bracket (not foreseen at the moment tbd)

2B = Signal Lines as

Secondary Power to Optical Bench

Serial communication lines (1553)

Direct Command Lines

Analogue and status acquired by SVM located boxes tbd

CCU lines like

Thermistors, Accelerometers, Level Sensors, Pressure Sensors
 Strain gauge, Valve Status Switches, Heaters, Valve Drives
 tbd Instrumentation

3B = Low level analogue Signals

Low signal analogue lines from/to Optical Bench and Units outside the CVV

4B = RF lines from SVM Units to OB and others

XB = Special Lines TBD

6.5 Interconnecting Cryostat Vacuum Vessel Instrument and CCU Harness (1I, 2I, 3I, 4I, XI, ...[SIH-Ix])

This harness is linking the SVM Instrument brackets and the Cryostat Control Unit (CCU) Bracket on top of the panels to the feed through connectors and to units/items outside the CVV (BOLA, CCU Instrumentation etc)

This harness is also linking the Units on the CVV (BOLA etc) to the Feed Through Connectors.

1I = Primary power interconnecting harness (not foreseen at the moment)

2I = Signal interconnecting harness

all interconnecting (I) lines are declared as EMC Signal (2) at the moment, a separation has to be done according requirements tbd

3I = Low level analogue signal

4I = RF lines

XI = Special lines tbd (Waveguides)

6.6 Cryo Instrument Cold Harness (1C, 2C, 3C, 4C, XC, ...[SIH-Cx])

This is a cold harness inside the CVV linking the feed through connectors to the instruments on the Optical Bench, especially to the Focal Plane units. The harness will be manufactured under ASED responsibility.

The harness will also connect the CCS Instrumentation inside the CVV to the Feed Through Connectors

1C = Primary Power harness inside Cryostat (not foreseen)

2C = Signal harness inside Cryostat

all interconnecting (I) lines are declared as EMC Signal (2) at the moment, a separation has to be done according requirements tbd

3C = Low level analogue Signal inside the Cryostat

4C = RF lines inside the Cryostat

xC = Special Lines tbd (Waveguides)

6.7 Focal Plane /Optical Bench Harness (1F, 2F, 3F, 4F, XF, ...)

This cold harness is interconnecting the items on the optical bench and will be manufactured under instrument responsibility. The harness is listed only for overview reasons

1F = Primary Power harness on Optical Bench (not foreseen)

2F = Signal harness on optical bench

all optical bench (F) lines are declared as EMC class Signal (2) at the moment tbd

3F= Low level analogue signal on optical bench (not used tbd)

4F = RF lines on optical bench (not used tbd)

xF = Special Lines on optical bench tbd

6.8 Cryo-Harness Branch Identification

Apart from Harness separation by EMC classes a distinction by Harness Branch Identification for the different routing sections will be done. This Identification will be added to connector and Channel Informations in the Data Base.

Branch-ID	Cryo-Harness Branch Identification
	numbers shall be compliant to Instrument numbers
CCH-WE-01	Cryo Control Harness WarmEGSE-01
CCH-WU-01	Cryo Control Harness WarmUMB-01
CCH-WV-01	Cryo Control Harness WarmCVV-01
CCH-WT-01	Cryo Control Harness WarmTelescope-01
CCH-WN-01	Cryo Control Harness WarmNCA-01
SIH-WP-01	Scientific Instrument Harness-WarmPacs-01
SIH-WH-01	Scientific Instrument Harness-WarmHifi-01
SIH-WS-01	Scientific Instrument Harness-WarmSpire-01
CCH-IV-01	CryoControlHarness-InterfaceCVV-01
CCH-IT-01	CryoControlHarness-InterfaceTelescope-01
CCH-IN-01	CryoControlHarness-InterfaceNCA-01
SIH-IP-01	Scientific Instrument Harness-InterfacePacs-01
SIH-IH-01	Scientific Instrument Harness-InterfaceHifi-01
SIH-IS-01	Scientific Instrument Harness-InterfaceSpire-01
SIH-IB-01	Scientific Instrument Harness-InterfaceBola-01
SIH-IL-01	Scientific Instrument Harness-InterfaceLou-01
CCH-CB-01	CryocontrolHarness-ColdOptical Bench-01
CCH-CF-01	CryocontrolHarness-ColdFramework-01
CCH-CO-01	CryocontrolHarness-ColdHOT-01
CCH-CT-01	CryocontrolHarness-ColdHTT-01
CCH-CV-01	CryocontrolHarness-ColdVessel-01
SIH-CP-01	Scientific Instrument Harness-ColdPacs-01
SIH-CH-01	Scientific Instrument Harness-ColdHifi-01
SIH-CS-01	Scientific Instrument Harness-ColdSpire-01

6.9 List of EMC Category from Database

In following there is a list of defined EMC classes for harness separation.

This list is an extract from the used databaseHP-2-ASED-IC-0001,

EMC-Code	EMC-Abbreviation	EMC-Category	
1	-	Pwr	Power
1	B	PwrBr (will be updated to S)	Pwr Harness to SVM Connector Bracket (S)
1	C	PwrCry (not used)	Pwr Harness in Cryostat (C)
1	F	PwrFPU (not used)	Pwr Harness FPU Intern (F)
1	I	PwrInt	Pwr Harness Feed Through to SVM Connector Bracket (I)
1	S	PwrSC (replaces B)	Pwr Harness Unit to SVM CB (S)
1	T	PwrTes	Pwr Harness Testeq. (T)
1	U	PwrSC	Pwr Harness from S/C C/O (U)
1	W	PwrPan	Pwr Harness on SVM Panels (W)
2	-	SIG	Signal
2	B	SIH Wx (will be updated to S)	Signal Harness Unit to SVM CB (S)
2	C	SIH Cx	Signal Harness FPU to CVV Feed Through
2	F	SigFPU	Signal Harness FPU Internal
2	I	SIH Ix	Signal Harness Feed Through to -SVM CB (I)
2	S	SIH Wx (replaces B)	Signal Harness Unit to SVM CB (S)
2	T	SigTes	Signal Harness Test equipment (T)
2	U	SigSC	Signal Harness from S/C C/O
2	W	SigPan	Signal Harness on SVM Panels (W)
3	-	LLSig	Low Level An. Sig.
4	-	RF	Radio Freq. Sig
5	-	tbd	tbd
6	-	UL	Umbilical Link
7	-	COH	Check-out Harness
8	-	MXD	mixed
9	-	TBD	not known

7 Cable Type List

In this table the principal used cable types are listed. The list is not completed now and will be subject of changes. (Copper cables not yet listed)

The **Cable Code** defines a raw cable category with the following order:

0	diverse
1	single line
2	pair line
3	n-tuple, unshielded
4	single line shielded
5	pair line shielded
6	n-tuple shielded
7	double shielded lines
8	coaxial cables

The **Cable Type** is an abbreviation of the cable description in **Cable Type Name**.

Number of Cores, Twisted, Number of Shields are self explaining columns.

*For Cable Type List see CTD
on next page*

Cable Type List

Project:
HERSCHEL

Cable Code	Cable Type	Cable Type Name	No. of Cores	Twisted	No. of Shields	Used
0	----	Cable Type TBD	99	No	99	Yes
1	010B0	1Core, no Shd, Core Brass	1	No	0	Yes
1	010S0	1Core, no Shd, Core Steel	0	No	0	Yes
4	011BS	1Core, 1Shd, Core Brass, Shd Steel	1	No	1	Yes
4	011SS	1Core, 1Shd, Core Steel, Shd Steel	1	No	1	Yes
7	012BS	1Core, 2 Shd Core Brass, Shd Steel	1	No	2	Yes
7	012SS	1Core, 2Shd, Core Steel, Shd Steel	1	No	2	Yes
2	020B0	02Core, no Shd, Core Brass	2	Yes	0	Yes
2	020S0	02Core, no Shd, Core Steel	2	Yes	0	Yes
5	021BS	2Core, 1Shd, Core Brass, Shd Steel	2	Yes	1	Yes
5	021SS	2Core, 1Shd, Core Steel, Shd Steel	2	Yes	1	Yes
3	030B0	3Core, no Shd, Core Brass	3	Yes	0	Yes
3	030S0	3Core, no Shd, Core Steel	3	Yes	0	Yes
6	031BS	3Core, 1Shd, Core Brass, Shd Steel	3	Yes	1	Yes
6	031SS	3Core, 1Shd, Core Steel, Shd Steel	3	Yes	1	Yes
3	040B0	4Core, no Shd, Core Brass	4	Yes	0	Yes
3	040S0	4Core, no Shd, Core Steel	4	Yes	0	Yes
6	041BS	4Core, 1Shd, Core Brass, Shd Steel	4	Yes	1	Yes
6	041SS	4Core, 1Shd, Core Steel, Shd Steel	4	Yes	1	Yes
0	05071	5x7Core, 1Shd,1 OverShd, Core Shd	35	Yes	5	Yes
3	050B0	5Core, no Shd, Core Brass	5	Yes	0	Yes
3	050S0	5Core, no Shd, Core Steel	5	Yes	0	Yes
6	051BS	5Core, 1Shd, Core Brass, Shd Steel	5	Yes	1	Yes
6	051SS	5Core, 1Shd, Core Steel, Shd Steel	5	Yes	1	Yes
3	060B0	6Core, no Shd, Core Brass	6	Yes	0	Yes
3	060S0	6Core, no Shd, Core Brass	6	Yes	0	Yes
6	061BS	6Core, 1Shd, Core Brass, Shd Steel	6	Yes	1	Yes
6	061SS	6Core, 1Shd, Core Steel, Shd Steel	6	Yes	1	Yes
3	070B0	7Core, no Shd, Core Brass	7	Yes	0	Yes
3	070S0	7Core, no Shd, Core Steel	7	Yes	0	Yes
6	071BS	7Core, 1Shd, Core Brass, Shd Steel	7	Yes	1	Yes
6	071SS	7Core, 1Shd, Core Steel, Shd Steel	7	Yes	1	Yes
6	081BS	8Core, 1Shd, Core Brass, Shd Steel	8	Yes	1	Yes
6	081SS	8Core, 1Shd, Core Steel, Shd Steel	8	Yes	1	Yes
6	091BS	9Core, 1Shd, Core Brass, Shd Steel	9	Yes	1	Yes
3	110B0	11Core, no Shd, Core Brass	11	Yes	0	Yes
3	110S0	11Core, no Shd, Core Steel	11	Yes	0	Yes
6	111BS	11Core, 1Shd,Core Brass, Shd Steel	11	Yes	1	Yes
6	111SS	11Core,1Shd, Core Steel, Shd Steel	11	Yes	1	Yes
6	121BS	12Core, 1Shd, Core Brass, Shd Steel	12	Yes	1	Yes
6	121SS	12Core, 1Shd, Core Steel, Shd Steel	12	Yes	1	Yes
0	12S2C	12x2Core, 0 Shd, 1 OveShd, Core S	24	Yes	1	Yes
6	161BS	16Core, 1Shd, Core Brass, Shd Steel	16	Yes	1	Yes
6	161SS	16Core, 1Shd, Core Steel, Shd Steel	16	Yes	1	Yes
3	190B0	19Core, no Shd, Core Brass	19	Yes	0	Yes
3	190S0	19Core, no Shd, Core Steel	19	Yes	0	Yes
6	191BS	19Core, 1Shd, Core Brass, Shd Steel	19	Yes	1	Yes
6	191SS	19Core, 1Shd, Core Shd Steel	19	Yes	1	Yes
6	241BS	24Core, 1Shd, Core Brass, Shd Steel	24	Yes	1	Yes
6	241SS	24Core, 1Shd, Core Steel, Shd Steel	24	Yes	1	Yes
3	260B0	26Core, no Shd, Core Brass	26	Yes	0	Yes
3	260S0	26Core, no Shd, Core Steel	26	Yes	0	Yes
6	261BS	26Core, 1Shd, Core Brass, Shd Steel	26	Yes	1	Yes
6	261SS	26Core, 1Shd, Core Shd Steel	26	Yes	1	Yes
0	XBS7	4Core, Shd SS +3Core, Shd BS	7	Yes	2	Yes

Intentionally left blank for extended Cable type list

8 Cable Characteristic List

In the Cable Characteristic List a deeper specification of the used cable types will be done.

Different gauges of each cable type can be defined,

- Specific Resistance per meter at 293°K

- Specific Capacitance per meter

- Cable diameter

- Metal Part in cable (Thermal calculations)

- Insulation Part in Cable (Thermal Calculations)

- Specific Weight

will be used for the supporting information in the Data Base as for an example calculated harness weight, calculated channel resistance, harness bundle diameters etc

for Cable Characteristics see next pages

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Project: **HERSCHEL**

Cable

Characteristic List

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Issue: 01 Date: 15.05.2002

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Cable Type	Gauge (AWG)	Cable Code	Spec. Resist. [Ohm/m]							Spec. Cap. [pF/m]	Cbl Dia [mm]	Core Dia [mm]	Met. Part Steel [mm ²]	Met. Part Brass [mm ²]	Part Ins [mm ²]	Specific Weight [g/m]	Comments	Used
			293	2	3	4	5	6	7									
010B0	30	1	0,0							0,40					0,66	GSC-05-82207-00	Yes	
010B0	38	1	12,0							0,25			0,008	0,043	0,19	GSC-05-82208-00	Yes	
010S0	38	1	140,0							0,25		0,008		0,043	0,18	GSC-05-82209-00	Yes	
011B5	30	4	2,2													no ISO K	Yes	
011B5	38	4	12,0							0,70		0,020	0,008	0,309	0,73	GSC-05-82211-00	Yes	
011S5	38	4	140,0						120	0,70		0,028		0,309	0,73	GSC-05-82210-00	Yes	
012B5	38	7	12,0						0	1,60		0,000			4,3	GSC-05-82248-00	Yes	
012S5	38	7	140,0							1,95		0,054		0,71	6	GSC-05-82247-00	Yes	
020B0	30	2	2,2						65	1,20		0,000			1,38	GSC-6779_3_V04	Yes	
020B0	38	2	12,0						50	0,70		0,000	0,016	0,086	0,43	GSC-05-82212-00	Yes	
020S0	38	2	140,0						50	0,50		0,016		0,086	0,36	GSC 6777_3_V02	Yes	
021B5	30	5	2,2							1,50		0,060		0,771	3,3	GSC-05-82215-00	Yes	
021B5	38	5	12,0							1,20		0,060	0,016	0,771	1,75	GSC-05-82216-00	Yes	
021S5	38	5	140,0						60	1,20		0,076		0,771	1,75	GSC-05-82217-00	Yes	
030B0	30	3	2,2													no ISO K	No	
030B0	38	3	12,0													no ISO K	No	
030S0	38	3	140,0													no ISO K	No	
031B5	30	6	2,2							1,60					4,4	tbd	Yes	
031B5	38	6	12,0						65	1,20		0,070	0,024	0,856	2,1	GSC-05-82218-00	Yes	
031S5	38	6	140,0						65	1,20		0,094		0,856	2,1	GSC-05-82219-00	Yes	
040B0	30	3	2,2							1,00					2,7	GSC-05-82220-00	Yes	
040B0	38	3	12,0						55	0,70		0,000	0,032	0,172	0,72	GSC-05-82221-00	Yes	
040S0	38	3	140,0						55	0,70		0,032		0,172	0,72	GSC 6782_V05	Yes	
041B5	30	6	2,2							1,70		0,080	0,099	1,208	5,5	tbd	Yes	
041B5	38	6	12,0						50	1,30	0	0,070	0,032	0,951	2,4	GSC-05-82223-00	Yes	
041S5	38	6	140,0						60	1,30	0	0,102		0,951	2,4	GSC-05-82224-00	Yes	

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Cable Characteristic List

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Cable Type	Gauge (AWG)	Cable Code	Spec. Resist. [Ohm/m]							Spec. Cap. [pF/m]	Cbl Dia [mm]	Core Dia [mm]	Met. Part Steel [mm ²]	Met. Part Brass [mm ²]	Part Ins [mm ²]	Specific Weight [g/m]	Comments	Used
			293	2	3	4	5	6	7									
05071	38	0	140,0							4,50	0	0,000				0	GSC 7525	Yes
050B0	30	3	2,2														no ISO K	No
050B0	38	3	12,0														no ISO K	No
050S0	38	3	140,0														no ISO K	No
051BS	30	6	2,2							1,80						6,4	tbd	Yes
051BS	38	6	12,0														no ISO K	No
051SS	38	6	140,0							1,35						2,9	tbd	Yes
060B0	30	3	2,2														no ISO K	No
060B0	38	3	12,0														no ISO K	No
060S0	38	3	140,0														no ISO K	No
061BS	30	6	2,2							1,85						7,4	GSC-05-822225-00	Yes
061BS	38	6	12,0							1,40						3,3	GSC-05-82227-00	Yes
061SS	38	6	140,0							1,40						3,3	GSC-05-82226-00	Yes
070B0	30	3	2,2														no ISO K	No
070B0	38	3	12,0														no ISO K	No
070S0	38	3	140,0														no ISO K	No
071BS	30	6	2,2														no ISO K	No
071BS	38	6	12,0							1,40		0,085	0,056	1,208	3,4		GSC-05-82229-00	Yes
071SS	38	6	140,0						50	1,40		0,141		1,208	3,4		GSC-05-82228-00	Yes
081BS	30	6	2,2							2,00	0	0,000			8,3		GSC-05-82230-00	Yes
081BS	38	6	12,0							1,47	0	0,000			3,6		GSC-05-82231-00	Yes
081SS	38	6	12,0							1,47	0	0,000			3,6		GSC-05-82232-00	Yes
091BS	30	6	2,2	0	0	0	0	0	0	0,00	0	0,000			0		New design	Yes
110B0	30	3	2,2														no ISO K	No
110B0	38	3	12,0														no ISO K	No
110S0	38	3	140,0														no ISO K	No
111BS	30	6	2,2														no ISO K	No

Astrium GmbH

Project: **HERSCHEL**

Cable

Characteristic List

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Cable Type	Gauge (AWG)	Cable Code	Spec. Resist. [Ohm/m]							Spec. Cap. [pF/m]	Cbl Dia [mm]	Core Dia [mm]	Met. Part Steel [mm ²]	Met. Part Brass [mm ²]	Part Ins [mm ²]	Specific Weight [g/m]	Comments	Used
			293	2	3	4	5	6	7									
11BS	38	6	12,0									0,110	0,088	1,603		no ISO K	No	
11SS	38	6	140,0					55	1,60			0,198		1,603	4,6	GSC-05-82233-00	Yes	
12BS	38	6	12,0						1,70			0,000			4,8	GSC-05-82234-00	Yes	
12SS	38	6	140,0						1,70			0,000			4,8	GSC-05-82235-00	Yes	
12SC	38	0	140,0													no ISO K	No	
16BS	38	6	12,0						1,90			0,000			5,7	GSC-05-82237-00	Yes	
16SS	38	6	140,0						1,90			0,000			5,7	GSC-05-82236-00	Yes	
190B0	30	3	2,2													no ISO K	No	
190B0	38	3	12,0													no ISO K	No	
190S0	38	3	140,0													no ISO K	No	
191BS	30	6	2,2													no ISO K	No	
191BS	38	6	12,0						1,90			0,134	0,152	2,145	6,3	GSC-05-82239-00	Yes	
191SS	38	6	140,0					50	1,90			0,286		2,145	6,3	GSC-05-82238-00	Yes	
241BS	38	6	12,0						2,20			0,000			7,8	GSC-05-82241-00	Yes	
241SS	38	6	140,0						2,20			0,000			7,8	GSC-05-82240-00	Yes	
260B0	30	3	2,2													no ISO K	No	
260B0	38	3	12,0													no ISO K	No	
260S0	38	3	140,0													no ISO K	No	
261BS	30	6	2,2													no ISO K	No	
261BS	38	6	12,0						2,20			0,156	0,208	2,659	8,25	GSC-05-82243-00	Yes	
261SS	38	6	140,0					60	2,20	0		0,364		2,659	8,25	GSC-05-82242-00	Yes	
XBS7	??	0	2,2	0	0	0	0	0	0,000	0	0	0,000			4,444	Mix 041SS 031?	Yes	

Intentionally left blank for extended Cable Characteristic List

9 Connector Type List

In this table all Connectors will be used in the System are listed, that means, also the connectors mounted on unit side. Connectors belonging to the harness can be identified by the attached backshell. The amount of each connector type in the Satellite is listed in the row **No. of Con.** and should not be used for ordering information because the connectors under instrument or tbd responsibility are also listed

Information's like connector mass, number of pins and connector shape will be used in the Data Base system for calculating the sum of connector mass, connector pin allocation density and automatic drawing of connector pin allocations

*For Cable Type List see CTL
on next pages*

Connector Type List

Connector Type	Manufacturer	Pin / Sock	No. of Pins	Mass [g]	Shape	Special Connector	No. of Con.	Used
>> Dummy Connector	-	-	0	0	-	No	92	Yes
197-011P18-35P (Junct.)	GLENAIR	P	66	60	R	Yes	0	No
197-011P22-35P (Junct.)	GLENAIR	P	+02	119,5	R	Yes	73	Yes
197-012P18-35S (Plug)	GLENAIR	S	66	80	R	Yes	0	No
197-012P22-35S (Plug)	GLENAIR	S	+02	158	R	Yes	73	Yes
Box Responsible Pin		P	1	0	-	No	15	Yes
Box Responsible Socket		S	1	0	-	No	15	Yes
Coax Pin tbd		P	1	5	R	Yes	4	Yes
Coax Socket tbd		S	1	5	R	Yes	4	Yes
DAMA-15P-NMB-FO	CANNON	P	15	11,39	D	No	29	Yes
DAMA-15P-NMB-FO+Glen 550	CANNON	P	15	27,39	D	No	6	Yes
DAMA-15S-NMB-FO	CANNON	S	15	10,21	D	No	34	Yes
DAMA-15S-NMB-FO+Glen 550	CANNON	S	15	29,21	D	No	1	Yes
DBMA-25P-NMB-FO	CANNON	P	25	18,38	D	No	47	Yes
DBMA-25P-NMB-FO+ Glen 550	CANNON	P	25	37,38	D	No	5	Yes
DBMA-25S-NMB-FO	CANNON	S	25	10,3	D	No	48	Yes
DBMA-25S-NMB-FO+ Glen 550	CANNON	S	25	29,5	D	No	4	Yes
DBMA-44P-NMB-FO	CANNON	P	44	15	D	No	2	Yes
DBMA-44P-NMB-FO+ Glen 550	CANNON	P	44	35	D	No	25	Yes
DBMA-44S-NMB-FO	CANNON	S	44	15	D	No	25	Yes
DBMA-44S-NMB-FO+Glen 550	CANNON	S	44	35	D	No	2	Yes
DCMA-37P-NMB-FO	CANNON	P	37	26,22	D	No	40	Yes
DCMA-37P-NMB-FO+ Glen 550	CANNON	P	37	54,22	D	No	6	Yes
DCMA-37S-NMB-FO	CANNON	S	37	29,13	D	No	36	Yes
DCMA-37S-NMB-FO+ Glen 550	CANNON	S	37	57,13	D	No	10	Yes
DCMA-62P-NMB-FO	CANNON	P	62	20	D	No	2	Yes
DCMA-62P-NMB-FO+Glen 550	CANNON	P	62	50	D	No	2	Yes
DCMA-62S-NMB-FO	CANNON	S	62	20	D	No	4	Yes
DCMA-62S-NMB-FO+Glen 550	CANNON	S	62	50	D	No	2	Yes
DDMA-50P-NMB-FO	CANNON	P	50	32,41	D	No	56	Yes
DDMA-50P-NMB-FO+ Glen 550	CANNON	P	50	62,41	D	No	3	Yes
DDMA-50S-NMB-FO	CANNON	S	50	36,31	D	No	16	Yes
DDMA-50S-NMB-FO+ Glen 550	CANNON	S	50	66,31	D	No	43	Yes
DDMA-78P-NMB-FO	CANNON	P	78	41,15	D	No	1	Yes
DDMA-78P-NMB-FO+Glen 550	CANNON	P	78	71,15	D	No	1	Yes
DDMA-78S-NMB-FO	CANNON	S	78	25,55	D	No	1	Yes
DDMA-78S-NMB-FO+Glen 550	CANNON	S	78	60	D	No	1	Yes
DEMA-09P-NMB-FO	CANNON	P	9	7,88	D	No	31	Yes
DEMA-09P-NMB-FO+Glen 550	CANNON	P	9	20,88	D	No	10	Yes
DEMA-09S-NMB-FO	CANNON	S	9	6,9	D	No	34	Yes
DEMA-09S-NMB-FO+Glen 550	CANNON	S	9	21,7	D	No	7	Yes
MDM09P	GLENAIR	P	9	4,6	D	No	28	Yes
MDM09P w Glen 500T	Can/Glen	P	9	8,6	D	No	0	No
MDM09S	GLENAIR	S	9	4,6	D	No	10	Yes
MDM09S w Glen 500T	Can/Glen	S	9	8,6	D	No	0	No
MDM15P	GLENAIR	P	15	5	F	No	16	Yes
MDM15P w Glen 500T	Can/Glen	P	15	10	F	No	0	No
MDM15S	GLENAIR	S	15	5	F	No	18	Yes
MDM15S w Glen 500T	Can/Glen	S	15	10	F	No	0	No
MDM21P	CANNON	P	21	4,6	F	No	10	Yes
MDM21P w Glen 500T	Can/Glen	P	21	10,5	F	No	2	Yes
MDM21S	GLENAIR	S	21	5,4	F	No	6	Yes
MDM21S w Glen 500T	Can/Glen	S	21	10,9	F	No	0	No
MDM25P	CANNON	P	25	6,5	F	No	32	Yes
MDM25P w Glen 500 T	Can/Glen	P	25	12,5	F	No	0	No
MDM25S	CANNON	S	25	6,5	F	No	0	No
MDM25S w Glen 500 T	Can/Glen	S	25	17	F	No	32	Yes

Connector Type List

 Project:
HERSCHEL

Connector Type	Manufacturer	Pin / Sock	No. of Pins	Mass [g]	Shape	Special Connector	No. of Con.	Used
MDM31P	CANNON	P	31	7,7	F	No	0	No
MDM31P w Glen 500 T	Can/Glen	P	31	14,2	F	No	0	No
MDM31S	CANNON	S	31	7,7	F	No	0	No
MDM31S w Glen 500 T	Can/Glen	S	31	14,2	F	No	0	No
MDM37P	CANNON	P	37	9,2	F	No	2	Yes
MDM37P w Glen 500 T	Can/Glen	P	37	26,21	F	No	18	Yes
MDM37S	CANNON	S	37	9,2	F	No	20	Yes
MDM37S w Glen 500 T	Can/Glen	S	37	16,2	F	No	0	No
MDM51P	GLENAIR	P	51	12	F	No	32	Yes
MDM51P w Glen 500T	Can/Glen	P	51	20,5	F	No	0	No
MDM51S	GLENAIR	S	51	12	F	No	32	Yes
MDM51S w Glen 500T	Can/Glen	S	51	20,5	F	No	0	No
MIL-C 25-35P ??	Souriau	P	35	150	R	No	0	No
MIL-C 25-35S ??	Souriau	S	35	150	R	No	0	No
MS27484T12F35SA	GLENAIR	S	50	0	-	No	1	Yes
MS27484T12F35SN	GLENAIR	S	35	100	-	No	1	Yes
MS27484T14F18PA	GLENAIR	P	45	100	-	No	1	Yes
MS27484T14F18PN	GLENAIR	P	40	100	R	No	1	Yes
MS27484T22-35S (Plug+Shl)	GLENAIR	S	+02	158	R	Yes	0	No
MS27497T12F35PA	GLENAIR	P	50	0	-	No	1	Yes
MS27497T12F35PN	GLENAIR	P	35	100	-	No	1	Yes
MS27497T14F18SA	GLENAIR	S	45	100	-	No	1	Yes
MS27497T14F18SN	GLENAIR	S	40	100	R	No	1	Yes
MS27497T22-35P (Jun.+Sh	GLENAIR	P	+02	119,5	R	Yes	0	No
MWDM2L-09P-6C3-630	GLENAIR	P	9	9,7	D	No	46	Yes
MWDM2L-09S-6C3-630	GLENAIR	S	9	9,7	D	No	64	Yes
MWDM2L-15P-6C3-630	GLENAIR	P	15	12,5	F	No	12	Yes
MWDM2L-15S-6C3-630	GLENAIR	S	15	12,5	F	No	10	Yes
MWDM2L-21P-6C3-630	GLENAIR	P	21	15,1	F	No	8	Yes
MWDM2L-21S-6C3-630	GLENAIR	S	21	15,1	F	No	14	Yes
MWDM2L-25P-6C3-630	GLENAIR	P	25	17	F	No	8	Yes
MWDM2L-25S-6C3-630	GLENAIR	S	25	17	F	No	8	Yes
MWDM2L-31P-6C3-630	GLENAIR	P	31	24,71	F	No	9	Yes
MWDM2L-31S-6C3-630	GLENAIR	S	31	24,71	F	No	9	Yes
MWDM2L-37P-6C3-630	GLENAIR	P	37	26,21	F	No	52	Yes
MWDM2L-37S-6C3-630	GLENAIR	S	37	26,21	F	No	52	Yes
N/A	-	-	0	0	-	No	0	No
Not known Pin	tbd	P	50	30	F	No	9	Yes
Not known Socket	tbd	-	50	30	F	No	9	Yes
SMA Female	tbd	S	1	5	-	No	90	Yes
SMA Male	tbd	P	1	5	-	No	90	Yes
SVM CB Rd Jun w 100 Pin	tbd	P	+02	136	R	Yes	69	Yes
SVM CB Rd Jun w 128 Pin	tbd	P	+02	136	R	Yes	0	No
SVM CB Rd Plu w 100 Soc	tbd	S	+02	158	R	Yes	69	Yes
SVM CB Rd Plu w 128 Soc	tbd	S	+02	158	R	Yes	0	No
TBD	-	-	0	0	-	No	16	Yes

10 Interface Type List

(This list is subject of change because the Interfaces for SPIRE, PACS and the Cryostat Control System are still not complete defined)

This list describes the generic interfaces in the HERSCHEL PLM system and assigns a Interface Code to them with a short description of that Interface.

The interface can be declared as a Driver Circuit or a Receiver Circuit with the needed wire and shield connection to fulfil the functionality of that interface.

Also there is a cross reference to the Specification of that Interface (tbd).

Drawings of the interfaces will be issued in the Document HP-2-ASED-LI-0006

COLD UNIT MTD PIN ALLOCATION LIST

See next pages for Interface Circuit Types

Astrium GmbH	Interface Circuit Type List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002
		Sheet: ICT-1 (of 2)

I/F-Cir. Code	Driver / Receiver	Interface Circuit Type Description	Specification Data Sheet(s)	I/F connection	New
CAC	-	Cryostat Accelerometer	tbd	2 core / 1 shd	
CFX	-	Cryostat Tension Device ?	tbd	0 core / 0 shd	
CGX	-	Cryostat Strain Gauge ?	tbd	0 core / 0 shd	
CH1	-	Cryostat Heater DLCM R=90OHM	tbd	2 core / 0 shd	
CH2	-	Cryostat Heater Depl. ? R=330Ohm	tbd	2 core / 0 shd	
CH3	-	Cryostat Heater HOT ? R=50Ohm	tbd	2 core / 0 shd	
CL1	-	Cryostat Liquid Level Sensor Typ 1	tbd	2 core / 0 shd	
CL2	-	Cryostat Liquid Level Sensor Typ 2	tbd	2 core / 0 shd	
CL3	-	Cryostat Liquid Level Sensor Typ 3	tbd	2 core / 0 shd	
CL4	-	Cryostat Liquid Level Sensor Typ 4	tbd	2 core / 0 shd	
CNC	-	Cryostat Cover Release ?	tbd	0 core / 0 shd	
CP1	-	Cryostat Pressure Transducer Typ 1	tbd	4 core / 0 shd	
CP2	-	Cryostat Pressure Transducer Typ 2	tbd	4 core / 0 shd	
CSI	-	Cryostat Cover Status Indicator?	tbd	0 core / 0 shd	
CTC	-	Cryostat Temperature Sensor C100	tbd	4 core / 0 shd	
CTP	-	Cryostat Temperature Sensor PT1000	tbd	4 core / 0 shd	
CVC	-	Cryostat Valve Coil	tbd	2 core / 0 shd	
CVH	-	Cryostat Valve Heater	tbd	2 core / 0 shd	
CVS	-	Cryostat Valve Status Indicator	tbd	2 core / 0 shd	
CVT	-	Cryostat Valve Temperature Sensor	tbd	4 core / 0 shd	
H1D	-	HIFI First Amplifier Dn	tbd	4 core / 1 shd	
H1G	-	HIFI First Amplifier Gn	tbd	3 core / 1 shd	
H2D	-	HIFI Second IF Amplifier Dn	tbd	9 core / 1 shd	
H2G	-	HIFI Second IF Amplifier Gn	tbd	4 core / 1 shd	
H2S	-	HIFI Second IF Amplifier Thermistor	tbd	4 core / 1 shd	
HBC	-	HIFI Calibrator CR Temp Sensor	tbd	4 core / 1 shd	
HBH	-	HIFI Calibrator HR Temp Sensor	tbd	4 core / 1 shd	
HBT	-	HIFI Calibrator Heater	tbd	2 core / 1 shd	
HCA	-	HIFI Chopper AC A/B	tbd	4 core / 1 shd	
HCP	-	HIFI Chopper PY	tbd	2 core / 1 shd	
HCS	-	HIFI Chopper SY A/B	tbd	3 core / 1 shd	
HDP	-	HIFI Diplexer AC	tbd	2 core / 1 shd	
HIF	-	HIFI IF Coax 50 Ohm	tbd	1 core / 1 shd	
HLA	-	HIFI LOU Amplifier ????	tbd	7 core / 1 shd	
HLH	-	HIFI LOU Heater ????	tbd	2 core / 1 shd	
HLT	-	HIFI LOU Temperature Senors ?????	tbd	4 core / 1 shd	
HMH	-	HIFI Magnets & Heaters	tbd	4 core / 1 shd	
HMX	-	HIFI Mixer Bias	tbd	5 core / 1 shd	
HT1	-	HIFI S10K Temp. Sensor	tbd	4 core / 1 shd	
HT2	-	HIFI S02K Temp. Sensor	tbd	4 core / 1 shd	
HT4	-	HIFI S04K Temp. Sensor	tbd	4 core / 1 shd	
PAS	-	PACS Calibration Source	tbd	4 core / 1 shd	
PAT	-	PACS Calibration Temp Sensor	tbd	4 core / 1 shd	
PCD	-	PACS Chopper Drive	tbd	8 core / 1 shd	
PCP	-	PACS Chopper Position Sensor	tbd	6 core / 1 shd	
PCT	-	PACS Chopper Temp. Sensor	tbd	4 core / 1 shd	
PD1	-	PACS Detector Distr. Board Select lines	tbd	11 core / 1 shd	
PD2	-	PACS Detector Distr. Board Clk Line	tbd	2 core / 1 shd	
PD3	-	PACS Detector Distr. Board Synch Lines	tbd	2 core / 1 shd	
PD4	-	PACS Detector Distr. Board Sense lines	tbd	13 core / 1 shd	
PD5	-	PACS Detector Distr. Board Bias Ref Lin	tbd	6 core / 1 shd	
PD6	-	PACS Detector Distr. Board Bias Lines	tbd	26 core / 1 shd	
PDO	-	PACS Detector Distr. Board Out lines	tbd	1 core / 2 shd	
PFC	-	PACS Filter Wheel Coil 1+2	tbd	4 core / 1 shd	
PFH	-	PACS Filter Wheel Hall Sensors	tbd	4 core / 1 shd	
PFS	-	PACS Filter Wheel Sensor 1/2	tbd	6 core / 1 shd	
PFT	-	PACS Filter Wheel Temp Sensor	tbd	4 core / 0 shd	

Astrium GmbH	Interface Circuit Type List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002 Sheet: ICT-2 (of 2)

I/F-Cir. Code	Driver / Receiver	Interface Circuit Type Description	Specification Data Sheet(s)	I/F connection	New
PGC	-	PACS Grating Coil	tbd	4 core / 1 shd	
PGD	-	PACS Grating Position Driver	tbd	2 core / 1 shd	
PGH	-	PACS Grating Hall Sensors	tbd	4 core / 1 shd	
PGI	-	PACS Grating Position Sinus	tbd	2 core / 1 shd	
PGO	-	PACS Grating Position Cosinus	tbd	2 core / 1 shd	
PGS	-	PACS Grating Switches	tbd	4 core / 0 shd	
PGT	-	PACS Grating Temp Sensors	tbd	4 core / 1 shd	
SBC	-	SPIRE Bolometer Channel n	tbd	2 core / 1 shd	
SBH	-	SPIRE Bol SSW SLW Heater	tbd	2 core / 1 shd	
SHD	-	Identifier indicating shield connection	tbd	0 core / 1 shd	
SXB	-	SPIRE SLW SSW Bias	tbd	2 core / 1 shd	

11 Signal Type List

(This list is subject of change because the Interfaces for SPIRE, PACS and the Cryostat Control System are still not complete defined)

This list describes the generic interfaces in the HERSCHEL PLM system and assigns a Signal Code to them with a short description of that Signal type.

Each Interface is allocated to a EMC Class as defined in 6.x before. At the moment only signal class 2 (tbc) is allocated to the interfaces.

The used cable type (*wiring*) will be shown in the next row after final definition of type and naming.

The **No. of Lines** defines the amount of signal lines and RTN lines in that cable wiring.

If the Interface requires a shield, the **Shd** column identifies were the shield is connected.

N= Shield not connected

S= Shield connected on source side

T= Shield connected on target side

B= Shield connected on both sides

In the **S/S Code** an identification will be found to which Subsystem (Instrument or CCS) the interface is allocated to.

Finally there is a reference to a Data sheet and the Interface Definition Document.

For Signal Type List STL see next pages

Astrium GmbH	Signal-Type List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002
		Sheet: STL-1 (of 1)

Signal Code	Signal-Type Name	Wiring	No. of Lines	Shd.	S/S Code	Spec No.	Data Sheet	EMC Code	Specified in Para.	New
H1D-	HIFI 1. IF Ampl. D Lines with TST	---	3 SIG/1 RTN	B	110	50	H1D	2	-	
H1D1	HIFI 1. IF Ampl. D Lines	---	2 SIG/1 RTN	B	110	50	H1D	2	-	
H1G-	HIFI 1. IF Ampl. G Lines	---	2 SIG/1 RTN	B	110	50	H1G	2	-	
H2D-	HIFI 2. IF Amp D	---	8 SIG/1 RTN	B	110	50	H2D	2	-	
H2G-	HIFI 2. IF Amp G	---	2 SIG/2 RTN	B	110	50	H2G	2	-	
H2S-	HIFI Sec. IF Ampl Thermistor	---	2 SIG/2 RTN	B	110	50	H2S	2	-	
HBC-	HIFI Calibrator CR Temp Sensor	---	2 SIG/2 RTN	B	110	50	HBC	2	-	
HBH-	HIFI Calibrator HR Temp Sensor	---	2 SIG/2 RTN	B	110	50	HBH	2	-	
HBS-	HIFI Calibrator ST Temp Sensor	---	2 SIG/2 RTN	B	110	50	HBS	2	-	
HBT-	HIFI Calibrator Heater	---	1 SIG/1 RTN	B	110	10	HBT	2	-	
HCA-	HIFI Chopper AC	---	2 SIG/2 RTN	B	110	50	HCA	2	-	
HCP-	HIFI Chopper PY	---	1 SIG/1 RTN	B	110	50	HCP	2	-	
HCS-	HIFI Chopper SY ?	---	2 SIG/1 RTN	B	110	50	HCS	2	-	
HDP-	HIFI Diplexer	---	1 SIG/1 RTN	B	110	9	HDP	2	-	
HIF-	HIFI IF Lines Coax 50 Ohm	---	1 SIG/0 RTN	B	110	4	HIF	2	-	
HMH-	HIFI Magnet & Heater	---	2 SIG/2 RTN	B	110	50	HMH	2	-	
HMX-	HIFI Mixer Bias	---	3 SIG/2 RTN	B	110	50	HMX	2	-	
HT1-	HIFI Thermistor S10K	---	2 SIG/2 RTN	B	110	50	HT1	2	-	
HT2-	HIFI Thermistor S02K	---	2 SIG/2 RTN	B	110	50	HT2	2	-	
HT4-	HIFI Thermistor S04K	---	2 SIG/2 RTN	B	110	50	HT4	2	-	
PFC1	PACS Filter Wheel Coil 1 +2	---	2 SIG/2 RTN	B	130	500	tbd	2	-	
SBC-	SPIRE Bolometer Channel x	---	2 SIG/0 RTN	B	120	500	tbd	2	-	
SXB-	SPIRE Bol. SSW SLW Bias	---	2 SIG/0 RTN	B	120	500	tbd	2	-	
SXH-	SPIRE Bol. SSW SLW Heater	---	2 SIG/0 RTN	B	120	500	tbd	2	-	

Intentionally left blank for extended Signal Type List

12 Connector Allocation List

12.1 Item Connector List (ICL)

The item connector list shows all connector found at unit side. All junctions (J) are listed, even those which are not concerned by the Cold harness (CCH or EMC Cat 2C) or the interconnecting harness from feed through connectors to SVM connector brackets (SIH or EMC Cat 2I) and from the SVMCB to the warm units (EMC Cat 2B) which has to be manufactured under ASSED responsibility.

The list is sorted by the item code and defines also the Junction connector type found for the unit side.

All these junction connector are not under ASSED responsibility and therefore has to be supplied by the unit manufacturer. Backshells are not applicable inside of a box (only used for harness plugs)

The EMC Category is used for harness separation and is shown at unit side only for information.

See Item Connector List ICL on next pages

Astrium GmbH	Item Connector List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002
		Sheet: ICL-1 (of 17)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
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HERSCHEL HIFI (Item Code: 11*)

HIFI Units CVV IO (Item Code: 111*)

HHFPU	111100 J01	HIFI FPU IF1-H	Coax Pin tbd	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J02	HIFI FPU IF2-H	Coax Pin tbd	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J03	HIFI FPU IF1-V	Coax Pin tbd	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J04	HIFI FPU IF2-V	Coax Pin tbd	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J11	HIFI FPU Mixer Bias 1 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J12	HIFI FPU Mixer Bias 2 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J13	HIFI FPU Mixer Bias 3 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J14	HIFI FPU Mixer Bias 4 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J15	HIFI FPU Mixer Bias 5 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J16	HIFI FPU Mixer Bias 6 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J17	HIFI FPU Mixer Bias 7 Hor.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J18	HIFI FPU Mixer Bias 1 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J19	HIFI FPU Mixer Bias 2 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J20	HIFI FPU Mixer Bias 3 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J21	HIFI FPU Mixer Bias 4 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J22	HIFI FPU Mixer Bias 5 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J23	HIFI FPU Mixer Bias 6 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J24	HIFI FPU Mixer Bias 7 Ver.	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J25	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J26	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J27	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J28	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J29	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J32	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J33	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J34	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J35	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J36	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J39	HIFI FPU 1. IF Ampl. 1 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J40	HIFI FPU 1. IF Ampl. 2 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J41	HIFI FPU 1. IF Ampl. 3 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J42	HIFI FPU 1. IF Ampl. 4 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J43	HIFI FPU 1. IF Ampl. 5 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J44	HIFI FPU 1. IF Ampl. 6 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J45	HIFI FPU 1. IF Ampl. 7 Hor	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J46	HIFI FPU 1. IF Ampl. 1 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J47	HIFI FPU 1. IF Ampl. 2 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J48	HIFI FPU 1. IF Ampl. 3 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J49	HIFI FPU 1. IF Ampl. 4 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J50	HIFI FPU 1. IF Ampl. 5 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J51	HIFI FPU 1. IF Ampl. 6 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J52	HIFI FPU 1. IF Ampl. 7 Ver	MDM09P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J53	HIFI FPU 2. IF Ampl. 1 Hor	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J54	HIFI FPU 2. IF Ampl. 2 Hor	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J55	HIFI FPU 2. IF Ampl. 3 Hor	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J56	HIFI FPU 2. IF Ampl. 1 Ver	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J57	HIFI FPU 2. IF Ampl. 2 Ver	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J58	HIFI FPU 2. IF Ampl. 3 Ver	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J59	HIFI FPU 2. IF Ampl. Therm. Prime	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J60	HIFI FPU 2. IF Ampl. Therm. Red.	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J61	HIFI FPU Chopper Prime	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J62	HIFI FPU Choper Red.	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J63	HIFI FPU Thermistors Prime	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J64	HIFI FPU Thermistors Red.	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J65	HIFI FPU Calibrator Prime	MDM15S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J66	HIFI FPU Calibrator Red.	MDM15S	Box	N/A	2C/SigHa FPU-CVV Fe	
HHFPU	111100 J67	HIFI FPU Diplexer Hor	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HHFPU	111100 J68	HIFI FPU Diplexer Ver	MDM21P	Box	N/A	2C/SigHa FPU-CVV Fe	
HHLOU	111200 J01	HIFI LOU ??? I a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J02	HIFI LOU ??? I b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J03	HIFI LOU ??? II a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J04	HIFI LOU ??? II b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J05	HIFI LOU ??? III a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J06	HIFI LOU ??? III b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J07	HIFI LOU ??? IV a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J08	HIFI LOU ??? IV b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J09	HIFI LOU ??? V a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J10	HIFI LOU ??? V b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J11	HIFI LOU ??? VI a	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J12	HIFI LOU ??? VI b	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J13	HIFI LOU ??? VI c	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J14	HIFI LOU ??? VI d	DDMA-50S-NMB-FO	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J15	HIFI LOU Heater 1 ????	Not known Pin	Box	N/A	2I/SigHa FeedTh-SVM	
HHLOU	111200 J16	HIFI LOU Heater 2 ????	Not known Pin	Box	N/A	2I/SigHa FeedTh-SVM	
HHLWU	111400 J01	HIFI LWU	Not known Pin	Box	N/A	2I/SigHa FeedTh-SVM	
HIFI SVM Units (Item Code: 112*)							
HHLCU	112100 J01	HIFI LCU LOU Ia ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J02	HIFI LCU LOU Ib ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J03	HIFI LCU LOU Iia ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J04	HIFI LCU LOU Iib ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J05	HIFI LCU LOU IIIa ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J06	HIFI LCU LOU IIIb ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J07	HIFI LCU LOU Iva ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J08	HIFI LCU LOU Ivb ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J09	HIFI LCU LOU Va ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J10	HIFI LCU LOU Vb ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J11	HIFI LCU LOU Via ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J12	HIFI LCU LOU Vib ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J13	HIFI LCU LOU Vic ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J14	HIFI LCU LOU Vid ???	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J21	HIFI LCU LOU Heater Main???	DEMA-09P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J22	HIFI LCU LOU Heater Red???	DAMA-15P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HHLCU	112100 J23	HIFI LCU ???	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J24	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J25	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J26	HIFI LCU ????	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J27	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J28	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J29	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J30	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J31	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J32	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLCU	112100 J33	HIFI LCU ???	DBMA-44S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHLSU	112200 J01	HIFI LSU NOM Pwr from PDU	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HHLSU	112200 J02	HIFI LSU RED Pwr from PDU	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HHLSU	112200 J03	HIFI LSU Waveguides ???	Not known Pin	Box	N/A	9-/not known	
HHFCU	112300 J01	HIFI FCU ????	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHFCU	112300 J02	HIFI FCU ????	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHFCU	112300 J03	HIFI FCU ????	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHFCU	112300 J04	HIFI FCU ????	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHFCU	112300 J11	HIFI FCU Mixer bias Hor.	DBMA-44P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HHFCU	112300 J12	HIFI FCU Magnets & Heaters Hor.	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HHFCU	112300 J14	HIFI FCU 1. IF Ampl. Hor.	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HHFCU	112300 J15	HIFI FCU 2. IF Ampl. Hor.	DCMA-62S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HHFCU	112300 J16	HIFI FCU Chop. Cal. Therm. Main.	DCMA-62P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HHFCU	112300 J17	HIFI FCU Diplexer Hor.	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J21	HIFI FCU Mixer bias Ver.	DBMA-44P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J22	HIFI FCU Magnets & Heaters Ver.	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J24	HIFI FCU 1. IF Ampl. Ver.	DBMA-44S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J25	HIFI FCU 2. IF Ampl. Ver.	DCMA-62S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J26	HIFI FCU Chop. Cal. Therm Red.	DCMA-62P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J27	HIFI FCU Diplexer Ver.	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J31	HIFI FCU IF1-H	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J32	HIFI FCU IF2-H	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J33	HIFI FCU IF1-V	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J34	HIFI FCU IF2-V	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	+
HHFCU	112300 J41	HIFI FCU IF ????	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	
HHFCU	112300 J42	HIFI FCU IF ????	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	
HHFCU	112300 J43	HIFI FCU IF ????	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	
HHFCU	112300 J44	HIFI FCU IF ????	SMA Female	Box	N/A	2B/SigHa Box-SVMCon	
HHHRH	112410 J01	HFI HRS H - PDU Sec Pwr	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J02	HIFI HRS H - ICU Main	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J03	HIFI HRS H - ICU Red	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J04	HIFI HRS H to HRI V	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J05	HIFI HRS H RF Input	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J06	HIFI HRS H to HRI V	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J07	HIFI HRS H Bridge to J19	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J08	HIFI HRS H Bridge to J18	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J09	HIFI HRS H Bridge to J21	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J10	HIFI HRS H Bridge to J22	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J11	HIFI HRS H Bridge to J24	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J12	HIFI HRS H Bridge to J25	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J13	HIFI HRS H Bridge to J27	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J14	HIFI HRS H Bridge to J28	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J15	HIFI HRS H Bridge to J30	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J16	HIFI HRS H Bridge to J31	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J17	HIFI HRS H Bridge to J33	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J18	HIFI HRS H Bridge to J08	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J19	HIFI HRS H Bridge to J07	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J20	HIFI HRS H from LOSU	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J21	HIFI HRS H to ACS J09	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J22	HIFI HRS H to IRM J10	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J23	HIFI HRS H IRM4 RF input J39	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J24	HIFI HRS H IRM4 Isb J11	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J25	HIFI HRS H IRM4 usb J12	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J26	HIFI HRS H IRM3 RF input J41	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J27	HIFI HRS H IRM3 Isb J13	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J28	HIFI HRS H IRM3 usb J14	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J29	HIFI HRS H IRM2 RF input J43	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J30	HIFI HRS H IRM2 Isb J15	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J31	HIFI HRS H IRM2 usb J16	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J32	HIFI HRS H IRM1 RF input J45	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J33	HIFI HRS H IRM1 Isb J17	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J34	HIFI HRS H 10.5MHz J38	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J35	HIFI HRS H 10.5MHz J40	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J36	HIFI HRS H 10.5MHz J42	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J37	HIFI HRS H 10.5MHz J44	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J38	HIFI HRS H Bridge to J34	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J39	HIFI HRS H Conv 4 output J23	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J40	HIFI HRS H Bridge to J35	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J41	HIFI HRS H Conv 3 output J26	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J42	HIFI HRS H Bridge to J36	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J43	HIFI HRS H Conv 2 output J29	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J44	HIFI HRS H Bridge to J37	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRH	112410 J45	HIFI HRS H Conv 1 output J32	SMA Female	Box	N/A	2W/SigHa on SVM Pan	

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HHHRV	112420 J01	HIFI HRS V - PDU Sec Pwr	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J02	HIFI HRS V - ICU Main	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J03	HIFI HRS V - ICU Red	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J04	HIFI HRS V to HRS H	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J05	HIFI HRS V RF Input	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J06	HIFI HRS V to HRS H	SMA Male	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J07	HIFI HRS V Bridge to J19	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J08	HIFI HRS V Bridge to J18	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J09	HIFI HRS V Bridge to J21	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J10	HIFI HRS V Bridge to J22	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J11	HIFI HRS V Bridge to J24	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J12	HIFI HRS V Bridge to J25	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J13	HIFI HRS V Bridge to J27	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J14	HIFI HRS V Bridge to J28	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J15	HIFI HRS V Bridge to J30	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J16	HIFI HRS V Bridge to J31	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J17	HIFI HRS V Bridge to J33	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J18	HIFI HRS V Bridge to J08	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J19	HIFI HRS V Bridge to J07	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J20	HIFI HRS V from LOSU	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J21	HIFI HRS V to ACS J09	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J22	HIFI HRS V to IRM J10	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J23	HIFI HRS V IRM4 RF input J39	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J24	HIFI HRS V IRM4 lsb J11	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J25	HIFI HRS V IRM4 usb J12	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J26	HIFI HRS V IRM3 RF input J41	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J27	HIFI HRS V IRM3 lsb J13	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J28	HIFI HRS V IRM3 usb J14	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J29	HIFI HRS V IRM2 RF input J43	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J30	HIFI HRS V IRM2 lsb J15	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J31	HIFI HRS V IRM2 usb J16	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J32	HIFI HRS V IRM1 RF input J45	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J33	HIFI HRS V IRM1 lsb J17	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J34	HIFI HRS V 10.5MHz J38	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J35	HIFI HRS V 10.5MHz J40	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J36	HIFI HRS V 10.5MHz J42	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J37	HIFI HRS V 10.5MHz J44	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J38	HIFI HRS V Bridge to J34	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J39	HIFI HRS V Conv 4 output J23	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J40	HIFI HRS V Bridge to J35	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J41	HIFI HRS V Conv 3 output J26	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J42	HIFI HRS V Bridge to J36	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J43	HIFI HRS V Conv 2 output J29	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHHRV	112420 J45	HIFI HRS V Conv 1 output J32	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J01	HIFI WBE H Data Main	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J02	HIFI WBE H Data Red	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J03	HIFI WBE H Power	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HHWEH	112510 J04	HIFI WBE H CCD I/F	TBD	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J05	HIFI WBE H Laser I/F	TBD	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J06	HIFI WBE H IFOUT 1	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J07	HIFI WBE H IFOUT 2	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J08	HIFI WBE H IFOUT 3	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J09	HIFI WBE H IFOUT 4	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J10	HIFI WBE H RFIN	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J11	HIFI WBE H COMBIN	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J12	HIFI WBE H RF TEST	SMA Female	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J13	HIFI WBE H CRTL/DC	MDM37P	Box	N/A	2W/SigHa on SVM Pan	
HHWEH	112510 J14	HIFI WBE H CRTL/DC	MDM37P	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J01	HIFI ICU DFU-FDU Prime	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J02	HIFI ICU DFU-FDU Red	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	

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HHICU	112600 J03	HIFI DFU Prime - Bus A Prime	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J04	HIFI DFU Prime -Bus B Prime	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J05	HIFI DFU Red -Bus A Red	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J06	HIFI DFU Red -Bus B Red	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J07	HIFI DFU Prime - FCU Prime Pwr	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J08	HIFI DFU Red - FCU Red Pwr	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J09	HIFI Cmd HK DFU Prime - FCU Prime	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J10	HIFI Cmd HK DFU Red - FCU Red	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J11	HIFI Cmd HK DFU Prime - LCU Prime	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J12	HIFI Cmd HK DFU Red - LCU Red	DAMA-15S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J13	HIFI Cmd HK DFU Prime - HRS V Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J14	HIFI Cmd HK DFU Red - HRS V Red	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J15	HIFI Cmd HK DFU Prime - WSB H Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J16	HIFI Cmd HK DFU Red - WSB H Red	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J17	HIFI Cmd HK DFU Prime - WBS V Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J18	HIFI Cmd HK DFU Red - WBS V Red	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J19	HIFI Cmd HK DFU Prime -HRS H Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HHICU	112600 J20	HIFI Cmd HK DFU Red -HRS H Red	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	

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HERSCHEL SPIRE (Item Code: 12*)							
SPIRE Units CVV IO (Item Code: 121*)							
HSFPU	121100 J01	SPIRE FPU PSW BDA F1B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J02	SPIRE FPU PSW BDA F2B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J03	SPIRE FPU PSW BDA F3B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J04	SPIRE FPU PSW BDA F4B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J05	SPIRE FPU PSW BDA F5B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J06	SPIRE FPU PSW BDA F6B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J07	SPIRE FPU PMW BDA F7B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J08	SPIRE FPU PMW BDA F8B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J09	SPIRE FPU PMW BDA F9B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J10	SPIRE FPU PMW BDA F10B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J11	SPIRE FPU PLW BDA F11B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J12	SPIRE FPU PLW BDA F12B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J13	SPIRE FPU SSW BDA F13B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J14	SPIRE FPU SSW BDA F14B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J15	SPIRE FPU SLW BDA F15B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J16	SPIRE FPU PTC F28B	MDM51S	Box	N/A	2F/SigHa FPU Internal	
HSFPU	121100 J17	SPIRE FPU Shutter (C10)	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J18	SPIRE FPU Shutter (C12)	MDM21S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J19	SPIRE FPU Filter Cooler (C10)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J20	SPIRE FPU Filter Cooler (C12)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J21	SPIRE FPU Filter Spect. Stim. (C10)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J22	SPIRE FPU Filter Spect. Stim. (C12)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J23	SPIRE FPU Termometry Prime (C10)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J24	SPIRE FPU Filter Termometry (C12)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J25	SPIRE FPU Filter BSM Phot. Stim. (C11)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J26	SPIRE FPU Filter BSM Phot. Stim (C13)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J27	SPIRE FPU Filter SMEC Launch Pr (C11)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J28	SPIRE FPU Filter SMEC Launch Re(C13)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J29	SPIRE FPU Filter SMEC Contr. Pr (C11)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSFPU	121100 J30	SPIRE FPU Filter SMEC Contr. Re (C13)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J01	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J02	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J03	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J04	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J05	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J06	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J07	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J08	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J09	SPIRE Bolom. Sign. from HDJFP5 (C7)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J10	SPIRE Bolom. Sign. from HSJFP5 (C7)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J11	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J12	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J13	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J14	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J15	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J16	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J17	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J18	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J19	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J20	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J21	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J22	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J23	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J24	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J25	PSW Bias Prime -DCU (C03)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J26	PSW Bias Red -DCU (C03)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J27	PMW/PLW Bias Prime -DCU (C03)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	

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HSJFP	121210 J28	PMW/PLW Bias Red -DCU (C03)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFP	121210 J29	SPIRE JFP to FPU F1B	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J30	SPIRE JFP to FPU F2B	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J31	SPIRE JFP to FPU F3B	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J32	SPIRE JFP to FPU F4B	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J33	SPIRE JFP to FPU F5B	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J34	SPIRE JFP to FPU F06	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J35	SPIRE JFP to FPU F07	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J36	SPIRE JFP to FPU F08	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J37	SPIRE JFP to FPU F09	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J38	SPIRE JFP to FPU F10	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J39	SPIRE JFP to FPU F11	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J40	SPIRE JFP to FPU F12	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J41	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J42	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J43	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J44	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J45	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J46	SPIRE JFP to J/P 25 26 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J47	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J48	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J49	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J50	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J51	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFP	121210 J52	SPIRE JFP to J/P 27 28 intern Bias	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J01	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J02	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J03	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J04	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J05	SLW Bolom. Ch 1-12 HSJFS (C01)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J06	SLW Bolom. Ch 13-24 HSJFS (C01)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J07	Bolom.300 mK T.C. (C02)	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J08	SPIRE Bolom. ????	MDM25P	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J09	SSW/SLW Bias Prime (C01)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J10	SSW/SLW Bias Red (C01)	MDM37S	Box	N/A	2C/SigHa FPU-CVV Fe	
HSJFS	121220 J11	SPIRE BDA SSW (F13)	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J12	SPIRE BDA SSW (F14)	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J13	SPIRE BDA SLW (F15)	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J14	SPIRE NTD (F28)	MDM51P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J15	SPIRE JFS to J09, J10 intern ??	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J16	SPIRE JFS to J09, J10 intern ??	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J17	SPIRE JFS to J09, J10 intern ??	MDM15P	Box	N/A	2F/SigHa FPU Internal	
HSJFS	121220 J18	SPIRE JFS to J09, J10 intern ??	MDM15P	Box	N/A	2F/SigHa FPU Internal	
SPIRE SVM Units (Item Code: 122*)							
HSDPU	122100 J01	DPU PDU Prim Pwr NOM (T3)	DEMA-09P-NMB-FO+GI	Box	N/A	1U/PwrHa from S/C C/	
HSDPU	122100 J02	DPU PDU Prim Pwr RED (T4)	DEMA-09P-NMB-FO+GI	Box	N/A	1U/PwrHa from S/C C/	
HSDPU	122100 J03	DPU Bus A 1553 IF NOM (T1) Spl to J5	DEMA-09S-NMB-FO+GI	Box	N/A	2U/SigHa from S/C C/	
HSDPU	122100 J04	DPU Bus B 1553 IF RED (T2) Spl to J6	DEMA-09S-NMB-FO+GI	Box	N/A	2U/SigHa from S/C C/	
HSDPU	122100 J05	DPU BUS A 1553 IF NOM (T1) Spl to J3	DEMA-09S-NMB-FO+GI	Box	N/A	2U/SigHa from S/C C/	
HSDPU	122100 J06	DPU Bus B 1553 IF RED (T2) Spl to J4	DEMA-09S-NMB-FO+GI	Box	N/A	2U/SigHa from S/C C/	
HSDPU	122100 J07	DPU DCU Ser I/F Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSDPU	122100 J08	DPU MCU Ser I/F Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSDPU	122100 J09	DPU SCU Ser I/F Prime	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSDPU	122100 J10	DPU DCU Ser I/F RED	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSDPU	122100 J11	DPU MCU Ser I/F RED	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSDPU	122100 J12	DPU SCU Ser I/F RED	DBMA-25P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSFCU	122200 J01	SPIRE FCU CMD IF SCU PR (W3)	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSFCU	122200 J02	SPIRE FCU CMD IF SCU RE (W4)	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSFCU	122200 J03	SPIRE FCU CMD IF MCU PR (W5)	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HSFCU	122200 J04	SPIRE FCU Cmd IF MCU RE (W6)	DBMA-25S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HSFCU	122200 J05	SPIRE FCU Prim Pwr Nom from S/C (T5)	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HSFCU	122200 J06	SPIRE FCU Prim Pwr Red from S/C (T6)	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HSFCU	122200 J07	SPIRE DCU Sec Pwr Sup Nom	DBMA-25S-NMB-FO	Box	N/A	2-/Signal	
HSFCU	122200 J08	SPIRE DCU Sec Pwr Sup Red	DBMA-25S-NMB-FO	Box	N/A	2-/Signal	
HSFCU	122200 J09	SPIRE FCU Sec Pwr Sup Nom (W7)	DAMA-15S-NMB-FO	Box	N/A	2-/Signal	
HSFCU	122200 J10	SPIRE FCU Sec Pwr Sup Red (W8)	DAMA-15S-NMB-FO	Box	N/A	2-/Signal	
HSFCU	122200 J11	FCU Heater (S10)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J12	FCU Heater (S12)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J13	FCU Phot. Stimulus Prime (S11)	DEMA-09S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J14	FCU Phot. Stimulus RE (S13)	DEMA-09S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J15	SPIRE FCU Shutter NO (S10) delete ?	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J16	SPIRE FCU Shutter RE (S12) delete ?	DAMA-15P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J17	FCU SMEC Contr. Pr (S11)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J18	FCU SMEC Contr Re (S13)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J19	FCU BSM Pr (S11)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J20	FCU BSM Re (S13)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J21	FCU Thermometry C Pr (S11)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J22	FCU Thermometry C Re (S13)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J23	FCU Thermometry Tail A Pr (S10)	DDMA-50S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J24	FCU Thermometry Tail A Re (S12)	DDMA-50S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J25	FCU Thermometry Tail B Pr (S10)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J26	FCU Thermometry Tail B Re (S12)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J27	Sh EGSE No Delete Fkt in SVM CB	TBD	Box	N/A	2-/Signal	
HSFCU	122200 J28	Sh EGSE Re Delete Fkt in SVM CB	TBD	Box	N/A	2-/Signal	
HSFCU	122200 J29	FCU SMEC Launch Pr (S11)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J30	FCU SMEC Launch Re (S13)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HSFCU	122200 J90	FCU Shutter EGSE ??? Delete	TBD	Box	N/A	2-/Signal	
HSFCU	122200 J91	FCU Mech Launch Lock ??? Delete	TBD	Box	N/A	2-/Signal	
HSFCU	122200 J92	FCU Shutter EGSE ??? Delete	TBD	Box	N/A	2T/SigHa Testequipm.	
HSFCU	122200 J93	FCU Mech Launch Lock ??? Delete	TBD	Box	N/A	2T/SigHa Testequipm.	
HSDCU	122300 J01	DCU DPU Cmd IF P (W1)	DBMA-25S-NMB-FO+ GI	Box	N/A	2W/SigHa on SVM Pan	
HSDCU	122300 J02	DCU DPU Cmd IF R (W2)	DBMA-25S-NMB-FO+ GI	Box	N/A	2W/SigHa on SVM Pan	
HSDCU	122300 J03	DCU FCU Sec Pwr P (W7)	DBMA-25P-NMB-FO+ GI	Box	N/A	1P/PwrHa on SVM Pan	
HSDCU	122300 J04	DCU FCU Sec Pwr R (W8)	DBMA-25P-NMB-FO+ GI	Box	N/A	1P/PwrHa on SVM Pan	
HSDCU	122300 J05	DCU JFP PSW Ch 1-16 (S09)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J06	DCU JFP PSW Ch 17-32 (S09)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J07	DCU JFP PSW Ch 33-48 (S09)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J08	DCU JFP PSW Ch 49-64 (S08)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J09	DCU JFP PSW Ch 65-80 (S08)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J10	DCU JFP PSW Ch 81-96 (S08)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J11	DCU JFP PSW Ch 97-112 (S07)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J12	DCU JFP PSW Ch 113-128 (S07)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J13	DCU JFP PSW Ch 129-144 (S07)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J14	DCU JFP PLW Ch 1-16 (S06)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J15	DCU JFP PLW Ch 17-32 (S06)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J16	DCU JFP PLW Ch 33-48 (S06)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J17	DCU JFP PMW Ch 1-16 (S05)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J18	DCU JFP PMW Ch 17-32 (S05)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J19	DCU JFP Ch 33-48 PMW (B05)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J20	DCU JFP PMW Ch 49-64 (S04)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J21	DCU JFP PMW Ch 65-80 (S04)	DDMA-50P-NMB-FO+ G	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J22	DCU JFP PMW Ch 81-93 + PTC (S04)	DDMA-50P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J23	DCU JFS SSW Ch 1-12 (S02)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J24	DCU JFS SSW Ch 13-24 (S02)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J25	DCU JFS SSW Ch 25-36 (S02)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J26	DCU JFS SSW Ch 37-48 (S02)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J27	DCU JFS SLW Ch 1-12 (S01)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J28	DCU JFS SLW Ch 13-24 (S01)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J29	DCU Phot. Bias Prime (S03)	DDMA-78S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HSDCU	122300 J30	DCU Phot. Bias Red (S03)	DDMA-78P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J31	DCU JFS Spect Bias Prime (S01)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	
HSDCU	122300 J32	DCU JFS Spect Bias Red (S01)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon +	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HERSCHEL PACS (Item Code: 13*)							
PACS Units CVV IO (Item Code: 131*)							
HPFFPU	131100 J01	FPU MEC1 Filter Wh1 NO (77-81)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J02	FPU MEC2 Filter Wh1 RE (82-86)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J03	FPU MEC1 Filter Wh2 NO (87-91)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J04	FPU MEC2 Filter Wh2 RE (92-96)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J05	FPU MEC1 CalSrc 1/2 NO (117-119)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J06	FPU MEC2 CalSrc 1/2 RE (120-122)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J07	FPU MEC1Chopper PR (113-116a)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J08	FPU MEC1 TeSens T1/T2 (123)	MWDM2L-09S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J09	FPU MEC2 TeSens T3/T4 (124)	MWDM2L-09S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J10	FPU DEC2 DeSupBia G1(2,3)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J11	FPU DEC2 Log Sup G1(1)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J12	FPU DEC2 CREOuta G1 (13a,17-23)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J13	FPU DEC2 CREOutb G1 (13b,24-31)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J14	FPU DEC2 TeSenHtrG1/2 (75)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J15	FPU DEC2 DB1CREOutbG2 (14b,39-45)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J16	FPU DEC2 Clk,Sy,Out G2 (14a,32-38)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J17	FPU DEC2 DB1 Log Sig G2 (4)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J18	FPU DEC2 DB1 DcSup Bia G2 (5,6)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J20	FPU DEC1 DB2 DcSup Bia G3 (8,9)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J21	FPU DEC1 DB2 LogSig G3 (7)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J22	FPU DEC1 DB2 Outa Sup G3 (15a,46-52)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J23	FPU DEC1 DB2 Outb Sup G3 (15b,53-60)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J24	FPU DEC1 DB2 TeSensHtr G3/4 (76)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J25	FPU DEC1 DB2 Clk,Sy,Outb G4 (16b,68-74)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J26	FPU DEC1 DB2 Clk,Sy,Outa G4 (16a,61-67)	MWDM2L-25S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J27	FPU DEC1 DB2 LogSig G4 (10)	MWDM2L-15S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J28	FPU DEC1 DB2 DcSup Bia G4 (11,12)	MWDM2L-31S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J40	FPU MEC1 GratDrv NO (97-99)	MWDM2L-21S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J41	FPU MEC1 GratSens NO (100-104)	MWDM2L-21S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J42	FPU MEC2 GratDrv RE (105-107)	MWDM2L-21S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J43	FPU MEC2 GratSens RE (108-112)	MWDM2L-21S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J50	FPU BOLA CL01 Diff Out (501)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J51	FPU BOLA CL01 Diff Out (502)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J52	FPU BOLA Filter 1 (503-505)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J53	FPU BOLA CL02 Diff Out (506)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J54	FPU BOLA CL02 Diff Out (507)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J55	FPU BOLA Filter 2 (508-510)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J56	FPU BOLA CL03 Diff Out (511)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J57	FPU BOLA CL03 Diff Out (512)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J58	FPU BOLA Filter 3 (513-515)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J59	FPU BOLA CL04 Diff Out (516)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J60	FPU BOLA CL04 Diff Out (517)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J61	FPU BOLA Filter 4 (518-520)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J62	FPU BOLA CL05 Diff Out (521)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J63	FPU BOLA Filter 5 (522-524)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J64	FPU BOLA CL06 Diff Out (525)	MWDM2L-37P-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J65	FPU BOLA Filter 6 (526-528)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J66	FPU BOLC Heater/Cooler NO (541-544)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J67	FPU BOLC Heater/ Cooler RE (545-548)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J68	FPU BOLC Heater/Cooler NO (529-534)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 J69	FPU BOLC Heater/Cooler RE (535-540)	MWDM2L-37S-6C3-630	Box	N/A	2C/SigHa FPU-CVV Fe	
HPFFPUT1	131111 J308	PACS Temp. Sensor T1 (FPU Harn)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFFPUT2	131112 J318	PACS Temp. Sensor T2 (FPU Harn)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	

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HPFPUT3	131113 J309	PACS Temp. Sensor T3 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFPUT4	131114 J319	PACS Temp. Sensor T4 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPCALS1	131121 J305	PACS Calibr. Source 1 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPCALS2	131122 J306	PACS Calibr. Source 2 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPCHOP	131130 J307	PACS Chopper (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFWHR1	131141 J301	PACS Filter Whr 1 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFWHR1	131141 J302	PACS Filter Whr 1 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFWHR2	131142 J303	PACS Filter Whr 2 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPFWHR2	131142 J304	PACS Filter Whr 2 (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPGRAT	131150 J308	PACS Grating ??? Nom (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPGRAT	131150 J309	PACS Grating ??? Red (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPGRAT	131150 J310	PACS Grating ??? Nom (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPGRAT	131150 J311	PACS Grating??? RED (FPU harm)	Box Responsible Pin	Box	N/A	2F/SigHa FPU Internal	
HPBOLA	131200 J01	BOLA FPU CL01 Diff IN (501)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J02	BOLA FPU CL01 Diff IN (502)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J03	BOLA FPU Filter 1 (503..505)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J04	BOLA FPU CL02 Diff IN (506)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J05	BOLA FPU CL02 Diff IN (507)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J06	BOLA FPU Filter 2 (508..510)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J07	BOLA FPU CL03 Diff IN (511)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J08	BOLA FPU CL03 Diff IN (512)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J09	BOLA FPU Filter 3 (513-515)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J10	BOLA FPU CL04 Diff IN (516)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J11	BOLA FPU CL04 Diff IN (517)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J12	BOLA FPU Filter 4 (518-520)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J13	BOLA FPU CL05 Diff IN (521)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J14	BOLA FPU Filter 5 (522-524)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J15	BOLA FPU CL06 Diff IN (525)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J16	BOLA FPU Filter 6 (526-528)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J17	BOLA BOLC FPU CL01 Read Out (601)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J18	BOLA BOLC FPU CL01 Read Out (602)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J19	BOLA BOLC FPU Bias 1 (603a,603..605)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J20	BOLA BOLC FPU CL02 Read Out (606)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J21	BOLA BOLC FPU CL02 Read Out (607)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J22	BOLA BOLC FPU Bias 2 (608a,608..610)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J23	BOLA BOLC FPU CL03 Read Out (611)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J24	BOLA BOLC FPU CL03 Read Out (612)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J25	BOLA BOLC FPU Bias 3 (613a,613..615)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J26	BOLA BOLC FPU CL04 Read Out (616)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J27	BOLA BOLC FPU CL04 Read Out (617)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J28	BOLA BOLC FPU Bias 4 (618a,618..620)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J29	BOLA BOLC FPU CL05 Read Out (621)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J30	BOLA BOLC FPU Bias 5 (622a,622..624)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J31	BOLA BOLC FPU CL06 Read Out (625)	MWDM2L-37P-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	
HPBOLA	131200 J32	BOLA BOLC FPU Bias 6 (626a,626..628)	MWDM2L-37S-6C3-630	Box	N/A	2I/SigHa FeedTh-SVM	

PACS SVM Units (Item Code: 132*)

HPDECMC	132100 J01	MEC1 DPU com NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J02	MEC1 SPU1 Blue data OUT NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J03	MEC1 SPU1 Red data out NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J04	MEC1 BOLC data NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J05	MEC1 DEC1 data (1355) NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J06	MEC1 DEC2 data (1355) NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J07	MEC1 DEC1 sync NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J08	MEC1 DEC2 sync NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J09	MEC1 BOLC sync NO	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J10	MEC1 SPU1 HK NO	MWDM2L-15P-6C3-630	Box	N/A	2W/SigHa on SVM Pan	

Item
Connector List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HPDECMC	132100 J11	MEC1 FPU GratDrv NO (97..99)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J12	MEC1 FPU GratSens NO (100..104)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J13	MEC1 FPU Filterwh 1 NO (77..81)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J14	MEC1 FPU Filterwh 2 NO (87-91)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J15	MEC1 FPU Cal Src NO (117-119)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J16	MEC1 FPU T1/T2 NO (123)	DEMA-09S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J17	MEC1 FPU Chopper In (113-116a)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J18	MEC1 MEC2 Chopper Out NO ???	Not known Pin	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132100 J20	MEC1 DSP Test ???	Not known Pin	Box	N/A	2T/SigHa Testequipm.	
HPDECMC	132100 J21	MEC1 MECH Test NO ???	Not known Pin	Box	N/A	2T/SigHa Testequipm.	
HPDECMC	132100 J51	DEC1 FPU DB2 DCsup Bia G3 (8,9)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J53	DEC1 FPU DB2 LogSig G3 (7)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J55	DEC1 FPU DB1 Clk,Sy,Outa G3 (15a,46-52)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J57	DEC1 FPU DB2 Clk,Sy,Outb G3 (15b,53-60)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J62	DEC1 FPU DB1 DcSup,Bia G4 (11,12)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J64	DEC1 FPU DB1 LogSig G4 (10)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J66	DEC1 FPU DB1 Clk,Sy,Outa G4 (16a,61-67)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J68	DEC1 FPU DB1 Clk,Sy,Outb G4 (16b,68-74)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132100 J78	DEC1 FPU TeSens,Htr G3/4 (76)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J01	MEC2 DPU com RE	DEMA-09P-NMB-FO	Box	N/A	2U/SigHa from S/C C/	
HPDECMC	132200 J02	MEC2 SPU2 Blue data out RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J03	MEC2 SPU2 Red data out RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J04	MEC2 BOLC data RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J05	MEC2 DEC1 data RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J06	MEC2 DEC2 data RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J07	MEC2 DEC1 sync RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J08	PACS MEC2 DEC2 sync RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J09	PACS MEC2 BOLC sync RE	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J10	MEC2 SPU2 HK RE	MWDM2L-15P-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPDECMC	132200 J11	MEC2 FPU GratDrv RE (105..107)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J12	MEC2 FPU GratSens RE (108..112)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J13	MEC2 FPU Filterwh 1 RE (82..86)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J14	MEC2 FPU Filterwh 2 RE (92-96)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J15	MEC2 FPU CalSrc RE (120-122)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J16	MEC2 FPU T3/T4 RE (124)	DEMA-09S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J17	PACS MEC2 MEC1Chop In ?????	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J18	MEC2 Chop Out not used	MWDM2L-09S-6C3-630	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J20	MEC2 DSP Test ? RE	Not known Pin	Box	N/A	2T/SigHa Testequipm.	
HPDECMC	132200 J21	MEC2 MECH Test RE	Not known Pin	Box	N/A	2T/SigHa Testequipm.	
HPDECMC	132200 J51	DEC2 FPU DB1 DCsup Bia G1 (2,3)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J53	DEC2 FPU DB1 Log Sig (1)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J55	DEC2 FPU DB1 Clk,Sy,Outa G1 (13a,17-23)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J57	DEC2 FPU DB1 Clk,Sy,Outb G1 (13b,24-31)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J62	DEC2 FPU DB1 DcSup Bia G2 (5,6)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J64	DEC2 FPU DB1 Log Sig G2 (4)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J66	DEC2 FPU DB1Clk,Sy,Out G2 (14a,32-38)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J68	DEC2 FPU DB1 Clk/Sy/Outb G2 (14b,39-45)	DBMA-25S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 J78	DEC2 FPU DB1 Grp1/2 Te Sens (75)	DAMA-15S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPDECMC	132200 P17	PACS MEC2 MEC1Chop In ?????	DCMA-37P-NMB-FO	Box	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P18	MEC2 Chop Out not used	MWDM2L-09P-6C3-630	Box	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P20	MEC2 DSP Test ? RE	Not known Socket	Box	TBC	2T/SigHa Testequipm.	
HPDECMC	132200 P21	MEC2 MECH Test RE	Not known Socket	Box	TBC	2T/SigHa Testequipm.	
HPBOLC	132300 J01	BOLC BOLA FPU CL01 Read Out (601)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J02	BOLC BOLA FPU CL01 Read Out (602)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J03	BOLC BOLA Bias 1 (603a,603..605)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HPBOLC	132300 J04	BOLC BOLA FPU CL02 Read Out (606)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J05	BOLC BOLA FPU CL02 Read Out (607)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J06	BOLC BOLA Bias 2 (608a,608..610)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J07	BOLC BOLA FPU CL03 Read Out (611)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J08	BOLC BOLA FPU CL03 Read Out (612)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J09	BOLC BOLA Bias 3 (613a,613..615)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J10	BOLC BOLA FPU CL04 Read Out (616)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J11	BOLC BOLA FPU CL04 Read Out (617)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J12	BOLC BOLA FPU Bias 4 (618a,618..620)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J13	BOLC BOLA FPU CL05 Read Out (621)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J14	BOLC BOLA FPU Bias 5 (622a,622..624)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J15	BOLC BOLA FPU CL06 Read Out (625)	DCMA-37P-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J16	BOLC BOLA FPU Bias 6 (626a,626..628)	DCMA-37S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J17	BOLC FPU Htr/Cooler NO (529-34,541-544)	DCMA-62S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J18	BOLC FPU Htr/Cooler RE (535-540,545-548)	DCMA-62S-NMB-FO	Box	N/A	2B/SigHa Box-SVMCon	
HPBOLC	132300 J21	BOLC DEC/MEC Syn./Chop. MAIN ?	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J22	BOLC DEC/MEC Syn./Chop. RED?	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J23	BOLC DEC/MEC 1355 MAIN	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J24	BOLC DEC/MEC 1355 RED	DEMA-09S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J25	BOLC Prim Pwr NOM	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HPBOLC	132300 J26	BOLC Prim Pwr RED	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HPBOLC	132300 J27	BOLC Sec Pwr NOM Out	DCMA-37S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J28	BOLC Sec Pwr RE Out	DCMA-37S-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J29	BOLC Sec Pwr NOM In	DCMA-37P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 J30	BOLC Sec Pwr RE In	DCMA-37P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPBOLC	132300 P21	BOLC DEC/MEC Syn./Chop. MAIN ?	DEMA-09P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P22	BOLC DEC/MEC Syn./Chop. RED?	DEMA-09P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P23	BOLC DEC/MEC 1355 MAIN	DEMA-09P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P24	BOLC DEC/MEC 1355 RED	DEMA-09P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P25	BOLC Prim Pwr NOM	DEMA-09S-NMB-FO	Box	TBC	1U/PwrHa from S/C C/	
HPBOLC	132300 P26	BOLC Prim Pwr RED	DEMA-09S-NMB-FO	Box	TBC	1U/PwrHa from S/C C/	
HPBOLC	132300 P27	BOLC Sec Pwr NOM Out	DCMA-37P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P28	BOLC Sec Pwr RE Out	DCMA-37P-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P29	BOLC Sec Pwr NOM In	DCMA-37S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPBOLC	132300 P30	BOLC Sec Pwr RE In	DCMA-37S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 J01	DPU Prim Pwr NO	DAMA-15P-NMB-FO	Box	N/A	1S/PwrHa from S/C C/	
HPDPU	132400 J02	DPU OBDAH Bus NO	DAMA-15P-NMB-FO	Box	N/A	2U/SigHa from S/C C/	
HPDPU	132400 J03	DPU Prim Pwr RE	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HPDPU	132400 J04	DPU OBDAH Bus RE	DEMA-09S-NMB-FO	Box	N/A	2U/SigHa from S/C C/	
HPDPU	132400 J05	DPU SPU Blue Data IN PR	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 J06	DPU SPU Red Data IN PR	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 J07	DPU DEC/MEC com PR	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 J08	DPU SPU Blue Data IN RE	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 J09	DPU SPU Red Data IN RE	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 J10	DPU DEC/MEC com RE	DEMA-09P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPDPU	132400 P01	DPU Prim Pwr NO	DAMA-15S-NMB-FO	Box	TBC	1S/PwrHa from S/C C/	
HPDPU	132400 P02	DPU OBDAH Bus NO	DAMA-15S-NMB-FO	Box	TBC	2U/SigHa from S/C C/	
HPDPU	132400 P03	DPU Prim Pwr RE	DEMA-09S-NMB-FO	Box	TBC	1U/PwrHa from S/C C/	
HPDPU	132400 P04	DPU OBDAH Bus RE	DEMA-09P-NMB-FO	Box	TBC	2U/SigHa from S/C C/	
HPDPU	132400 P05	DPU SPU Blue Data IN PR	DAMA-15S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 P06	DPU SPU Red Data IN PR	DAMA-15S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 P07	DPU DEC/MEC com PR	DEMA-09S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 P08	DPU SPU Blue Data IN RE	DEMA-09S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 P09	DPU SPU Red Data IN RE	DEMA-09S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPDPU	132400 P10	DPU DEC/MEC com RE	DEMA-09S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 J11	SPU1 Prim Pwr NO	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HPSPU1	132500 J13	SPU1 ANA HK NO	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J21	SPU1 1355 SWL LINK 1	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	

Item
Connector List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HPSPU1	132500 J22	SPU1 1355 SWL LINK 2	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J23	SPU1 1355 SWL LINK 3	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J24	SPU1 JTAG SWL	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J31	SPU1 1355 LWL LINK 1	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J32	SPU1 1355 LWL LINK 2	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J33	SPU1 1355 LWL LINK 3	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 J34	SPU1 JTAG LWL	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU1	132500 P11	SPU1 Prim Pwr NO	DEMA-09S-NMB-FO	Box	TBC	1U/PwrHa from S/C C/	
HPSPU1	132500 P13	SPU1 ANA HK NO	DAMA-15S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P21	SPU1 1355 SWL LINK 1	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P22	SPU1 1355 SWL LINK 2	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P23	SPU1 1355 SWL LINK 3	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P24	SPU1 JTAG SWL	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P31	SPU1 1355 LWL LINK 1	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P32	SPU1 1355 LWL LINK 2	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P33	SPU1 1355 LWL LINK 3	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU1	132500 P34	SPU1 JTAG LWL	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 J11	SPU2 Prim Pwr RE	DEMA-09P-NMB-FO	Box	N/A	1U/PwrHa from S/C C/	
HPSPU2	132600 J13	SPU2 ANA HK RE	DAMA-15P-NMB-FO	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J21	SPU2 1355 SWL LINK 1	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J22	SPU2 1355 SWL LINK 2	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J23	SPU2 1355 SWL LINK 3	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J24	SPU2 JTAG SWL	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J31	SPU2 1355 LWL LINK 1	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J32	SPU2 1355 LWL LINK 2	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J33	SPU2 1355 LWL LINK 3	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 J34	SPU2 JTAG LWL	MWDM2L-09S-6C3-630	Box	N/A	2W/SigHa on SVM Pan	
HPSPU2	132600 P11	SPU2 Prim Pwr RE	DEMA-09S-NMB-FO	Box	TBC	1U/PwrHa from S/C C/	
HPSPU2	132600 P13	SPU2 ANA HK RE	DAMA-15S-NMB-FO	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P21	SPU2 1355 SWL LINK 1	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P22	SPU2 1355 SWL LINK 2	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P23	SPU2 1355 SWL LINK 3	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P24	SPU2 JTAG SWL	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P31	SPU2 1355 LWL LINK 1	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P32	SPU2 1355 LWL LINK 2	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P33	SPU2 1355 LWL LINK 3	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	
HPSPU2	132600 P34	SPU2 JTAG LWL	MWDM2L-09P-6C3-630	Box	TBC	2W/SigHa on SVM Pan	

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TBD (Item Code: 14*)

TBD (Item Code: 141*)

HTU	141000 J01	Heater Power Supply M1 and M2 Nom	MS27497T14F18SN	Itm	N/A	1-/Power	
HTU	141000 J02	Heater Power Supply M1 and M2 Red	MS27497T14F18SA	Itm	N/A	1-/Power	
HTU	141000 J03	Thermistors M1 and M2 Nom	MS27497T12F35PN	Itm	N/A	2-/Signal	
HTU	141000 J04	Thermistors M1 and M2 Red	MS27497T12F35PA	Itm	N/A	2-/Signal	
HTU	141000 P01	Heater Power Supply M1 and M2 Nom	MS27484T14F18PN	Itm	TBD	1-/Power	
HTU	141000 P02	Heater Power Supply M1 and M2 Red	MS27484T14F18PA	Itm	TBD	1-/Power	
HTU	141000 P03	Thermistors M1 and M2 Nom	MS27484T12F35SN	Itm	TBD	2-/Signal	
HTU	141000 P04	Thermistors M1 and M2 Red	MS27484T12F35SA	Itm	TBD	2-/Signal	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
TBD (Item Code: 21*)							
CES (Item Code: 214*)							
CCU	214100 J01	CCU I/F 1 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J02	CCU I/F 2 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J03	CCU I/F 3 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J04	CCU I/F 4 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J05	CCU I/F 5 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J06	CCU I/F 6 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J07	CCU I/F 7 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J08	CCU I/F 8 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J09	CCU I/F 9 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J10	CCU I/F 10 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J11	CCU I/F 11 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J12	CCU I/F 12 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J13	CCU I/F 13 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J14	CCU I/F 14 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J15	CCU I/F 15 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J16	CCU I/F 16 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J17	CCU I/F 17 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J18	CCU I/F 18 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J19	CCU I/F 19 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J20	CCU I/F 20 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J21	CCU I/F 21 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J22	CCU I/F 22 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J23	CCU I/F 23 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J24	CCU I/F 24 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	
CCU	214100 J25	CCU I/F 25 to CCS	DDMA-50P-NMB-FO	Box	NVA	2B/SigHa Box-SVMCon	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
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TBD (Item Code: 31*)

HSVM SPIRE CB (Item Code: 312*)

HSSVMCB	312000 P14	SPIRE SVM CB JA Shutter access (I10)	SVM CB Rd Plu w 100 S Itm	TBC		2T/SigHa Testequipm.	
HSSVMCB	312000 P15	SPIRE SVM CB JB Shutter access (I11)	SVM CB Rd Plu w 100 S Itm	TBC		2T/SigHa Testequipm.	
HSSVMCB	312000 P16	SPIRE SVM CB JC Shutter access (I12)	SVM CB Rd Plu w 100 S Itm	TBC		2T/SigHa Testequipm.	
HSSVMCB	312000 P17	SPIRE SVM CB JD Shutter access (I13)	SVM CB Rd Plu w 100 S Itm	TBC		2T/SigHa Testequipm.	

12.2 Harness Connector List (CAL)

Describing text tbd

See Item Connector List CAL on next pages

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
<u>HERSCHEL HIFI (Item Code: 11*)</u>							
HIFI Units CVV IO (Item Code: 111*)							
HHFPU	111100 P01	HIFI FPU IF1-H	Coax Socket tbd	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P02	HIFI FPU IF2-H	Coax Socket tbd	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P03	HIFI FPU IF1-V	Coax Socket tbd	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P04	HIFI FPU IF2-V	Coax Socket tbd	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P11	HIFI FPU Mixer Bias 1 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P12	HIFI FPU Mixer Bias 2 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P13	HIFI FPU Mixer Bias 3 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P14	HIFI FPU Mixer Bias 4 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P15	HIFI FPU Mixer Bias 5 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P16	HIFI FPU Mixer Bias 6 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P17	HIFI FPU Mixer Bias 7 Hor.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P18	HIFI FPU Mixer Bias 1 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P19	HIFI FPU Mixer Bias 2 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P20	HIFI FPU Mixer Bias 3 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P21	HIFI FPU Mixer Bias 4 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P22	HIFI FPU Mixer Bias 5 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P23	HIFI FPU Mixer Bias 6 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P24	HIFI FPU Mixer Bias 7 Ver.	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P25	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P26	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P27	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P28	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P29	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P32	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P33	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P34	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P35	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P36	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P39	HIFI FPU 1. IF Ampl. 1 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P40	HIFI FPU 1. IF Ampl. 2 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P41	HIFI FPU 1. IF Ampl. 3 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P42	HIFI FPU 1. IF Ampl. 4 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P43	HIFI FPU 1. IF Ampl. 5 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P44	HIFI FPU 1. IF Ampl. 6 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P45	HIFI FPU 1. IF Ampl. 7 Hor	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P46	HIFI FPU 1. IF Ampl. 1 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P47	HIFI FPU 1. IF Ampl. 2 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P48	HIFI FPU 1. IF Ampl. 3 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P49	HIFI FPU 1. IF Ampl. 4 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P50	HIFI FPU 1. IF Ampl. 5 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P51	HIFI FPU 1. IF Ampl. 6 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P52	HIFI FPU 1. IF Ampl. 7 Ver	MWDM2L-09S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P53	HIFI FPU 2. IF Ampl. 1 Hor	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P54	HIFI FPU 2. IF Ampl. 2 Hor	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P55	HIFI FPU 2. IF Ampl. 3 Hor	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P56	HIFI FPU 2. IF Ampl. 1 Ver	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P57	HIFI FPU 2. IF Ampl. 2 Ver	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P58	HIFI FPU 2. IF Ampl. 3 Ver	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P59	HIFI FPU 2. IF Ampl. Therm. Prime	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P60	HIFI FPU 2. IF Ampl. Therm. Red.	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P61	HIFI FPU Chopper Prime	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P62	HIFI FPU Choper Red.	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P63	HIFI FPU Thermistors Prime	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P64	HIFI FPU Thermistors Red.	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P65	HIFI FPU Calibrator Prime	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P66	HIFI FPU Calibrator Red.	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHFPU	111100 P67	HIFI FPU Diplexer Hor	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	

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HHFPU	111100 P68	HIFI FPU Diplexer Ver	MWDM2L-21S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HHLOU	111200 P01	HIFI LOU ??? I a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P02	HIFI LOU ??? I b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P03	HIFI LOU ??? II a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P04	HIFI LOU ??? II b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P05	HIFI LOU ??? III a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P06	HIFI LOU ??? III b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P07	HIFI LOU ??? IV a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P08	HIFI LOU ??? IV b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P09	HIFI LOU ??? V a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P10	HIFI LOU ??? V b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P11	HIFI LOU ??? VI a	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P12	HIFI LOU ??? VI b	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P13	HIFI LOU ??? VI c	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P14	HIFI LOU ??? VI d	DDMA-50P-NMB-FO	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P15	HIFI LOU Heater 1 ????	Not known Socket	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLOU	111200 P16	HIFI LOU Heater 2 ????	Not known Socket	H/N	TBC	2I/SigHa FeedTh-SVM	
HHLWU	111400 P01	HIFI LWU	Not known Socket	H/N	TBC	2I/SigHa FeedTh-SVM	
HIFI SVM Units (Item Code: 112*)							
HHLCU	112100 P01	HIFI LCU LOU Ia ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P02	HIFI LCU LOU Ib ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P03	HIFI LCU LOU Iia ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P04	HIFI LCU LOU Iib ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P05	HIFI LCU LOU IIIa ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P06	HIFI LCU LOU IIIb ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P07	HIFI LCU LOU Iva ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P08	HIFI LCU LOU Ivb ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P09	HIFI LCU LOU Va ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P10	HIFI LCU LOU Vb ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P11	HIFI LCU LOU Via ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P12	HIFI LCU LOU Vib ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P13	HIFI LCU LOU Vic ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P14	HIFI LCU LOU Vid ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P21	HIFI LCU LOU Heater Main???	DEMA-09S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P22	HIFI LCU LOU Heater Red???	DAMA-15S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HHLCU	112100 P23	HIFI LCU ???	DEMA-09P-NMB-FO+GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P24	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P25	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P26	HIFI LCU ????	DEMA-09P-NMB-FO+GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P27	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P28	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P29	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P30	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P31	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P32	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHLCU	112100 P33	HIFI LCU ???	DBMA-44P-NMB-FO+ GI	H/N	TBC	2W/SigHa on SVM Pan	
HHFCU	112300 P11	HIFI FCU Mixer bias Hor.	DBMA-44S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P12	HIFI FCU Magnets & Heaters Hor.	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P14	HIFI FCU 1. IF Ampl. Hor.	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P15	HIFI FCU 2. IF Ampl. Hor.	DCMA-62P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P16	HIFI FCU Chop. Cal. Therm. Main.	DCMA-62S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P17	HIFI FCU Diplexer Hor.	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P21	HIFI FCU Mixer bias Ver.	DBMA-44S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P22	HIFI FCU Magnets & Heaters Ver.	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P24	HIFI FCU 1. IF Ampl. Ver.	DBMA-44P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P25	HIFI FCU 2. IF Ampl. Ver.	DCMA-62P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P26	HIFI FCU Chop. Cal. Therm Red.	DCMA-62S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HHFCU	112300 P27	HIFI FCU Diplexer Ver.	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HHFCU	112300 P31	HIFI FCU IF1-H	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	+
HHFCU	112300 P32	HIFI FCU IF2-H	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	+
HHFCU	112300 P33	HIFI FCU IF1-V	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	+
HHFCU	112300 P34	HIFI FCU IF2-V	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	+
HHFCU	112300 P41	HIFI FCU IF ????	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	
HHFCU	112300 P42	HIFI FCU IF ????	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	
HHFCU	112300 P43	HIFI FCU IF ????	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	
HHFCU	112300 P44	HIFI FCU IF ????	SMA Male	H/N	TBC	2B/SigHa Box-SVMCon	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
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HERSCHEL SPIRE (Item Code: 12*)

SPIRE Units CVV IO (Item Code: 121*)

HSFPU	121100 P17	SPIRE FPU Shutter (C10)	MDM21P w Glen 500T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P18	SPIRE FPU Shutter (C12)	MDM21P w Glen 500T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P19	SPIRE FPU Filter Cooler (C10)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P20	SPIRE FPU Filter Cooler (C12)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P21	SPIRE FPU Filter Spect. Stim. (C10)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P22	SPIRE FPU Filter Spect. Stim. (C12)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P23	SPIRE FPU Termometry Prime (C10)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P24	SPIRE FPU Filter Termometry (C12)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P25	SPIRE FPU Filter BSM Phot. Stim. (C11)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P26	SPIRE FPU Filter BSM Phot. Stim (C13)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P27	SPIRE FPU Filter SMEC Launch Pr (C11)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P28	SPIRE FPU Filter SMEC Launch Re(C13)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P29	SPIRE FPU Filter SMEC Contr. Pr (C11)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSFPU	121100 P30	SPIRE FPU Filter SMEC Contr. Re (C13)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P01	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P02	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P03	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P04	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P05	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P06	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P07	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P08	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P09	SPIRE Bolom. Sign. from HDJFP5 (C7)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P10	SPIRE Bolom. Sign. from HSJFP5 (C7)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P11	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P12	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P13	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P14	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P15	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P16	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P17	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P18	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P19	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P20	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P21	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P22	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P23	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P24	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P25	PSW Bias Prime -DCU (C03)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P26	PSW Bias Red -DCU (C03)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P27	PMW/PLW Bias Prime -DCU (C03)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFP	121210 P28	PMW/PLW Bias Red -DCU (C03)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P01	SSW Bolom. Sign. HSJFS (C02)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P02	SSW Bolom. Sign. HSJFS (C02)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P03	SSW Bolom. Sign. HSJFS (C02)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P04	SSW Bolom. Sign. HSJFS (C02)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P05	SLW Bolom. Ch 1-12 HSJFS (C01)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P06	SLW Bolom. Ch 13-24 HSJFS (C01)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P07	Bolom.300 mK T.C. (C02)	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P08	SPIRE Bolom. ????	MDM25S w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P09	SSW/SLW Bias Prime (C01)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	
HSJFS	121220 P10	SSW/SLW Bias Red (C01)	MDM37P w Glen 500 T	H/N	TBC	2C/SigHa FPU-CVV Fe	

SPIRE SVM Units (Item Code: 122*)

HSFCU	122200 P11	FCU Heater (S10)	DBMA-25P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P12	FCU Heater (S12)	DBMA-25P-NMB-FO+ GI	H/N	TBC	2B/SigHa Box-SVMCon	

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HSFCU	122200 P13	FCU Phot. Stimulus Prime (S11)	DEMA-09P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P14	FCU Phot. Stimulus RE (S13)	DEMA-09P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P15	SPIRE FCU Shutter NO (S10) delete ?	DAMA-15P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P16	SPIRE FCU Shutter RE (S12) delete ?	DAMA-15S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P17	FCU SMEC Contr. Pr (S11)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P18	FCU SMEC Contr Re (S13)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P19	FCU BSM Pr (S11)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P20	FCU BSM Re (S13)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P21	FCU Thermometry C Pr (S11)	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P22	FCU Thermometry C Re (S13)	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P23	FCU Thermometry Tail A Pr (S10)	DDMA-50P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P24	FCU Thermometry Tail A Re (S12)	DDMA-50P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P25	FCU Thermometry Tail B Pr (S10)	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P26	FCU Thermometry Tail B Re (S12)	DAMA-15P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P29	FCU SMEC Launch Pr (S11)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P30	FCU SMEC Launch Re (S13)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon	
HSFCU	122200 P90	FCU Shutter EGSE ????? Delete	TBD	H/N	TBC	2T/SigHa Testequipm.	
HSFCU	122200 P91	FCU Mech Launch Lock ????? Delete	TBD	H/N	TBC	2T/SigHa Testequipm.	
HSFCU	122200 P92	FCU Shutter EGSE ????? Delete	TBD	H/N	TBC	2T/SigHa Testequipm.	
HSFCU	122200 P93	FCU Mech Launch Lock ????? Delete	TBD	H/N	TBC	2T/SigHa Testequipm.	
HSDCU	122300 P05	DCU JFP PSW Ch 1-16 (S09)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P06	DCU JFP PSW Ch 17-32 (S09)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P07	DCU JFP PSW Ch 33-48 (S09)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P08	DCU JFP PSW Ch 49-64 (S08)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P09	DCU JFP PSW CH 65-80 (S08)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P10	DCU JFP PSW Ch 81-96 (S08)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P11	DCU JFP PSW Ch 97-112 (S07)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P12	DCU JFP PSW Ch 113-128 (S07)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P13	DCU JFP PSW Ch 129-144 (S07)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P14	DCU JFP PLW Ch 1-16 (S06)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P15	DCU JFP PLW Ch 17-32 (S06)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P16	DCU JFP PLW Ch 33-48 (S06)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P17	DCU JFP PMW Ch 1-16 (S05)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P18	DCU JFP PMW Ch 17-32 (S05)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P19	DCU JFP Ch 33-48 PMW (B05)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P20	DCU JFP PMW Ch 49-64 (S04)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P21	DCU JFP PMW Ch 65-80 (S04)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P22	DCU JFP PMW Ch 81-93 + PTC (S04)	DDMA-50S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P23	DCU JFS SSW Ch 1-12 (S02)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P24	DCU JFS SSW Ch 13-24 (S02)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P25	DCU JFS SSW Ch 25-36 (S02)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P26	DCU JFS SSW Ch 37-48 (S02)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P27	DCU JFS SLW Ch 1-12 (S01)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P28	DCU JFS SLW Ch 13-24 (S01)	DCMA-37S-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P29	DCU Phot. Bias Prime (S03)	DDMA-78P-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P30	DCU Phot. Bias Red (S03)	DDMA-78S-NMB-FO+GI	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P31	DCU JFS Spect Bias Prime (S01)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	
HSDCU	122300 P32	DCU JFS Spect Bias Red (S01)	DCMA-37P-NMB-FO+ G	H/N	TBC	2B/SigHa Box-SVMCon +	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HERSCHEL PACS (Item Code: 13*)							
PACS Units CVV IO (Item Code: 131*)							
HPFFPU	131100 P01	FPU MEC1 Filter Wh1 NO (77-81)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P02	FPU MEC2 Filter Wh1 RE (82-86)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P03	FPU MEC1 Filter Wh2 NO (87-91)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P04	FPU MEC2 Filter Wh2 RE (92-96)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P05	FPU MEC1 CalSrc 1/2 NO (117-119)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P06	FPU MEC2 CalSrc 1/2 RE (120-122)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P07	FPU MEC1Chopper PR (113-116a)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P08	FPU MEC1 TeSens T1/T2 (123)	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P09	FPU MEC2 TeSens T3/T4 (124)	MWDM2L-09P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P10	FPU DEC2 DeSupBia G1(2,3)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P11	FPU DEC2 Log Sup G1(1)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P12	FPU DEC2 CREOuta G1 (13a,17-23)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P13	FPU DEC2 CREOutb G1 (13b,24-31)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P14	FPU DEC2 TeSenHtrG1/2 (75)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P15	FPU DEC2 DB1CREOutbG2 (14b,39-45)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P16	FPU DEC2 Clk,Sy,Out G2 (14a,32-38)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P17	FPU DEC2 DB1 Log Sig G2 (4)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P18	FPU DEC2 DB1 DcSup Bia G2 (5,6)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P20	FPU DEC1 DB2 DcSup Bia G3 (8,9)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P21	FPU DEC1 DB2 LogSig G3 (7)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P22	FPU DEC1 DB2 Outa Sup G3 (15a,46-52)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P23	FPU DEC1 DB2 Outb Sup G3 (15b,53-60)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P24	FPU DEC1 DB2 TeSensHtr G3/4 (76)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P25	FPU DEC1 DB2 Clk,Sy,Outb G4 (16b,68-74)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P26	FPU DEC1 DB2 Clk,Sy,Outa G4 (16a,61-67)	MWDM2L-25P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P27	FPU DEC1 DB2 LogSig G4 (10)	MWDM2L-15P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P28	FPU DEC1 DB2 DcSup Bia G4 (11,12)	MWDM2L-31P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P40	FPU MEC1 GratDrv NO (97-99)	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P41	FPU MEC1 GratSens NO (100-104)	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P42	FPU MEC2 GratDrv RE (105-107)	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P43	FPU MEC2 GratSens RE (108-112)	MWDM2L-21P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P50	FPU BOLA CL01 Diff Out (501)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P51	FPU BOLA CL01 Diff Out (502)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P52	FPU BOLA Filter 1 (503-505)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P53	FPU BOLA CL02 Diff Out (506)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P54	FPU BOLA CL02 Diff Out (507)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P55	FPU BOLA Filter 2 (508-510)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P56	FPU BOLA CL03 Diff Out (511)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P57	FPU BOLA CL03 Diff Out (512)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P58	FPU BOLA Filter 3 (513-515)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P59	FPU BOLA CL04 Diff Out (516)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P60	FPU BOLA CL04 Diff Out (517)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P61	FPU BOLA Filter 4 (518-520)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P62	FPU BOLA CL05 Diff Out (521)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P63	FPU BOLA Filter 5 (522-524)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P64	FPU BOLA CL06 Diff Out (525)	MWDM2L-37S-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P65	FPU BOLA Filter 6 (526-528)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P66	FPU BOLC Heater/Cooler NO (541-544)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P67	FPU BOLC Heater/ Cooler RE (545-548)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P68	FPU BOLC Heater/Cooler NO (529-534)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPFFPU	131100 P69	FPU BOLC Heater/Cooler RE (535-540)	MWDM2L-37P-6C3-630	H/N	TBC	2C/SigHa FPU-CVV Fe	
HPBOLA	131200 P01	BOLA FPU CL01 Diff IN (501)	MWDM2L-37P-6C3-630	H/N	TBC	2I/SigHa FeedTh-SVM	
HPBOLA	131200 P02	BOLA FPU CL01 Diff IN (502)	MWDM2L-37P-6C3-630	H/N	TBC	2I/SigHa FeedTh-SVM	
HPBOLA	131200 P03	BOLA FPU Filter 1 (503..505)	MWDM2L-37S-6C3-630	H/N	TBC	2I/SigHa FeedTh-SVM	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HPBOLA	131200 P04	BOLA FPU CL02 Diff IN (506)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P05	BOLA FPU CL02 Diff IN (507)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P06	BOLA FPU Filter 2 (508..510)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P07	BOLA FPU CL03 Diff IN (511)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P08	BOLA FPU CL03 Diff IN (512)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P09	BOLA FPU Filter 3 (513-515)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P10	BOLA FPU CL04 Diff IN (516)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P11	BOLA FPU CL04 Diff IN (517)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P12	BOLA FPU Filter 4 (518-520)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P13	BOLA FPU CL05 Diff IN (521)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P14	BOLA FPU Filter 5 (522-524)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P15	BOLA FPU CL06 Diff IN (525)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P16	BOLA FPU Filter 6 (526-528)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P17	BOLA BOLC FPU CL01 Read Out (601)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P18	BOLA BOLC FPU CL01 Read Out (602)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P19	BOLA BOLC FPU Bias 1 (603a,603..605)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P20	BOLA BOLC FPU CL02 Read Out (606)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P21	BOLA BOLC FPU CL02 Read Out (607)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P22	BOLA BOLC FPU Bias 2 (608a,608..610)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P23	BOLA BOLC FPU CL03 Read Out (611)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P24	BOLA BOLC FPU CL03 Read Out (612)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P25	BOLA BOLC FPU Bias 3 (613a,613..615)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P26	BOLA BOLC FPU CL04 Read Out (616)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P27	BOLA BOLC FPU CL04 Read Out (617)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P28	BOLA BOLC FPU Bias 4 (618a,618..620)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P29	BOLA BOLC FPU CL05 Read Out (621)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P30	BOLA BOLC FPU Bias 5 (622a,622..624)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P31	BOLA BOLC FPU CL06 Read Out (625)	MWDM2L-37S-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
HPBOLA	131200 P32	BOLA BOLC FPU Bias 6 (626a,626..628)	MWDM2L-37P-6C3-630	H/N	TBC	2/SigHa FeedTh-SVM	
PACS SVM Units (Item Code: 132*)							
HPDECMC	132100 P11	MEC1 FPU GratDrv NO (97..99)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P12	MEC1 FPU GratSens NO (100..104)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P13	MEC1 FPU Filterwh 1 NO (77..81)	DCMA-37P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P14	MEC1 FPU Filterwh 2 NO (87-91)	DCMA-37P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P15	MEC1 FPU Cal Src NO (117-119)	DAMA-15P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P16	MEC1 FPU T1/T2 NO (123)	DEMA-09P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P17	MEC1 FPU Chopper In (113-116a)	DCMA-37P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P18	MEC1 MEC2 Chopper Out NO ???	Not known Socket	H/N	TBD	2W/SigHa on SVM Pan	
HPDECMC	132100 P20	MEC1 DSP Test ???	Not known Socket	H/N	TBD	2T/SigHa Testequipm.	
HPDECMC	132100 P21	MEC1 MECH Test NO ???	Not known Socket	H/N	TBD	2T/SigHa Testequipm.	
HPDECMC	132100 P51	DEC1 FPU DB2 DCsup Bia G3 (8,9)	DCMA-37P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P53	DEC1 FPU DB2 LogSig G3 (7)	DAMA-15P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P55	DEC1 FPU DB1 Clk,Sy,Outa G3 (15a,46-52)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P57	DEC1 FPU DB2 Clk,Sy,Outb G3 (15b,53-60)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P62	DEC1 FPU DB1 DcSup,Bia G4 (11,12)	DCMA-37P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P64	DEC1 FPU DB1 LogSig G4 (10)	DAMA-15P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P66	DEC1 FPU DB1 Clk,Sy,Outa G4 (16a,61-67)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P68	DEC1 FPU DB1 Clk,Sy,Outb G4 (16b,68-74)	DBMA-25P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132100 P78	DEC1 FPU TeSens,Htr G3/4 (76)	DAMA-15P-NMB-FO	H/N	TBD	2B/SigHa Box-SVMCon	
HPDECMC	132200 P11	MEC2 FPU GratDrv RE (105..107)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P12	MEC2 FPU GratSens RE (108..112)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P13	MEC2 FPU Filterwh 1 RE (82..86)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P14	MEC2 FPU Filterwh 2 RE (92-96)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P15	MEC2 FPU CalSrc RE (120-122)	DAMA-15P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P16	MEC2 FPU T3/T4 RE (124)	DEMA-09P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P51	DEC2 FPU DB1 DCsup Bia G1 (2,3)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMC	132200 P53	DEC2 FPU DB1 Log Sig (1)	DAMA-15P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	

Item Connector List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HPDECMEC	132200 P55	DEC2 FPU DB1 Clk,Sy,Outa G1 (13a,17-23)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P57	DEC2 FPU DB1 Clk,Sy,Outb G1 (13b,24-31)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P62	DEC2 FPU DB1 DcSup Bia G2 (5,6)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P64	DEC2 FPU DB1 Log Sig G2 (4)	DAMA-15P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P66	DEC2 FPU DB1Clk,Sy,Out G2 (14a,32-38)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P68	DEC2 FPU DB1 Clk/Sy/Outb G2 (14b,39-45)	DBMA-25P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPDECMEC	132200 P78	DEC2 FPU DB1 Grp1/2 Te Sens (75)	DAMA-15P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P01	BOLC BOLA FPU CL01 Read Out (601)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P02	BOLC BOLA FPU CL01 Read Out (602)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P03	BOLC BOLA Bias 1 (603a,603..605)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P04	BOLC BOLA FPU CL02 Read Out (606)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P05	BOLC BOLA FPU CL02 Read Out (607)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P06	BOLC BOLA Bias 2 (608a,608..610)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P07	BOLC BOLA FPU CL03 Read Out (611)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P08	BOLC BOLA FPU CL03 Read Out (612)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P09	BOLC BOLA Bias 3 (613a,613..615)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P10	BOLC BOLA FPU CL04 Read Out (616)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P11	BOLC BOLA FPU CL04 Read Out (617)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P12	BOLC BOLA FPU Bias 4 (618a,618..620)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P13	BOLC BOLA FPU CL05 Read Out (621)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P14	BOLC BOLA FPU Bias 5 (622a,622..624)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P15	BOLC BOLA FPU CL06 Read Out (625)	DCMA-37S-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	
HPBOLC	132300 P16	BOLC BOLA FPU Bias 6 (626a,626..628)	DCMA-37P-NMB-FO	H/N	TBC	2B/SigHa Box-SVMCon	

Astrium GmbH		<h1 style="margin: 0;">Item</h1> <h2 style="margin: 0;">Connector List</h2>	Doc.No. HP-2-ASED-IC-0001
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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
TBD (Item Code: 21*)							
CSS (Item Code: 211*)							
CVVUCR	211121 J01	CVV U F. Thr. 006 not used	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J02	CVV U Feed Thr. 012 (PA-HB04)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J03	CVV U Feed Thr. 018 (PA-HB06)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J04	CVV U Feed Thr. 036 (PA-HB09)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J05	CVV U Feed Through 042 (PA-HB11)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J06	CVV U Feed Through 048 (PA-HB13)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J07	CVV U Feed Thr. 054 (PA-HB15)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J08	CVV U Feed Thr. 072 (PA-HB17)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J09	CVV U Feed Thr. 078 (PA-HB19)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J10	CVV U Feed Thr. 084 (PA-HB21)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J11	CVV U Feed Thr. 096 (PA-Spare)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J12	CVV U Feed Thr. 102 (n. used,PA-HB24)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J13	CVV U Feed Thr. 108 (PA-HB28)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J14	CVV U Feed Thr. 126 not used	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J15	CVV U Feed Thr. 132 (HIFI Mixer Bias H)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J16	CVV U Feed Thr. 138 (HIFI 1. IF Amp H)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J17	CVV U Feed Thr. 144 (HIFI 2. Th, Cho P)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J18	CVV U Feed Thr. 162 (HIFI Mag Htr TS V)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J19	CVV U Feed Thr. 168 (HIFI SIF V)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J20	CVV U Feed Thr. 174 (HIFI Diplexer Vert)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J21	CVV U Feed Thr. 192 (HIFI IF1/2H) Coax??	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J22	CVV U Feed Thr. 198 (HIFI IF1 V) Coax ??	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J23	CVV U Feed Thr. 216 (HIFI IF2 V) Coax??	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J24	CVV U Feed Thr. 252 (SPIRE Phot Bia 03)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J25	CVV U Feed Thr. 258 (SPIRE PMW 1-48, 04)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J26	CVV U Feed Thr. 264 (SPIRE PMW 1-48, 05)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J27	CVV U Feed Thr. 282 (SPIRE PLW 1-48, 06)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J28	CVV U Feed Thr. 288 (SPIRE PSW 1-48, 07)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J29	CVV U Feed Thr. 306 (SPIRE PSW 1-48, 08)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J30	CVV U Feed Thr. 312 (SP I/C??,HB09)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J31	CVV U Feed Thr. 318 (SPIRE SpecSLW 01)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J32	CVV U Feed Thr. 324 (SPIRE SSW 02)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J33	CVV U Feed Thr. 342 (SP I/C??,HB10)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J34	CVV U Feed Thr. 348 (SP I/C??,HB12)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 J35	CVV U Feed Thr. 354 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVUCR	211121 P01	CVV U F. Thr. 006 not used	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P02	CVV U Feed Thr. 012 (PA-HB04)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P03	CVV U Feed Thr. 018 (PA-HB06)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P04	CVV U Feed Thr. 036 (PA-HB09)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P05	CVV U Feed Through 042 (PA-HB11)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P06	CVV U Feed Through 048 (PA-HB13)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P07	CVV U Feed Thr. 054 (PA-HB15)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P08	CVV U Feed Thr. 072 (PA-HB17)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P09	CVV U Feed Thr. 078 (PA-HB19)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P10	CVV U Feed Thr. 084 (PA-HB21)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P11	CVV U Feed Thr. 096 (PA-Spare)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P12	CVV U Feed Thr. 102 (n. used,PA-HB24)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P13	CVV U Feed Thr. 108 (PA-HB28)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P14	CVV U Feed Thr. 126 not used	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVUCR	211121 P15	CVV U Feed Thr. 132 (HIFI Mixer Bias H)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
CVVUCR	211121 P16	CVV U Feed Thr. 138 (HIFI 1. IF Amp H)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P17	CVV U Feed Thr. 144 (HIFI 2. Th, Cho P)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P18	CVV U Feed Thr. 162 (HIFI Mag Htr TS V)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P19	CVV U Feed Thr. 168 (HIFI SIF V)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P20	CVV U Feed Thr. 174 (HIFI Diplexer Vert)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P21	CVV U Feed Thr. 192 (HIFI IF1/2H) Coax??	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P22	CVV U Feed Thr. 198 (HIF IF1 V) Coax ??	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P23	CVV U Feed Thr. 216 (HIFI IF2 V) Coax??	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P24	CVV U Feed Thr. 252 (SPIRE Phot Bia 03)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P25	CVV U Feed Thr. 258 (SPIRE PMW 1-48, 04)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P26	CVV U Feed Thr. 264 (SPIRE PMW 1-48, 05)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P27	CVV U Feed Thr. 282 (SPIRE PLW 1-48, 06)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P28	CVV U Feed Thr. 288 (SPIRE PSW 1-48, 07)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P29	CVV U Feed Thr. 306 (SPIRE PSW 1-48, 08)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P30	CVV U Feed Thr. 312 (SP I/C??,HB09)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P31	CVV U Feed Thr. 318 (SPIRE SpecSLW 01)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P32	CVV U Feed Thr. 324 (SPIRE SSW 02)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P33	CVV U Feed Thr. 342 (SP I/C??,HB10)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P34	CVV U Feed Thr. 348 (SP I/C??,HB12)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVUCR	211121 P35	CVV U Feed Thr. 354 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVMCR	211122 J01	CVV M Feed Thr. 003 not use (PA-HB01)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J02	CVV M Feed Thr. 009 not used (PA-HB03)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J03	CVV M Feed Thr. 015 (PA-HB05)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J04	CVV M Feed Thr. 021 (PA-HB07)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J05	CVV M Feed Thr. 033 not used (PA-HB08)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J06	CVV M Feed Thr. 039 (PA-HB10)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J07	CVV M Feed Thr. 045 (PA-HB12)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J08	CVV M Feed Thr. 051 (PA-HB14)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J09	CVV M Feed Thr. 057 (PA-HB16)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J10	CVV M Feed Thr. 069 (reserved CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J11	CVV M Feed Thr. 075 (PA-HB18)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J12	CVV M Feed Thr. 081 (PA-HB20)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J13	CVV M Feed Thr. 087 (PA-HB22)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J14	CVV M Feed Thr. 093 (PA-HB23)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J15	CVV M Feed Thr. 099 (PA-HB25)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J16	CVV M Feed Thr. 105 (PA-HB27)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J17	CVV M Feed Thr. 111 (PA-HB29)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J18	CVV M Feed Thr. 123 (PA-HB30)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J19	CVV M Feed Thr. 129 (PA-HB32)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J20	CVV M Feed Thr. 135 (HIFI Mag Htr TS H)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J21	CVV M Feed Thr. 141 (HIFI SIF H)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J22	CVV M Feed Thr. 147 (HIFI Diplexer H)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J23	CVV M Feed Thr. 159 (HIFI Mixer Bias V)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J24	CVV M Feed Thr. 165 (HIFI 1. I/F Amp V)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J25	CVV M Feed Thr. 171 (HIFI 2. Th Chop R)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J26	CVV M Feed Thr. 345 (SP-HB11)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J27	CVV M Feed Thr. 351 (SP-HB13)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 J28	CVV M Feed Thr. 357 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVMCR	211122 P01	CVV M Feed Thr. 003 not use (PA-HB01)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	
CVVMCR	211122 P02	CVV M Feed Thr. 009 not used (PA-HB03)	MS27484T22-35S (Plug	H/N	TBC	2/SigHa FeedTh-SVM	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
CVVMCR	211122 P03	CVV M Feed Thr. 015 (PA-HB05)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P04	CVV M Feed Thr. 021 (PA-HB07)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P05	CVV M Feed Thr. 033 not used (PA-HB08)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P06	CVV M Feed Thr. 039 (PA-HB10)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P07	CVV M Feed Thr. 045 (PA-HB12)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P08	CVV M Feed Thr. 051 (PA-HB14)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P09	CVV M Feed Thr. 057 (PA-HB16)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P10	CVV M Feed Thr. 069 (reserved CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P11	CVV M Feed Thr. 075 (PA-HB18)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P12	CVV M Feed Thr. 081 (PA-HB20)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P13	CVV M Feed Thr. 087 (PA-HB22)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P14	CVV M Feed Thr. 093 (PA-HB23)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P15	CVV M Feed Thr. 099 (PA-HB25)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P16	CVV M Feed Thr. 105 (PA-HB27)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P17	CVV M Feed Thr. 111 (PA-HB29)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P18	CVV M Feed Thr. 123 (PA-HB30)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P19	CVV M Feed Thr. 129 (PA-HB32)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P20	CVV M Feed Thr. 135 (HIFI Mag Htr TS H)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P21	CVV M Feed Thr. 141 (HIFI SIF H)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P22	CVV M Feed Thr. 147 (HIFI Diplexer H)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P23	CVV M Feed Thr. 159 (HIFI Mixer Bias V)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P24	CVV M Feed Thr. 165 (HIFI 1. I/F Amp V)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P25	CVV M Feed Thr. 171 (HIFI 2. Th Chop R)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P26	CVV M Feed Thr. 345 (SP-HB11)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P27	CVV M Feed Thr. 351 (SP-HB13)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVMCR	211122 P28	CVV M Feed Thr. 357 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 J01	CVV L Feed Thr. 006 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J02	CVV L Feed Thr. 012 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J03	CVV L Feed Thr. 018 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J04	CVV L Feed Thr. 036 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J05	CVV L Feed Thr. 042 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J06	CVV L Feed Thr. 048 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J07	CVV L Feed Thr. 054 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J08	CVV L Feed Thr. 072 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J09	CVV L Feed Thr. 078 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 J10	CVV L Feed Thr. 084 (CCH)	MS27497T22-35P (Jun.	H/N	TBC	2C/SigHa FPU-CVV Fe	
CVVLCR	211123 P01	CVV L Feed Thr. 006 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P02	CVV L Feed Thr. 012 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P03	CVV L Feed Thr. 018 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P04	CVV L Feed Thr. 036 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P05	CVV L Feed Thr. 042 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P06	CVV L Feed Thr. 048 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P07	CVV L Feed Thr. 054 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P08	CVV L Feed Thr. 072 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P09	CVV L Feed Thr. 078 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CVVLCR	211123 P10	CVV L Feed Thr. 084 (CCH)	MS27484T22-35S (Plug	H/N	TBC	2I/SigHa FeedTh-SVM	
CES (Item Code: 214*)							
CCU	214100 P01	CCU I/F 1 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P02	CCU I/F 2 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P03	CCU I/F 3 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P04	CCU I/F 4 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P05	CCU I/F 5 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P06	CCU I/F 6 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P07	CCU I/F 7 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P08	CCU I/F 8 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P09	CCU I/F 9 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	
CCU	214100 P10	CCU I/F 10 to CCS	DDMA-50S-NMB-FO+ G	H/N	TBD	2B/SigHa Box-SVMCon	

Item Connector List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
CCU	214100 P11	CCU I/F 11 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P12	CCU I/F 12 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P13	CCU I/F 13 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P14	CCU I/F 14 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P15	CCU I/F 15 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P16	CCU I/F 16 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P17	CCU I/F 17 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P18	CCU I/F 18 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P19	CCU I/F 19 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P20	CCU I/F 20 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P21	CCU I/F 21 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P22	CCU I/F 22 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P23	CCU I/F 23 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P24	CCU I/F 24 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	
CCU	214100 P25	CCU I/F 25 to CCS	DDMA-50S-NMB-FO+ G H/N		TBD	2B/SigHa Box-SVMCon	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
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TBD (Item Code: 31*)

HSVM HIFI CB (Item Code: 311*)

HHSVMCB1	311100 J01	HIFI SVM CB1 Mixer Bias H I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 J02	HIFI SVM CB1 Mixer Bias V I/F ???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 J03	HIFI SVM CB1Magn Htr H I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 J04	HIFI SVM CB1 Magn Htr V I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 J05	HIFI SVM CB1 FIF H I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 J06	HIFI SVM CB1 FIF V I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB1	311100 P01	HIFI SVM CB1 Mixer Bias H I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB1	311100 P02	HIFI SVM CB1 Mixer Bias V I/F ???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB1	311100 P03	HIFI SVM CB1Magn Htr H I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB1	311100 P04	HIFI SVM CB1 Magn Htr V I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB1	311100 P05	HIFI SVM CB1 FIF H I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB1	311100 P06	HIFI SVM CB1 FIF V I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	

HHSVMCB2	311200 J07	HIFI SVM CB2 SIF H I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J08	HIFI SVM CB2 SIF V I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J09	HIFI SVM CB2 Chop Therm Cal P I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J10	HIFI SVM CB2 Chop Therm Cal R I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J11	HIFI SVM CB2 Diplexer H I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J12	HIFI SVM CB2 Diplexer V I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 J13	HIFI SVM CB2 4xCoax I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HHSVMCB2	311200 P07	HIFI SVM CB2 SIF H I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P08	HIFI SVM CB2 SIF V I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P09	HIFI SVM CB2 Chop Therm Cal P I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P10	HIFI SVM CB2 Chop Therm Cal R I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P11	HIFI SVM CB2 Diplexer H I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P12	HIFI SVM CB2 Diplexer V I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HHSVMCB2	311200 P13	HIFI SVM CB2 4xCoax I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	

HSVM SPIRE CB (Item Code: 312*)

HSSVMCB	312000 J01	SPIRE SVM CB (01) to upper 318 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J02	SPIRE SVM CB (02) to upper 324 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J03	SPIRE SVM CB (03) to upper 252 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J04	SPIRE SVM CB (04) to upper 258 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J05	SPIRE SVM CB (05) to upper 264 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J06	SPIRE SVM CB (06) to upper 282 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J07	SPIRE SVM CB (07) to upper 288 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J08	SPIRE SVM CB (08) to upper 306 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J09	SPIRE SVM CB (09) to upper 312 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J10	SPIRE SVM CB (10) to upper 342 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J11	SPIRE SVM CB (11) to middle 345 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J12	SPIRE SVM CB (12) to upper 348 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J13	SPIRE SVM CB (13) to middle 351 deg	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J14	SPIRE SVM CB JA Shutter access (I10)	SVM CB Rd Jun w 100	Itm	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J15	SPIRE SVM CB JB Shutter access (I11)	SVM CB Rd Jun w 100	Itm	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J16	SPIRE SVM CB JC Shutter access (I12)	SVM CB Rd Jun w 100	Itm	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 J17	SPIRE SVM CB JD Shutter access (I13)	SVM CB Rd Jun w 100	Itm	TBC	2I/SigHa FeedTh-SVM	
HSSVMCB	312000 P01	SPIRE SVM CB (01) to upper 318 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P02	SPIRE SVM CB (02) to upper 324 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P03	SPIRE SVM CB (03) to upper 252 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P04	SPIRE SVM CB (04) to upper 258 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P05	SPIRE SVM CB (05) to upper 264 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P06	SPIRE SVM CB (06) to upper 282 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P07	SPIRE SVM CB (07) to upper 288 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P08	SPIRE SVM CB (08) to upper 306 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P09	SPIRE SVM CB (09) to upper 312 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P10	SPIRE SVM CB (10) to upper 342 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P11	SPIRE SVM CB (11) to middle 345 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	
HSSVMCB	312000 P12	SPIRE SVM CB (12) to upper 348 deg	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
HSSVMCB	312000 P13	SPIRE SVM CB (13) to middle 351 deg	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HSVM PACS CB (Item Code: 313*)							
HPSVMCB	313000 J01	PACS SVM CB (P01) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J02	PACS SVM CB (P02) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J03	PACS SVM CB (P03) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J04	PACS SVM CB (P04) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J05	PACS SVM CB (P05) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J06	PACS SVM CB (P06) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J07	PACS SVM CB (P07) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J08	PACS SVM CB (P08) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J09	PACS SVM CB (P09) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J10	PACS SVM CB (P10) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J11	PACS SVM CB (P11) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J12	PACS SVM CB (P12) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J13	PACS SVM CB (P13) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J14	PACS SVM CB (P14) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J15	PACS SVM CB (P15) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J16	PACS SVM CB (P16) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J17	PACS SVM CB (P17) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J18	PACS SVM CB (P18) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J19	PACS SVM CB (P19) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J20	PACS SVM CB (P20) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J21	PACS SVM CB (P21) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J22	PACS SVM CB (P22) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J23	PACS SVM CB (P23) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J24	PACS SVM CB (P24) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J25	PACS SVM CB (P25) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 J26	PACS SVM CB (P26) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
HPSVMCB	313000 P01	PACS SVM CB (P01) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P02	PACS SVM CB (P02) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P03	PACS SVM CB (P03) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P04	PACS SVM CB (P04) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P05	PACS SVM CB (P05) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P06	PACS SVM CB (P06) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P07	PACS SVM CB (P07) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P08	PACS SVM CB (P08) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P09	PACS SVM CB (P09) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P10	PACS SVM CB (P10) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P11	PACS SVM CB (P11) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P12	PACS SVM CB (P12) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P13	PACS SVM CB (P13) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P14	PACS SVM CB (P14) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P15	PACS SVM CB (P15) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P16	PACS SVM CB (P16) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P17	PACS SVM CB (P17) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P18	PACS SVM CB (P18) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P19	PACS SVM CB (P19) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P20	PACS SVM CB (P20) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P21	PACS SVM CB (P21) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P22	PACS SVM CB (P22) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P23	PACS SVM CB (P23) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P24	PACS SVM CB (P24) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P25	PACS SVM CB (P25) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HPSVMCB	313000 P26	PACS SVM CB (P26) I/F???	SVM CB Rd Plu w 100 S H/N		TBC	2B/SigHa Box-SVMCon	
HSVM CCS CB (Item Code: 314*)							
CCSSVMCB	314000 J01	CCH SVM CB (CH01) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
CCSSVMCB	314000 J02	CCH SVM CB (CH02) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
CCSSVMCB	314000 J03	CCH SVM CB (CH03) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	
CCSSVMCB	314000 J04	CCH SVM CB (CH04) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	EMC Category	New
CCSSVMCB 314000 J05	CCH SVM CB (CH05) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J06	CCH SVM CB (CH06) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J07	CCH SVM CB (CH07) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J08	CCH SVM CB (CH08) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J09	CCH SVM CB (CH09) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J10	CCH SVM CB (CH10) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J11	CCH SVM CB (CH11) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J12	CCH SVM CB (CH12) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 J13	CCH SVM CB (CH13) I/F???	SVM CB Rd Jun w 100	H/N	TBC	2I/SigHa FeedTh-SVM		
CCSSVMCB 314000 P01	CCH SVM CB (CH01) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P02	CCH SVM CB (CH02) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P03	CCH SVM CB (CH03) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P04	CCH SVM CB (CH04) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P05	CCH SVM CB (CH05) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P06	CCH SVM CB (CH06) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P07	CCH SVM CB (CH07) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P08	CCH SVM CB (CH08) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P09	CCH SVM CB (CH09) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P10	CCH SVM CB (CH10) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P11	CCH SVM CB (CH11) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P12	CCH SVM CB (CH12) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		
CCSSVMCB 314000 P13	CCH SVM CB (CH13) I/F???	SVM CB Rd Plu w 100 S	H/N	TBC	2B/SigHa Box-SVMCon		

13 Functional Channel Allocation

13.1 Channel name List

(Subject of change, not all channels till now listed)

For handling the functional channels in the system each channel will get a channel ID

H and I abbreviation for HIFI channels

S and T abbreviation for SPIRE channels

P and Q abbreviation for PACS channels

C and D abbreviations for CCS channels

Xx abbreviations tbd

See CCL on next pages

Astrium GmbH	Channel Longname List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002 Sheet: CLL-1

Channel Designation	Longname	Channel ID
HIFI 2. IF Amp-TS-P (H65)	HIFI Sec IF Ampl Therm Pr (H65)	-H65
HIFI 2. IF Amp-TS-R (H66)	HIFI Sec IF Ampl Therm Red (H66)	-H66
HIFI CP-AC-P (H67)	HIFI Chopper AC Prim (H67)	-H67
HIFI CP-AC-R (H70)	HIFI Chopper AC Red (H70)	-H70
HIFI CP-LT-PY-P(H68)	HIFI Chopper LT PY Prim (H68)	-H68
HIFI CP-LT-PY-R (H71)	HIFI Chopper LT PY Red (H71)	-H71
HIFI CP-LT-SY-P (H69)	HIFI Chopper LT SY Prim (H69)	-H69
HIFI CP-LT-SY-R (H72)	HIFI Chopper LT SY Red (H72)	-H72
HIFI CS-CR-TS-P (H78)	HIFI Calib CR Temp Sensor Red (H78)	-H78
HIFI CS-HR-TS-P (H79)	HIFI Calib HR Temp Sensor Prim (H79)	-H79
HIFI CS-HR-TS-R (H81)	HIFI Calib HR Temp Sensor Prim (H81)	-H81
HIFI CS-HT-P (H80)	HIFI Calib Heater Prime (H80)	-H80
HIFI CS-HT-R (H82)	HIFI Calib Heater Red (H82)	-H82
HIFI DP3-AC-H (H83)	HIFI Diplexer 3 AC Horizontal (H83)	-H83
HIFI DP3-AC-V (H88)	HIFI Diplexer 3 AC Vertical (H88)	-H88
HIFI DP4-AC-H (H84)	HIFI Diplexer 4 AC Horizontal (H84)	-H84
HIFI DP4-AC-V (H89)	HIFI Diplexer 4 AC Vertical (H89)	-H89
HIFI DP5-AC-H (H85)	HIFI Diplexer 5 AC Horizontal (H85)	-H85
HIFI DP5-AC-V (H90)	HIFI Diplexer 5 AC Vertical (H90)	-H90
HIFI DP6-AC-H (H86)	HIFI Diplexer 6 AC Horizontal (H86)	-H86
HIFI DP6-AC-V (H91)	HIFI Diplexer 6 AC Vertical (H91)	-H91
HIFI DP7-AC-H (H87)	HIFI Diplexer 7 AC Horizontal (H87)	-H87
HIFI DP7-AC-V (H92)	HIFI Diplexer 7 AC Vertical (H92)	-H92
HIFI FIF1 D -H (H25)	HIFI First IF Ampl. 1 D1/2 Hor (H25)	-H25
HIFI FIF1 D -V (H39)	HIFI First IF Ampl. 1 D1/D2 Vert (H39)	-H39
HIFI FIF1 G -H (H26)	HIFI First IF Ampl. 1 G1/2 Hor (H26)	-H26
HIFI FIF1 G -V (H40)	HIFI First IF Ampl. 1 G1/G2 Vert (H40)	-H40
HIFI FIF2 D -H (H27)	HIFI First IF Ampl. 2 D1/2 Hor (H27)	-H27
HIFI FIF2 D -V (H41)	HIFI First IF Ampl. 2 D1/D2 Vert (H41)	-H41
HIFI FIF2 G -H (H28)	HIFI First IF Ampl. 2 G1/2 Hor (H28)	-H28
HIFI FIF2 G -V (H42)	HIFI First IF Ampl. 2 G1/G2 Vert (H42)	-H42
HIFI FIF3 D -H (H29)	HIFI First IF Ampl. 3 D1/2 Hor (H29)	-H29
HIFI FIF3 D -V (H43)	HIFI First IF Ampl. 3 D1/D2 Ver (H43)	-H43
HIFI FIF3 G -H (H30)	HIFI First IF Ampl. 3 G1/2 Hor (H30)	-H30
HIFI FIF3 G -V (H44)	HIFI First IF Ampl. 3 G1/G2 Ver (H44)	-H44
HIFI FIF4 D -H (H31)	HIFI First IF Ampl. 4 D1/2 Hor (H31)	-H31
HIFI FIF4 D -V (H45)	HIFI First IF Ampl. 4 D1/D2 Ver (H45)	-H45
HIFI FIF4 G -H (H32)	HIFI First IF Ampl. 4 G1/2 Hor (H32)	-H32
HIFI FIF4 G -V (H46)	HIFI First IF Ampl. 4 G1/G2 Ver (H46)	-H46
HIFI FIF5 D -H (H33)	HIFI First IF Ampl. 5 D1/2 Hor (H33)	-H33
HIFI FIF5 D -V (H47)	HIFI First IF Ampl. 5 D1/D2 Ver (H47)	-H47
HIFI FIF5 G -H (H34)	HIFI First IF Ampl. 5 G1/2 Hor (H44)	-H34
HIFI FIF5 G -V (H48)	HIFI First IF Ampl. 5 G1/G2 Ver (H48)	-H48
HIFI FIF6 D -H (H35)	HIFI First IF Ampl. 6 D1/D2 Hor (H35)	-H35
HIFI FIF6 D -V (H49)	HIFI First IF Ampl. 6 D1/D2 Ver (H49)	-H49
HIFI FIF6 G -H (H36)	HIFI First IF Ampl. 6 G1/D2 Hor (H36)	-H36
HIFI FIF6 G -V (H50)	HIFI First IF Ampl. 6 G1/G2 Ver (H50)	-H50
HIFI FIF7 D -H (H37)	HIFI First IF Ampl. 7 D1/D2 Hor (H37)	-H37
HIFI FIF7 D -V (H51)	HIFI First IF Ampl. 7 D1/D2 Ver (H51)	-H51
HIFI FIF7 G -H (H38)	HIFI First IF Ampl. 7 G1/G2 Hor (H38)	-H38
HIFI FIF7 G -V (H52)	HIFI First IF Ampl. 7 G1/G2 Ver (H52)	-H52
HIFI IF1 -H (I08)	HIFI IF 1 H Coax (I08)	-I08
HIFI IF1 -V (I09)	HIFI IF 1 H Coax (I09)	-I09
HIFI IF2 -H (I10)	HIFI IF 1 H Coax (I10)	-I10
HIFI IF2 -V (I11)	HIFI IF 1 H Coax (I11)	-I11
HIFI MGHT1 -V (H20)	HIFI Magnet Heater 1 Vert (H20)	-H20
HIFI MGHT1-H (H15)	HIFI Magnet Heater 1 Hor (H15)	-H15

Channel Longname List

Project:

HERSCHEL

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Channel Designation	Longname	Channel ID
HIFI MGHT2 -H (H16)	HIFI Magnet Heater 2 Horizontal (H16)	-H16
HIFI MGHT2 -V (H21)	HIFI Magnet Heater 2 Vert (H21)	-H21
HIFI MGHT3 -H (H17)	HIFI Magnet Heater 3 Hor (H17)	-H17
HIFI MGHT3 -V (H22)	HIFI Magnet Heater 3 Vert (H22)	-H22
HIFI MGHT4 -H (H18)	HIFI Magnet Heater 4 Hor (H18)	-H18
HIFI MGHT4 -V (H23)	HIFI Magnet Heater 4 Vert (H23)	-H23
HIFI MGHT5 -H (H19)	HIFI Magnet Heater 5 Hor (H19)	-H19
HIFI MGHT5 -V (H24)	HIFI Magnet Heater 5 Vert (H24)	-H24
HIFI MX1-H (H01)	HIFI Mixer Bias 1 Hor (H01)	-H01
HIFI MX1-V (H08)	HIFI Mixer Bias 1 Vert (H08)	-H08
HIFI MX2-H (H02)	HIFI Mixer Bias 2 Hor (H02)	-H02
HIFI MX2-V (H09)	HIFI Mixer Bias 2 Vert (H09)	-H09
HIFI MX3-H (H03)	HIFI Mixer Bias 3 Hor (H03)	-H03
HIFI MX3-V (H10)	HIFI Mixer Bias 3 Vert (H10)	-H10
HIFI MX4-H (H04)	HIFI Mixer Bias 4 Hor (H04)	-H04
HIFI MX4-V (H11)	HIFI Mixer Bias 4 Vert (H11)	-H11
HIFI MX5-H (H05)	HIFI Mixer Bias 5 Hor (H05)	-H05
HIFI MX5-V (H12)	HIFI Mixer Bias 5 Vert (H12)	-H12
HIFI MX6-H (H06)	HIFI Mixer Bias 6 Hor (H06)	-H06
HIFI MX6-V (H13)	HIFI Mixer Bias 6 Vert (H13)	-H13
HIFI MX7-H (H07)	HIFI Mixer Bias 7 Hor (H07)	-H07
HIFI MX7-V (H14)	HIFI Mixer Bias 7 Vert (H14)	-H14
HIFI SIF D1 -H (H53)	HIFI Second IF Ampl D1 Hor (H53)	-H53
HIFI SIF D1 -V (H59)	HIFI Second IF Ampl D1 Ver (H59)	-H59
HIFI SIF D2 -H (H55)	HIFI Second IF Ampl D2 Hor (H55)	-H55
HIFI SIF D2 -V (H61)	HIFI Second IF Ampl D2 Ver (H61)	-H61
HIFI SIF D3 -H (H57)	HIFI Second IF Ampl D3 Hor (H57)	-H57
HIFI SIF D3 -V (H63)	HIFI Second IF Ampl D3 Ver (H63)	-H63
HIFI SIF G1 -H (H54)	HIFI Second IF Ampl G1 Hor (H54)	-H54
HIFI SIF G1 -V (H60)	HIFI Second IF Ampl G1 Ver (H60)	-H60
HIFI SIF G2 -H (H56)	HIFI Second IF Ampl G2 Hor (H56)	-H56
HIFI SIF G2 -V (H62)	HIFI Second IF Ampl G2 Ver (H62)	-H62
HIFI SIF G3 -H (H58)	HIFI Second IF Ampl G3 Hor (H58)	-H58
HIFI SIF G3 -V (H64)	HIFI Second IF Ampl G3 Ver (H64)	-H64
HIFI Therm. S02K P (H73)	HIFI Thermistor S02K P (H73)	-H73
HIFI Therm. S02K R (H76)	HIFI Thermistor S02K R (H76)	-H76
HIFI Therm. S04K P (H74)	HIFI Thermistor S04K P (H74)	-H74
HIFI Therm. S04K R (H77)	HIFI Thermistor S04K R (H77)	-H77
HIFI Therm. S10K R (H75)	HIFI Thermistor S10K R (H75)	-H75
PACS FW1 COIL 1/2 R (P082)	PACS Filter Wheel COIL 1R	-B02
PACS FW1Coil 1/2 N (P077)	PACS Filter Wheel 1 Coil 1/2 N	-B01
SPIRE Bol. SLW Ch01 (S01)	SPIRE Bol. SLW Ch01	-900
SPIRE Bol. SLW Ch02 (S01)	SPIRE Bol. SLW Ch02	-901
SPIRE Bol. SLW Ch03 (S01)	SPIRE Bol. SLW Ch03	-902
SPIRE Bol. SLW Ch04 (S01)	SPIRE Bol. SLW Ch04	-903
SPIRE Bol. SLW Ch05 (S01)	SPIRE Bol. SLW Ch05	-904
SPIRE Bol. SLW Ch06 (S01)	SPIRE Bol. SLW Ch06	-905
SPIRE Bol. SLW Ch07 (S01)	SPIRE Bol. SLW Ch07	-906
SPIRE Bol. SLW Ch08 (S01)	SPIRE Bol. SLW Ch08	-907
SPIRE Bol. SLW Ch09 (S01)	SPIRE Bol. SLW Ch09	-908
SPIRE Bol. SLW Ch10 (S01)	SPIRE Bol. SLW Ch10	-909
SPIRE Bol. SLW Ch11	SPIRE Bol. Ch11	-90A
SPIRE Bol. SLW Ch12	SPIRE Bol. Ch12	-90B
SPIRE Bol. SLW Ch13	SPIRE Bol. Ch13	-90C
SPIRE Bol. SLW Ch14	SPIRE Bol. Ch14	-90D
SPIRE Bol. SLW Ch15	SPIRE Bol. Ch15	-90E
SPIRE Bol. SLW Ch16	SPIRE Bol. Ch16	-90F

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Channel Designation	Longname	Channel ID
SPIRE Bol. SLW Ch17	SPIRE Bol. Ch17	-90G
SPIRE Bol. SLW Ch18	SPIRE Bol. Ch18	-90H
SPIRE Bol. SLW Ch19	SPIRE Bol. Ch19	-90I
SPIRE Bol. SLW Ch20	SPIRE Bol. Ch20	-90J
SPIRE Bol. SLW Ch21	SPIRE Bol. Ch21	-90K
SPIRE Bol. SLW Ch22	SPIRE Bol. Ch22	-90L
SPIRE Bol. SLW Ch23	SPIRE Bol. Ch23	-90M
SPIRE Bol. SLW Ch24	SPIRE Bol. Ch24	-90N
SPIRE Bol. SLW Htr A	SPIRE Bol. SLW Heater A	-90S
SPIRE Bol.SLW Bias A1	SPIRE Bol. SLW Bias A1	-90O
SPIRE Bol.SLW Bias A2	SPIRE Bol. SLW Bias A2	-90P
SPIRE Bol.SLW Bias B1	SPIRE Bol. SLW Bias B1	-90U
SPIRE Bol.SLW Bias B2	SPIRE Bol. SLW Bias B2	-90V
SPIRE Bol.SLW Htr B	SPIRE Bol. SLW Heater B	-90Y
SPIRE Bol.SSW Bias A1	SPIRE Bol. SSW Bias A2	-90Q
SPIRE Bol.SSW Bias A2	SPIRE Bol. SSW Bias A1	-90R
SPIRE Bol.SSW Bias B1	SPIRE Bol. SSW Bias B1	-90W
SPIRE Bol.SSW Bias B2	SPIRE Bol. SSW Bias B2	-90X
SPIRE Bol.SSW Htr A	SPIRE Bol. SSW Heater A	-90T
SPIRE Bol.SSW Htr B	SPIRE Bol. SSW Heater B	-90Z

13.2 Functional channels allocated to connector

(Subject of change only HIFI is in!)

Each channel is routed from a source interface connector by wiring via brackets to a target connector

This is shown in the Connector Allocation List. The list shows both sides and is sorted by item/connectors from warm units to cold unit and then from cold unit to warm unit.

After final definition the wiring type will also be shown.

The routing status via the SVM and CVV brackets is predefined and will be subject of change.

See CAL on next pages

Astrium GmbH	Connector Allocation List	Doc.No. HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002
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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
EMC-Class: 2B/SigHa Box-SVMConBr									
Item:	112300 HHFCU	EMC-Class: 2B/SigHa Box-SVMConBr							
J11	HIFI MX1-H (H01) Bundle H01	< HMX.- / HMX	---	-H01	3 SIG/2 RTN	HHFPU	2C 111100 J11	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX2-H (H02) Bundle H01	< HMX.- / HMX	---	-H02	3 SIG/2 RTN	HHFPU	2C 111100 J12	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX3-H (H03) Bundle H01	< HMX.- / HMX	---	-H03	3 SIG/2 RTN	HHFPU	2C 111100 J13	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX4-H (H04) Bundle H01	< HMX.- / HMX	---	-H04	3 SIG/2 RTN	HHFPU	2C 111100 J14	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX5-H (H05) Bundle H01	< HMX.- / HMX	---	-H05	3 SIG/2 RTN	HHFPU	2C 111100 J15	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX6-H (H06) Bundle H01	< HMX.- / HMX	---	-H06	3 SIG/2 RTN	HHFPU	2C 111100 J16	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
	HIFI MX7-H (H07) Bundle H01	< HMX.- / HMX	---	-H07	3 SIG/2 RTN	HHFPU	2C 111100 J17	1x051SS-38 311100 P01/J01 1x051SS-38 211121 P15/J15	
J12	HIFI MGHT1-H (H15) Bundle H02	< HMH.- / HMH	---	-H15	2 SIG/2 RTN	HHFPU	2C 111100 J25	1x041BS-38 311100 P03/J03 1x041BS-38 211122 P20/J20	
	HIFI MGHT2 -H (H16) Bundle H02	< HMH.- / HMH	---	-H16	2 SIG/2 RTN	HHFPU	2C 111100 J26	1x041BS-38 311100 P03/J03 1x041BS-38 211122 P20/J20	
	HIFI MGHT3 -H (H17) Bundle H02	< HMH.- / HMH	---	-H17	2 SIG/2 RTN	HHFPU	2C 111100 J27	1x041BS-38 311100 P03/J03 1x041BS-38 211122 P20/J20	
	HIFI MGHT4 -H (H18) Bundle H02	< HMH.- / HMH	---	-H18	2 SIG/2 RTN	HHFPU	2C 111100 J28	1x041BS-38 311100 P03/J03 1x041BS-38 211122 P20/J20	
	HIFI MGHT5 -H (H19) Bundle H02	< HMH.- / HMH	---	-H19	2 SIG/2 RTN	HHFPU	2C 111100 J29	1x041BS-38 311100 P03/J03 1x041BS-38 211122 P20/J20	
J14	HIFI FIF1 D -H (H25) Bundle H03	< H1D.- / H1D	---	-H25	3 SIG/1 RTN	HHFPU	2C 111100 J39	1x041BS-30 311100 P05/J05 1x041BS-30 211121 P16/J16	
	HIFI FIF1 G -H (H26) Bundle H03	< H1G.- / H1G	---	-H26	2 SIG/1 RTN	HHFPU	2C 111100 J39	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF2 D -H (H27) Bundle H03	< H1D.1 / H1D	---	-H27	2 SIG/1 RTN	HHFPU	2C 111100 J40	1x031BS-30 311100 P05/J05 1x031BS-30 211121 P16/J16	
	HIFI FIF2 G -H (H28) Bundle H03	< H1G.- / H1G	---	-H28	2 SIG/1 RTN	HHFPU	2C 111100 J40	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF3 D -H (H29) Bundle H03	< H1D.1 / H1D	---	-H29	2 SIG/1 RTN	HHFPU	2C 111100 J41	1x031BS-30 311100 P05/J05 1x031BS-30 211121 P16/J16	
	HIFI FIF3 G -H (H30) Bundle H03	< H1G.- / H1G	---	-H30	2 SIG/1 RTN	HHFPU	2C 111100 J41	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF4 D -H (H31) Bundle H03	< H1D.- / H1D	---	-H31	3 SIG/1 RTN	HHFPU	2C 111100 J42	1x041BS-30 311100 P05/J05 1x041BS-30 211121 P16/J16	
	HIFI FIF4 G -H (H32) Bundle H03	< H1G.- / H1G	---	-H32	2 SIG/1 RTN	HHFPU	2C 111100 J42	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF5 D -H (H33) Bundle H03	< H1D.1 / H1D	---	-H33	2 SIG/1 RTN	HHFPU	2C 111100 J43	1x031BS-30 311100 P05/J05 1x031BS-30 211121 P16/J16	
	HIFI FIF5 G -H (H34) Bundle H03	< H1G.- / H1G	---	-H34	2 SIG/1 RTN	HHFPU	2C 111100 J43	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF6 D -H (H35) Bundle H03	< H1D.1 / H1D	---	-H35	2 SIG/1 RTN	HHFPU	2C 111100 J44	1x031BS-30 311100 P05/J05 1x031BS-30 211121 P16/J16	
	HIFI FIF6 G -H (H36) Bundle H03	< H1G.- / H1G	---	-H36	2 SIG/1 RTN	HHFPU	2C 111100 J44	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
	HIFI FIF7 D -H (H37) Bundle H03	< H1D.1 / H1D	---	-H37	2 SIG/1 RTN	HHFPU	2C 111100 J45	1x031BS-30 311100 P05/J05 1x031BS-30 211121 P16/J16	
	HIFI FIF7 G -H (H38) Bundle H03	< H1G.- / H1G	---	-H38	2 SIG/1 RTN	HHFPU	2C 111100 J45	1x031SS-38 311100 P05/J05 1x031SS-38 211121 P16/J16	
J15	HIFI SIF D1 -H (H53) Bundle H04	< H2D.- / H2D	---	-H53	8 SIG/1 RTN	HHFPU	2C 111100 J53	1x091BS-30 311200 P07/J07 1x091BS-30 211122 P21/J21	
	HIFI SIF G1 -H (H54) Bundle H04	< H2G.- / H2G	---	-H54	2 SIG/2 RTN	HHFPU	2C 111100 J53	1x041SS-38 311200 P07/J07 1x041SS-38 211122 P21/J21	

Connector Allocation List

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J15	HIFI SIF D2 -H (H55) Bundle H04	< H2D.- / H2D	--	-H55	8 SIG/1 RTN	HHFPU	2C 111100 J54	1x091BS-30 311200 P07/J07 1x091BS-30 211122 P21/J21	
	HIFI SIF G2 -H (H56) Bundle H04	< H2G.- / H2G	--	-H56	2 SIG/2 RTN	HHFPU	2C 111100 J54	1x041SS-38 311200 P07/J07 1x041SS-38 211122 P21/J21	
	HIFI SIF D3 -H (H57) Bundle H04	< H2D.- / H2D	--	-H57	8 SIG/1 RTN	HHFPU	2C 111100 J55	1x091BS-30 311200 P07/J07 1x091BS-30 211122 P21/J21	
	HIFI SIF G3 -H (H58) Bundle H04	< H2G.- / H2G	--	-H58	2 SIG/2 RTN	HHFPU	2C 111100 J55	1x041SS-38 311200 P07/J07 1x041SS-38 211122 P21/J21	
J16	HIFI 2. IF Amp-TS-P (H65) Bundle H05	< H2S.- / H2S	--	-H65	2 SIG/2 RTN	HHFPU	2C 111100 J59	1x041SS-38 311200 P09/J09 1x041SS-38 211121 P17/J17	
	HIFI CP-AC-P (H67) Bundle H05	< HCA.- / HCA	--	-H67	2 SIG/2 RTN	HHFPU	2C 111100 J61	1x041BS-38 311200 P09/J09 1x041BS-38 211121 P17/J17	
	HIFI CP-LT-PY-P (H68) Bundle H05	< HCP.- / HCP	--	-H68	1 SIG/1 RTN	HHFPU	2C 111100 J61	1x021BS-38 311200 P09/J09 1x021BS-38 211121 P17/J17	
	HIFI CP-LT-SY-P (H69) Bundle H05	< HCS.- / HCS	--	-H69	2 SIG/1 RTN	HHFPU	2C 111100 J61	1x031SS-38 311200 P09/J09 1x031SS-38 211121 P17/J17	
	HIFI Therm. S02K P (H73) Bundle H05	< HT2.- / HT2	--	-H73	2 SIG/2 RTN	HHFPU	2C 111100 J63	1x041SS-38 311200 P09/J09 1x041SS-38 211121 P17/J17	
	HIFI Therm. S04K P (H74) Bundle H05	< HT4.- / HT4	--	-H74	2 SIG/2 RTN	HHFPU	2C 111100 J63	1x041SS-38 311200 P09/J09 1x041SS-38 211121 P17/J17	
	HIFI CS-CR-TS-P (H78) Bundle 05	< HBC.- / HBC	--	-H78	2 SIG/2 RTN	HHFPU	2C 111100 J65	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI CS-HR-TS-P (H79) Bundle 05	< HBH.- / HBH	--	-H79	2 SIG/2 RTN	HHFPU	2C 111100 J65	1x041SS-38 311200 P09/J09 1x041SS-38 211121 P17/J17	
	HIFI CS-HT-P (H80) Bundle 05	< HBT.- / HBT	--	-H80	1 SIG/1 RTN	HHFPU	2C 111100 J65	1x021BS-38 311200 P09/J09 1x021BS-38 211121 P17/J17	
J17	HIFI DP3-AC-H (H83) Bundle 6	< HDP.- / HDP	--	-H83	1 SIG/1 RTN	HHFPU	2C 111100 J67	1x021BS-38 311200 P11/J11 1x021BS-38 211122 P22/J22	
	HIFI DP4-AC-H (H84) Bundle 6	< HDP.- / HDP	--	-H84	1 SIG/1 RTN	HHFPU	2C 111100 J67	1x021BS-38 311200 P11/J11 1x021BS-38 211122 P22/J22	
	HIFI DP5-AC-H (H85) Bundle 6	< HDP.- / HDP	--	-H85	1 SIG/1 RTN	HHFPU	2C 111100 J67	1x021BS-38 311200 P11/J11 1x021BS-38 211122 P22/J22	
	HIFI DP6-AC-H (H86) Bundle 6	< HDP.- / HDP	--	-H86	1 SIG/1 RTN	HHFPU	2C 111100 J67	1x021BS-38 311200 P11/J11 1x021BS-38 211122 P22/J22	
	HIFI DP7-AC-H (H87) Bundle 6	< HDP.- / HDP	--	-H87	1 SIG/1 RTN	HHFPU	2C 111100 J67	1x021BS-38 311200 P11/J11 1x021BS-38 211122 P22/J22	
J21	HIFI MX1-V (H08) Bundle H07	< HMX.- / HMX	--	-H08	3 SIG/2 RTN	HHFPU	2C 111100 J18	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX2-V (H09) Bundle H07	< HMX.- / HMX	--	-H09	3 SIG/2 RTN	HHFPU	2C 111100 J19	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX3-V (H10) Bundle H07	< HMX.- / HMX	--	-H10	3 SIG/2 RTN	HHFPU	2C 111100 J20	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX4-V (H11) Bundle H07	< HMX.- / HMX	--	-H11	3 SIG/2 RTN	HHFPU	2C 111100 J21	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX5-V (H12) Bundle H07	< HMX.- / HMX	--	-H12	3 SIG/2 RTN	HHFPU	2C 111100 J22	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX6-V (H13) Bundle H07	< HMX.- / HMX	--	-H13	3 SIG/2 RTN	HHFPU	2C 111100 J23	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
	HIFI MX7-V (H14) Bundle H07	< HMX.- / HMX	--	-H14	3 SIG/2 RTN	HHFPU	2C 111100 J24	1x051SS-38 311100 P02/J02 1x051SS-38 211122 P23/J23	
J22	HIFI MGHT1 -V (H20) Bundle H08	< HMH.- / HMH	--	-H20	2 SIG/2 RTN	HHFPU	2C 111100 J32	1x041BS-38 311100 P04/J04 1x041BS-38 211121 P18/J18	
	HIFI MGHT2 -V (H21) Bundle H08	< HMH.- / HMH	--	-H21	2 SIG/2 RTN	HHFPU	2C 111100 J33	1x041BS-38 311100 P04/J04 1x041BS-38 211121 P18/J18	
	HIFI MGHT3 -V (H22) Bundle H08	< HMH.- / HMH	--	-H22	2 SIG/2 RTN	HHFPU	2C 111100 J34	1x041BS-38 311100 P04/J04 1x041BS-38 211121 P18/J18	
	HIFI MGHT4 -V (H23) Bundle H08	< HMH.- / HMH	--	-H23	2 SIG/2 RTN	HHFPU	2C 111100 J35	1x041BS-38 311100 P04/J04 1x041BS-38 211121 P18/J18	
	HIFI MGHT5 -V (H24) Bundle H08	< HMH.- / HMH	--	-H24	2 SIG/2 RTN	HHFPU	2C 111100 J36	1x041BS-38 311100 P04/J04 1x041BS-38 211121 P18/J18	

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J24	HIFI FIF1 D -V (H39) Bundle H09	< H1D.- / H1D	--	-H39	3 SIG/1 RTN	HHFPU	2C 111100 J46	1x041BS-30 311100 P06/J06 1x041BS-30 211122 P24/J24	01
	HIFI FIF1 G -V (H40) Bundle H09	< H1G.- / H1G	--	-H40	2 SIG/1 RTN	HHFPU	2C 111100 J46	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF2 D -V (H41) Bundle H09	< H1D.1 / H1D	--	-H41	2 SIG/1 RTN	HHFPU	2C 111100 J47	1x031BS-30 311100 P06/J06 1x031BS-30 211122 P24/J24	
	HIFI FIF2 G -V (H42) Bundle H09	< H1G.- / H1G	--	-H42	2 SIG/1 RTN	HHFPU	2C 111100 J47	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF3 D -V (H43) Bundle H09	< H1D.1 / H1D	--	-H43	2 SIG/1 RTN	HHFPU	2C 111100 J48	1x031BS-30 311100 P06/J06 1x031BS-30 211122 P24/J24	
	HIFI FIF3 G -V (H44) Bundle H09	< H1G.- / H1G	--	-H44	2 SIG/1 RTN	HHFPU	2C 111100 J48	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF4 D -V (H45) Bundle H09	< H1D.- / H1D	--	-H45	3 SIG/1 RTN	HHFPU	2C 111100 J49	1x041BS-30 311100 P06/J06 1x041BS-30 211122 P24/J24	01
	HIFI FIF4 G -V (H46) Bundle H09	< H1G.- / H1G	--	-H46	2 SIG/1 RTN	HHFPU	2C 111100 J49	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF5 D -V (H47) Bundle H09	< H1D.1 / H1D	--	-H47	2 SIG/1 RTN	HHFPU	2C 111100 J50	1x031BS-30 311100 P06/J06 1x031BS-30 211122 P24/J24	
	HIFI FIF5 G -V (H48) Bundle H09	< H1G.- / H1G	--	-H48	2 SIG/1 RTN	HHFPU	2C 111100 J50	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF6 D -V (H49) Bundle H09	< H1D.1 / H1D	--	-H49	2 SIG/1 RTN	HHFPU	2C 111100 J51	1x031BS-30 311100 P06/J06 1x031BS-30 211122 P24/J24	
	HIFI FIF6 G -V (H50) Bundle H09	< H1G.- / H1G	--	-H50	2 SIG/1 RTN	HHFPU	2C 111100 J51	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
	HIFI FIF7 D -V (H51) Bundle H09	< H1D.1 / H1D	--	-H51	2 SIG/1 RTN	HHFPU	2C 111100 J52	1x031BS-30 311100 P06/J06 1x031BS-30 211122 P24/J24	
	HIFI FIF7 G -V (H52) Bundle H09	< H1G.- / H1G	--	-H52	2 SIG/1 RTN	HHFPU	2C 111100 J52	1x031SS-38 311100 P06/J06 1x031SS-38 211122 P24/J24	
J25	HIFI SIF D1 -V (H59) Bundle H10	< H2D.- / H2D	--	-H59	8 SIG/1 RTN	HHFPU	2C 111100 J56	1x091BS-30 311200 P08/J08 1x091BS-30 211121 P19/J19	
	HIFI SIF G1 -V (H60) Bundle H10	< H2G.- / H2G	--	-H60	2 SIG/2 RTN	HHFPU	2C 111100 J56	1x041SS-38 311200 P08/J08 1x041SS-38 211121 P19/J19	
	HIFI SIF D2 -V (H61) Bundle H10	< H2D.- / H2D	--	-H61	8 SIG/1 RTN	HHFPU	2C 111100 J57	1x091BS-30 311200 P08/J08 1x091BS-30 211121 P19/J19	
	HIFI SIF G2 -V (H62) Bundle H10	< H2G.- / H2G	--	-H62	2 SIG/2 RTN	HHFPU	2C 111100 J57	1x041SS-38 311200 P08/J08 1x041SS-38 211121 P19/J19	
	HIFI SIF D3 -V (H63) Bundle H10	< H2D.- / H2D	--	-H63	8 SIG/1 RTN	HHFPU	2C 111100 J58	1x091BS-30 311200 P08/J08 1x091BS-30 211121 P19/J19	
	HIFI SIF G3 -V (H64) Bundle H10	< H2G.- / H2G	--	-H64	2 SIG/2 RTN	HHFPU	2C 111100 J58	1x041SS-38 311200 P08/J08 1x041SS-38 211121 P19/J19	
J26	HIFI 2. IF Amp-TS-R (H66) Bundle H11	< H2S.- / H2S	--	-H66	2 SIG/2 RTN	HHFPU	2C 111100 J60	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI CP-AC-R (H70) Bundle H11	< HCA.- / HCA	--	-H70	2 SIG/2 RTN	HHFPU	2C 111100 J62	1x041BS-38 311200 P10/J10 1x041BS-38 211122 P25/J25	
	HIFI CP-LT-PY-R (H71) Bundle H11	< HCP.- / HCP	--	-H71	1 SIG/1 RTN	HHFPU	2C 111100 J62	1x021BS-38 311200 P10/J10 1x021BS-38 211122 P25/J25	
	HIFI CP-LT-SY-R (H72) Bundle H11	< HCS.- / HCS	--	-H72	2 SIG/1 RTN	HHFPU	2C 111100 J62	1x031SS-38 311200 P10/J10 1x031SS-38 211122 P25/J25	
	HIFI Therm. S10K R (H75) Bundle H11	< HT1.- / HT1	--	-H75	2 SIG/2 RTN	HHFPU	2C 111100 J64	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI Therm. S02K R (H76) Bundle H11	< HT2.- / HT2	--	-H76	2 SIG/2 RTN	HHFPU	2C 111100 J64	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI Therm. S04K R (H77) Bundle H11	< HT4.- / HT4	--	-H77	2 SIG/2 RTN	HHFPU	2C 111100 J64	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI CS-HR-TS-R (H81) Bundle 11	< HBH.- / HBH	--	-H81	2 SIG/2 RTN	HHFPU	2C 111100 J66	1x041SS-38 311200 P10/J10 1x041SS-38 211122 P25/J25	
	HIFI CS-HT-R (H82) Bundle 11	< HBT.- / HBT	--	-H82	1 SIG/1 RTN	HHFPU	2C 111100 J66	1x021BS-38 311200 P10/J10 1x021BS-38 211122 P25/J25	
	J27	HIFI DP3-AC-V (H88) Bundle 12	< HDP.- / HDP	--	-H88	1 SIG/1 RTN	HHFPU	2C 111100 J68	1x021BS-38 311200 P12/J12 1x021BS-38 211121 P20/J20

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J27	HIFI DP4-AC-V (H89) Bundle 12	< HDP.- / HDP	--	-H89	1 SIG/1 RTN	HHFPU	2C 111100 J68	1x021BS-38 311200 P12/J12 1x021BS-38 211121 P20/J20	
	HIFI DP5-AC-V (H90) Bundle 12	< HDP.- / HDP	--	-H90	1 SIG/1 RTN	HHFPU	2C 111100 J68	1x021BS-38 311200 P12/J12 1x021BS-38 211121 P20/J20	
	HIFI DP6-AC-V (H91) Bundle 12	< HDP.- / HDP	--	-H91	1 SIG/1 RTN	HHFPU	2C 111100 J68	1x021BS-38 311200 P12/J12 1x021BS-38 211121 P20/J20	
	HIFI DP7-AC-V (H92) Bundle 12	< HDP.- / HDP	--	-H92	1 SIG/1 RTN	HHFPU	2C 111100 J68	1x021BS-38 311200 P12/J12 1x021BS-38 211121 P20/J20	
J31	HIFI IF1 -H (I08) Bundle 13	< HIF.- / HIF	--	-I08	1 SIG/0 RTN	HHFPU	2C 111100 J01	1x011BS-30 311200 P13/J13 1x011BS-30 211121 P21/J21	
J32	HIFI IF1 -V (I09) Bundle 15	< HIF.- / HIF	--	-I09	1 SIG/0 RTN	HHFPU	2C 111100 J02	1x011BS-30 311200 P13/J13 1x011BS-30 211121 P21/J21	
J33	HIFI IF2 -H (I10) Bundle 14	< HIF.- / HIF	--	-I10	1 SIG/0 RTN	HHFPU	2C 111100 J03	1x011BS-30 311200 P13/J13 1x011BS-30 211121 P22/J22	
J34	HIFI IF2 -V (I11) Bundle 14	< HIF.- / HIF	--	-I11	1 SIG/0 RTN	HHFPU	2C 111100 J04	1x011BS-30 311200 P13/J13 1x011BS-30 211121 P23/J23	
Item:	122300 HSDCU	EMC-Class:	2B/SigHa Box-SVMConBr						
J27	SPIRE Bol. SLW Ch01 (S01)	< SBC.- / tbd	--	-900	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch02 (S01)	< SBC.- / tbd	--	-901	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch03 (S01)	< SBC.- / tbd	--	-902	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch04 (S01)	< SBC.- / tbd	--	-903	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch05 (S01)	< SBC.- / tbd	--	-904	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch06 (S01)	< SBC.- / tbd	--	-905	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch07 (S01)	< SBC.- / tbd	--	-906	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch08 (S01)	< SBC.- / tbd	--	-907	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch09 (S01)	< SBC.- / tbd	--	-908	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch10 (S01)	< SBC.- / tbd	--	-909	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch11	< SBC.- / tbd	--	-90A	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch12	< SBC.- / tbd	--	-90B	2 SIG/0 RTN	HSJFS	2C 121220 J05	1x021BS-38 CB_TBD PxC2/JxC2	
J28	SPIRE Bol. SLW Ch13	< SBC.- / tbd	--	-90C	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch14	< SBC.- / tbd	--	-90D	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch15	< SBC.- / tbd	--	-90E	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch16	< SBC.- / tbd	--	-90F	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch17	< SBC.- / tbd	--	-90G	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch18	< SBC.- / tbd	--	-90H	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch19	< SBC.- / tbd	--	-90I	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch20	< SBC.- / tbd	--	-90J	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch21	< SBC.- / tbd	--	-90K	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch22	< SBC.- / tbd	--	-90L	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch23	< SBC.- / tbd	--	-90M	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Ch24	< SBC.- / tbd	--	-90N	2 SIG/0 RTN	HSJFS	2C 121220 J06	1x021BS-38 CB_TBD PxC2/JxC2	
J31	SPIRE Bol.SLW Bias A1	< SXB.- / tbd	--	-90O	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SLW Bias A2	< SXB.- / tbd	--	-90P	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SSW Bias A1	< SXB.- / tbd	--	-90Q	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SSW Bias A2	< SXB.- / tbd	--	-90R	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol. SLW Htr A	< SXH.- / tbd	--	-90S	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SSW Htr A	< SXH.- / tbd	--	-90T	2 SIG/0 RTN	HSJFS	2C 121220 J09	1x021BS-38 CB_TBD PxC2/JxC2	
J32	SPIRE Bol.SSW Bias B2	< SXB.- / tbd	--	-90X	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SLW Bias B1	< SXB.- / tbd	--	-90U	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD PxC2/JxC2	
	SPIRE Bol.SLW Bias B2	< SXB.- / tbd	--	-90V	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD PxC2/JxC2	

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J32	SPIRE Bol.SSW Bias B1	< SXB.- / tbd	--	-90W	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD Px2/JxCz	
	SPIRE Bol.SLW Htr B	< SXH.- / tbd	--	-90Y	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD Px2/JxCz	
	SPIRE Bol.SSW Htr B	< SXH.- / tbd	--	-90Z	2 SIG/0 RTN	HSJFS	2C 121220 J10	1x021BS-38 CB_TBD Px2/JxCz	
Item:	132100 HPDECMEC1	EMC-Class:	2B/SigHa Box-SVMConBr						
J13	PACS FW1Coil 1/2 N (P077)	< PFC.1 / tbd	--	-B01	2 SIG/2 RTN	HPFPU	2C 131100 J01	1x041SS-38 313000 P01/J01 1x041SS-38 211122 P01/J01	
Item:	132200 HPDECMEC2	EMC-Class:	2B/SigHa Box-SVMConBr						
J13	PACS FW1 COIL 1/2 R (P082)	< PFC.1 / tbd	--	-B02	2 SIG/2 RTN	HPFPU	2C 131100 J02	1x041SS-38 313000 P01/J01 1x041SS-38 211122 P01/J01	

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
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EMC-Class: 2C/SigHa FPU-CVV FeedTh

Item:	111100	HHFPU	EMC-Class: 2C/SigHa FPU-CVV FeedTh						
J01	HIFI IF1 -H (I08) Bundle 13	> HIF.- / HIF	--	-I08	1 SIG/0 RTN	HHFCU	2B 112300 J31	211121 J21/P21 311200 J13/P13	1x01BS-30 1x01BS-30
J02	HIFI IF1 -V (I09) Bundle 15	> HIF.- / HIF	--	-I09	1 SIG/0 RTN	HHFCU	2B 112300 J32	211121 J21/P21 311200 J13/P13	1x01BS-30 1x01BS-30
J03	HIFI IF2 -H (I10) Bundle 14	> HIF.- / HIF	--	-I10	1 SIG/0 RTN	HHFCU	2B 112300 J33	211121 J22/P22 311200 J13/P13	1x01BS-30 1x01BS-30
J04	HIFI IF2 -V (I11) Bundle 14	> HIF.- / HIF	--	-I11	1 SIG/0 RTN	HHFCU	2B 112300 J34	211121 J23/P23 311200 J13/P13	1x01BS-30 1x01BS-30
J11	HIFI MX1-H (H01) Bundle H01	> HMX.- / HMX	--	-H01	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J12	HIFI MX2-H (H02) Bundle H01	> HMX.- / HMX	--	-H02	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J13	HIFI MX3-H (H03) Bundle H01	> HMX.- / HMX	--	-H03	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J14	HIFI MX4-H (H04) Bundle H01	> HMX.- / HMX	--	-H04	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J15	HIFI MX5-H (H05) Bundle H01	> HMX.- / HMX	--	-H05	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J16	HIFI MX6-H (H06) Bundle H01	> HMX.- / HMX	--	-H06	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J17	HIFI MX7-H (H07) Bundle H01	> HMX.- / HMX	--	-H07	3 SIG/2 RTN	HHFCU	2B 112300 J11	211121 J15/P15 311100 J01/P01	1x051SS-38 1x051SS-38
J18	HIFI MX1-V (H08) Bundle H07	> HMX.- / HMX	--	-H08	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J19	HIFI MX2-V (H09) Bundle H07	> HMX.- / HMX	--	-H09	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J20	HIFI MX3-V (H10) Bundle H07	> HMX.- / HMX	--	-H10	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J21	HIFI MX4-V (H11) Bundle H07	> HMX.- / HMX	--	-H11	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J22	HIFI MX5-V (H12) Bundle H07	> HMX.- / HMX	--	-H12	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J23	HIFI MX6-V (H13) Bundle H07	> HMX.- / HMX	--	-H13	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J24	HIFI MX7-V (H14) Bundle H07	> HMX.- / HMX	--	-H14	3 SIG/2 RTN	HHFCU	2B 112300 J21	211122 J23/P23 311100 J02/P02	1x051SS-38 1x051SS-38
J25	HIFI MGHT1-H (H15) Bundle H02	> HMH.- / HMH	--	-H15	2 SIG/2 RTN	HHFCU	2B 112300 J12	211122 J20/P20 311100 J03/P03	1x041BS-38 1x041BS-38
J26	HIFI MGHT2 -H (H16) Bundle H02	> HMH.- / HMH	--	-H16	2 SIG/2 RTN	HHFCU	2B 112300 J12	211122 J20/P20 311100 J03/P03	1x041BS-38 1x041BS-38
J27	HIFI MGHT3 -H (H17) Bundle H02	> HMH.- / HMH	--	-H17	2 SIG/2 RTN	HHFCU	2B 112300 J12	211122 J20/P20 311100 J03/P03	1x041BS-38 1x041BS-38
J28	HIFI MGHT4 -H (H18) Bundle H02	> HMH.- / HMH	--	-H18	2 SIG/2 RTN	HHFCU	2B 112300 J12	211122 J20/P20 311100 J03/P03	1x041BS-38 1x041BS-38
J29	HIFI MGHT5 -H (H19) Bundle H02	> HMH.- / HMH	--	-H19	2 SIG/2 RTN	HHFCU	2B 112300 J12	211122 J20/P20 311100 J03/P03	1x041BS-38 1x041BS-38
J32	HIFI MGHT1 -V (H20) Bundle H08	> HMH.- / HMH	--	-H20	2 SIG/2 RTN	HHFCU	2B 112300 J22	211121 J18/P18 311100 J04/P04	1x041BS-38 1x041BS-38
J33	HIFI MGHT2 -V (H21) Bundle H08	> HMH.- / HMH	--	-H21	2 SIG/2 RTN	HHFCU	2B 112300 J22	211121 J18/P18 311100 J04/P04	1x041BS-38 1x041BS-38
J34	HIFI MGHT3 -V (H22) Bundle H08	> HMH.- / HMH	--	-H22	2 SIG/2 RTN	HHFCU	2B 112300 J22	211121 J18/P18 311100 J04/P04	1x041BS-38 1x041BS-38
J35	HIFI MGHT4 -V (H23) Bundle H08	> HMH.- / HMH	--	-H23	2 SIG/2 RTN	HHFCU	2B 112300 J22	211121 J18/P18 311100 J04/P04	1x041BS-38 1x041BS-38
J36	HIFI MGHT5 -V (H24) Bundle H08	> HMH.- / HMH	--	-H24	2 SIG/2 RTN	HHFCU	2B 112300 J22	211121 J18/P18 311100 J04/P04	1x041BS-38 1x041BS-38

Connector Allocation List

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J39	HIFI FIF1 D -H (H25) Bundle H03	> H1D.- / H1D	--	-H25	3 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x041BS-301 1x041BS-30
	HIFI FIF1 G -H (H26) Bundle H03	> H1G.- / H1G	--	-H26	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J40	HIFI FIF2 D -H (H27) Bundle H03	> H1D.1 / H1D	--	-H27	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031BS-30 1x031BS-30
	HIFI FIF2 G -H (H28) Bundle H03	> H1G.- / H1G	--	-H28	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J41	HIFI FIF3 D -H (H29) Bundle H03	> H1D.1 / H1D	--	-H29	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031BS-30 1x031BS-30
	HIFI FIF3 G -H (H30) Bundle H03	> H1G.- / H1G	--	-H30	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J42	HIFI FIF4 D -H (H31) Bundle H03	> H1D.- / H1D	--	-H31	3 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x041BS-301 1x041BS-30
	HIFI FIF4 G -H (H32) Bundle H03	> H1G.- / H1G	--	-H32	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J43	HIFI FIF5 D -H (H33) Bundle H03	> H1D.1 / H1D	--	-H33	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031BS-30 1x031BS-30
	HIFI FIF5 G -H (H34) Bundle H03	> H1G.- / H1G	--	-H34	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J44	HIFI FIF6 D -H (H35) Bundle H03	> H1D.1 / H1D	--	-H35	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031BS-30 1x031BS-30
	HIFI FIF6 G -H (H36) Bundle H03	> H1G.- / H1G	--	-H36	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J45	HIFI FIF7 D -H (H37) Bundle H03	> H1D.1 / H1D	--	-H37	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031BS-30 1x031BS-30
	HIFI FIF7 G -H (H38) Bundle H03	> H1G.- / H1G	--	-H38	2 SIG/1 RTN	HHFCU	2B 112300 J14	211121 J16/P16 311100 J05/P05	1x031SS-38 1x031SS-38
J46	HIFI FIF1 D -V (H39) Bundle H09	> H1D.- / H1D	--	-H39	3 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x041BS-301 1x041BS-30
	HIFI FIF1 G -V (H40) Bundle H09	> H1G.- / H1G	--	-H40	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J47	HIFI FIF2 D -V (H41) Bundle H09	> H1D.1 / H1D	--	-H41	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031BS-30 1x031BS-30
	HIFI FIF2 G -V (H42) Bundle H09	> H1G.- / H1G	--	-H42	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J48	HIFI FIF3 D -V (H43) Bundle H09	> H1D.1 / H1D	--	-H43	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031BS-30 1x031BS-30
	HIFI FIF3 G -V (H44) Bundle H09	> H1G.- / H1G	--	-H44	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J49	HIFI FIF4 D -V (H45) Bundle H09	> H1D.- / H1D	--	-H45	3 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x041BS-301 1x041BS-30
	HIFI FIF4 G -V (H46) Bundle H09	> H1G.- / H1G	--	-H46	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J50	HIFI FIF5 D -V (H47) Bundle H09	> H1D.1 / H1D	--	-H47	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031BS-30 1x031BS-30
	HIFI FIF5 G -V (H48) Bundle H09	> H1G.- / H1G	--	-H48	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J51	HIFI FIF6 D -V (H49) Bundle H09	> H1D.1 / H1D	--	-H49	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031BS-30 1x031BS-30
	HIFI FIF6 G -V (H50) Bundle H09	> H1G.- / H1G	--	-H50	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J52	HIFI FIF7 D -V (H51) Bundle H09	> H1D.1 / H1D	--	-H51	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031BS-30 1x031BS-30
	HIFI FIF7 G -V (H52) Bundle H09	> H1G.- / H1G	--	-H52	2 SIG/1 RTN	HHFCU	2B 112300 J24	211122 J24/P24 311100 J06/P06	1x031SS-38 1x031SS-38
J53	HIFI SIF D1 -H (H53) Bundle H04	> H2D.- / H2D	--	-H53	8 SIG/1 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x091BS-30 1x091BS-30
	HIFI SIF G1 -H (H54) Bundle H04	> H2G.- / H2G	--	-H54	2 SIG/2 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x041SS-38 1x041SS-38

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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J54	HIFI SIF D2 -H (H55) Bundle H04	> H2D.- / H2D	---	-H55	8 SIG/1 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x091BS-30 1x091BS-30
	HIFI SIF G2 -H (H56) Bundle H04	> H2G.- / H2G	---	-H56	2 SIG/2 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x041SS-38 1x041SS-38
J55	HIFI SIF D3 -H (H57) Bundle H04	> H2D.- / H2D	---	-H57	8 SIG/1 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x091BS-30 1x091BS-30
	HIFI SIF G3 -H (H58) Bundle H04	> H2G.- / H2G	---	-H58	2 SIG/2 RTN	HHFCU	2B 112300 J15	211122 J21/P21 311200 J07/P07	1x041SS-38 1x041SS-38
J56	HIFI SIF D1 -V (H59) Bundle H10	> H2D.- / H2D	---	-H59	8 SIG/1 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x091BS-30 1x091BS-30
	HIFI SIF G1 -V (H60) Bundle H10	> H2G.- / H2G	---	-H60	2 SIG/2 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x041SS-38 1x041SS-38
J57	HIFI SIF D2 -V (H61) Bundle H10	> H2D.- / H2D	---	-H61	8 SIG/1 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x091BS-30 1x091BS-30
	HIFI SIF G2 -V (H62) Bundle H10	> H2G.- / H2G	---	-H62	2 SIG/2 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x041SS-38 1x041SS-38
J58	HIFI SIF D3 -V (H63) Bundle H10	> H2D.- / H2D	---	-H63	8 SIG/1 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x091BS-30 1x091BS-30
	HIFI SIF G3 -V (H64) Bundle H10	> H2G.- / H2G	---	-H64	2 SIG/2 RTN	HHFCU	2B 112300 J25	211121 J19/P19 311200 J08/P08	1x041SS-38 1x041SS-38
J59	HIFI 2. IF Amp-TS-P (H65) Bundle H05	> H2S.- / H2S	---	-H65	2 SIG/2 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x041SS-38 1x041SS-38
J60	HIFI 2. IF Amp-TS-R (H66) Bundle H11	> H2S.- / H2S	---	-H66	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
J61	HIFI CP-AC-P (H67) Bundle H05	> HCA.- / HCA	---	-H67	2 SIG/2 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x041BS-38 1x041BS-38
	HIFI CP-LT-PY-P (H68) Bundle H05	> HCP.- / HCP	---	-H68	1 SIG/1 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x021BS-38 1x021BS-38
	HIFI CP-LT-SY-P (H69) Bundle H05	> HCS.- / HCS	---	-H69	2 SIG/1 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x031SS-38 1x031SS-38
J62	HIFI CP-AC-R (H70) Bundle H11	> HCA.- / HCA	---	-H70	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041BS-38 1x041BS-38
	HIFI CP-LT-PY-R (H71) Bundle H11	> HCP.- / HCP	---	-H71	1 SIG/1 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x021BS-38 1x021BS-38
	HIFI CP-LT-SY-R (H72) Bundle H11	> HCS.- / HCS	---	-H72	2 SIG/1 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x031SS-38 1x031SS-38
J63	HIFI Therm. S02K P (H73) Bundle H05	> HT2.- / HT2	---	-H73	2 SIG/2 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x041SS-38 1x041SS-38
	HIFI Therm. S04K P (H74) Bundle H05	> HT4.- / HT4	---	-H74	2 SIG/2 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x041SS-38 1x041SS-38
J64	HIFI Therm. S10K R (H75) Bundle H11	> HT1.- / HT1	---	-H75	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
	HIFI Therm. S02K R (H76) Bundle H11	> HT2.- / HT2	---	-H76	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
	HIFI Therm. S04K R (H77) Bundle H11	> HT4.- / HT4	---	-H77	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
J65	HIFI CS-CR-TS-P (H78) Bundle 05	> HBC.- / HBC	---	-H78	2 SIG/2 RTN	HHFCU	2B 112300 J16	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
	HIFI CS-HR-TS-P (H79) Bundle 05	> HBH.- / HBH	---	-H79	2 SIG/2 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x041SS-38 1x041SS-38
	HIFI CS-HT-P (H80) Bundle 05	> HBT.- / HBT	---	-H80	1 SIG/1 RTN	HHFCU	2B 112300 J16	211121 J17/P17 311200 J09/P09	1x021BS-38 1x021BS-38
J66	HIFI CS-HR-TS-R (H81) Bundle 11	> HBH.- / HBH	---	-H81	2 SIG/2 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x041SS-38 1x041SS-38
	HIFI CS-HT-R (H82) Bundle 11	> HBT.- / HBT	---	-H82	1 SIG/1 RTN	HHFCU	2B 112300 J26	211122 J25/P25 311200 J10/P10	1x021BS-38 1x021BS-38
J67	HIFI DP3-AC-H (H83) Bundle 6	> HDP.- / HDP	---	-H83	1 SIG/1 RTN	HHFCU	2B 112300 J17	211122 J22/P22 311200 J11/P11	1x021BS-38 1x021BS-38
	HIFI DP4-AC-H (H84) Bundle 6	> HDP.- / HDP	---	-H84	1 SIG/1 RTN	HHFCU	2B 112300 J17	211122 J22/P22 311200 J11/P11	1x021BS-38 1x021BS-38

Connector
Allocation List

Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J67	HIFI DP5-AC-H (H85) Bundle 6	> HDP.- / HDP	--	-H85	1 SIG/1 RTN	HHFCU	2B 112300 J17	211122 J22/P22 311200 J11/P11	1x021BS-38 1x021BS-38
	HIFI DP6-AC-H (H86) Bundle 6	> HDP.- / HDP	--	-H86	1 SIG/1 RTN	HHFCU	2B 112300 J17	211122 J22/P22 311200 J11/P11	1x021BS-38 1x021BS-38
	HIFI DP7-AC-H (H87) Bundle 6	> HDP.- / HDP	--	-H87	1 SIG/1 RTN	HHFCU	2B 112300 J17	211122 J22/P22 311200 J11/P11	1x021BS-38 1x021BS-38
J68	HIFI DP3-AC-V (H88) Bundle 12	> HDP.- / HDP	--	-H88	1 SIG/1 RTN	HHFCU	2B 112300 J27	211121 J20/P20 311200 J12/P12	1x021BS-38 1x021BS-38
	HIFI DP4-AC-V (H89) Bundle 12	> HDP.- / HDP	--	-H89	1 SIG/1 RTN	HHFCU	2B 112300 J27	211121 J20/P20 311200 J12/P12	1x021BS-38 1x021BS-38
	HIFI DP5-AC-V (H90) Bundle 12	> HDP.- / HDP	--	-H90	1 SIG/1 RTN	HHFCU	2B 112300 J27	211121 J20/P20 311200 J12/P12	1x021BS-38 1x021BS-38
	HIFI DP6-AC-V (H91) Bundle 12	> HDP.- / HDP	--	-H91	1 SIG/1 RTN	HHFCU	2B 112300 J27	211121 J20/P20 311200 J12/P12	1x021BS-38 1x021BS-38
	HIFI DP7-AC-V (H92) Bundle 12	> HDP.- / HDP	--	-H92	1 SIG/1 RTN	HHFCU	2B 112300 J27	211121 J20/P20 311200 J12/P12	1x021BS-38 1x021BS-38
Item:	121220 HSJFS	EMC-Class:	2C/SigHa FPU-CVV FeedTh						
J05	SPIRE Bol. SLW Ch01 (S01)	> SBC.- / tbd	--	-900	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch02 (S01)	> SBC.- / tbd	--	-901	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch03 (S01)	> SBC.- / tbd	--	-902	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch04 (S01)	> SBC.- / tbd	--	-903	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch05 (S01)	> SBC.- / tbd	--	-904	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch06 (S01)	> SBC.- / tbd	--	-905	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch07 (S01)	> SBC.- / tbd	--	-906	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch08 (S01)	> SBC.- / tbd	--	-907	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch09 (S01)	> SBC.- / tbd	--	-908	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch10 (S01)	> SBC.- / tbd	--	-909	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch11	> SBC.- / tbd	--	-90A	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch12	> SBC.- / tbd	--	-90B	2 SIG/0 RTN	HSDCU	2B 122300 J27	CB_TBD JxC2/PxC2	1x021BS-3f
J06	SPIRE Bol. SLW Ch13	> SBC.- / tbd	--	-90C	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch14	> SBC.- / tbd	--	-90D	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch15	> SBC.- / tbd	--	-90E	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch16	> SBC.- / tbd	--	-90F	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch17	> SBC.- / tbd	--	-90G	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch18	> SBC.- / tbd	--	-90H	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch19	> SBC.- / tbd	--	-90I	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch20	> SBC.- / tbd	--	-90J	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch21	> SBC.- / tbd	--	-90K	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch22	> SBC.- / tbd	--	-90L	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch23	> SBC.- / tbd	--	-90M	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Ch24	> SBC.- / tbd	--	-90N	2 SIG/0 RTN	HSDCU	2B 122300 J28	CB_TBD JxC2/PxC2	1x021BS-3f
J09	SPIRE Bol.SLW Bias A1	> SXB.- / tbd	--	-90O	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SLW Bias A2	> SXB.- / tbd	--	-90P	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SSW Bias A1	> SXB.- / tbd	--	-90Q	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SSW Bias A2	> SXB.- / tbd	--	-90R	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol. SLW Htr A	> SXH.- / tbd	--	-90S	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SSW Htr A	> SXH.- / tbd	--	-90T	2 SIG/0 RTN	HSDCU	2B 122300 J31	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SSW Bias B2	> SXB.- / tbd	--	-90X	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3f
J10	SPIRE Bol.SLW Bias B1	> SXB.- / tbd	--	-90U	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3f
	SPIRE Bol.SLW Bias B2	> SXB.- / tbd	--	-90V	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3f

Astrium GmbH	Connector Allocation List	Doc.No. HP-2-ASED-IC-0001
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Con.	Channel Designation	Signal Type	Wiring	Ch. ID	No. of Lines	Target Item	Connector	Via	New
J10	SPIRE Bol.SSW Bias B1	> SXB.- / tbd	--	-90W	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3I
	SPIRE Bol.SLW Htr B	> SXH.- / tbd	--	-90Y	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3I
	SPIRE Bol.SSW Htr B	> SXH.- / tbd	--	-90Z	2 SIG/0 RTN	HSDCU	2B 122300 J32	CB_TBD JxC2/PxC2	1x021BS-3I
Item:	131100 HPFPU	EMC-Class:	2C/SigHa FPU-CVV FeedTh						
J01	PACS FW1Coil 1/2 N (P077)	> PFC.1 / tbd	--	-B01	2 SIG/2 RTN	HPDECME	2B 132100 J13	211122 J01/P01 313000 J01/P01	1x041SS-38 1x041SS-38
J02	PACS FW1 COIL 1/2 R (P082)	> PFC.1 / tbd	--	-B02	2 SIG/2 RTN	HPDECME	2B 132200 J13	211122 J01/P01 313000 J01/P01	1x041SS-38 1x041SS-38

13.3 Channels routing List

(Subject of change only HIFI is in!)

The source -target routing via the different connector bracket is shown in the Functional Channel Routing List. This listed is sorted by item/connector for cold units to warm units and vice versa

After final definition the wiring type will also be shown.

The routing status via the SVM and CVV brackets is preliminary and will be subject of change.

See ChRL on next pages

Astrium GmbH	Functional Channel Routing List	Doc.No. HP-2-ASED-IC-0001
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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
EMC-Category: 2C/SigHa FPU-CVV FeedTh						
HIFI MX1-H (H01)	HHFPU 111100 J11	HHFCU 112300 J11	-H01	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P11	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX2-H (H02)	HHFPU 111100 J12	HHFCU 112300 J11	-H02	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P12	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX3-H (H03)	HHFPU 111100 J13	HHFCU 112300 J11	-H03	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P13	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX4-H (H04)	HHFPU 111100 J14	HHFCU 112300 J11	-H04	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P14	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	IH 01	
HIFI MX5-H (H05)	HHFPU 111100 J15	HHFCU 112300 J11	-H05	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P15	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX6-H (H06)	HHFPU 111100 J16	HHFCU 112300 J11	-H06	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P16	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX7-H (H07)	HHFPU 111100 J17	HHFCU 112300 J11	-H07	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P17	--> CVVUCR 211121 J15	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P15	--> HHSVMCB 311100 J01	EMC: 2I	--	IH 01	
	Rt. 3 HHSVMC 311100 P01	--> HHFCU 112300 P11	EMC: 2B	--	WH 01	
HIFI MX1-V (H08)	HHFPU 111100 J18	HHFCU 112300 J21	-H08	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P18	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MX2-V (H09)	HHFPU 111100 J19	HHFCU 112300 J21	-H09	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P19	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MX3-V (H10)	HHFPU 111100 J20	HHFCU 112300 J21	-H10	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P20	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	

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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
				Wiring		
HIFI MX4-V (H11)	HHFPU 111100 J21	HHFCU 112300 J21	-H11	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P21	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MX5-V (H12)	HHFPU 111100 J22	HHFCU 112300 J21	-H12	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P22	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MX6-V (H13)	HHFPU 111100 J23	HHFCU 112300 J21	-H13	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P23	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MX7-V (H14)	HHFPU 111100 J24	HHFCU 112300 J21	-H14	Type: HMX	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P24	--> CVVMCR 211122 J23	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P23	--> HHSVMCB 311100 J02	EMC: 2I	--	IH 07	
	Rt. 3 HHSVMC 311100 P02	--> HHFCU 112300 P21	EMC: 2B	--	WH 07	
HIFI MGHT1-H (H15)	HHFPU 111100 J25	HHFCU 112300 J12	-H15	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P25	--> CVVMCR 211122 J20	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P20	--> HHSVMCB 311100 J03	EMC: 2I	--	IH 02	
	Rt. 3 HHSVMC 311100 P03	--> HHFCU 112300 P12	EMC: 2B	--	WH 02	
HIFI MGHT2 -H (H16)	HHFPU 111100 J26	HHFCU 112300 J12	-H16	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P26	--> CVVMCR 211122 J20	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P20	--> HHSVMCB 311100 J03	EMC: 2I	--	IH 02	
	Rt. 3 HHSVMC 311100 P03	--> HHFCU 112300 P12	EMC: 2B	--	WH 02	
HIFI MGHT3 -H (H17)	HHFPU 111100 J27	HHFCU 112300 J12	-H17	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P27	--> CVVMCR 211122 J20	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P20	--> HHSVMCB 311100 J03	EMC: 2I	--	IH 02	
	Rt. 3 HHSVMC 311100 P03	--> HHFCU 112300 P12	EMC: 2B	--	WH 02	
HIFI MGHT4 -H (H18)	HHFPU 111100 J28	HHFCU 112300 J12	-H18	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P28	--> CVVMCR 211122 J20	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P20	--> HHSVMCB 311100 J03	EMC: 2I	--	IH 02	
	Rt. 3 HHSVMC 311100 P03	--> HHFCU 112300 P12	EMC: 2B	--	WH 02	
HIFI MGHT5 -H (H19)	HHFPU 111100 J29	HHFCU 112300 J12	-H19	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P29	--> CVVMCR 211122 J20	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P20	--> HHSVMCB 311100 J03	EMC: 2I	--	IH 02	
	Rt. 3 HHSVMC 311100 P03	--> HHFCU 112300 P12	EMC: 2B	--	WH 02	
HIFI MGHT1 -V (H20)	HHFPU 111100 J32	HHFCU 112300 J22	-H20	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P32	--> CVVUCR 211121 J18	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P18	--> HHSVMCB 311100 J04	EMC: 2I	--	IH 08	
	Rt. 3 HHSVMC 311100 P04	--> HHFCU 112300 P22	EMC: 2B	--	WH 08	

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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
HIFI MGHT2 -V (H21)	HHFPU 111100 J33	HHFCU 112300 J22	-H21	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P33	--> CVVUCR 211121 J18	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P18	--> HHSVMCB 311100 J04	EMC: 2I	--	IH 08	
	Rt. 3 HHSVMC 311100 P04	--> HHFCU 112300 P22	EMC: 2B	--	WH 08	
HIFI MGHT3 -V (H22)	HHFPU 111100 J34	HHFCU 112300 J22	-H22	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P34	--> CVVUCR 211121 J18	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P18	--> HHSVMCB 311100 J04	EMC: 2I	--	IH 08	
	Rt. 3 HHSVMC 311100 P04	--> HHFCU 112300 P22	EMC: 2B	--	WH 08	
HIFI MGHT4 -V (H23)	HHFPU 111100 J35	HHFCU 112300 J22	-H23	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P35	--> CVVUCR 211121 J18	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P18	--> HHSVMCB 311100 J04	EMC: 2I	--	IH 08	
	Rt. 3 HHSVMC 311100 P04	--> HHFCU 112300 P22	EMC: 2B	--	WH 08	
HIFI MGHT5 -V (H24)	HHFPU 111100 J36	HHFCU 112300 J22	-H24	Type: HMH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P36	--> CVVUCR 211121 J18	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P18	--> HHSVMCB 311100 J04	EMC: 2I	--	IH 08	
	Rt. 3 HHSVMC 311100 P04	--> HHFCU 112300 P22	EMC: 2B	--	WH 08	
HIFI FIF1 D -H (H25)	HHFPU 111100 J39	HHFCU 112300 J14	-H25	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P39	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF1 G -H (H26)	HHFPU 111100 J39	HHFCU 112300 J14	-H26	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P39	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF2 D -H (H27)	HHFPU 111100 J40	HHFCU 112300 J14	-H27	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P40	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF2 G -H (H28)	HHFPU 111100 J40	HHFCU 112300 J14	-H28	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P40	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF3 D -H (H29)	HHFPU 111100 J41	HHFCU 112300 J14	-H29	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P41	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF3 G -H (H30)	HHFPU 111100 J41	HHFCU 112300 J14	-H30	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P41	--> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	--> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	--> HHFCU 112300 P14	EMC: 2B	--	WH 03	

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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
				Wiring		
HIFI FIF4 D -H (H31)	HHFPU 111100 J42	HHFCU 112300 J14	-H31	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P42	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF4 G -H (H32)	HHFPU 111100 J42	HHFCU 112300 J14	-H32	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P42	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF5 D -H (H33)	HHFPU 111100 J43	HHFCU 112300 J14	-H33	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P43	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF5 G -H (H34)	HHFPU 111100 J43	HHFCU 112300 J14	-H34	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P43	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF6 D -H (H35)	HHFPU 111100 J44	HHFCU 112300 J14	-H35	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P44	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF6 G -H (H36)	HHFPU 111100 J44	HHFCU 112300 J14	-H36	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P44	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF7 D -H (H37)	HHFPU 111100 J45	HHFCU 112300 J14	-H37	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P45	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF7 G -H (H38)	HHFPU 111100 J45	HHFCU 112300 J14	-H38	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P45	-> CVVUCR 211121 J16	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P16	-> HHSVMCB 311100 J05	EMC: 2I	--	IH 03	
	Rt. 3 HHSVMC 311100 P05	-> HHFCU 112300 P14	EMC: 2B	--	WH 03	
HIFI FIF1 D -V (H39)	HHFPU 111100 J46	HHFCU 112300 J24	-H39	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P46	-> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	-> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	-> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF1 G -V (H40)	HHFPU 111100 J46	HHFCU 112300 J24	-H40	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P46	-> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	-> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	-> HHFCU 112300 P24	EMC: 2B	--	WH 09	

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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
				Wiring		
HIFI FIF2 D -V (H41)	HHFPU 111100 J47	HHFCU 112300 J24	-H41	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P47	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF2 G -V (H42)	HHFPU 111100 J47	HHFCU 112300 J24	-H42	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P47	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF3 D -V (H43)	HHFPU 111100 J48	HHFCU 112300 J24	-H43	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P48	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF3 G -V (H44)	HHFPU 111100 J48	HHFCU 112300 J24	-H44	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P48	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF4 D -V (H45)	HHFPU 111100 J49	HHFCU 112300 J24	-H45	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P49	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF4 G -V (H46)	HHFPU 111100 J49	HHFCU 112300 J24	-H46	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P49	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF5 D -V (H47)	HHFPU 111100 J50	HHFCU 112300 J24	-H47	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P50	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF5 G -V (H48)	HHFPU 111100 J50	HHFCU 112300 J24	-H48	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P50	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF6 D -V (H49)	HHFPU 111100 J51	HHFCU 112300 J24	-H49	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P51	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF6 G -V (H50)	HHFPU 111100 J51	HHFCU 112300 J24	-H50	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P51	--> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	--> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	--> HHFCU 112300 P24	EMC: 2B	--	WH 09	

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HIFI FIF7 D -V (H51)	HHFPU 111100 J52	HHFCU 112300 J24	-H51	Type: H1D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P52	-> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	-> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	-> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI FIF7 G -V (H52)	HHFPU 111100 J52	HHFCU 112300 J24	-H52	Type: H1G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P52	-> CVVMCR 211122 J24	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P24	-> HHSVMCB 311100 J06	EMC: 2I	--	IH 09	
	Rt. 3 HHSVMC 311100 P06	-> HHFCU 112300 P24	EMC: 2B	--	WH 09	
HIFI SIF D1 -H (H53)	HHFPU 111100 J53	HHFCU 112300 J15	-H53	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P53	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF G1 -H (H54)	HHFPU 111100 J53	HHFCU 112300 J15	-H54	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P53	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF D2 -H (H55)	HHFPU 111100 J54	HHFCU 112300 J15	-H55	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P54	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF G2 -H (H56)	HHFPU 111100 J54	HHFCU 112300 J15	-H56	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P54	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF D3 -H (H57)	HHFPU 111100 J55	HHFCU 112300 J15	-H57	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P55	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF G3 -H (H58)	HHFPU 111100 J55	HHFCU 112300 J15	-H58	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P55	-> CVVMCR 211122 J21	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P21	-> HHSVMCB 311200 J07	EMC: 2I	--	IH 04	
	Rt. 3 HHSVMC 311200 P07	-> HHFCU 112300 P15	EMC: 2B	--	WH 04	
HIFI SIF D1 -V (H59)	HHFPU 111100 J56	HHFCU 112300 J25	-H59	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P56	-> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	-> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	-> HHFCU 112300 P25	EMC: 2B	--	WH 10	
HIFI SIF G1 -V (H60)	HHFPU 111100 J56	HHFCU 112300 J25	-H60	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P56	-> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	-> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	-> HHFCU 112300 P25	EMC: 2B	--	WH 10	

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				Wiring		
HIFI SIF D2 -V (H61)	HHFPU 111100 J57	HHFCU 112300 J25	-H61	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P57	--> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	--> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	--> HHFCU 112300 P25	EMC: 2B	--	WH 10	
HIFI SIF G2 -V (H62)	HHFPU 111100 J57	HHFCU 112300 J25	-H62	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P57	--> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	--> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	--> HHFCU 112300 P25	EMC: 2B	--	WH 10	
HIFI SIF D3 -V (H63)	HHFPU 111100 J58	HHFCU 112300 J25	-H63	Type: H2D	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P58	--> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	--> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	--> HHFCU 112300 P25	EMC: 2B	--	WH 10	
HIFI SIF G3 -V (H64)	HHFPU 111100 J58	HHFCU 112300 J25	-H64	Type: H2G	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P58	--> CVVUCR 211121 J19	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P19	--> HHSVMCB 311200 J08	EMC: 2I	--	IH 10	
	Rt. 3 HHSVMC 311200 P08	--> HHFCU 112300 P25	EMC: 2B	--	WH 10	
HIFI 2. IF Amp-TS-P (H65)	HHFPU 111100 J59	HHFCU 112300 J16	-H65	Type: H2S	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P59	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI 2. IF Amp-TS-R (H66)	HHFPU 111100 J60	HHFCU 112300 J26	-H66	Type: H2S	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P60	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI CP-AC-P (H67)	HHFPU 111100 J61	HHFCU 112300 J16	-H67	Type: HCA	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P61	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI CP-LT-PY-P(H68)	HHFPU 111100 J61	HHFCU 112300 J16	-H68	Type: HCP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P61	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI CP-LT-SY-P (H69)	HHFPU 111100 J61	HHFCU 112300 J16	-H69	Type: HCS	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P61	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI CP-AC-R (H70)	HHFPU 111100 J62	HHFCU 112300 J26	-H70	Type: HCA	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P62	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	

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HIFI CP-LT-PY-R (H71)	HHFPU 111100 J62	HHFCU 112300 J26	-H71	Type: HCP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P62	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI CP-LT-SY-R (H72)	HHFPU 111100 J62	HHFCU 112300 J26	-H72	Type: HCS	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P62	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI Therm. S02K P (H73)	HHFPU 111100 J63	HHFCU 112300 J16	-H73	Type: HT2	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P63	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI Therm. S04K P (H74)	HHFPU 111100 J63	HHFCU 112300 J16	-H74	Type: HT4	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P63	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI Therm. S10K R (H75)	HHFPU 111100 J64	HHFCU 112300 J26	-H75	Type: HT1	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P64	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI Therm. S02K R (H76)	HHFPU 111100 J64	HHFCU 112300 J26	-H76	Type: HT2	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P64	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI Therm. S04K R (H77)	HHFPU 111100 J64	HHFCU 112300 J26	-H77	Type: HT4	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P64	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI CS-CR-TS-P (H78)	HHFPU 111100 J65	HHFCU 112300 J16	-H78	Type: HBC	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P65	--> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	--> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	--> HHFCU 112300 P16	EMC: 2B	--	WH 11	
HIFI CS-HR-TS-P (H79)	HHFPU 111100 J65	HHFCU 112300 J16	-H79	Type: HBH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P65	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	
HIFI CS-HT-P (H80)	HHFPU 111100 J65	HHFCU 112300 J16	-H80	Type: HBT	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P65	--> CVVUCR 211121 J17	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P17	--> HHSVMCB 311200 J09	EMC: 2I	--	IH 05	
	Rt. 3 HHSVMC 311200 P09	--> HHFCU 112300 P16	EMC: 2B	--	WH 05	

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Channel Designation	from	to	Ch. ID	Data Sheet	Remark	New
				Wiring		
HIFI CS-HR-TS-R (H81)	HHFPU 111100 J66	HHFCU 112300 J26	-H81	Type: HBH	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P66	-> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	-> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	-> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI CS-HT-R (H82)	HHFPU 111100 J66	HHFCU 112300 J26	-H82	Type: HBT	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P66	-> CVVMCR 211122 J25	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P25	-> HHSVMCB 311200 J10	EMC: 2I	--	IH 11	
	Rt. 3 HHSVMC 311200 P10	-> HHFCU 112300 P26	EMC: 2B	--	WH 11	
HIFI DP3-AC-H (H83)	HHFPU 111100 J67	HHFCU 112300 J17	-H83	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P67	-> CVVMCR 211122 J22	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P22	-> HHSVMCB 311200 J11	EMC: 2I	--	IH 06	
	Rt. 3 HHSVMC 311200 P11	-> HHFCU 112300 P17	EMC: 2B	--	WH 06	
HIFI DP4-AC-H (H84)	HHFPU 111100 J67	HHFCU 112300 J17	-H84	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P67	-> CVVMCR 211122 J22	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P22	-> HHSVMCB 311200 J11	EMC: 2I	--	IH 06	
	Rt. 3 HHSVMC 311200 P11	-> HHFCU 112300 P17	EMC: 2B	--	WH 06	
HIFI DP5-AC-H (H85)	HHFPU 111100 J67	HHFCU 112300 J17	-H85	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P67	-> CVVMCR 211122 J22	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P22	-> HHSVMCB 311200 J11	EMC: 2I	--	IH 06	
	Rt. 3 HHSVMC 311200 P11	-> HHFCU 112300 P17	EMC: 2B	--	WH 06	
HIFI DP6-AC-H (H86)	HHFPU 111100 J67	HHFCU 112300 J17	-H86	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P67	-> CVVMCR 211122 J22	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P22	-> HHSVMCB 311200 J11	EMC: 2I	--	IH 06	
	Rt. 3 HHSVMC 311200 P11	-> HHFCU 112300 P17	EMC: 2B	--	WH 06	
HIFI DP7-AC-H (H87)	HHFPU 111100 J67	HHFCU 112300 J17	-H87	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P67	-> CVVMCR 211122 J22	EMC: 2C	--	-	
	Rt. 2 CVVMCR 211122 P22	-> HHSVMCB 311200 J11	EMC: 2I	--	IH 06	
	Rt. 3 HHSVMC 311200 P11	-> HHFCU 112300 P17	EMC: 2B	--	WH 06	
HIFI DP3-AC-V (H88)	HHFPU 111100 J68	HHFCU 112300 J27	-H88	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P68	-> CVVUCR 211121 J20	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P20	-> HHSVMCB 311200 J12	EMC: 2I	--	IH 12	
	Rt. 3 HHSVMC 311200 P12	-> HHFCU 112300 P27	EMC: 2B	--	WH 12	
HIFI DP4-AC-V (H89)	HHFPU 111100 J68	HHFCU 112300 J27	-H89	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P68	-> CVVUCR 211121 J20	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P20	-> HHSVMCB 311200 J12	EMC: 2I	--	IH 12	
	Rt. 3 HHSVMC 311200 P12	-> HHFCU 112300 P27	EMC: 2B	--	WH12	
HIFI DP5-AC-V (H90)	HHFPU 111100 J68	HHFCU 112300 J27	-H90	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P68	-> CVVUCR 211121 J20	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P20	-> HHSVMCB 311200 J12	EMC: 2I	--	IH 12	
	Rt. 3 HHSVMC 311200 P12	-> HHFCU 112300 P27	EMC: 2B	--	WH 12	

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HIFI DP6-AC-V (H91)	HHFPU 111100 J68	HHFCU 112300 J27	-H91	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P68	--> CVVUCR 211121 J20	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P20	--> HHSVMCB 311200 J12	EMC: 2I	--	IH 12	
	Rt. 3 HHSVMC 311200 P12	--> HHFCU 112300 P27	EMC: 2B	--	WH 12	
HIFI DP7-AC-V (H92)	HHFPU 111100 J68	HHFCU 112300 J27	-H92	Type: HDP	EMC-Class: 2C	
Routed via:	Rt. 1 HHFPU 111100 P68	--> CVVUCR 211121 J20	EMC: 2C	--	-	
	Rt. 2 CVVUCR 211121 P20	--> HHSVMCB 311200 J12	EMC: 2I	--	IH 12	
	Rt. 3 HHSVMC 311200 P12	--> HHFCU 112300 P27	EMC: 2B	--	WH12	

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Channel Designation	from	to		Ch. ID	Data Sheet	Remark	New
Wiring							
HIFI IF1 -H (I08)	HHFPU	111100 J01	HHFCU	112300 J31	-I08	Type: HIF	EMC-Class: 2C X
Routed via:	Rt. 1	HHFPU	111100 P01	--> CVVUCR	211121 J21	EMC: 2C	- X
	Rt. 2	CVVUCR	211121 P21	--> HHSVMCB	311200 J13	EMC: 2I	IH 13
	Rt. 3	HHSVMC	311200 P13	--> HHFCU	112300 P31	EMC: 2B	WH 13 X
HIFI IF1 -V (I09)	HHFPU	111100 J02	HHFCU	112300 J32	-I09	Type: HIF	EMC-Class: 2C
Routed via:	Rt. 1	HHFPU	111100 P02	--> CVVUCR	211121 J21	EMC: 2C	-
	Rt. 2	CVVUCR	211121 P21	--> HHSVMCB	311200 J13	EMC: 2I	IH 15
	Rt. 3	HHSVMC	311200 P13	--> HHFCU	112300 P32	EMC: 2B	WH 15
HIFI IF2 -H (I10)	HHFPU	111100 J03	HHFCU	112300 J33	-I10	Type: HIF	EMC-Class: 2C
Routed via:	Rt. 1	HHFPU	111100 P03	--> CVVUCR	211121 J22	EMC: 2C	-
	Rt. 2	CVVUCR	211121 P22	--> HHSVMCB	311200 J13	EMC: 2I	IH 14
	Rt. 3	HHSVMC	311200 P13	--> HHFCU	112300 P33	EMC: 2B	WH 14
HIFI IF2 -V (I11)	HHFPU	111100 J04	HHFCU	112300 J34	-I11	Type: HIF	EMC-Class: 2C
Routed via:	Rt. 1	HHFPU	111100 P04	--> CVVUCR	211121 J23	EMC: 2C	-
	Rt. 2	CVVUCR	211121 P23	--> HHSVMCB	311200 J13	EMC: 2I	IH16
	Rt. 3	HHSVMC	311200 P13	--> HHFCU	112300 P34	EMC: 2B	IH 16

14 Pin allocation List

(Subject of change)

This list describes the Unit Connector Pin allocations based on Instrument IIDB and Harness specifications

Insert PAL from CAIE DataBase

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 111100 J01

Function: HIFI FPU IF1-H

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: Coax Pin tbd

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

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Connector: 111100 J02

Function: HIFI FPU IF2-H

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: Coax Pin tbd

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
-	TBD							

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Connector: 111100 J11

Function: HIFI FPU Mixer Bias 1 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		1	H01		
02	HIFI MX1-H (H01) . B	HMX	HMX.- H	-H01	1	H01	1000 ohm 2ma	
03	HIFI MX1-H (H01) . VM	HMX	HMX.- H	-H01	1	H01	1000 ohm 0,001ma	
04	HIFI MX1-H (H01) . IM	HMX	HMX.- H	-H01	1	H01	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX1-H (H01) . BRTN	HMX	HMX.- H	-H01	1	H01	1000 ohm 2ma	
08	HIFI MX1-H (H01) . VMRTN	HMX	HMX.- H	-H01	1	H01	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J12

Function: HIFI FPU Mixer Bias 2 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		2	H02		
02	HIFI MX2-H (H02) . B	HMX	HMX.- H	-H02	2	H02	1000 ohm 2ma	
03	HIFI MX2-H (H02) . VM	HMX	HMX.- H	-H02	2	H02	1000 ohm 0,001ma	
04	HIFI MX2-H (H02) . IM	HMX	HMX.- H	-H02	2	H02	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX2-H (H02) . BRTN	HMX	HMX.- H	-H02	2	H02	1000 ohm 2ma	
08	HIFI MX2-H (H02) . VMRTN	HMX	HMX.- H	-H02	2	H02	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J13

Function: HIFI FPU Mixer Bias 3 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		3	H03		
02	HIFI MX3-H (H03) . B	HMX	HMX.- H	-H03	3	H03	1000 ohm 2ma	
03	HIFI MX3-H (H03) . VM	HMX	HMX.- H	-H03	3	H03	1000 ohm 0,001ma	
04	HIFI MX3-H (H03) . IM	HMX	HMX.- H	-H03	3	H03	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX3-H (H03) . BRTN	HMX	HMX.- H	-H03	3	H03	1000 ohm 2ma	
08	HIFI MX3-H (H03) . VMRTN	HMX	HMX.- H	-H03	3	H03	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J14

Function: HIFI FPU Mixer Bias 4 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		4	H04		
02	HIFI MX4-H (H04) . B	HMX	HMX.- H	-H04	4	H04	1000 ohm 2ma	
03	HIFI MX4-H (H04) . VM	HMX	HMX.- H	-H04	4	H04	1000 ohm 0,001ma	
04	HIFI MX4-H (H04) . IM	HMX	HMX.- H	-H04	4	H04	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX4-H (H04) . BRTN	HMX	HMX.- H	-H04	4	H04	1000 ohm 2ma	
08	HIFI MX4-H (H04) . VMRTN	HMX	HMX.- H	-H04	4	H04	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J15

Function: HIFI FPU Mixer Bias 5 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI MX5-H (H05) . SHD		HMX.- H	-H05	5	H05		
02	HIFI MX5-H (H05) . B	HMX	HMX.- H	-H05	5	H05	1000 ohm 2ma	
03	HIFI MX5-H (H05) . VM	HMX	HMX.- H	-H05	5	H05	1000 ohm 0,001ma	
04	HIFI MX5-H (H05) . IM	HMX	HMX.- H	-H05	5	H05	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX5-H (H05) . BRTN	HMX	HMX.- H	-H05	5	H05	1000 ohm 2ma	
08	HIFI MX5-H (H05) . VMRTN	HMX	HMX.- H	-H05	5	H05	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J16

Function: HIFI FPU Mixer Bias 6 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		6	H06		
02	HIFI MX6-H (H06) . B	HMX	HMX.- H	-H06	6	H06	1000 ohm 2ma	
03	HIFI MX6-H (H06) . VM	HMX	HMX.- H	-H06	6	H06	1000 ohm 0,001ma	
04	HIFI MX6-H (H06) . IM	HMX	HMX.- H	-H06	6	H06	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX6-H (H06) . BRTN	HMX	HMX.- H	-H06	6	H06	1000 ohm 2ma	
08	HIFI MX6-H (H06) . VMRTN	HMX	HMX.- H	-H06	6	H06	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J17

Function: HIFI FPU Mixer Bias 7 Hor.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		7	H07		
02	HIFI MX7-H (H07) . B	HMX	HMX.- H	-H07	7	H07	1000 ohm 2ma	
03	HIFI MX7-H (H07) . VM	HMX	HMX.- H	-H07	7	H07	1000 ohm 0,001ma	
04	HIFI MX7-H (H07) . IM	HMX	HMX.- H	-H07	7	H07	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX7-H (H07) . BRTN	HMX	HMX.- H	-H07	7	H07	1000 ohm 2ma	
08	HIFI MX7-H (H07) . VMRTN	HMX	HMX.- H	-H07	7	H07	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J18

Function: HIFI FPU Mixer Bias 1 Ver.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		8	H08		
02	HIFI MX1-V (H08) . B	HMX	HMX.- H	-H08	8	H08	1000 ohm 2ma	
03	HIFI MX1-V (H08) . VM	HMX	HMX.- H	-H08	8	H08	1000 ohm 0,001ma	
04	HIFI MX1-V (H08) . IM	HMX	HMX.- H	-H08	8	H08	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX1-V (H08) . BRTN	HMX	HMX.- H	-H08	8	H08	1000 ohm 2ma	
08	HIFI MX1-V (H08) . VMRTN	HMX	HMX.- H	-H08	8	H08	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J19

Function: HIFI FPU Mixer Bias 2 Ver.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		9	H09		
02	HIFI MX2-V (H09) . B	HMX	HMX.- H	-H09	9	H09	1000 ohm 2ma	
03	HIFI MX2-V (H09) . VM	HMX	HMX.- H	-H09	9	H09	1000 ohm 0,001ma	
04	HIFI MX2-V (H09) . IM	HMX	HMX.- H	-H09	9	H09	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX2-V (H09) . BRTN	HMX	HMX.- H	-H09	9	H09	1000 ohm 2ma	
08	HIFI MX2-V (H09) . VMRTN	HMX	HMX.- H	-H09	9	H09	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J20 **Function:** HIFI FPU Mixer Bias 3 Ver.
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		10	H10		
02	HIFI MX3-V (H10) . B	HMX	HMX.- H	-H10	10	H10	1000 ohm 2ma	
03	HIFI MX3-V (H10) . VM	HMX	HMX.- H	-H10	10	H10	1000 ohm 0,001ma	
04	HIFI MX3-V (H10) . IM	HMX	HMX.- H	-H10	10	H10	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX3-V (H10) . BRTN	HMX	HMX.- H	-H10	10	H10	1000 ohm 2ma	
08	HIFI MX3-V (H10) . VMRTN	HMX	HMX.- H	-H10	10	H10	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J21

Function: HIFI FPU Mixer Bias 4 Ver.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		11	H11		
02	HIFI MX4-V (H11) . B	HMX	HMX.- H	-H11	11	H11	1000 ohm 2ma	
03	HIFI MX4-V (H11) . VM	HMX	HMX.- H	-H11	11	H11	1000 ohm 0,001ma	
04	HIFI MX4-V (H11) . IM	HMX	HMX.- H	-H11	11	H11	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX4-V (H11) . BRTN	HMX	HMX.- H	-H11	11	H11	1000 ohm 2ma	
08	HIFI MX4-V (H11) . VMRTN	HMX	HMX.- H	-H11	11	H11	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J22 **Function:** HIFI FPU Mixer Bias 5 Ver.
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		12	H12		
02	HIFI MX5-V (H12) . B	HMX	HMX.- H	-H12	12	H12	1000 ohm 2ma	
03	HIFI MX5-V (H12) . VM	HMX	HMX.- H	-H12	12	H12	1000 ohm 0,001ma	
04	HIFI MX5-V (H12) . IM	HMX	HMX.- H	-H12	12	H12	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX5-V (H12) . BRTN	HMX	HMX.- H	-H12	12	H12	1000 ohm 2ma	
08	HIFI MX5-V (H12) . VMRTN	HMX	HMX.- H	-H12	12	H12	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J23

Function: HIFI FPU Mixer Bias 6 Ver.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		13	H13		
02	HIFI MX6-V (H13) . B	HMX	HMX.- H	-H13	13	H13	1000 ohm 2ma	
03	HIFI MX6-V (H13) . VM	HMX	HMX.- H	-H13	13	H13	1000 ohm 0,001ma	
04	HIFI MX6-V (H13) . IM	HMX	HMX.- H	-H13	13	H13	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX6-V (H13) . BRTN	HMX	HMX.- H	-H13	13	H13	1000 ohm 2ma	
08	HIFI MX6-V (H13) . VMRTN	HMX	HMX.- H	-H13	13	H13	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J24

Function: HIFI FPU Mixer Bias 7 Ver.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		14	H14		
02	HIFI MX7-V (H14) . B	HMX	HMX.- H	-H14	14	H14	1000 ohm 2ma	
03	HIFI MX7-V (H14) . VM	HMX	HMX.- H	-H14	14	H14	1000 ohm 0,001ma	
04	HIFI MX7-V (H14) . IM	HMX	HMX.- H	-H14	14	H14	1000 ohm 0,001ma	
05	NC							
06	NC							
07	HIFI MX7-V (H14) . BRTN	HMX	HMX.- H	-H14	14	H14	1000 ohm 2ma	
08	HIFI MX7-V (H14) . VMRTN	HMX	HMX.- H	-H14	14	H14	1000 ohm 0,001ma	
09	NC							

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Connector: 111100 J25 **Function:** HIFI FPU Magnets, Heaters Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT1-H (H15) . HT	HMH	HMH.- H	-H15	15	H15	100ohm, 10ma	
01	HIFI MGHT1-H (H15) . HTRTN	HMH	HMH.- H	-H15	15	H15	100ohm, 10ma	
07	HIFI MGHT1-H (H15) . MG	HMH	HMH.- H	-H15	15	H15	100ohm, 15ma	
02	HIFI MGHT1-H (H15) . MGRTN	HMH	HMH.- H	-H15	15	H15	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		15	H15		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J26

Function: HIFI FPU Magnets, Heaters Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT2 -H (H16) . HT	HMH	HMH.- H	-H16	16	H16	100ohm, 10ma	
01	HIFI MGHT2 -H (H16) . HTRTN	HMH	HMH.- H	-H16	16	H16	100ohm, 10ma	
07	HIFI MGHT2 -H (H16) . MG	HMH	HMH.- H	-H16	16	H16	100ohm, 15ma	
02	HIFI MGHT2 -H (H16) . MGRTN	HMH	HMH.- H	-H16	16	H16	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		16	H16		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J27

Function: HIFI FPU Magnets, Heaters Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT3 -H (H17) . HT	HMH	HMH.- H	-H17	17	H17	100ohm, 10ma	
01	HIFI MGHT3 -H (H17) . HTRTN	HMH	HMH.- H	-H17	17	H17	100ohm, 10ma	
07	HIFI MGHT3 -H (H17) . MG	HMH	HMH.- H	-H17	17	H17	100ohm, 15ma	
02	HIFI MGHT3 -H (H17) . MGRTN	HMH	HMH.- H	-H17	17	H17	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		17	H17		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J28 **Function:** HIFI FPU Magnets, Heaters Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT4 -H (H18) . HT	HMH	HMH.- H	-H18	18	H18	100ohm, 10ma	
01	HIFI MGHT4 -H (H18) . HTRTN	HMH	HMH.- H	-H18	18	H18	100ohm, 10ma	
07	HIFI MGHT4 -H (H18) . MG	HMH	HMH.- H	-H18	18	H18	100ohm,15ma	
02	HIFI MGHT4 -H (H18) . MGRTN	HMH	HMH.- H	-H18	18	H18	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		18	H18		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J29 **Function:** HIFI FPU Magnets, Heaters Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT5 -H (H19) . HT	HMH	HMH.- H	-H19	19	H19	100ohm, 10ma	
01	HIFI MGHT5 -H (H19) . HTRTN	HMH	HMH.- H	-H19	19	H19	100ohm, 10ma	
07	HIFI MGHT5 -H (H19) . MG	HMH	HMH.- H	-H19	19	H19	100ohm,15ma	
02	HIFI MGHT5 -H (H19) . MGRTN	HMH	HMH.- H	-H19	19	H19	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		19	H19		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J32

Function: HIFI FPU Magnets, Heaters Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT1 -V (H20) . HT	HMH	HMH.- H	-H20	20	H20	100ohm, 10ma	
01	HIFI MGHT1 -V (H20) . HTRTN	HMH	HMH.- H	-H20	20	H20	100ohm, 10ma	
07	HIFI MGHT1 -V (H20) . MG	HMH	HMH.- H	-H20	20	H20	100ohm, 15ma	
02	HIFI MGHT1 -V (H20) . MGRTN	HMH	HMH.- H	-H20	20	H20	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		20	H20		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J33 **Function:** HIFI FPU Magnets, Heaters Ver
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT2 -V (H21) . HT	HMH	HMH.- H	-H21	21	H21	100ohm, 10ma	
01	HIFI MGHT2 -V (H21) . HTRTN	HMH	HMH.- H	-H21	21	H21	100ohm, 10ma	
07	HIFI MGHT2 -V (H21) . MG	HMH	HMH.- H	-H21	21	H21	100ohm, 15ma	
02	HIFI MGHT2 -V (H21) . MGRTN	HMH	HMH.- H	-H21	21	H21	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		21	H21		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J34 **Function:** HIFI FPU Magnets, Heaters Ver
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT3 -V (H22) . HT	HMH	HMH.- H	-H22	22	H22	100ohm, 10ma	
01	HIFI MGHT3 -V (H22) . HTRTN	HMH	HMH.- H	-H22	22	H22	100ohm, 10ma	
07	HIFI MGHT3 -V (H22) . MG	HMH	HMH.- H	-H22	22	H22	100ohm, 15ma	
02	HIFI MGHT3 -V (H22) . MGRTN	HMH	HMH.- H	-H22	22	H22	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		22	H22		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J35 **Function:** HIFI FPU Magnets, Heaters Ver
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT4 -V (H23) . HT	HMH	HMH.- H	-H23	23	H23	100ohm, 10ma	
01	HIFI MGHT4 -V (H23) . HTRTN	HMH	HMH.- H	-H23	23	H23	100ohm, 10ma	
07	HIFI MGHT4 -V (H23) . MG	HMH	HMH.- H	-H23	23	H23	100ohm, 15ma	
02	HIFI MGHT4 -V (H23) . MGRTN	HMH	HMH.- H	-H23	23	H23	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		23	H23		
04	NC							
05	NC							
08	NC							
09	NC							

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Connector: 111100 J36

Function: HIFI FPU Magnets, Heaters Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI MGHT5 -V (H24) . HT	HMH	HMH.- H	-H24	24	H24	100ohm, 10ma	
01	HIFI MGHT5 -V (H24) . HTRTN	HMH	HMH.- H	-H24	24	H24	100ohm, 10ma	
07	HIFI MGHT5 -V (H24) . MG	HMH	HMH.- H	-H24	24	H24	100ohm, 15ma	
02	HIFI MGHT5 -V (H24) . MGRTN	HMH	HMH.- H	-H24	24	H24	100ohm, 15ma	
03	CABLE SHIELD . SHD	SHD	H		24	H24		
04	NC							
05	NC							
08	NC							
09	NC							

Pin Allocation List

(Item)

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Connector: 111100 J39

Function: HIFI FPU 1. IF Ampl. 1 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF1 D -H (H25) . D2	H1D	H1D.- H	-H25	25	H25	A	25ohm, 10ma	
03	HIFI FIF1 D -H (H25) . D1	H1D	H1D.- H	-H25	25	H25	A	25ohm, 10ma	
04	HIFI FIF1 D -H (H25) . TST	H1D	H1D.- H	-H25	25	H25	A	25ohm, 1ma	
09	HIFI FIF1 D -H (H25) . DRTN	H1D	H1D.- H	-H25	25	H25	A	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		25	H25	A		
01	CABLE SHIELD	SHD	H		26	H26	A		
08	HIFI FIF1 G -H (H26) . G2	H1G	H1G.- H	-H26	26	H26	A	1000ohm, 0,001ma	
02	HIFI FIF1 G -H (H26) . GRTN	H1G	H1G.- H	-H26	26	H26	A	1000ohm, 0,001ma	
05	HIFI FIF1 G -H (H26) . G1	H1G	H1G.- H	-H26	26	H26	A	1000ohm, 0,001ma	

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Connector: 111100 J40

Function: HIFI FPU 1. IF Ampl. 2 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF2 D -H (H27) . D2	H1D	H1D.1 H	-H27	27	H27	B	25ohm, 10ma	
03	HIFI FIF2 D -H (H27) . D1	H1D	H1D.1 H	-H27	27	H27	B	25ohm, 10ma	
04	NC								
09	HIFI FIF2 D -H (H27) . DRTN	H1D	H1D.1 H	-H27	27	H27	B	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		27	H27	B		
01	CABLE SHIELD	SHD	H		28	H28	B		
08	HIFI FIF2 G -H (H28) . G2	H1G	H1G.- H	-H28	28	H28	B	1000ohm, 0,001ma	
02	HIFI FIF2 G -H (H28) . GRTN	H1G	H1G.- H	-H28	28	H28	B	1000ohm, 0,001ma	
05	HIFI FIF2 G -H (H28) . G1	H1G	H1G.- H	-H28	28	H28	B	1000ohm, 0,001ma	

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Connector: 111100 J41

Function: HIFI FPU 1. IF Ampl. 3 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF3 D -H (H29) . D2	H1D	H1D.1 H	-H29	29	H29	C	25ohm, 10ma	
03	HIFI FIF3 D -H (H29) . D1	H1D	H1D.1 H	-H29	29	H29	C	25ohm, 10ma	
04	NC								
09	HIFI FIF3 D -H (H29) . DRTN	H1D	H1D.1 H	-H29	29	H29	C	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		29	H29	C		
01	CABLE SHIELD	SHD	H		30	H30	C		
08	HIFI FIF3 G -H (H30) . G2	H1G	H1G.- H	-H30	30	H30	C	1000ohm, 0,001ma	
02	HIFI FIF3 G -H (H30) . GRTN	H1G	H1G.- H	-H30	30	H30	C	1000ohm, 0,001ma	
05	HIFI FIF3 G -H (H30) . G1	H1G	H1G.- H	-H30	30	H30	C	1000ohm, 0,001ma	

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Connector: 111100 J42 **Function:** HIFI FPU 1. IF Ampl. 4 Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF4 D -H (H31) . D2	H1D	H1D.- H	-H31	31	H31	D	25ohm, 10ma	
03	HIFI FIF4 D -H (H31) . D1	H1D	H1D.- H	-H31	31	H31	D	25ohm, 10ma	
04	HIFI FIF4 D -H (H31) . TST	H1D	H1D.- H	-H31	31	H31	D	25ohm, 1ma	
09	HIFI FIF4 D -H (H31) . DRTN	H1D	H1D.- H	-H31	31	H31	D	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		31	H31	D		
01	CABLE SHIELD	SHD	H		32	H32	D		
08	HIFI FIF4 G -H (H32) . G2	H1G	H1G.- H	-H32	32	H32	D	1000ohm, 0,001ma	
02	HIFI FIF4 G -H (H32) . GRTN	H1G	H1G.- H	-H32	32	H32	D	1000ohm, 0,001ma	
05	HIFI FIF4 G -H (H32) . G1	H1G	H1G.- H	-H32	32	H32	D	1000ohm, 0,001ma	

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Connector: 111100 J43

Function: HIFI FPU 1. IF Ampl. 5 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF5 D -H (H33) . D2	H1D	H1D.1 H	-H33	33	H33	E	25ohm, 10ma	
03	HIFI FIF5 D -H (H33) . D1	H1D	H1D.1 H	-H33	33	H33	E	25ohm, 10ma	
04	NC								
09	HIFI FIF5 D -H (H33) . DRTN	H1D	H1D.1 H	-H33	33	H33	E	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		33	H33	E		
01	CABLE SHIELD	SHD	H		34	H34	E		
08	HIFI FIF5 G -H (H34) . G2	H1G	H1G.- H	-H34	34	H34	E	1000ohm, 0,001ma	
02	HIFI FIF5 G -H (H34) . GRTN	H1G	H1G.- H	-H34	34	H34	E	1000ohm, 0,001ma	
05	HIFI FIF5 G -H (H34) . G1	H1G	H1G.- H	-H34	34	H34	E	1000ohm, 0,001ma	

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Connector: 111100 J44

Function: HIFI FPU 1. IF Ampl. 6 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF6 D -H (H35) . D2	H1D	H1D.1 H	-H35	35	H35	F	25ohm, 10ma	
03	HIFI FIF6 D -H (H35) . D1	H1D	H1D.1 H	-H35	35	H35	F	25ohm, 10ma	
04	NC								
09	HIFI FIF6 D -H (H35) . DRTN	H1D	H1D.1 H	-H35	35	H33	F	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		35	H35	F		
01	CABLE SHIELD	SHD	H		36	H36	F		
08	HIFI FIF6 G -H (H36) . G2	H1G	H1G.- H	-H36	36	H36	F	1000ohm, 0,001ma	
02	HIFI FIF6 G -H (H36) . GRTN	H1G	H1G.- H	-H36	36	H36	F	1000ohm, 0,001ma	
05	HIFI FIF6 G -H (H36) . G1	H1G	H1G.- H	-H36	36	H36	F	1000ohm, 0,001ma	

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Connector: 111100 J45

Function: HIFI FPU 1. IF Ampl. 7 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF7 D -H (H37) . D2	H1D	H1D.1 H	-H37	37	H37	G	25ohm, 10ma	
03	HIFI FIF7 D -H (H37) . D1	H1D	H1D.1 H	-H37	37	H37	G	25ohm, 10ma	
04	NC								
09	HIFI FIF7 D -H (H37) . DRTN	H1D	H1D.1 H	-H37	37	H37	G	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		37	H37	G		
01	CABLE SHIELD	SHD	H		38	H38	G		
08	HIFI FIF7 G -H (H38) . G2	H1G	H1G.- H	-H38	38	H38	G	1000ohm, 0,001ma	
02	HIFI FIF7 G -H (H38) . GRTN	H1G	H1G.- H	-H38	38	H38	G	1000ohm, 0,001ma	
05	HIFI FIF7 G -H (H38) . G1	H1G	H1G.- H	-H38	38	H38	G	1000ohm, 0,001ma	

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Connector: 111100 J46

Function: HIFI FPU 1. IF Ampl. 1 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF1 D -V (H39) . D2	H1D	H1D.- H	-H39	39	H39	H	25ohm, 10ma	
03	HIFI FIF1 D -V (H39) . D1	H1D	H1D.- H	-H39	39	H39	H	25ohm, 10ma	
04	HIFI FIF1 D -V (H39) . TST	H1D	H1D.- H	-H39	39	H39	H	25ohm, 1ma	
09	HIFI FIF1 D -V (H39) . DRTN	H1D	H1D.- H	-H39	39	H39	H	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		39	H39	H		
01	CABLE SHIELD	SHD	H		40	H40	H		
08	HIFI FIF1 G -V (H40) . G2	H1G	H1G.- H	-H40	40	H40	H	1000ohm, 0,001ma	
02	HIFI FIF1 G -V (H40) . GRTN	H1G	H1G.- H	-H40	40	H40	H	1000ohm, 0,001ma	
05	HIFI FIF1 G -V (H40) . G1	H1G	H1G.- H	-H40	40	H40	H	1000ohm, 0,001ma	

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Connector: 111100 J47

Function: HIFI FPU 1. IF Ampl. 2 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF2 D -V (H41) . D2	H1D	H1D.1 H	-H41	41	H41		25ohm, 10ma	
03	HIFI FIF2 D -V (H41) . D1	H1D	H1D.1 H	-H41	41	H41		25ohm, 10ma	
04	NC								
09	HIFI FIF2 D -V (H41) . DRTN	H1D	H1D.1 H	-H41	41	H41		25ohm, 20ma	
07	CABLE SHIELD	SHD	H		41	H41			
01	CABLE SHIELD	SHD	H		42	H42			
08	HIFI FIF2 G -V (H42) . G2	H1G	H1G.- H	-H42	42	H42		1000ohm, 0,001ma	
02	HIFI FIF2 G -V (H42) . GRTN	H1G	H1G.- H	-H42	42	H42		1000ohm, 0,001ma	
05	HIFI FIF2 G -V (H42) . G1	H1G	H1G.- H	-H42	42	H42		1000ohm, 0,001ma	

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Connector: 111100 J48

Function: HIFI FPU 1. IF Ampl. 3 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF3 D -V (H43) . D2	H1D	H1D.1 H	-H43	43	H43	J	25ohm, 10ma	
03	HIFI FIF3 D -V (H43) . D1	H1D	H1D.1 H	-H43	43	H43	J	25ohm, 10ma	
04	NC								
09	HIFI FIF3 D -V (H43) . DRTN	H1D	H1D.1 H	-H43	43	H43	J	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		43	H43	J		
01	CABLE SHIELD	SHD	H		44	H44	J		
08	HIFI FIF3 G -V (H44) . G2	H1G	H1G.- H	-H44	44	H44	J	1000ohm, 0,001ma	
02	HIFI FIF3 G -V (H44) . GRTN	H1G	H1G.- H	-H44	44	H44	J	1000ohm, 0,001ma	
05	HIFI FIF3 G -V (H44) . G1	H1G	H1G.- H	-H44	44	H44	J	1000ohm, 0,001ma	

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Connector: 111100 J49 **Function:** HIFI FPU 1. IF Ampl. 4 Ver
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM09P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF4 D -V (H45) . D2	H1D	H1D.- H	-H45	45	H45	K	25ohm, 10ma	
03	HIFI FIF4 D -V (H45) . D1	H1D	H1D.- H	-H45	45	H45	K	25ohm, 10ma	
04	HIFI FIF4 D -V (H45) . TST	H1D	H1D.- H	-H45	45	H45	K	25ohm, 1ma	
09	HIFI FIF4 D -V (H45) . DRTN	H1D	H1D.- H	-H45	45	H45	K	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		45	H45	K		
01	CABLE SHIELD	SHD	H		46	H46	K		
08	HIFI FIF4 G -V (H46) . G2	H1G	H1G.- H	-H46	46	H46	K	1000ohm, 0,001ma	
02	HIFI FIF4 G -V (H46) . GRTN	H1G	H1G.- H	-H46	46	H46	K	1000ohm, 0,001ma	
05	HIFI FIF4 G -V (H46) . G1	H1G	H1G.- H	-H46	46	H46	K	1000ohm, 0,001ma	

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Connector: 111100 J50

Function: HIFI FPU 1. IF Ampl. 5 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF5 D -V (H47) . D2	H1D	H1D.1 H	-H47	47	H47	L	25ohm, 10ma	
03	HIFI FIF5 D -V (H47) . D1	H1D	H1D.1 H	-H47	47	H47	L	25ohm, 10ma	
04	NC								
09	HIFI FIF5 D -V (H47) . DRTN	H1D	H1D.1 H	-H47	47	H47	L	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		47	H47	L		
01	CABLE SHIELD	SHD	H		48	H48	L		
08	HIFI FIF5 G -V (H48) . G2	H1G	H1G.- H	-H48	48	H48	L	1000ohm, 0,001ma	
02	HIFI FIF5 G -V (H48) . GRTN	H1G	H1G.- H	-H48	48	H48	L	1000ohm, 0,001ma	
05	HIFI FIF5 G -V (H48) . G1	H1G	H1G.- H	-H48	48	H48	L	1000ohm, 0,001ma	

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Connector: 111100 J51

Function: HIFI FPU 1. IF Ampl. 6 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF6 D -V (H49) . D2	H1D	H1D.1 H	-H49	49	H49	M	25ohm, 10ma	
03	HIFI FIF6 D -V (H49) . D1	H1D	H1D.1 H	-H49	49	H49	M	25ohm, 10ma	
04	NC								
09	HIFI FIF6 D -V (H49) . DRTN	H1D	H1D.1 H	-H49	49	H49	M	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		49	H49	M		
01	CABLE SHIELD	SHD	H		50	H50	M		
08	HIFI FIF6 G -V (H50) . G2	H1G	H1G.- H	-H50	50	H50	M	1000ohm, 0,001ma	
02	HIFI FIF6 G -V (H50) . GRTN	H1G	H1G.- H	-H50	50	H50	M	1000ohm, 0,001ma	
05	HIFI FIF6 G -V (H50) . G1	H1G	H1G.- H	-H50	50	50	M	1000ohm, 0,001ma	

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Connector: 111100 J52

Function: HIFI FPU 1. IF Ampl. 7 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM09P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
06	HIFI FIF7 D -V (H51) . D2	H1D	H1D.1 H	-H51	51	H51	N	25ohm, 10ma	
03	HIFI FIF7 D -V (H51) . D1	H1D	H1D.1 H	-H51	51	H51	N	25ohm, 10ma	
04	NC								
09	HIFI FIF7 D -V (H51) . DRTN	H1D	H1D.1 H	-H51	51	H51	N	25ohm, 20ma	
07	CABLE SHIELD	SHD	H		51	H51	N		
01	CABLE SHIELD	SHD	H		52	H52	N		
08	HIFI FIF7 G -V (H52) . G2	H1G	H1G.- H	-H52	52	H52	N	1000ohm, 0,001ma	
02	HIFI FIF7 G -V (H52) . GRTN	H1G	H1G.- H	-H52	52	H52	N	1000ohm, 0,001ma	
05	HIFI FIF7 G -V (H52) . G1	H1G	H1G.- H	-H52	52	H52	N	1000ohm, 0,001ma	

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Connector: 111100 J53

Function: HIFI FPU 2. IF Ampl. 1 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D1 -H (H53) . SIF1	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
13	HIFI SIF D1 -H (H53) . SIF2	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
03	HIFI SIF D1 -H (H53) . SIF3	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
14	HIFI SIF D1 -H (H53) . SIF4	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
04	HIFI SIF D1 -H (H53) . SIF5	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
15	HIFI SIF D1 -H (H53) . SIF6	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
05	HIFI SIF D1 -H (H53) . SIF7	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
16	HIFI SIF D1 -H (H53) . TST	H2D	H2D.- H	-H53	53	H53	O	25ohm, 1ma	
06	HIFI SIF D1 -H (H53) . RTN	H2D	H2D.- H	-H53	53	H53	O	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		53	H53	O		
09	HIFI SIF G1 -H (H54) . GA	H2G	H2G.- H	-H54	54	H54	O	1000ohm, 0,001ma	
19	HIFI SIF G1 -H (H54) . RTNA	H2G	H2G.- H	-H54	54	H54	O	1000ohm, 0,001ma	
10	HIFI SIF G1 -H (H54) . GB	H2G	H2G.- H	-H54	54	H54	O	1000ohm, 0,001ma	
20	HIFI SIF G1 -H (H54) . RTNB	H2G	H2G.- H	-H54	54	H54	O	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		54	H54	O		
17	NC								
07	NC								
18	NC								
08	NC								

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Connector: 111100 J54 **Function:** HIFI FPU 2. IF Ampl. 2 Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D2 -H (H55) . SIF1	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
13	HIFI SIF D2 -H (H55) . SIF2	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
03	HIFI SIF D2 -H (H55) . SIF3	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
14	HIFI SIF D2 -H (H55) . SIF4	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
04	HIFI SIF D2 -H (H55) . SIF5	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
15	HIFI SIF D2 -H (H55) . SIF6	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
05	HIFI SIF D2 -H (H55) . SIF7	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
16	HIFI SIF D2 -H (H55) . TST	H2D	H2D.- H	-H55	55	H55	P	25ohm, 1ma	
06	HIFI SIF D2 -H (H55) . RTN	H2D	H2D.- H	-H55	55	H55	P	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		55	H55	P		
09	HIFI SIF G2 -H (H56) . GA	H2G	H2G.- H	-H56	56	H56	P	1000ohm, 0,001ma	
19	HIFI SIF G2 -H (H56) . RTNA	H2G	H2G.- H	-H56	56	H56	P	1000ohm, 0,001ma	
10	HIFI SIF G2 -H (H56) . GB	H2G	H2G.- H	-H56	56	H56	P	1000ohm, 0,001ma	
20	HIFI SIF G2 -H (H56) . RTNB	H2G	H2G.- H	-H56	56	H56	P	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		56	H56	P		
17	NC								
07	NC								
18	NC								
08	NC								

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Connector: 111100 J55

Function: HIFI FPU 2. IF Ampl. 3 Hor

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D3 -H (H57) . SIF1	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
13	HIFI SIF D3 -H (H57) . SIF2	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
03	HIFI SIF D3 -H (H57) . SIF3	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
14	HIFI SIF D3 -H (H57) . SIF4	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
04	HIFI SIF D3 -H (H57) . SIF5	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
15	HIFI SIF D3 -H (H57) . SIF6	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
05	HIFI SIF D3 -H (H57) . SIF7	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
16	HIFI SIF D3 -H (H57) . TST	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 1ma	
06	HIFI SIF D3 -H (H57) . RTN	H2D	H2D.- H	-H57	57	H57	Q	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		57	H57	Q		
09	HIFI SIF G3 -H (H58) . GA	H2G	H2G.- H	-H58	58	H58	Q	1000ohm, 0,001ma	
19	HIFI SIF G3 -H (H58) . RTNA	H2G	H2G.- H	-H58	58	H58	Q	1000ohm, 0,001ma	
10	HIFI SIF G3 -H (H58) . GB	H2G	H2G.- H	-H58	58	H58	Q	1000ohm, 0,001ma	
20	HIFI SIF G3 -H (H58) . RTNB	H2G	H2G.- H	-H58	58	H58	Q	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		58	H58	Q		
17	NC								
07	NC								
18	NC								
08	NC								

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Connector: 111100 J56

Function: HIFI FPU 2. IF Ampl. 1 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D1 -V (H59) . SIF1	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
13	HIFI SIF D1 -V (H59) . SIF2	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
03	HIFI SIF D1 -V (H59) . SIF3	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
14	HIFI SIF D1 -V (H59) . SIF4	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
04	HIFI SIF D1 -V (H59) . SIF5	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
15	HIFI SIF D1 -V (H59) . SIF6	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
05	HIFI SIF D1 -V (H59) . SIF7	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
16	HIFI SIF D1 -V (H59) . SIFTS	H2D	H2D.- H	-H59	59	H59	R	25ohm, 1ma	
06	HIFI SIF D1 -V (H59) . RTN	H2D	H2D.- H	-H59	59	H59	R	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		59	H59	R		
09	HIFI SIF G1 -V (H60) . GA	H2G	H2G.- H	-H60	60	H60	R	1000ohm, 0,001ma	
19	HIFI SIF G1 -V (H60) . RTNA	H2G	H2G.- H	-H60	60	H60	R	1000ohm, 0,001ma	
10	HIFI SIF G1 -V (H60) . GB	H2G	H2G.- H	-H60	60	H60	R	1000ohm, 0,001ma	
20	HIFI SIF G1 -V (H60) . RTNB	H2G	H2G.- H	-H60	60	H60	R	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		60	H60	R		
17	NC								
07	NC								
18	NC								
08	NC								

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Connector: 111100 J57 **Function:** HIFI FPU 2. IF Ampl. 2 Ver
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D2 -V (H61) . SIF1	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
13	HIFI SIF D2 -V (H61) . SIF2	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
03	HIFI SIF D2 -V (H61) . SIF3	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
14	HIFI SIF D2 -V (H61) . SIF4	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
04	HIFI SIF D2 -V (H61) . SIF5	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
15	HIFI SIF D2 -V (H61) . SIF6	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
05	HIFI SIF D2 -V (H61) . SIF7	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
16	HIFI SIF D2 -V (H61) . SIFTS	H2D	H2D.- H	-H61	61	H61	S	25ohm, 1ma	
06	HIFI SIF D2 -V (H61) . RTN	H2D	H2D.- H	-H61	61	H61	S	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		61	H61	S		
09	HIFI SIF G2 -V (H62) . GA	H2G	H2G.- H	-H62	62	H62	S	1000ohm, 0,001ma	
19	HIFI SIF G2 -V (H62) . RTNA	H2G	H2G.- H	-H62	62	H62	S	1000ohm, 0,001ma	
10	HIFI SIF G2 -V (H62) . GB	H2G	H2G.- H	-H62	62	H62	S	1000ohm, 0,001ma	
20	HIFI SIF G2 -V (H62) . RTNB	H2G	H2G.- H	-H62	62	H62	S	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		62	H62	S		
17	NC								
07	NC								
18	NC								
08	NC								
-	NC								
-	NC								

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Connector: 111100 J58

Function: HIFI FPU 2. IF Ampl. 3 Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	New
		Circuit	Signal Pos.		Shd	Cable	Twist		
02	HIFI SIF D3 -V (H63) . SIF1	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
13	HIFI SIF D3 -V (H63) . SIF2	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
03	HIFI SIF D3 -V (H63) . SIF3	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
14	HIFI SIF D3 -V (H63) . SIF4	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
04	HIFI SIF D3 -V (H63) . SIF5	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
15	HIFI SIF D3 -V (H63) . SIF6	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
05	HIFI SIF D3 -V (H63) . SIF7	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
16	HIFI SIF D3 -V (H63) . SIFTS	H2D	H2D.- H	-H63	63	H63	T	25ohm, 1ma	
06	HIFI SIF D3 -V (H63) . RTN	H2D	H2D.- H	-H63	63	H63	T	25ohm, 10ma	
01	CABLE SHIELD . SHD	SHD	H		63	H63	T		
09	HIFI SIF G3 -V (H64) . GA	H2G	H2G.- H	-H64	64	H64	T	1000ohm, 0,001ma	
19	HIFI SIF G3 -V (H64) . RTNA	H2G	H2G.- H	-H64	64	H64	T	1000ohm, 0,001ma	
10	HIFI SIF G3 -V (H64) . GB	H2G	H2G.- H	-H64	64	H64	T	1000ohm, 0,001ma	
20	HIFI SIF G3 -V (H64) . RTNB	H2G	H2G.- H	-H64	64	H64	T	1000ohm, 0,001ma	
21	CABLE SHIELD . SHD	SHD	H		64	H64	T		
17	NC								
07	NC								
18	NC								
08	NC								
-	NC								
-	NC								

Pin Allocation List
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Connector: 111100 J59 **Function:** HIFI FPU 2. IF Ampl. Therm. Prime
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI 2. IF Amp-TS-P (H65) . I	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
16	HIFI 2. IF Amp-TS-P (H65) . IRTN	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
07	HIFI 2. IF Amp-TS-P (H65) . V	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
17	HIFI 2. IF Amp-TS-P (H65) . VRTN	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
05	CABLE SHIELD	SHD	H		65	H65		
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							

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Connector: 111100 J60 **Function:** HIFI FPU 2. IF Ampl. Therm. Red.
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
06	HIFI 2. IF Amp-TS-R (H66) . I	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
16	HIFI 2. IF Amp-TS-R (H66) . IRTN	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
07	HIFI 2. IF Amp-TS-R (H66) . V	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
17	HIFI 2. IF Amp-TS-R (H66) . VRTN	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
05	CABLE SHIELD	SHD	H		66	H66		
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							
-	NC							

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Connector: 111100 J61

Function: HIFI FPU Chopper Prime

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI CP-AC-P (H67) . A	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
12	HIFI CP-AC-P (H67) . RTNA	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
13	HIFI CP-AC-P (H67) . B	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
03	HIFI CP-AC-P (H67) . RTN2	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
02	CABLE SHIELD	SHD	H		67	H67		
15	HIFI CP-LT-PY-P(H68) . SIG	HCP	HCP.- H	-H68	68	H68	100ohm, 5ma	
16	HIFI CP-LT-PY-P(H68) . RTN	HCP	HCP.- H	-H68	68	H68	100ohm, 5ma	
05	CABLE SHIELD	SHD	H		68	H68		
07	HIFI CP-LT-SY-P (H69) . A	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
18	HIFI CP-LT-SY-P (H69) . RTN	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
08	HIFI CP-LT-SY-P (H69) . B	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
19	CABLE SHIELD	SHD	H		69	H69		
14	NC							
04	NC							
06	NC							
17	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

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Connector: 111100 J62 **Function:** HIFI FPU Choper Red.
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI CP-AC-R (H70) . A	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
12	HIFI CP-AC-R (H70) . RTNA	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
13	HIFI CP-AC-R (H70) . B	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
03	HIFI CP-AC-R (H70) . RTN2	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
02	CABLE SHIELD	SHD	H		70	H70		
15	HIFI CP-LT-PY-R (H71) . SIG	HCP	HCP.- H	-H71	71	H71	100ohm, 5ma	
16	HIFI CP-LT-PY-R (H71) . RTN	HCP	HCP.- H	-H71	71	H71	100ohm, 5ma	
05	CABLE SHIELD	SHD	H		71	H71		
07	HIFI CP-LT-SY-R (H72) . A	HCS	HCS.- H	-H72	72	72	1000ohm, 0,02ma	
18	HIFI CP-LT-SY-R (H72) . RTN	HCS	HCS.- H	-H72	72	H72	1000ohm, 0,02ma	
08	HIFI CP-LT-SY-R (H72) . B	HCS	HCS.- H	-H72	72	H72	1000ohm, 0,02ma	
19	CABLE SHIELD	SHD	H		72	H72		
14	NC							
04	NC							
06	NC							
17	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

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Connector: 111100 J63

Function: HIFI FPU Thermistors Prime

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
02	HIFI Therm. S02K P (H73) . I	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
12	HIFI Therm. S02K P (H73) . IRTN	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
03	HIFI Therm. S02K P (H73) . V	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
13	HIFI Therm. S02K P (H73) . VRTN	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
01	CABLE SHIELD	SHD	H		73	H73		
04	HIFI Therm. S04K P (H74) . I	HT4	HT4.- H	-H74	74	H74		
15	HIFI Therm. S04K P (H74) . IRTN	HT4	HT4.- H	-H74	74	H74		
05	HIFI Therm. S04K P (H74) . V	HT4	HT4.- H	-H74	74	H74		
16	HIFI Therm. S04K P (H74) . VRTN	HT4	HT4.- H	-H74	74	H74		
14	CABLE SHIELD	SHD	-		74	H74		
06	NC							
17	NC							
07	NC							
18	NC							
08	NC							
19	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

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Connector: 111100 J64

Function: HIFI FPU Thermistors Red.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
07	HIFI Therm. S10K R (H75) . I	HT1	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
17	HIFI Therm. S10K R (H75) . IRTN	HT1	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
08	HIFI Therm. S10K R (H75) . V	HT1	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
18	HIFI Therm. S10K R (H75) . VRTN	HT1	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
06	CABLE SHIELD	SHD	H		75	H75		
02	HIFI Therm. S02K R (H76) . I	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
12	HIFI Therm. S02K R (H76) . IRTN	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
03	HIFI Therm. S02K R (H76) . V	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
13	HIFI Therm. S02K R (H76) . VRTN	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
01	CABLE SHIELD	SHD	-		76	H76		
04	HIFI Therm. S04K R (H77) . I	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
15	HIFI Therm. S04K R (H77) . IRTN	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
05	HIFI Therm. S04K R (H77) . V	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
16	HIFI Therm. S04K R (H77) . VRTN	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
14	CABLE SHIELD	SHD	-		77	H77		
19	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

Connector: 111100 J65 **Function:** HIFI FPU Calibrator Prime
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM15S
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI CS-HR-TS-P (H79) . I	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
09	HIFI CS-HR-TS-P (H79) . IRTN	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
10	HIFI CS-HR-TS-P (H79) . V	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
03	HIFI CS-HR-TS-P (H79) . VRTN	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
02	CABLE SHIELD	SHD	H		79	H79		
04	HIFI CS-HT-P (H80) . SIG	HBT	HBT.- H	-H80	80	H80	200ohm, 3ma	
12	HIFI CS-HT-P (H80) . RTN	HBT	HBT.- H	-H80	80	H80	200ohm, 3ma	
05	CABLE SHIELD	SHD	H		80	H80		
06	HIFI CS-CR-TS-R (H78) . I	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
14	HIFI CS-CR-TS-R (H78) . IRTN	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
15	HIFI CS-CR-TS-R (H78) . V	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
08	HIFI CS-CR-TS-R (H78) . VRTN	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
07	CABLE SHIELD	SHD	H		78	H78		
11	NC							
13	NC							

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Connector: 111100 J66

Function: HIFI FPU Calibrator Red.

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM15S

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI CS-HR-TS-R (H81) . I	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
09	HIFI CS-HR-TS-R (H81) . IRTN	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
10	HIFI CS-HR-TS-R (H81) . V	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
03	HIFI CS-HR-TS-R (H81) . VRTN	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
02	CABLE SHIELD	SHD	H		81	H81		
04	HIFI CS-HT-R (H82) . SIG	HBT	HBT.- H	-H82	82	H82	200ohm, 3ma	
12	HIFI CS-HT-R (H82) . RTN	HBT	HBT.- H	-H82	82	H82	200ohm, 3ma	
05	CABLE SHIELD	SHD	H		82	H82		
11	NC							
13	NC							
06	NC							
14	NC							
07	NC							
15	NC							
08	NC							

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Connector: 111100 J67 **Function:** HIFI FPU Diplexer Hor
Item: HHFPU
Location: 73 / on HIFI FPU **Conn.-Type:** MDM21P
EMC-Category: 2C/SigHa FPU-CVV FeedTh **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
12	HIFI DP3-AC-H (H83) . SIG	HDP	HDP.- H	-H83	83	H83	100ohm, 5ma	
02	HIFI DP3-AC-H (H83) . RTN	HDP	HDP.- H	-H83	83	H83	100ohm, 5ma	
01	CABLE SHIELD	SHD	H		83	H83		
03	HIFI DP4-AC-H (H84) . SIG	HDP	HDP.- H	-H84	84	H84	100ohm, 5ma	
14	HIFI DP4-AC-H (H84) . RTN	HDP	HDP.- H	-H84	84	H84	100ohm, 5ma	
13	CABLE SHIELD	SHD	H		84	H84		
15	HIFI DP5-AC-H (H85) . SIG	HDP	HDP.- H	-H85	85	H85	100ohm, 5ma	
05	HIFI DP5-AC-H (H85) . RTN	HDP	HDP.- H	-H85	85	H85	100ohm, 5ma	
04	CABLE SHIELD	SHD	H		85	H85		
06	HIFI DP6-AC-H (H86) . SIG	HDP	HDP.- H	-H86	86	H86	100ohm, 5ma	
17	HIFI DP6-AC-H (H86) . RTN	HDP	HDP.- H	-H86	86	H86	100ohm, 5ma	
16	CABLE SHIELD	SHD	H		86	H86		
18	HIFI DP7-AC-H (H87) . SIG	HDP	HDP.- H	-H87	87	H87	100ohm, 5ma	
08	HIFI DP7-AC-H (H87) . RTN	HDP	HDP.- H	-H87	87	H87	100ohm, 5ma	
07	CABLE SHIELD	SHD	H		87	H87		
19	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

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Connector: 111100 J68

Function: HIFI FPU Diplexer Ver

Item: HHFPU

Location: 73 / on HIFI FPU

Conn.-Type: MDM21P

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
12	HIFI DP3-AC-V (H88) . SIG	HDP	HDP.- H	-H88	88	H88	100ohm, 5ma	
02	HIFI DP3-AC-V (H88) . RTN	HDP	HDP.- H	-H88	88	H88	100ohm, 5ma	
01	CABLE SHIELD	SHD	H		88	H88		
03	HIFI DP4-AC-V (H89) . SIG	HDP	HDP.- H	-H89	89	H89	100ohm, 5ma	
14	HIFI DP4-AC-V (H89) . RTN	HDP	HDP.- H	-H89	89	H89	100ohm, 5ma	
13	CABLE SHIELD	SHD	H		89	H89		
15	HIFI DP5-AC-V (H90) . SIG	HDP	HDP.- H	-H90	90	H90	100ohm, 5ma	
05	HIFI DP5-AC-V (H90) . RTN	HDP	HDP.- H	-H90	90	H90	100ohm, 5ma	
04	CABLE SHIELD	SHD	H		90	H90		
06	HIFI DP6-AC-V (H91) . SIG	HDP	HDP.- H	-H91	91	H91	100ohm, 5ma	
17	HIFI DP6-AC-V (H91) . RTN	HDP	HDP.- H	-H91	91	H91	100ohm, 5ma	
16	CABLE SHIELD	SHD	H		91	H91		
18	HIFI DP7-AC-V (H92) . SIG	HDP	HDP.- H	-H92	92	H92	100ohm, 5ma	
08	HIFI DP7-AC-V (H92) . RTN	HDP	HDP.- H	-H92	92	H92	100ohm, 5ma	
07	CABLE SHIELD	SHD	H		92	H92		
19	NC							
09	NC							
20	NC							
10	NC							
21	NC							
11	NC							

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Connector: 112300 J01

Function: HIFI FCU ????

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-25P-NMB-FO

EMC-Category: 2W/SigHa on SVM Panels

Backshell: N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
01	NC						
02	NC						
03	NC						
04	NC						
05	NC						
06	NC						
07	NC						
08	NC						
09	NC						
10	NC						
11	NC						
12	NC						
13	NC						
14	NC						
15	NC						
16	NC						
17	NC						
18	NC						
19	NC						
20	NC						
21	NC						
22	NC						
23	NC						
24	NC						
25	NC						

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J02

Function: HIFI FCU ????

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DAMA-15P-NMB-FO

EMC-Category: 2W/SigHa on SVM Panels

Backshell: N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
01	NC						
02	NC						
03	NC						
04	NC						
05	NC						
06	NC						
07	NC						
08	NC						
09	NC						
10	NC						
11	NC						
12	NC						
13	NC						
14	NC						
15	NC						

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Connector: 112300 J04

Function: HIFI FCU ????

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DAMA-15P-NMB-FO

EMC-Category: 2W/SigHa on SVM Panels

Backshell: N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						
-	NC						

Connector: 112300 J11

Function: HIFI FCU Mixer bias Hor.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44P-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		1	H01	shield	
32	HIFI MX1-H (H01) . B	HMX	HMX.- H	-H01	1	H01	1000ohm, 2ma	
03	HIFI MX1-H (H01) . BRTN	HMX	HMX.- H	-H01	1	H01	1000ohm, 2ma	
02	HIFI MX1-H (H01) . VM	HMX	HMX.- H	-H01	1	H01	1000ohm, 0,001ma	
18	HIFI MX1-H (H01) . VMRTN	HMX	HMX.- H	-H01	1	H01	1000ohm, 0,001ma	
33	HIFI MX1-H (H01) . IM	HMX	HMX.- H	-H01	1	H01	1000ohm, 0,001ma	
17	CABLE SHIELD . SHD	SHD	H		2	H02	shield	
19	HIFI MX2-H (H02) . B	HMX	HMX.- H	-H02	2	H02	1000ohm, 2ma	
35	HIFI MX2-H (H02) . BRTN	HMX	HMX.- H	-H02	2	H02	1000ohm, 2ma	
34	HIFI MX2-H (H02) . VM	HMX	HMX.- H	-H02	2	H02	1000ohm, 0,001ma	
04	HIFI MX2-H (H02) . VMRTN	HMX	HMX.- H	-H02	2	H02	1000ohm, 0,001ma	
20	HIFI MX2-H (H02) . IM	HMX	HMX.- H	-H02	2	H02	1000ohm, 0,001ma	
31	CABLE SHIELD . SHD	SHD	H		3	H03	shield	
05	HIFI MX3-H (H03) . B	HMX	HMX.- H	-H03	3	H03	1000ohm, 2ma	
22	HIFI MX3-H (H03) . BRTN	HMX	HMX.- H	-H03	3	H03	1000ohm, 2ma	
21	HIFI MX3-H (H03) . VM	HMX	HMX.- H	-H03	3	H03	1000ohm, 0,001ma	
36	HIFI MX3-H (H03) . VMRTN	HMX	HMX.- H	-H03	3	H03	1000ohm, 0,001ma	
06	HIFI MX3-H (H03) . IM	HMX	HMX.- H	-H03	3	H03	1000ohm, 0,001ma	
14	CABLE SHIELD . SHD	SHD	H		4	H04	shield	
37	HIFI MX4-H (H04) . B	HMX	HMX.- H	-H04	4	H04	1000ohm, 2ma	
08	HIFI MX4-H (H04) . BRTN	HMX	HMX.- H	-H04	4	H04	1000ohm, 2ma	
07	HIFI MX4-H (H04) . VM	HMX	HMX.- H	-H04	4	H04	1000ohm, 0,001ma	
23	HIFI MX4-H (H04) . VMRTN	HMX	HMX.- H	-H04	4	H04	1000ohm, 0,001ma	
38	HIFI MX4-H (H04) . IM	HMX	HMX.- H	-H04	4	H04	1000ohm, 0,001ma	
44	CABLE SHIELD . SHD	SHD	H		5	H05	shield	
24	HIFI MX5-H (H05) . B	HMX	HMX.- H	-H05	5	H05	1000ohm, 2ma	
40	HIFI MX5-H (H05) . BRTN	HMX	HMX.- H	-H05	5	H05	1000ohm, 2ma	
39	HIFI MX5-H (H05) . VM	HMX	HMX.- H	-H05	5	H05	1000ohm, 0,001ma	
09	HIFI MX5-H (H05) . VMRTN	HMX	HMX.- H	-H05	5	H05	1000ohm, 0,001ma	
25	HIFI MX5-H (H05) . IM	HMX	HMX.- H	-H05	5	H05	1000ohm, 0,001ma	
29	CABLE SHIELD . SHD	SHD	H		6	H06	shield	
10	HIFI MX6-H (H06) . B	HMX	HMX.- H	-H06	6	H06	1000ohm, 2ma	
27	HIFI MX6-H (H06) . BRTN	HMX	HMX.- H	-H06	6	H06	1000ohm, 2ma	
26	HIFI MX6-H (H06) . VM	HMX	HMX.- H	-H06	6	H06	1000ohm, 0,001ma	
41	HIFI MX6-H (H06) . VMRTN	HMX	HMX.- H	-H06	6	H06	1000ohm, 0,001ma	
11	HIFI MX6-H (H06) . IM	HMX	HMX.- H	-H06	6	H06	1000ohm, 0,001ma	
30	CABLE SHIELD . SHD	SHD	H		7	H07	shield	
42	HIFI MX7-H (H07) . B	HMX	HMX.- H	-H07	7	H07	1000ohm, 2ma	
13	HIFI MX7-H (H07) . BRTN	HMX	HMX.- H	-H07	7	H07	1000ohm, 2ma	
12	HIFI MX7-H (H07) . VM	HMX	HMX.- H	-H07	7	H07	1000ohm, 0,001ma	
28	HIFI MX7-H (H07) . VMRTN	HMX	HMX.- H	-H07	7	H07	1000ohm, 0,001ma	
43	HIFI MX7-H (H07) . IM	HMX	HMX.- H	-H07	7	H07	1000ohm, 0,001ma	
15	NC							
16	NC							

Connector: 112300 J12 **Function:** HIFI FCU Magnets & Heaters Hor.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-37P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
03	HIFI MGHT1-H (H15) . HT	HMH	HMH.- H	-H15	15	H15	100ohm, 10ma	
05	HIFI MGHT1-H (H15) . HTRTN	HMH	HMH.- H	-H15	15	H15	100ohm, 5ma	
12	HIFI MGHT1-H (H15) . MG	HMH	HMH.- H	-H15	15	H15	100ohm, 15ma	
13	HIFI MGHT1-H (H15) . MGRTN	HMH	HMH.- H	-H15	15	H15	100ohm, 7,5ma	
02	CABLE SHIELD	SHD	H		15	H15	con. to 11,30,18 via junc.	
04	HIFI MGHT2 -H (H16) . HT	HMH	HMH.- H	-H16	16	H16	100ohm, 10ma	
05	HIFI MGHT2 -H (H16) . HTRTN	HMH	HMH.- H	-H16	16	H16		
14	HIFI MGHT2 -H (H16) . MG	HMH	HMH.- H	-H16	16	H16	100ohm, 15ma	
13	HIFI MGHT2 -H (H16) . MGRTN	HMH	HMH.- H	-H16	16	H16	100ohm, 7,5ma	
02	CABLE SHIELD	SHD	H		16	H16		
06	HIFI MGHT3 -H (H17) . HT	HMH	HMH.- H	-H17	17	H17	100ohm, 10ma	
05	HIFI MGHT3 -H (H17) . HTRTN	HMH	HMH.- H	-H17	17	H17		
15	HIFI MGHT3 -H (H17) . MG	HMH	HMH.- H	-H17	17	H17	100ohm, 15ma	
13	HIFI MGHT3 -H (H17) . MGRTN	HMH	HMH.- H	-H17	17	H17		
02	CABLE SHIELD	SHD	H		17	H17		
07	HIFI MGHT4 -H (H18) . HT	HMH	HMH.- H	-H18	18	H18	100ohm, 10ma	
27	HIFI MGHT4 -H (H18) . HTRTN	HMH	HMH.- H	-H18	18	H18		
34	HIFI MGHT4 -H (H18) . MG	HMH	HMH.- H	-H18	18	H18	100ohm, 15ma	
35	HIFI MGHT4 -H (H18) . MGRTN	HMH	HMH.- H	-H18	18	H18		
11	CABLE SHIELD	SHD	H		18	H18		
08	HIFI MGHT5 -H (H19) . HT	HMH	HMH.- H	-H19	19	H19	100ohm,10ma	
27	HIFI MGHT5 -H (H19) . HTRTN	HMH	HMH.- H	-H19	19	H19		
17	HIFI MGHT5 -H (H19) . MG	HMH	HMH.- H	-H19	19	H19	100ohm, 15ma	
35	HIFI MGHT5 -H (H19) . MGRTN	HMH	HMH.- H	-H19	19	H19		
11	CABLE SHIELD	SHD	H		19	H19	con. to 02,30,18 via junc.	
01	NC							
20	NC							
21	NC							
22	NC							
23	NC							
24	NC							
25	NC							
26	NC							
09	NC							
28	NC							
10	NC							
29	NC							
31	NC							
32	NC							
33	NC							
36	NC							
37	NC							
19	NC							
CH	Case =Overallshield							

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Connector: 112300 J14 **Function:** HIFI FCU 1. IF Ampl. Hor.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DBMA-44S-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
17	HIFI FIF1 D -H (H25) . D1	H1D	H1D.- H	-H25	25	H25	25ohm, 10ma	
23	HIFI FIF1 D -H (H25) . DRTN	H1D	H1D.- H	-H25	25	H25	25ohm, 10ma, splice 7:1	
38	HIFI FIF1 D -H (H25) . D2	H1D	H1D.- H	-H25	25	H25	25ohm, 10ma	
03	HIFI FIF1 D -H (H25) . TST	H1D	H1D.- H	-H25	25	H25	25ohm, 1ma	
-	CABLE SHIELD	SHD	H		25	H25	splice 7:1	
06	HIFI FIF1 G -H (H26) . G1	H1G	H1G.- H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF1 G -H (H26) . GRTN	H1G	H1G.- H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF1 G -H (H26) . G2	H1G	H1G.- H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		26	H26	splice 7:1	
02	HIFI FIF2 D -H (H27) . D1	H1D	H1D.1 H	-H27	27	H27	25ohm, 10ma	
23	HIFI FIF2 D -H (H27) . DRTN	H1D	H1D.1 H	-H27	27	H27	25ohm, 10ma, splice 7:1	
24	HIFI FIF2 D -H (H27) . D2		H1D.1 H	-H27	27	H27	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		27	H27	splice 7:1	
06	HIFI FIF2 G -H (H28) . G1	H1G	H1G.- H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF2 G -H (H28) . GRTN	H1G	H1G.- H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF2 G -H (H28) . G2	H1G	H1G.- H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		28	H28	splice 7:1	
33	HIFI FIF3 D -H (H29) . D1	H1D	H1D.1 H	-H29	29	H29	25ohm, 10ma	
23	HIFI FIF3 D -H (H29) . DRTN	H1D	H1D.1 H	-H29	29	H29	25ohm, 10ma, splice 7:1	
09	HIFI FIF3 D -H (H29) . D2	H1D	H1D.1 H	-H29	29	H29	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		29	H29	splice 7:1	
06	HIFI FIF3 G -H (H30) . G1	H1G	H1G.- H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF3 G -H (H30) . GRTN	H1G	H1G.- H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF3 G -H (H30) . G2	H1G	H1G.- H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		30	H30	splice 7:1	
19	HIFI FIF4 D -H (H31) . D1	H1D	H1D.- H	-H31	31	H31	25ohm, 10ma	
23	HIFI FIF4 D -H (H31) . DRTN	H1D	H1D.- H	-H31	31	H31	25ohm, 10ma, splice 7:1	
40	HIFI FIF4 D -H (H31) . D2	H1D	H1D.- H	-H31	31	H31	25ohm, 10ma	
10	HIFI FIF4 D -H (H31) . TST	H1D	H1D.- H	-H31	31	H31	25ohm, 1ma	
-	CABLE SHIELD	SHD	H		31	H31	splice 7:1	
06	HIFI FIF4 G -H (H32) . G1	H1G	H1G.- H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF4 G -H (H32) . GRTN	H1G	H1G.- H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF4 G -H (H32) . G2	H1G	H1G.- H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		32	H32	splice 7:1	
04	HIFI FIF5 D -H (H33) . D1	H1D	H1D.1 H	-H33	33	H33	25ohm, 10ma	
44	HIFI FIF5 D -H (H33) . DRTN	H1D	H1D.1 H	-H33	33	H33	25ohm, 10ma, splice 7:1	
26	HIFI FIF5 D -H (H33) . D2	H1D	H1D.1 H	-H33	33	H33	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		33	H33	splice 7:1	
22	HIFI FIF5 G -H (H34) . G1	H1G	H1G.- H	-H34	34	H34	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF5 G -H (H34) . GRTN	H1G	H1G.- H	-H34	34	H34	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF5 G -H (H34) . G2	H1G	H1G.- H	-H34	34	H34	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		34	H34	splice 7:1	
35	HIFI FIF6 D -H (H35) . D1	H1D	H1D.1 H	-H35	35	H35	25ohm, 10ma	
44	HIFI FIF6 D -H (H35) . DRTN	H1D	H1D.1 H	-H35	35	H35	25ohm, 10ma, splice 7:1	
11	HIFI FIF6 D -H (H35) . D2	H1D	H1D.1 H	-H35	35	H35	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		35	H35	splice 7:1	
22	HIFI FIF6 G -H (H36) . G1	H1G	H1G.- H	-H36	36	H36	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF6 G -H (H36) . GRTN	H1G	H1G.- H	-H36	36	H36	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF6 G -H (H36) . G2	H1G	H1G.- H	-H36	36	H36	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		36	H36	splice 7:1	
21	HIFI FIF7 D -H (H37) . D1	H1D	H1D.1 H	-H37	37	H37	25ohm, 10ma	
44	HIFI FIF7 D -H (H37) . DRTN	H1D	H1D.1 H	-H37	37	H37	25ohm, 10ma, splice 7:1	
42	HIFI FIF7 D -H (H37) . D2	H1D	H1D.1 H	-H37	37	H37	25ohm, 10ma	

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Connector: 112300 J14

Function: HIFI FCU 1. IF Ampl. Hor.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
-	CABLE SHIELD	SHD	H		37	H37	splice 7:1	
22	HIFI FIF7 G -H (H38) . G1	H1G	H1G.- H	-H38	38	H38	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF7 G -H (H38) . GRTN	H1G	H1G.- H	-H38	38	H38	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF7 G -H (H38) . G2	H1G	H1G.- H	-H38	38	H38	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		38	H38		
16	NC							
32	NC							
18	NC							
34	NC							
20	NC							
05	NC							
36	NC							
08	NC							
39	NC							
25	NC							
41	NC							
27	NC							
12	NC							
15	NC							
CH	Overall Shd							

Connector: 112300 J15

Function: HIFI FCU 2. IF Ampl. Hor.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DCMA-62S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI SIF D1 -H (H53) . SIF1	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
44	HIFI SIF D1 -H (H53) . SIF2	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
24	HIFI SIF D1 -H (H53) . SIF3	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
03	HIFI SIF D1 -H (H53) . SIF4	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
46	HIFI SIF D1 -H (H53) . SIF5	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
26	HIFI SIF D1 -H (H53) . SIF6	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
05	HIFI SIF D1 -H (H53) . SIF7	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
23	HIFI SIF D1 -H (H53) . TST	H2D	H2D.- H	-H53	53	H53	25ohm, 1ma	
07	HIFI SIF D1 -H (H53) . RTN	H2D	H2D.- H	-H53	53	H53	25ohm, 10ma	
43	CABLE SHIELD	SHD	H		53	H53		
06	HIFI SIF G1 -H (H54) . GA	H2G	H2G.- H	-H54	54	H54	1000ohm, 0,001ma	
28	HIFI SIF G1 -H (H54) . RTNA	H2G	H2G.- H	-H54	54	H54	1000ohm, 0,001ma	
48	HIFI SIF G1 -H (H54) . GB	H2G	H2G.- H	-H54	54	H54	1000ohm, 0,001ma	
49	HIFI SIF G1 -H (H54) . RTNB	H2G	H2G.- H	-H54	54	H54	1000ohm, 0,001ma	
22	CABLE SHIELD	SHD	-		54	H54		
50	HIFI SIF D2 -H (H55) . SIF1	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
30	HIFI SIF D2 -H (H55) . SIF2	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
09	HIFI SIF D2 -H (H55) . SIF3	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
52	HIFI SIF D2 -H (H55) . SIF4	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
32	HIFI SIF D2 -H (H55) . SIF5	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
11	HIFI SIF D2 -H (H55) . SIF6	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
54	HIFI SIF D2 -H (H55) . SIF7	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
08	HIFI SIF D2 -H (H55) . TST	H2D	H2D.- H	-H55	55	H55	25ohm, 1ma	
56	HIFI SIF D2 -H (H55) . RTN	H2D	H2D.- H	-H55	55	H55	25ohm, 10ma	
29	CABLE SHIELD	SHD	H		55	H55		
34	HIFI SIF G2 -H (H56) . GA	H2G	H2G.- H	-H56	56	H56	1000ohm, 0,001ma	
13	HIFI SIF G2 -H (H56) . RTNA	H2G	H2G.- H	-H56	56	H56	1000ohm, 0,001ma	
55	HIFI SIF G2 -H (H56) . GB	H2G	H2G.- H	-H56	56	H56	1000ohm, 0,001ma	
35	HIFI SIF G2 -H (H56) . RTNB	H2G	H2G.- H	-H56	56	H56	1000ohm, 0,001ma	
12	CABLE SHIELD	SHD	H		56	H56		
36	HIFI SIF D3 -H (H57) . SIF1	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
15	HIFI SIF D3 -H (H57) . SIF2	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
58	HIFI SIF D3 -H (H57) . SIF3	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
38	HIFI SIF D3 -H (H57) . SIF4	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
17	HIFI SIF D3 -H (H57) . SIF5	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
60	HIFI SIF D3 -H (H57) . SIF6	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
40	HIFI SIF D3 -H (H57) . SIF7	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
57	HIFI SIF D3 -H (H57) . TST	H2D	H2D.- H	-H57	57	H57	25ohm, 1ma	
42	HIFI SIF D3 -H (H57) . RTN	H2D	H2D.- H	-H57	57	H57	25ohm, 10ma	
14	CABLE SHIELD	SHD	H		57	H57		
19	HIFI SIF G3 -H (H58) . GA	H2G	H2G.- H	-H58	58	H58	1000ohm, 0,001ma	
20	HIFI SIF G3 -H (H58) . RTNA	H2G	H2G.- H	-H58	58	H58	1000ohm, 0,001ma	
41	HIFI SIF G3 -H (H58) . GB	H2G	H2G.- H	-H58	58	H58	1000ohm, 0,001ma	
62	HIFI SIF G3 -H (H58) . RTNB	H2G	H2G.- H	-H58	58	H58	1000ohm, 0,001ma	
21	CABLE SHIELD	SHD	H		58	H58		
02	NC							
45	NC							
25	NC							
04	NC							
47	NC							
27	NC							
51	NC							
31	NC							

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Connector: 112300 J15

Function: HIFI FCU 2. IF Ampl. Hor.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DCMA-62S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
10	NC						
53	NC						
33	NC						
37	NC						
16	NC						
59	NC						
39	NC						
18	NC						
61	NC						
CH	Overall Shd						

Astrium GmbH	Pin Allocation List	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J16 **Function:** HIFI FCU Chop. Cal. Therm. Main.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-62P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
23	HIFI CP-AC-P (H67) . A	HCA	HCA.- H	-H67	67	H67	100 ohm, 10ma	
02	HIFI CP-AC-P (H67) . ARTN	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
44	HIFI CP-AC-P (H67) . B	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
24	HIFI CP-AC-P (H67) . BRTN	HCA	HCA.- H	-H67	67	H67	100ohm, 10ma	
01	CABLE SHIELD	SHD	H		67	H67		
25	HIFI CP-LT-SY-P (H69) . B	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
04	HIFI CP-LT-SY-P (H69) . RTN	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
46	HIFI CP-LT-SY-P (H69) . A	HCS	HCS.- H	-H69	69	H69	1000ohm, 0,02ma	
26	CABLE SHIELD	SHD	H		69	H69		
05	HIFI CP-LT-PY-P(H68) . SIG	HCP	HCP.- H	-H68	68	H68	100ohm, 5ma	
06	HIFI CP-LT-PY-P(H68) . RTN	HCP	HCP.- H	-H68	68	H68	100ohm, 5ma	
28	CABLE SHIELD	SHD	H		68	H68		
07	HIFI CS-HR-TS-P (H79) . I	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
08	HIFI CS-HR-TS-P (H79) . IRTN	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
29	HIFI CS-HR-TS-P (H79) . V	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
50	HIFI CS-HR-TS-P (H79) . VRTN	HBH	HBH.- H	-H79	79	H79	1000ohm, 0,01ma	
49	CABLE SHIELD	SHD	H		79	H79		
30	HIFI CS-CR-TS-P (H78) . I	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
31	HIFI CS-CR-TS-P (H78) . IRTN	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
51	HIFI CS-CR-TS-P (H78) . V	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
09	HIFI CS-CR-TS-P (H78) . VRTN	HBC	HBC.- H	-H78	78	H78	1000ohm, 0,01ma	
11	CABLE SHIELD	SHD	H		78	H78		
52	HIFI Therm. S02K P (H73) . I	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
53	HIFI Therm. S02K P (H73) . IRTN	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
10	HIFI Therm. S02K P (H73) . V	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
32	HIFI Therm. S02K P (H73) . VRTN	HT2	HT2.- H	-H73	73	H73	1000ohm, 0,01ma	
33	CABLE SHIELD	SHD	H		73	H73		
54	HIFI CS-HT-P (H80) . SIG	HBT	HBT.- H	-H80	80	H80	200ohm, 3ma	
12	HIFI CS-HT-P (H80) . RTN	HBT	HBT.- H	-H80	80	H80	200ohm, 3ma	
34	CABLE SHIELD	SHD	H		80	H80		
13	HIFI Therm. S04K P (H74) . V	HT4	HT4.- H	-H74	74	H74	1000ohm, 0,01ma	
35	HIFI Therm. S04K P (H74) . VRTN	HT4	HT4.- H	-H74	74	H74	1000ohm, 0,01ma	
14	HIFI Therm. S04K P (H74) . I	HT4	HT4.- H	-H74	74	H74	1000ohm, 0,01ma	
56	HIFI Therm. S04K P (H74) . IRTN	HT4	HT4.- H	-H74	74	H74	1000ohm, 0,01ma	
55	CABLE SHIELD	SHD	H		74	H74		
57	HIFI 2. IF Amp-TS-P (H65) . I	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
37	HIFI 2. IF Amp-TS-P (H65) . IRTN	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
15	HIFI 2. IF Amp-TS-P (H65) . V	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
58	HIFI 2. IF Amp-TS-P (H65) . VRTN	H2S	H2S.- H	-H65	65	H65	1000ohm, 0,01ma	
36	CABLE SHIELD	SHD	H		65	H65		
22	NC							
43	NC							
03	NC							
45	NC							
47	NC							
27	NC							
48	NC							
16	NC							
38	NC							
17	NC							
59	NC							
39	NC							
18	NC							

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Connector: 112300 J16 **Function:** HIFI FCU Chop. Cal. Therm. Main.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-62P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
60	NC						
40	NC						
19	NC						
61	NC						
41	NC						
20	NC						
62	NC						
42	NC						
21	NC						

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Connector: 112300 J17 **Function:** HIFI FCU Diplexer Hor.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DAMA-15S-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
02	HIFI DP3-AC-H (H83) . SIG	HDP	HDP.- H	-H83	83	H83	100ohm, 5ma	
10	HIFI DP3-AC-H (H83) . ACRTN	HDP	HDP.- H	-H83	83	H83	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		83	H83	con with 15 via junc	
03	HIFI DP4-AC-H (H84) . SIG	HDP	HDP.- H	-H84	84	H84	100ohm, 5ma	
10	HIFI DP4-AC-H (H84) . ACRTN	HDP	HDP.- H	-H84	84	H84	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		84	H84	con with 15 via junc	
04	HIFI DP5-AC-H (H85) . SIG	HDP	HDP.- H	-H85	85	H85	100ohm, 5ma	
10	HIFI DP5-AC-H (H85) . ACRTN	HDP	HDP.- H	-H85	85	H85	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		85	H85	con with 15 via junc	
05	HIFI DP6-AC-H (H86) . SIG	HDP	HDP.- H	-H86	86	H86	100ohm, 5ma	
06	HIFI DP6-AC-H (H86) . ACRTN	HDP	HDP.- H	-H86	86	H86	100ohm, 2,5ma	
15	CABLE SHIELD	SHD	H		86	H86	con with 01 via junc	
07	HIFI DP7-AC-H (H87) . SIG	HDP	HDP.- H	-H87	87	H87	100ohm, 5ma	
06	HIFI DP7-AC-H (H87) . ACRTN	HDP	HDP.- H	-H87	87	H87	100ohm, 2,5ma	
15	CABLE SHIELD	SHD	H		87	H87	con with 01 via junc	
09	NC							
11	NC							
12	NC							
13	NC							
14	NC							
08	NC							
CH	Con. Case = Overall Shd							

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Connector: 112300 J21

Function: HIFI FCU Mixer bias Ver.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44P-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	CABLE SHIELD . SHD	SHD	H		8	H08	shield	
32	HIFI MX1-V (H08) . B	HMX	HMX.- H	-H08	8	H08	1000ohm, 2ma	
03	HIFI MX1-V (H08) . BRTN	HMX	HMX.- H	-H08	8	H08	1000ohm, 2ma	
02	HIFI MX1-V (H08) . VM	HMX	HMX.- H	-H08	8	H08	1000ohm, 0,001ma	
18	HIFI MX1-V (H08) . VMRTN	HMX	HMX.- H	-H08	8	H08	1000ohm, 0,001ma	
33	HIFI MX1-V (H08) . IM	HMX	HMX.- H	-H08	8	H08	1000ohm, 0,001ma	
17	CABLE SHIELD . SHD	SHD	H		9	H09	shield	
19	HIFI MX2-V (H09) . B	HMX	HMX.- H	-H09	9	H09	1000ohm, 2ma	
35	HIFI MX2-V (H09) . BRTN	HMX	HMX.- H	-H09	9	H02	1000ohm, 2ma	
34	HIFI MX2-V (H09) . VM	HMX	HMX.- H	-H09	9	H02	1000ohm, 0,001ma	
04	HIFI MX2-V (H09) . VMRTN	HMX	HMX.- H	-H09	9	H02	1000ohm, 0,001ma	
20	HIFI MX2-V (H09) . IM	HMX	HMX.- H	-H09	9	H02	1000ohm, 0,001ma	
31	CABLE SHIELD . SHD	SHD	H		10	H10	shield	
05	HIFI MX3-V (H10) . B	HMX	HMX.- H	-H10	10	H10	1000ohm, 2ma	
22	HIFI MX3-V (H10) . BRTN	HMX	HMX.- H	-H10	10	H10	1000ohm, 2ma	
21	HIFI MX3-V (H10) . VM	HMX	HMX.- H	-H10	10	H10	1000ohm, 0,001ma	
36	HIFI MX3-V (H10) . VMRTN	HMX	HMX.- H	-H10	10	H10	1000ohm, 0,001ma	
06	HIFI MX3-V (H10) . IM	HMX	HMX.- H	-H10	10	H10	1000ohm, 0,001ma	
14	CABLE SHIELD . SHD	SHD	H		11	H11	shield	
37	HIFI MX4-V (H11) . B	HMX	HMX.- H	-H11	11	H11	1000ohm, 2ma	
08	HIFI MX4-V (H11) . BRTN	HMX	HMX.- H	-H11	11	H11	1000ohm, 2ma	
07	HIFI MX4-V (H11) . VM	HMX	HMX.- H	-H11	11	H11	1000ohm, 0,001ma	
23	HIFI MX4-V (H11) . VMRTN	HMX	HMX.- H	-H11	11	H11	1000ohm, 0,001ma	
38	HIFI MX4-V (H11) . IM	HMX	HMX.- H	-H11	11	H11	1000ohm, 0,001ma	
44	CABLE SHIELD . SHD	SHD	H		12	H12	shield	
24	HIFI MX5-V (H12) . B	HMX	HMX.- H	-H12	12	H12	1000ohm, 2ma	
40	HIFI MX5-V (H12) . BRTN	HMX	HMX.- H	-H12	12	H12	1000ohm, 2ma	
39	HIFI MX5-V (H12) . VM	HMX	HMX.- H	-H12	12	H12	1000ohm, 0,001ma	
09	HIFI MX5-V (H12) . VMRTN	HMX	HMX.- H	-H12	12	H12	1000ohm, 0,001ma	
25	HIFI MX5-V (H12) . IM	HMX	HMX.- H	-H12	12	H12	1000ohm, 0,001ma	
29	CABLE SHIELD . SHD	SHD	H		13	H13	shield	
10	HIFI MX6-V (H13) . B	HMX	HMX.- H	-H13	13	H13	1000ohm, 2ma	
27	HIFI MX6-V (H13) . BRTN	HMX	HMX.- H	-H13	13	H13	1000ohm, 2ma	
26	HIFI MX6-V (H13) . VM	HMX	HMX.- H	-H13	13	H13	1000ohm, 0,001ma	
41	HIFI MX6-V (H13) . VMRTN	HMX	HMX.- H	-H13	13	H13	1000ohm, 0,001ma	
11	HIFI MX6-V (H13) . IM	HMX	HMX.- H	-H13	13	H13	1000ohm, 0,001ma	
30	CABLE SHIELD . SHD	SHD	H		14	H14	shield	
42	HIFI MX7-V (H14) . B	HMX	HMX.- H	-H14	14	H14	1000ohm, 2ma	
13	HIFI MX7-V (H14) . BRTN	HMX	HMX.- H	-H14	14	H14	1000ohm, 2ma	
12	HIFI MX7-V (H14) . VM	HMX	HMX.- H	-H14	14	H14	1000ohm, 0,001ma	
28	HIFI MX7-V (H14) . VMRTN	HMX	HMX.- H	-H14	14	H14	1000ohm, 0,001ma	
43	HIFI MX7-V (H14) . IM	HMX	HMX.- H	-H14	14	H14	1000ohm, 0,001ma	
15	NC							
16	NC							

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Connector: 112300 J22 **Function:** HIFI FCU Magnets & Heaters Ver.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-37P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
03	HIFI MGHT1 -V (H20) . HT	HMH	HMH.- H	-H20	20	H20	100ohm, 10ma	
05	HIFI MGHT1 -V (H20) . HTRTN	HMH	HMH.- H	-H20	20	H20	100ohm, 5ma	
12	HIFI MGHT1 -V (H20) . MG	HMH	HMH.- H	-H20	20	H20	100ohm, 15ma	
13	HIFI MGHT1 -V (H20) . MGRTN	HMH	HMH.- H	-H20	20	H20	100ohm, 7,5ma	
02	CABLE SHIELD	SHD	H		20	H20	con. to 11,30,18 via junc.	
04	HIFI MGHT2 -V (H21) . HT	HMH	HMH.- H	-H21	21	H21	100ohm, 10ma	
05	HIFI MGHT2 -V (H21) . HTRTN	HMH	HMH.- H	-H21	21	H21		
14	HIFI MGHT2 -V (H21) . MG	HMH	HMH.- H	-H21	21	H21	100ohm, 15ma	
13	HIFI MGHT2 -V (H21) . MGRTN	HMH	HMH.- H	-H21	21	H21	100ohm, 7,5ma	
02	CABLE SHIELD	SHD	H		21	H21		
06	HIFI MGHT3 -V (H22) . HT	HMH	HMH.- H	-H22	22	H22	100ohm, 10ma	
05	HIFI MGHT3 -V (H22) . HTRTN	HMH	HMH.- H	-H22	22	H22		
15	HIFI MGHT3 -V (H22) . MG	HMH	HMH.- H	-H22	22	H22	100ohm, 15ma	
13	HIFI MGHT3 -V (H22) . MGRTN	HMH	HMH.- H	-H22	22	H22		
02	CABLE SHIELD	SHD	H		22	H22		
07	HIFI MGHT4 -V (H23) . HT	HMH	HMH.- H	-H23	23	H23	100ohm, 10ma	
27	HIFI MGHT4 -V (H23) . HTRTN	HMH	HMH.- H	-H23	23	H23		
34	HIFI MGHT4 -V (H23) . MG	HMH	HMH.- H	-H23	23	H23	100ohm, 15ma	
35	HIFI MGHT4 -V (H23) . MGRTN	HMH	HMH.- H	-H23	23	H23		
11	CABLE SHIELD	SHD	H		23	H23		
08	HIFI MGHT5 -V (H24) . HT	HMH	HMH.- H	-H24	24	H24	100ohm,10ma	
27	HIFI MGHT5 -V (H24) . HTRTN	HMH	HMH.- H	-H24	24	H24		
17	HIFI MGHT5 -V (H24) . MG	HMH	HMH.- H	-H24	24	H24	100ohm, 15ma	
35	HIFI MGHT5 -V (H24) . MGRTN	HMH	HMH.- H	-H24	24	H24		
11	CABLE SHIELD	SHD	H		24	H24	con. to 02,30,18 via junct.	
01	NC							
20	NC							
21	NC							
22	NC							
23	NC							
24	NC							
25	NC							
26	NC							
09	NC							
28	NC							
10	NC							
29	NC							
31	NC							
32	NC							
33	NC							
36	NC							
37	NC							
19	NC							
CH	Case =Overallshield							

Connector: 112300 J24

Function: HIFI FCU 1. IF Ampl. Ver.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
17	HIFI FIF1 D -V (H39) . D1	H1D	H1D.- H	-H39	39	H39	25ohm, 10ma	
23	HIFI FIF1 D -V (H39) . DRTN	H1D	H1D.- H	-H39	39	H39	25ohm, 10ma, splice 7:1	
38	HIFI FIF1 D -V (H39) . D2	H1D	H1D.- H	-H39	39	H39	25ohm, 10ma	
03	HIFI FIF1 D -V (H39) . TST	H1D	H1D.- H	-H39	39	H39	25ohm, 1ma	
-	CABLE SHIELD	SHD	H		39	H39	splice 7:1	
06	HIFI FIF1 G -V (H40) . G1	H1G	H1G.- H	-H40	40	H40	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF1 G -V (H40) . GRTN	H1G	H1G.- H	-H40	40	H40	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF1 G -V (H40) . G2	H1G	H1G.- H	-H40	40	H40	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		40	H40	splice 7:1	
02	HIFI FIF2 D -V (H41) . D1	H1D	H1D.1 H	-H41	41	H41	25ohm, 10ma	
23	HIFI FIF2 D -V (H41) . DRTN	H1D	H1D.1 H	-H41	41	H41	25ohm, 10ma, splice 7:1	
24	HIFI FIF2 D -V (H41) . D2		H1D.1 H	-H41	41	H41	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		41	H41	splice 7:1	
06	HIFI FIF2 G -V (H42) . G1	H1G	H1G.- H	-H42	42	H42	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF2 G -V (H42) . GRTN	H1G	H1G.- H	-H42	42	H42	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF2 G -V (H42) . G2	H1G	H1G.- H	-H42	42	H42	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		42	H42	splice 7:1	
33	HIFI FIF3 D -V (H43) . D1	H1D	H1D.1 H	-H43	43	H29	25ohm, 10ma	
23	HIFI FIF3 D -V (H43) . DRTN	H1D	H1D.1 H	-H43	43	H43	25ohm, 10ma, splice 7:1	
09	HIFI FIF3 D -V (H43) . D2	H1D	H1D.1 H	-H43	43	H43	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		43	H43	splice 7:1	
06	HIFI FIF3 G -V (H44) . G1	H1G	H1G.- H	-H44	44	H44	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF3 G -V (H44) . GRTN	H1G	H1G.- H	-H44	44	H44	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF3 G -V (H44) . G2	H1G	H1G.- H	-H44	44	H44	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		44	H44	splice 7:1	
19	HIFI FIF4 D -V (H45) . D1	H1D	H1D.- H	-H45	45	H45	25ohm, 10ma	
23	HIFI FIF4 D -V (H45) . DRTN	H1D	H1D.- H	-H45	45	H45	25ohm, 10ma, splice 7:1	
40	HIFI FIF4 D -V (H45) . D2	H1D	H1D.- H	-H45	45	H45	25ohm, 10ma	
10	HIFI FIF4 D -V (H45) . TST	H1D	H1D.- H	-H45	45	H45	25ohm, 1ma	
-	CABLE SHIELD	SHD	H		45	H45	splice 7:1	
06	HIFI FIF4 G -V (H46) . G1	H1G	H1G.- H	-H46	46	H46	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF4 G -V (H46) . GRTN	H1G	H1G.- H	-H46	46	H46	1000ohm, 0,001ma splice 7:1	
28	HIFI FIF4 G -V (H46) . G2	H1G	H1G.- H	-H46	46	H46	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		46	H46	splice 7:1	
04	HIFI FIF5 D -V (H47) . D1	H1D	H1D.1 H	-H47	47	H47	25ohm, 10ma	
44	HIFI FIF5 D -V (H47) . DRTN	H1D	H1D.1 H	-H47	47	H47	25ohm, 10ma, splice 7:1	
26	HIFI FIF5 D -V (H47) . D2	H1D	H1D.1 H	-H47	47	H33	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		47	H47	splice 7:1	
22	HIFI FIF5 G -V (H48) . G1	H1G	H1G.- H	-H48	48	H48	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF5 G -V (H48) . GRTN	H1G	H1G.- H	-H48	48	H48	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF5 G -V (H48) . G2	H1G	H1G.- H	-H48	48	H48	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		48	H48	splice 7:1	
35	HIFI FIF6 D -V (H49) . D1	H1D	H1D.1 H	-H49	49	H49	25ohm, 10ma	
44	HIFI FIF6 D -V (H49) . DRTN	H1D	H1D.1 H	-H49	49	H49	25ohm, 10ma, splice 7:1	
11	HIFI FIF6 D -V (H49) . D2	H1D	H1D.1 H	-H49	49	H49	25ohm, 10ma	
-	CABLE SHIELD	SHD	H		49	H49	splice 7:1	
22	HIFI FIF6 G -V (H50) . G1	H1G	H1G.- H	-H50	50	H50	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF6 G -V (H50) . GRTN	H1G	H1G.- H	-H50	50	H50	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF6 G -V (H50) . G2	H1G	H1G.- H	-H50	50	H50	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		50	H50	splice 7:1	
21	HIFI FIF7 D -V (H51) . D1	H1D	H1D.1 H	-H51	51	H51	25ohm, 10ma	
44	HIFI FIF7 D -V (H51) . DRTN	H1D	H1D.1 H	-H51	51	H51	25ohm, 10ma, splice 7:1	
42	HIFI FIF7 D -V (H51) . D2	H1D	H1D.1 H	-H51	51	H51	25ohm, 10ma	

Astrium GmbH	Pin Allocation List	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J24

Function: HIFI FCU 1. IF Ampl. Ver.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
-	CABLE SHIELD	SHD	H		51	H51	splice 7:1	
22	HIFI FIF7 G -V (H52) . G1	H1G	H1G.- H	-H52	52	H52	1000ohm, 0,001ma splice 7:1	
-	HIFI FIF7 G -V (H52) . GRTN	H1G	H1G.- H	-H52	52	H52	1000ohm, 0,001ma splice 7:1	
43	HIFI FIF7 G -V (H52) . G2	H1G	H1G.- H	-H52	52	H52	1000ohm, 0,001ma splice 7:1	
-	CABLE SHIELD	SHD	H		52	H52		
16	NC							
32	NC							
18	NC							
34	NC							
20	NC							
05	NC							
36	NC							
08	NC							
39	NC							
25	NC							
41	NC							
27	NC							
12	NC							
15	NC							
CH	Overall Shield							

Connector: 112300 J25**Function:** HIFI FCU 2. IF Ampl. Ver.**Item:** HHFCU**Location:** 16 / Units on SVM Sidep. 6 (HIFI 2)**Conn.-Type:** DCMA-62S-NMB-FO**EMC-Category:** 2B/SigHa Box-SVMConBr**Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
01	HIFI SIF D1 -V (H59) . SIF1	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
44	HIFI SIF D1 -V (H59) . SIF2	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
24	HIFI SIF D1 -V (H59) . SIF3	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
03	HIFI SIF D1 -V (H59) . SIF4	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
46	HIFI SIF D1 -V (H59) . SIF5	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
26	HIFI SIF D1 -V (H59) . SIF6	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
05	HIFI SIF D1 -V (H59) . SIF7	H2D	H2D.- H	-H59	59	H53	25ohm, 10ma	
23	HIFI SIF D1 -V (H59) . TST	H2D	H2D.- H	-H59	59	H59	25ohm, 1ma	
07	HIFI SIF D1 -V (H59) . RTN	H2D	H2D.- H	-H59	59	H59	25ohm, 10ma	
43	CABLE SHIELD	SHD	H		59	H59		
06	HIFI SIF G1 -V (H60) . GA	H2G	H2G.- H	-H60	60	H60	1000ohm, 0,001ma	
28	HIFI SIF G1 -V (H60) . RTNA	H2G	H2G.- H	-H60	60	H60	1000ohm, 0,001ma	
48	HIFI SIF G1 -V (H60) . GB	H2G	H2G.- H	-H60	60	H60	1000ohm, 0,001ma	
49	HIFI SIF G1 -V (H60) . RTNB	H2G	H2G.- H	-H60	60	H60	1000ohm, 0,001ma	
22	CABLE SHIELD	SHD	-		60	H60		
50	HIFI SIF D2 -V (H61) . SIF1	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
30	HIFI SIF D2 -V (H61) . SIF2	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
09	HIFI SIF D2 -V (H61) . SIF3	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
52	HIFI SIF D2 -V (H61) . SIF4	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
32	HIFI SIF D2 -V (H61) . SIF5	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
11	HIFI SIF D2 -V (H61) . SIF6	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
54	HIFI SIF D2 -V (H61) . SIF7	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
08	HIFI SIF D2 -V (H61) . TST	H2D	H2D.- H	-H61	61	H61	25ohm, 1ma	
56	HIFI SIF D2 -V (H61) . RTN	H2D	H2D.- H	-H61	61	H61	25ohm, 10ma	
29	CABLE SHIELD	SHD	H		61	H61		
34	HIFI SIF G2 -V (H62) . GA	H2G	H2G.- H	-H62	62	H62	1000ohm, 0,001ma	
13	HIFI SIF G2 -V (H62) . RTNA	H2G	H2G.- H	-H62	62	H62	1000ohm, 0,001ma	
55	HIFI SIF G2 -V (H62) . GB	H2G	H2G.- H	-H62	62	H62	1000ohm, 0,001ma	
35	HIFI SIF G2 -V (H62) . RTNB	H2G	H2G.- H	-H62	62	H62	1000ohm, 0,001ma	
12	CABLE SHIELD	SHD	H		62	H62		
36	HIFI SIF D3 -V (H63) . SIF1	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
15	HIFI SIF D3 -V (H63) . SIF2	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
58	HIFI SIF D3 -V (H63) . SIF3	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
38	HIFI SIF D3 -V (H63) . SIF4	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
17	HIFI SIF D3 -V (H63) . SIF5	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
60	HIFI SIF D3 -V (H63) . SIF6	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
40	HIFI SIF D3 -V (H63) . SIF7	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
57	HIFI SIF D3 -V (H63) . TST	H2D	H2D.- H	-H63	63	H63	25ohm, 1ma	
42	HIFI SIF D3 -V (H63) . RTN	H2D	H2D.- H	-H63	63	H63	25ohm, 10ma	
14	CABLE SHIELD	SHD	H		63	H63		
19	HIFI SIF G3 -V (H64) . GA	H2G	H2G.- H	-H64	64	H64	1000ohm, 0,001ma	
20	HIFI SIF G3 -V (H64) . RTNA	H2G	H2G.- H	-H64	64	H64	1000ohm, 0,001ma	
41	HIFI SIF G3 -V (H64) . GB	H2G	H2G.- H	-H64	64	H64	1000ohm, 0,001ma	
62	HIFI SIF G3 -V (H64) . RTNB	H2G	H2G.- H	-H64	64	H64	1000ohm, 0,001ma	
21	CABLE SHIELD	SHD	H		64	H64		
02	NC							
45	NC							
25	NC							
04	NC							
47	NC							
27	NC							
51	NC							
31	NC							

Astrium GmbH	<h1>Pin Allocation List</h1> <p>(Item)</p>	Doc.No.: HP-2-ASED-IC-0001	
Project: HERSCHEL		Issue: 01 Date: 15.05.2002 Sheet: IPA-75 (of 86)	

Connector: 112300 J25

Function: HIFI FCU 2. IF Ampl. Ver.

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DCMA-62S-NMB-FO

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
10	NC						
53	NC						
33	NC						
37	NC						
16	NC						
59	NC						
39	NC						
18	NC						
61	NC						
CH	Overall Shd						

Astrium GmbH	Pin Allocation List	Doc.No.: HP-2-ASED-IC-0001
Project: HERSCHEL	(Item)	Issue: 01 Date: 15.05.2002
		Sheet: IPA-76 (of 86)

Connector: 112300 J26 **Function:** HIFI FCU Chop. Cal. Therm Red.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-62P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
23	HIFI CP-AC-R (H70) . A	HCA	HCA.- H	-H70	70	H70	100 ohm, 10ma	
02	HIFI CP-AC-R (H70) . ARTN	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
44	HIFI CP-AC-R (H70) . B	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
24	HIFI CP-AC-R (H70) . BRTN	HCA	HCA.- H	-H70	70	H70	100ohm, 10ma	
01	CABLE SHIELD	SHD	H		70	H70		
25	HIFI CP-LT-SY-R (H72) . B	HCS	HCS.- H	-H72	72	H72	1000ohm, 0,02ma	
04	HIFI CP-LT-SY-R (H72) . RTN	HCS	HCS.- H	-H72	72	H72	1000ohm, 0,02ma	
46	HIFI CP-LT-SY-R (H72) . A	HCS	HCS.- H	-H72	72	H72	1000ohm, 0,02ma	
26	CABLE SHIELD	SHD	H		72	H72		
05	HIFI CP-LT-PY-R (H71) . SIG	HCP	HCP.- H	-H71	71	H71	100ohm, 5ma	
06	HIFI CP-LT-PY-R (H71) . RTN	HCP	HCP.- H	-H71	71	H71	100ohm, 5ma	
28	CABLE SHIELD	SHD	H		71	H71		
07	HIFI CS-HR-TS-R (H81) . I	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
08	HIFI CS-HR-TS-R (H81) . IRTN	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
29	HIFI CS-HR-TS-R (H81) . V	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
50	HIFI CS-HR-TS-R (H81) . VRTN	HBH	HBH.- H	-H81	81	H81	1000ohm, 0,01ma	
49	CABLE SHIELD	SHD	H		81	H81		
30	HIFI Therm. S10K R (H75) . I	HBC	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
31	HIFI Therm. S10K R (H75) . IRTN	HBC	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
51	HIFI Therm. S10K R (H75) . V	HBC	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
09	HIFI Therm. S10K R (H75) . VRTN	HBC	HT1.- H	-H75	75	H75	1000ohm, 0,01ma	
11	CABLE SHIELD	SHD	H		75	H75		
52	HIFI Therm. S02K R (H76) . I	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
53	HIFI Therm. S02K R (H76) . IRTN	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
10	HIFI Therm. S02K R (H76) . V	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
32	HIFI Therm. S02K R (H76) . VRTN	HT2	HT2.- H	-H76	76	H76	1000ohm, 0,01ma	
33	CABLE SHIELD	SHD	H		76	H76		
54	HIFI CS-HT-R (H82) . SIG	HBT	HBT.- H	-H82	82	H82	200ohm, 3ma	
12	HIFI CS-HT-R (H82) . RTN	HBT	HBT.- H	-H82	82	H82	200ohm, 3ma	
34	CABLE SHIELD	SHD	H		82	H82		
13	HIFI Therm. S04K R (H77) . V	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
35	HIFI Therm. S04K R (H77) . VRTN	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
14	HIFI Therm. S04K R (H77) . I	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
56	HIFI Therm. S04K R (H77) . IRTN	HT4	HT4.- H	-H77	77	H77	1000ohm, 0,01ma	
55	CABLE SHIELD	SHD	H		77	H77		
57	HIFI 2. IF Amp-TS-R (H66) . I	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
37	HIFI 2. IF Amp-TS-R (H66) . IRTN	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
15	HIFI 2. IF Amp-TS-R (H66) . V	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
58	HIFI 2. IF Amp-TS-R (H66) . VRTN	H2S	H2S.- H	-H66	66	H66	1000ohm, 0,01ma	
36	CABLE SHIELD	SHD	H		66	H66		
22	NC							
43	NC							
03	NC							
45	NC							
47	NC							
27	NC							
48	NC							
16	NC							
38	NC							
17	NC							
59	NC							
39	NC							
18	NC							

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Connector: 112300 J26 **Function:** HIFI FCU Chop. Cal. Therm Red.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DCMA-62P-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code		Grouping:		Comment	New
		Circuit	Signal Pos.	Ch. ID	Shd Cable Twist		
60	NC						
40	NC						
19	NC						
61	NC						
41	NC						
20	NC						
62	NC						
42	NC						
21	NC						

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002 Sheet: IPA-78 (of 86)

Connector: 112300 J27 **Function:** HIFI FCU Diplexer Ver.
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** DAMA-15S-NMB-FO
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** NVA

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
02	HIFI DP3-AC-V (H88) . SIG	HDP	HDP.- H	-H88	88	H88	100ohm, 5ma	
10	HIFI DP3-AC-V (H88) . ACRTN	HDP	HDP.- H	-H88	88	H88	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		88	H88	con with 15 via junc	
03	HIFI DP4-AC-V (H89) . SIG	HDP	HDP.- H	-H89	89	H89	100ohm, 5ma	
10	HIFI DP4-AC-V (H89) . ACRTN	HDP	HDP.- H	-H89	89	H89	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		89	H89	con with 15 via junc	
04	HIFI DP5-AC-V (H90) . SIG	HDP	HDP.- H	-H90	90	H90	100ohm, 5ma	
10	HIFI DP5-AC-V (H90) . ACRTN	HDP	HDP.- H	-H90	90	H90	100ohm, 2,5ma	
01	CABLE SHIELD	SHD	H		90	H90	con with 15 via junc	
05	HIFI DP6-AC-V (H91) . SIG	HDP	HDP.- H	-H91	91	H91	100ohm, 5ma	
06	HIFI DP6-AC-V (H91) . ACRTN	HDP	HDP.- H	-H91	91	H91	100ohm, 2,5ma	
15	CABLE SHIELD	SHD	H		91	H91	con with 01 via junc	
07	HIFI DP7-AC-V (H92) . SIG	HDP	HDP.- H	-H92	92	H92	100ohm, 5ma	
06	HIFI DP7-AC-V (H92) . ACRTN	HDP	HDP.- H	-H92	92	H92	100ohm, 2,5ma	
15	CABLE SHIELD	SHD	H		92	H92	con with 01 via junc	
09	NC							
11	NC							
12	NC							
13	NC							
14	NC							
08	NC							
CH	Con. Case = Overall Shd							

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001	
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Connector: 112300 J31

Function: HIFI FCU IF1-H

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.		Ch. ID	Grouping: Shd Cable Twist		Comment	New
-	TBD							

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J32

Function: HIFI FCU IF2-H

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001	
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Connector: 112300 J33

Function: HIFI FCU IF1-V

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001 Issue: 01 Date: 15.05.2002 Sheet: IPA-82 (of 86)
Project: HERSCHEL		

Connector: 112300 J34

Function: HIFI FCU IF2-V

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:		Comment	New
		Circuit	Signal Pos.		Shd	Cable Twist		
-	TBD							

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J41 **Function:** HIFI FCU IF ????
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** SMA Female
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J42

Function: HIFI FCU IF ????

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
Project: HERSCHEL		Issue: 01 Date: 15.05.2002 Sheet: IPA-85 (of 86)

Connector: 112300 J43 **Function:** HIFI FCU IF ????
Item: HHFCU
Location: 16 / Units on SVM Sidep. 6 (HIFI 2) **Conn.-Type:** SMA Female
EMC-Category: 2B/SigHa Box-SVMConBr **Backshell:** N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

Astrium GmbH	Pin Allocation List (Item)	Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 J44

Function: HIFI FCU IF ????

Item: HHFCU

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Female

EMC-Category: 2B/SigHa Box-SVMConBr

Backshell: N/A

Pin	Signal Designation	Interface-Code Circuit Signal Pos.	Ch. ID	Grouping: Shd Cable Twist	Comment	New
-	TBD					

15 Pin allocation List Harness Side

(Subject of change)

This list describes the Harness Connector Pin allocations based on Instrument IIDB and Harness specifications.

This list will be the basic input for harness manufacturing.

Insert PAL from CAIE DataBase

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-C-0001

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Connector: 111100 P01

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU IF1-H

Location: 73 / on HIFI FPU

Conn.-Type: Coax Socket tbd

Backshell: TBC

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

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 111100 P02

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU IF2-H

Location: 73 / on HIFI FPU

Conn.-Type: Coax Socket tbd

Backshell: TBC

Pin Signal Designation

TBD

Pin	Signal	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P11

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 1 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD		H		1	H01		CVVUCR	30	211121 J15		
02	HIFI MX1-H (H01) . B	HMX	HMX.-	H	..	1	H01	1000 ohm 2ma	CVVUCR	30	211121 J15		
03	HIFI MX1-H (H01) . VM	HMX	HMX.-	H	..	1	H01	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
04	HIFI MX1-H (H01) . IM	HMX	HMX.-	H	..	1	H01	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX1-H (H01) . BRTN	HMX	HMX.-	H	..	1	H01	1000 ohm 2ma	CVVUCR	30	211121 J15		
08	HIFI MX1-H (H01) . VMRTN	HMX	HMX.-	H	..	1	H01	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P12

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 2 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD	H			2	H02		CVWUCR	30	211121 J15		
02	HIFI MX2-H (H02) . B	HMX	HMX.- H	-H02	--	2	H02	1000 ohm 2ma	CVWUCR	30	211121 J15		
03	HIFI MX2-H (H02) . VM	HMX	HMX.- H	-H02	--	2	H02	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
04	HIFI MX2-H (H02) . IM	HMX	HMX.- H	-H02	--	2	H02	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX2-H (H02) . BR TN	HMX	HMX.- H	-H02	--	2	H02	1000 ohm 2ma	CVWUCR	30	211121 J15		
08	HIFI MX2-H (H02) . VM RTN	HMX	HMX.- H	-H02	--	2	H02	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
09	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P13

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 3 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD		H			3	H03					
02	HIFI MX3-H (H03) . B	HMX	HMX.-	H	--		3	H03	1000 ohm 2ma	30	211121 J15		
03	HIFI MX3-H (H03) . VM	HMX	HMX.-	H	--		3	H03	1000 ohm 0,001ma	30	211121 J15		
04	HIFI MX3-H (H03) . IM	HMX	HMX.-	H	--		3	H03	1000 ohm 0,001ma	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX3-H (H03) . BR TN	HMX	HMX.-	H	--		3	H03	1000 ohm 2ma	30	211121 J15		
08	HIFI MX3-H (H03) . VM RTN	HMX	HMX.-	H	--		3	H03	1000 ohm 0,001ma	30	211121 J15		
09	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P14

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 4 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD	H			4	H04		CVWUCR	30	211121 J15		
02	HIFI MX4-H (H04) . B	HMX	HMX.- H	-H04	--	4	H04	1000 ohm 2ma	CVWUCR	30	211121 J15		
03	HIFI MX4-H (H04) . VM	HMX	HMX.- H	-H04	--	4	H04	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
04	HIFI MX4-H (H04) . IM	HMX	HMX.- H	-H04	--	4	H04	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX4-H (H04) . BRTN	HMX	HMX.- H	-H04	--	4	H04	1000 ohm 2ma	CVWUCR	30	211121 J15		
08	HIFI MX4-H (H04) . VMRTN	HMX	HMX.- H	-H04	--	4	H04	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P15

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 5 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
01	HIFI MX5-H (H05) . SHD	HMX	HMX.- H	-H05	--	5	H05		CVWUCR	30	211121 J15		
02	HIFI MX5-H (H05) . B	HMX	HMX.- H	-H05	--	5	H05	1000 ohm 2ma	CVWUCR	30	211121 J15		
03	HIFI MX5-H (H05) . VM	HMX	HMX.- H	-H05	--	5	H05	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
04	HIFI MX5-H (H05) . IM	HMX	HMX.- H	-H05	--	5	H05	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX5-H (H05) . BR TN	HMX	HMX.- H	-H05	--	5	H05	1000 ohm 2ma	CVWUCR	30	211121 J15		
08	HIFI MX5-H (H05) . VM RTN	HMX	HMX.- H	-H05	--	5	H05	1000 ohm 0,001ma	CVWUCR	30	211121 J15		
09	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P16

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 6 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD		H			6	H06					
02	HIFI MX6-H (H06) . B	HMX	HMX.-	H	--		6	H06	1000 ohm 2ma	30	211121 J15		
03	HIFI MX6-H (H06) . VM	HMX	HMX.-	H	--		6	H06	1000 ohm 0,001ma	30	211121 J15		
04	HIFI MX6-H (H06) . IM	HMX	HMX.-	H	--		6	H06	1000 ohm 0,001ma	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX6-H (H06) . BRTN	HMX	HMX.-	H	--		6	H06	1000 ohm 2ma	30	211121 J15		
08	HIFI MX6-H (H06) . VMRTN	HMX	HMX.-	H	--		6	H06	1000 ohm 0,001ma	30	211121 J15		
09	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P17

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 7 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD	H			7	H07		CVVUCR	30	211121 J15		
02	HIFI MX7-H (H07) . B	HMX	HMX.-	H	..	7	H07	1000 ohm 2ma	CVVUCR	30	211121 J15		
03	HIFI MX7-H (H07) . VM	HMX	HMX.-	H	..	7	H07	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
04	HIFI MX7-H (H07) . IM	HMX	HMX.-	H	..	7	H07	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
05	NC												
06	NC												
07	HIFI MX7-H (H07) . BRTN	HMX	HMX.-	H	..	7	H07	1000 ohm 2ma	CVVUCR	30	211121 J15		
08	HIFI MX7-H (H07) . VMRTN	HMX	HMX.-	H	..	7	H07	1000 ohm 0,001ma	CVVUCR	30	211121 J15		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P18

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 1 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD	H			8	H08		CVVMCR	30	211122 J23		
02	HIFI MX1-V (H08) . B	HMX	HMX.- H	-H08	..	8	H08	1000 ohm 2ma	CVVMCR	30	211122 J23		
03	HIFI MX1-V (H08) . VM	HMX	HMX.- H	-H08	..	8	H08	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
04	HIFI MX1-V (H08) . IM	HMX	HMX.- H	-H08	..	8	H08	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX1-V (H08) . BRTN	HMX	HMX.- H	-H08	..	8	H08	1000 ohm 2ma	CVVMCR	30	211122 J23		
08	HIFI MX1-V (H08) . VMRTN	HMX	HMX.- H	-H08	..	8	H08	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
09	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P19

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 2 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD		H			9	H09					
02	HIFI MX2-V (H09) . B	HMX	HMX.-	H	--		9	H09	1000 ohm 2ma	30	211122 J23		
03	HIFI MX2-V (H09) . VM	HMX	HMX.-	H	--		9	H09	1000 ohm 0,001ma	30	211122 J23		
04	HIFI MX2-V (H09) . IM	HMX	HMX.-	H	--		9	H09	1000 ohm 0,001ma	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX2-V (H09) . BR TN	HMX	HMX.-	H	--		9	H09	1000 ohm 2ma	30	211122 J23		
08	HIFI MX2-V (H09) . VM RTN	HMX	HMX.-	H	--		9	H09	1000 ohm 0,001ma	30	211122 J23		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P20

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 3 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD					10	H10					
02	HIFI MX3-V (H10) . B	HMX	HMX.-	H			10	H10	1000 ohm 2ma	30	211122 J23		
03	HIFI MX3-V (H10) . VM	HMX	HMX.-	H			10	H10	1000 ohm 0,001ma	30	211122 J23		
04	HIFI MX3-V (H10) . IM	HMX	HMX.-	H			10	H10	1000 ohm 0,001ma	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX3-V (H10) . BR TN	HMX	HMX.-	H			10	H10	1000 ohm 2ma	30	211122 J23		
08	HIFI MX3-V (H10) . VM RTN	HMX	HMX.-	H			10	H10	1000 ohm 0,001ma	30	211122 J23		
09	NC												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P21

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 4 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD					11	H11					
02	HIFI MX4-V (H11) . B	HMX	HMX.-	H			11	H11	1000 ohm 2ma	30	211122 J23		
03	HIFI MX4-V (H11) . VM	HMX	HMX.-	H			11	H11	1000 ohm 0,001ma	30	211122 J23		
04	HIFI MX4-V (H11) . IM	HMX	HMX.-	H			11	H11	1000 ohm 0,001ma	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX4-V (H11) . BRTN	HMX	HMX.-	H			11	H11	1000 ohm 2ma	30	211122 J23		
08	HIFI MX4-V (H11) . VMRTN	HMX	HMX.-	H			11	H11	1000 ohm 0,001ma	30	211122 J23		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P22

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 5 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
01	CABLE SHIELD . SHD	SHD		H		12	H12		CVVMCR	30	211122 J23		
02	HIFI MX5-V (H12) . B	HMX	HMX.-	H	..	12	H12	1000 ohm 2ma	CVVMCR	30	211122 J23		
03	HIFI MX5-V (H12) . VM	HMX	HMX.-	H	..	12	H12	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
04	HIFI MX5-V (H12) . IM	HMX	HMX.-	H	..	12	H12	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX5-V (H12) . BR TN	HMX	HMX.-	H	..	12	H12	1000 ohm 2ma	CVVMCR	30	211122 J23		
08	HIFI MX5-V (H12) . VM RTN	HMX	HMX.-	H	..	12	H12	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
09	NC												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P23

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 6 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD				13	H13		CVVMCR	30	211122 J23		
02	HIFI MX6-V (H13) . B	HMX	HMX.-	-H13	..	13	H13	1000 ohm 2ma	CVVMCR	30	211122 J23		
03	HIFI MX6-V (H13) . VM	HMX	HMX.-	-H13	..	13	H13	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
04	HIFI MX6-V (H13) . IM	HMX	HMX.-	-H13	..	13	H13	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX6-V (H13) . BRTN	HMX	HMX.-	-H13	..	13	H13	1000 ohm 2ma	CVVMCR	30	211122 J23		
08	HIFI MX6-V (H13) . VMRTN	HMX	HMX.-	-H13	..	13	H13	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P24

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 7 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	CABLE SHIELD . SHD	SHD		H		14	H14		CVVMCR	30	211122 J23		
02	HIFI MX7-V (H14) . B	HMX	HMX.-	H	--	14	H14	1000 ohm 2ma	CVVMCR	30	211122 J23		
03	HIFI MX7-V (H14) . VM	HMX	HMX.-	H	--	14	H14	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
04	HIFI MX7-V (H14) . IM	HMX	HMX.-	H	--	14	H14	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
05	NC												
06	NC												
07	HIFI MX7-V (H14) . BRTN	HMX	HMX.-	H	--	14	H14	1000 ohm 2ma	CVVMCR	30	211122 J23		
08	HIFI MX7-V (H14) . VMRTN	HMX	HMX.-	H	--	14	H14	1000 ohm 0,001ma	CVVMCR	30	211122 J23		
09	NC												

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Pin Allocation List (Harness)

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Connector: 111100 P25

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor
 Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630
 Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFIMGHT1-H (H15) . HT	HMH	HMH.-	H	..	15	H15	100ohm, 10ma	CVVMCR	30	211122 J20		
01	HIFIMGHT1-H (H15) . HTRTN	HMH	HMH.-	H	..	15	H15	100ohm, 10ma	CVVMCR	30	211122 J20		
07	HIFIMGHT1-H (H15) . MG	HMH	HMH.-	H	..	15	H15	100ohm, 15ma	CVVMCR	30	211122 J20		
02	HIFIMGHT1-H (H15) . MGRTN	HMH	HMH.-	H	..	15	H15	100ohm, 15ma	CVVMCR	30	211122 J20		
03	CABLE SHIELD . SHD	SHD				15	H15		CVVMCR	30	211122 J20		
04	NC												
05	NC												
08	NC												
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P26

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFIMGHT2-H (H16) . HT	HMH	HMH.-	H	..	16	H16	100ohm, 10ma	CVVMCR	30	211122 J20		
01	HIFIMGHT2-H (H16) . HTRTN	HMH	HMH.-	H	..	16	H16	100ohm, 10ma	CVVMCR	30	211122 J20		
07	HIFIMGHT2-H (H16) . MG	HMH	HMH.-	H	..	16	H16	100ohm, 15ma	CVVMCR	30	211122 J20		
02	HIFIMGHT2-H (H16) . MGRTN	HMH	HMH.-	H	..	16	H16	100ohm, 15ma	CVVMCR	30	211122 J20		
03	CABLE SHIELD . SHD	SHD		H	..	16	H16		CVVMCR	30	211122 J20		
04	NC												
05	NC												
08	NC												
09	NC												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P27

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
06	HIFI MGHT3-H (H17) . HT	HMH	HMH.-	H	..	17	H17	100ohm, 10ma	CVVMCR	30	211122 J20		
01	HIFI MGHT3-H (H17) . HTRTN	HMH	HMH.-	H	..	17	H17	100ohm, 10ma	CVVMCR	30	211122 J20		
07	HIFI MGHT3-H (H17) . MG	HMH	HMH.-	H	..	17	H17	100ohm, 15ma	CVVMCR	30	211122 J20		
02	HIFI MGHT3-H (H17) . MGRTN	HMH	HMH.-	H	..	17	H17	100ohm, 15ma	CVVMCR	30	211122 J20		
03	CABLE SHIELD . SHD	SHD		H		17	H17		CVVMCR	30	211122 J20		
04	NC												
05	NC												
08	NC												
09	NC												

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Pin Allocation List (Harness)

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Connector: 111100 P28

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Wiring	Shd						
06	HIFI MGH4-H (H18) . HT	HMH	HMH.-	H	-H18	18	H18	100ohm, 10ma	CVVMCR	30	211122 J20		
01	HIFI MGH4-H (H18) . HTRTN	HMH	HMH.-	H	-H18	18	H18	100ohm, 10ma	CVVMCR	30	211122 J20		
07	HIFI MGH4-H (H18) . MG	HMH	HMH.-	H	-H18	18	H18	100ohm, 15ma	CVVMCR	30	211122 J20		
02	HIFI MGH4-H (H18) . MGRTN	HMH	HMH.-	H	-H18	18	H18	100ohm, 15ma	CVVMCR	30	211122 J20		
03	CABLE SHIELD . SHD	SHD				18	H18		CVVMCR	30	211122 J20		
04	NC												
05	NC												
08	NC												
09	NC												

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Pin Allocation List (Harness)

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Connector: 111100 P29

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor
 Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630
 Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Shd	Cable	Twist						
06	HIFI MGHT5 -H (H19) . HT	HM/H	HM/H.-	H	-	H19	19	H19	100ohm, 10ma	CVVMCR	30	211122 J20		
01	HIFI MGHT5 -H (H19) . HTRTN	HM/H	HM/H.-	H	-	H19	19	H19	100ohm, 10ma	CVVMCR	30	211122 J20		
07	HIFI MGHT5 -H (H19) . MG	HM/H	HM/H.-	H	-	H19	19	H19	100ohm, 15ma	CVVMCR	30	211122 J20		
02	HIFI MGHT5 -H (H19) . MGRTN	HM/H	HM/H.-	H	-	H19	19	H19	100ohm, 15ma	CVVMCR	30	211122 J20		
03	CABLE SHIELD . SHD	SHD		H		H19	19	H19		CVVMCR	30	211122 J20		
04	NC													
05	NC													
08	NC													
09	NC													

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P32
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
06	HIFI.MGHT1 -V (H20) . HT	HMH	HMH.-	H	..	20	H20	100ohm, 10ma	CVWUCR	30	211121 J18		
01	HIFI.MGHT1 -V (H20) . HTRTN	HMH	HMH.-	H	..	20	H20	100ohm, 10ma	CVWUCR	30	211121 J18		
07	HIFI.MGHT1 -V (H20) . MG	HMH	HMH.-	H	..	20	H20	100ohm, 15ma	CVWUCR	30	211121 J18		
02	HIFI.MGHT1 -V (H20) . MGRTN	HMH	HMH.-	H	..	20	H20	100ohm, 15ma	CVWUCR	30	211121 J18		
03	CABLE SHIELD . SHD	SHD		H		20	H20		CVWUCR	30	211121 J18		
04	NC												
05	NC												
08	NC												
09	NC												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P33

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDML-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Shd						
06	HIFI MGHT2-V (H21) . HT	HMH	HMH.-	H	-H21	...	21	H21	100ohm, 10ma	CVVUCR	30	211121 J18		
01	HIFI MGHT2-V (H21) . HTRTN	HMH	HMH.-	H	-H21	...	21	H21	100ohm, 10ma	CVVUCR	30	211121 J18		
07	HIFI MGHT2-V (H21) . MG	HMH	HMH.-	H	-H21	...	21	H21	100ohm, 15ma	CVVUCR	30	211121 J18		
02	HIFI MGHT2-V (H21) . MGRTN	HMH	HMH.-	H	-H21	...	21	H21	100ohm, 15ma	CVVUCR	30	211121 J18		
03	CABLE SHIELD . SHD	SHD					21	H21		CVVUCR	30	211121 J18		
04	NC													
05	NC													
08	NC													
09	NC													

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P34

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
06	HIFIMGHT3-V (H22) . HT	HM/H	HM/H.-	H	..	22	H22	100ohm, 10ma	CVVUCR	30	211121 J18		
01	HIFIMGHT3-V (H22) . HTRTN	HM/H	HM/H.-	H	..	22	H22	100ohm, 10ma	CVVUCR	30	211121 J18		
07	HIFIMGHT3-V (H22) . MG	HM/H	HM/H.-	H	..	22	H22	100ohm, 15ma	CVVUCR	30	211121 J18		
02	HIFIMGHT3-V (H22) . MGRTN	HM/H	HM/H.-	H	..	22	H22	100ohm, 15ma	CVVUCR	30	211121 J18		
03	CABLE SHIELD . SHD	SHD		H		22	H22		CVVUCR	30	211121 J18		
04	NC												
05	NC												
08	NC												
09	NC												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 111100 P35

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFIMGHT4-V (H23) . HT	HMH	HMH.-	H	..	23	H23	100ohm, 10ma	CVVUCR	30	211121 J18		
01	HIFIMGHT4-V (H23) . HTRTN	HMH	HMH.-	H	..	23	H23	100ohm, 10ma	CVVUCR	30	211121 J18		
07	HIFIMGHT4-V (H23) . MG	HMH	HMH.-	H	..	23	H23	100ohm, 15ma	CVVUCR	30	211121 J18		
02	HIFIMGHT4-V (H23) . MGRTN	HMH	HMH.-	H	..	23	H23	100ohm, 15ma	CVVUCR	30	211121 J18		
03	CABLE SHIELD . SHD	SHD				23	H23		CVVUCR	30	211121 J18		
04	NC												
05	NC												
08	NC												
09	NC												

Pin Allocation List (Harness)

Connector: 111100 P36

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Shd	Cable	Twist						
06	HIFIMGHT5-V (H24) . HT	HMH	HMH.-	H	-H24	--	24	H24	100ohm, 10ma	CVVUCR	30	211121 J18		
01	HIFIMGHT5-V (H24) . HTRTN	HMH	HMH.-	H	-H24	--	24	H24	100ohm, 10ma	CVVUCR	30	211121 J18		
07	HIFIMGHT5-V (H24) . MG	HMH	HMH.-	H	-H24	--	24	H24	100ohm, 15ma	CVVUCR	30	211121 J18		
02	HIFIMGHT5-V (H24) . MGRTN	HMH	HMH.-	H	-H24	--	24	H24	100ohm, 15ma	CVVUCR	30	211121 J18		
03	CABLE SHIELD . SHD	SHD					24	H24		CVVUCR	30	211121 J18		
04	NC													
05	NC													
08	NC													
09	NC													

Pin Allocation List (Harness)

Connector: 111100 P39

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 1 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Grouping:			Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Wiring	Shd						
06	HIFI FIF1 D-H (H25) . D2	H1D	H1D.-	H	-H25	25	H25	A	25ohm, 10ma	CVVUCR	30	211121 J16	
03	HIFI FIF1 D-H (H25) . D1	H1D	H1D.-	H	-H25	25	H25	A	25ohm, 10ma	CVVUCR	30	211121 J16	
04	HIFI FIF1 D-H (H25) . TST	H1D	H1D.-	H	-H25	25	H25	A	25ohm, 1ma	CVVUCR	30	211121 J16	
09	HIFI FIF1 D-H (H25) . DRTN	H1D	H1D.-	H	-H25	25	H25	A	25ohm, 20ma	CVVUCR	30	211121 J16	
07	CABLE SHIELD	SHD		H	-H25	25	H25	A		CVVUCR	30	211121 J16	
01	CABLE SHIELD	SHD		H	-H26	26	H26	A		CVVUCR	30	211121 J16	
08	HIFI FIF1 G-H (H26) . G2	H1G	H1G.-	H	-H26	26	H26	A	1000ohm, 0,001ma	CVVUCR	30	211121 J16	
02	HIFI FIF1 G-H (H26) . GRTN	H1G	H1G.-	H	-H26	26	H26	A	1000ohm, 0,001ma	CVVUCR	30	211121 J16	
05	HIFI FIF1 G-H (H26) . G1	H1G	H1G.-	H	-H26	26	H26	A	1000ohm, 0,001ma	CVVUCR	30	211121 J16	

Pin Allocation List (Harness)

Connector: 111100 P40
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 2 Hor
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF2 D -H (H27) . D2	H1D	H1D.1	H	--	27	H27	B	CVWUCR	30	211121 J16		
03	HIFI FIF2 D -H (H27) . D1	H1D	H1D.1	H	--	27	H27	B	CVWUCR	30	211121 J16		
04	NC												
09	HIFI FIF2 D -H (H27) . DRTN	H1D	H1D.1	H	--	27	H27	B	CVWUCR	30	211121 J16		
07	CABLE SHIELD	SHD		H		27	H27	B	CVWUCR	30	211121 J16		
01	CABLE SHIELD	SHD		H		28	H28	B	CVWUCR	30	211121 J16		
08	HIFI FIF2 G -H (H28) . G2	H1G	H1G.-	H	--	28	H28	B	CVWUCR	30	211121 J16		
02	HIFI FIF2 G -H (H28) . GRTN	H1G	H1G.-	H	--	28	H28	B	CVWUCR	30	211121 J16		
05	HIFI FIF2 G -H (H28) . G1	H1G	H1G.-	H	--	28	H28	B	CVWUCR	30	211121 J16		

Pin Allocation List (Harness)

Connector: 111100 P41

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 3 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF3 D -H (H29) . D2	H1D	H1D.1	H	--	29	H29	C	25ohm, 10ma	30	211121 J16		
03	HIFI FIF3 D -H (H29) . D1	H1D	H1D.1	H	--	29	H29	C	25ohm, 10ma	30	211121 J16		
04	NC												
09	HIFI FIF3 D -H (H29) . DRTN	H1D	H1D.1	H	--	29	H29	C	25ohm, 20ma	30	211121 J16		
07	CABLE SHIELD	SHD		H		29	H29	C		30	211121 J16		
01	CABLE SHIELD	SHD		H		30	H30	C		30	211121 J16		
08	HIFI FIF3 G -H (H30) . G2	H1G	H1G.-	H	--	30	H30	C	1000ohm, 0,001ma	30	211121 J16		
02	HIFI FIF3 G -H (H30) . GRTN	H1G	H1G.-	H	--	30	H30	C	1000ohm, 0,001ma	30	211121 J16		
05	HIFI FIF3 G -H (H30) . G1	H1G	H1G.-	H	--	30	H30	C	1000ohm, 0,001ma	30	211121 J16		

Pin Allocation List (Harness)

Connector: 111100 P42
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 4 Hor
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF4 D-H (H31) . D2	H1D	H1D-	H	-H31	..	31	H31	D	25ohm, 10ma	CVWUCR	211121 J16	
03	HIFI FIF4 D-H (H31) . D1	H1D	H1D-	H	-H31	..	31	H31	D	25ohm, 10ma	CVWUCR	211121 J16	
04	HIFI FIF4 D-H (H31) . TST	H1D	H1D-	H	-H31	..	31	H31	D	25ohm, 1ma	CVWUCR	211121 J16	
09	HIFI FIF4 D-H (H31) . DRTN	H1D	H1D-	H	-H31	..	31	H31	D	25ohm, 20ma	CVWUCR	211121 J16	
07	CABLE SHIELD	SHD		H			31	H31	D		CVWUCR	211121 J16	
01	CABLE SHIELD	SHD		H			32	H32	D		CVWUCR	211121 J16	
08	HIFI FIF4 G-H (H32) . G2	H1G	H1G-	H	-H32	..	32	H32	D	1000ohm, 0,001ma	CVWUCR	211121 J16	
02	HIFI FIF4 G-H (H32) . GRTN	H1G	H1G-	H	-H32	..	32	H32	D	1000ohm, 0,001ma	CVWUCR	211121 J16	
05	HIFI FIF4 G-H (H32) . G1	H1G	H1G-	H	-H32	..	32	H32	D	1000ohm, 0,001ma	CVWUCR	211121 J16	

Pin Allocation List (Harness)

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Connector: 111100 P43

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 5 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
06	HIFI FIF5 D-H (H33) . D2	H1D	H1D.1	H	-	33	H33	E	CVVUCR	30	211121 J16		
03	HIFI FIF5 D-H (H33) . D1	H1D	H1D.1	H	-	33	H33	E	CVVUCR	30	211121 J16		
04	NC												
09	HIFI FIF5 D-H (H33) . DRTN	H1D	H1D.1	H	-	33	H33	E	CVVUCR	30	211121 J16		
07	CABLE SHIELD	SHD		H		33	H33	E	CVVUCR	30	211121 J16		
01	CABLE SHIELD	SHD		H		34	H34	E	CVVUCR	30	211121 J16		
08	HIFI FIF5 G-H (H34) . G2	H1G	H1G.-	H	-	34	H34	E	CVVUCR	30	211121 J16		
02	HIFI FIF5 G-H (H34) . GRTN	H1G	H1G.-	H	-	34	H34	E	CVVUCR	30	211121 J16		
05	HIFI FIF5 G-H (H34) . G1	H1G	H1G.-	H	-	34	H34	E	CVVUCR	30	211121 J16		

Pin Allocation List (Harness)

Connector: 111100 P44

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 6 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Grouping:	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal												
06	HIFI FIF6 D-H (H35) . D2	H1D	H1D.1	H	-H35	--	35	H35	F	25ohm, 10ma	CVVUCR	30	211121 J16		
03	HIFI FIF6 D-H (H35) . D1	H1D	H1D.1	H	-H35	--	35	H35	F	25ohm, 10ma	CVVUCR	30	211121 J16		
04	NC														
09	HIFI FIF6 D-H (H35) . DRTN	H1D	H1D.1	H	-H35	--	35	H33	F	25ohm, 20ma	CVVUCR	30	211121 J16		
07	CABLE SHIELD	SHD		H			35	H35	F		CVVUCR	30	211121 J16		
01	CABLE SHIELD	SHD		H			36	H36	F		CVVUCR	30	211121 J16		
08	HIFI FIF6 G-H (H36) . G2	H1G	H1G.-	H	-H36	--	36	H36	F	1000ohm, 0,001ma	CVVUCR	30	211121 J16		
02	HIFI FIF6 G-H (H36) . GRTN	H1G	H1G.-	H	-H36	--	36	H36	F	1000ohm, 0,001ma	CVVUCR	30	211121 J16		
05	HIFI FIF6 G-H (H36) . G1	H1G	H1G.-	H	-H36	--	36	H36	F	1000ohm, 0,001ma	CVVUCR	30	211121 J16		

Pin Allocation List (Harness)

Connector: 111100 P45
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 7 Hor
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Grouping:	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal												
06	HIFI FIF7 D -H (H37) . D2	H1D	H1D.1	H	-H37	37	H37	G		25ohm, 10ma	CVVUCR	30	211121 J16		
03	HIFI FIF7 D -H (H37) . D1	H1D	H1D.1	H	-H37	37	H37	G		25ohm, 10ma	CVVUCR	30	211121 J16		
04	NC														
09	HIFI FIF7 D -H (H37) . DRTN	H1D	H1D.1	H	-H37	37	H37	G		25ohm, 20ma	CVVUCR	30	211121 J16		
07	CABLE SHIELD	SHD		H		37	H37	G			CVVUCR	30	211121 J16		
01	CABLE SHIELD	SHD		H		38	H38	G			CVVUCR	30	211121 J16		
08	HIFI FIF7 G -H (H38) . G2	H1G	H1G.-	H	-H38	38	H38	G		1000ohm, 0,001ma	CVVUCR	30	211121 J16		
02	HIFI FIF7 G -H (H38) . GRTN	H1G	H1G.-	H	-H38	38	H38	G		1000ohm, 0,001ma	CVVUCR	30	211121 J16		
05	HIFI FIF7 G -H (H38) . G1	H1G	H1G.-	H	-H38	38	H38	G		1000ohm, 0,001ma	CVVUCR	30	211121 J16		

Pin Allocation List (Harness)

Connector: 111100 P46

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 1 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New	
		Circuit	Signal			Pos.	Shd							Cable
06	HIFI FIF1 D-V (H39) . D2	H1D	H1D.-	H	-H39	..	39	H39	H	25ohm, 10ma	CVVMCR	30	211122 J24	
03	HIFI FIF1 D-V (H39) . D1	H1D	H1D.-	H	-H39	..	39	H39	H	25ohm, 10ma	CVVMCR	30	211122 J24	
04	HIFI FIF1 D-V (H39) . TST	H1D	H1D.-	H	-H39	..	39	H39	H	25ohm, 1ma	CVVMCR	30	211122 J24	
09	HIFI FIF1 D-V (H39) . DRTN	H1D	H1D.-	H	-H39	..	39	H39	H	25ohm, 20ma	CVVMCR	30	211122 J24	
07	CABLE SHIELD	SHD		H			39	H39	H		CVVMCR	30	211122 J24	
01	CABLE SHIELD	SHD		H			40	H40	H		CVVMCR	30	211122 J24	
08	HIFI FIF1 G-V (H40) . G2	H1G	H1G.-	H	-H40	..	40	H40	H	1000ohm, 0,001ma	CVVMCR	30	211122 J24	
02	HIFI FIF1 G-V (H40) . GRTN	H1G	H1G.-	H	-H40	..	40	H40	H	1000ohm, 0,001ma	CVVMCR	30	211122 J24	
05	HIFI FIF1 G-V (H40) . G1	H1G	H1G.-	H	-H40	..	40	H40	H	1000ohm, 0,001ma	CVVMCR	30	211122 J24	

Pin Allocation List (Harness)

Connector: 111100 P47

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 2 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Shd	Cable	Twist						
06	HIFI FIF2 D -V (H41) . D2	H1D	H1D.1	H	-H41	--	41	H41	I	25ohm, 10ma	30	211122 J24		
03	HIFI FIF2 D -V (H41) . D1	H1D	H1D.1	H	-H41	--	41	H41	I	25ohm, 10ma	30	211122 J24		
04	NC													
09	HIFI FIF2 D -V (H41) . DRTN	H1D	H1D.1	H	-H41	--	41	H41	I	25ohm, 20ma	30	211122 J24		
07	CABLE SHIELD	SHD		H			41	H41	I		30	211122 J24		
01	CABLE SHIELD	SHD		H			42	H42	I		30	211122 J24		
08	HIFI FIF2 G -V (H42) . G2	H1G	H1G.-	H	-H42	--	42	H42	I	1000ohm, 0,001ma	30	211122 J24		
02	HIFI FIF2 G -V (H42) . GRTN	H1G	H1G.-	H	-H42	--	42	H42	I	1000ohm, 0,001ma	30	211122 J24		
05	HIFI FIF2 G -V (H42) . G1	H1G	H1G.-	H	-H42	--	42	H42	I	1000ohm, 0,001ma	30	211122 J24		

Pin Allocation List (Harness)

Connector: 111100 P48

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 3 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal				Pos.	Cable						
06	HIFI FIF3 D-V (H43) . D2	H1D	H1D.1	H	-H43	43	H43	J	25ohm, 10ma	CVVMCR	30	211122 J24		
03	HIFI FIF3 D-V (H43) . D1	H1D	H1D.1	H	-H43	43	H43	J	25ohm, 10ma	CVVMCR	30	211122 J24		
04	NC													
09	HIFI FIF3 D-V (H43) . DRTN	H1D	H1D.1	H	-H43	43	H43	J	25ohm, 20ma	CVVMCR	30	211122 J24		
07	CABLE SHIELD	SHD		H		43	H43	J		CVVMCR	30	211122 J24		
01	CABLE SHIELD	SHD		H		44	H44	J		CVVMCR	30	211122 J24		
08	HIFI FIF3 G-V (H44) . G2	H1G	H1G.-	H	-H44	44	H44	J	1000ohm, 0,001ma	CVVMCR	30	211122 J24		
02	HIFI FIF3 G-V (H44) . GRTN	H1G	H1G.-	H	-H44	44	H44	J	1000ohm, 0,001ma	CVVMCR	30	211122 J24		
05	HIFI FIF3 G-V (H44) . G1	H1G	H1G.-	H	-H44	44	H44	J	1000ohm, 0,001ma	CVVMCR	30	211122 J24		

Pin Allocation List (Harness)

Connector: 111100 P49

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 4 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF4 D -V (H45) . D2	H1D	H1D.-	H	-H45	45	H45	K	CVVMCR	30	211122 J24		
03	HIFI FIF4 D -V (H45) . D1	H1D	H1D.-	H	-H45	45	H45	K	CVVMCR	30	211122 J24		
04	HIFI FIF4 D -V (H45) . TST	H1D	H1D.-	H	-H45	45	H45	K	CVVMCR	30	211122 J24		
09	HIFI FIF4 D -V (H45) . DRTN	H1D	H1D.-	H	-H45	45	H45	K	CVVMCR	30	211122 J24		
07	CABLE SHIELD	SHD		H	-H45	45	H45	K	CVVMCR	30	211122 J24		
01	CABLE SHIELD	SHD		H	-H46	46	H46	K	CVVMCR	30	211122 J24		
08	HIFI FIF4 G -V (H46) . G2	H1G	H1G.-	H	-H46	46	H46	K	CVVMCR	30	211122 J24		
02	HIFI FIF4 G -V (H46) . GRTN	H1G	H1G.-	H	-H46	46	H46	K	CVVMCR	30	211122 J24		
05	HIFI FIF4 G -V (H46) . G1	H1G	H1G.-	H	-H46	46	H46	K	CVVMCR	30	211122 J24		

Pin Allocation List (Harness)

Project: **HERSCHEL**

Connector: 111100 P50

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 5 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF5 D-V (H47) . D2	H1D	H1D.1	H	--	47	H47	L	CVVMCR	30	211122 J24		
03	HIFI FIF5 D-V (H47) . D1	H1D	H1D.1	H	--	47	H47	L	CVVMCR	30	211122 J24		
04	NC												
09	HIFI FIF5 D-V (H47) . DRTN	H1D	H1D.1	H	--	47	H47	L	CVVMCR	30	211122 J24		
07	CABLE SHIELD	SHD		H	--	47	H47	L	CVVMCR	30	211122 J24		
01	CABLE SHIELD	SHD		H	--	48	H48	L	CVVMCR	30	211122 J24		
08	HIFI FIF5 G-V (H48) . G2	H1G	H1G.-	H	--	48	H48	L	CVVMCR	30	211122 J24		
02	HIFI FIF5 G-V (H48) . GRTN	H1G	H1G.-	H	--	48	H48	L	CVVMCR	30	211122 J24		
05	HIFI FIF5 G-V (H48) . G1	H1G	H1G.-	H	--	48	H48	L	CVVMCR	30	211122 J24		

Pin Allocation List (Harness)

Connector: 111100 P51

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 6 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
06	HIFI FIF6 D-V (H49) . D2	H1D	H1D.1	H	--	49	H49	M	CVVMCR	30	211122 J24		
03	HIFI FIF6 D-V (H49) . D1	H1D	H1D.1	H	--	49	H49	M	CVVMCR	30	211122 J24		
04	NC												
09	HIFI FIF6 D-V (H49) . DRTN	H1D	H1D.1	H	--	49	H49	M	CVVMCR	30	211122 J24		
07	CABLE SHIELD	SHD		H		49	H49	M	CVVMCR	30	211122 J24		
01	CABLE SHIELD	SHD		H		50	H50	M	CVVMCR	30	211122 J24		
08	HIFI FIF6 G-V (H50) . G2	H1G	H1G.-	H	--	50	H50	M	CVVMCR	30	211122 J24		
02	HIFI FIF6 G-V (H50) . GRTN	H1G	H1G.-	H	--	50	H50	M	CVVMCR	30	211122 J24		
05	HIFI FIF6 G-V (H50) . G1	H1G	H1G.-	H	--	50	H50	M	CVVMCR	30	211122 J24		

Pin Allocation List (Harness)

Connector: 111100 P52
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 7 Ver
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
06	HIFI FIF7 D-V (H51) . D2	H1D	H1D.1	H	-H51	51	H51	N	25ohm, 10ma	CVVMCR	30	211122 J24		
03	HIFI FIF7 D-V (H51) . D1	H1D	H1D.1	H	-H51	51	H51	N	25ohm, 10ma	CVVMCR	30	211122 J24		
04	NC													
09	HIFI FIF7 D-V (H51) . DRTN	H1D	H1D.1	H	-H51	51	H51	N	25ohm, 20ma	CVVMCR	30	211122 J24		
07	CABLE SHIELD	SHD		H		51	H51	N		CVVMCR	30	211122 J24		
01	CABLE SHIELD	SHD		H		52	H52	N		CVVMCR	30	211122 J24		
08	HIFI FIF7 G-V (H52) . G2	H1G	H1G.-	H	-H52	52	H52	N	1000ohm, 0,001ma	CVVMCR	30	211122 J24		
02	HIFI FIF7 G-V (H52) . GRTN	H1G	H1G.-	H	-H52	52	H52	N	1000ohm, 0,001ma	CVVMCR	30	211122 J24		
05	HIFI FIF7 G-V (H52) . G1	H1G	H1G.-	H	-H52	52	H52	N	1000ohm, 0,001ma	CVVMCR	30	211122 J24		

Pin Allocation List (Harness)

Connector: 111100 P53

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 1 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Grouping:	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal												
02	HIFI SIF D1 -H (H53) . SIF1	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
13	HIFI SIF D1 -H (H53) . SIF2	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
03	HIFI SIF D1 -H (H53) . SIF3	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
14	HIFI SIF D1 -H (H53) . SIF4	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
04	HIFI SIF D1 -H (H53) . SIF5	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
15	HIFI SIF D1 -H (H53) . SIF6	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
05	HIFI SIF D1 -H (H53) . SIF7	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
16	HIFI SIF D1 -H (H53) . TST	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 1ma	CVVMCR	30	211122 J21		
06	HIFI SIF D1 -H (H53) . RTN	H2D	H2D.-	H	-H53	..	53	H53	O	25ohm, 10ma	CVVMCR	30	211122 J21		
01	CABLE SHIELD . SHD	SHD		H		..	53	H53	O		CVVMCR	30	211122 J21		
09	HIFI SIF G1 -H (H54) . GA	H2G	H2G.-	H	-H54	..	54	H54	O	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
19	HIFI SIF G1 -H (H54) . RTNA	H2G	H2G.-	H	-H54	..	54	H54	O	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
10	HIFI SIF G1 -H (H54) . GB	H2G	H2G.-	H	-H54	..	54	H54	O	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
20	HIFI SIF G1 -H (H54) . RTNB	H2G	H2G.-	H	-H54	..	54	H54	O	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
21	CABLE SHIELD . SHD	SHD		H		..	54	H54	O		CVVMCR	30	211122 J21		
17	NC														
07	NC														
18	NC														
08	NC														

Pin Allocation List (Harness)

Connector: 111100 P54

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 2 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
02	HIFI SIF D2 -H (H55) . SIF1	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
13	HIFI SIF D2 -H (H55) . SIF2	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
03	HIFI SIF D2 -H (H55) . SIF3	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
14	HIFI SIF D2 -H (H55) . SIF4	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
04	HIFI SIF D2 -H (H55) . SIF5	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
15	HIFI SIF D2 -H (H55) . SIF6	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
05	HIFI SIF D2 -H (H55) . SIF7	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
16	HIFI SIF D2 -H (H55) . TST	H2D	H2D.- H	-H55	..	55	H55	25ohm, 1ma	CVVMCR	30	211122 J21		
06	HIFI SIF D2 -H (H55) . RTN	H2D	H2D.- H	-H55	..	55	H55	25ohm, 10ma	CVVMCR	30	211122 J21		
01	CABLE SHIELD . SHD	SHD	H		..	55	H55		CVVMCR	30	211122 J21		
09	HIFI SIF G2 -H (H56) . GA	H2G	H2G.- H	-H56	..	56	H56	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
19	HIFI SIF G2 -H (H56) . RTNA	H2G	H2G.- H	-H56	..	56	H56	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
10	HIFI SIF G2 -H (H56) . GB	H2G	H2G.- H	-H56	..	56	H56	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
20	HIFI SIF G2 -H (H56) . RTNB	H2G	H2G.- H	-H56	..	56	H56	1000ohm, 0,001ma	CVVMCR	30	211122 J21		
21	CABLE SHIELD . SHD	SHD	H		..	56	H56		CVVMCR	30	211122 J21		
17	NC												
07	NC												
18	NC												
08	NC												

Pin Allocation List (Harness)

Connector: 111100 P55
Item: HHFPU
EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 3 Hor
Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
02	HIFI SIF D3 -H (H57) . SIF1	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
13	HIFI SIF D3 -H (H57) . SIF2	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
03	HIFI SIF D3 -H (H57) . SIF3	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
14	HIFI SIF D3 -H (H57) . SIF4	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
04	HIFI SIF D3 -H (H57) . SIF5	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
15	HIFI SIF D3 -H (H57) . SIF6	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
05	HIFI SIF D3 -H (H57) . SIF7	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
16	HIFI SIF D3 -H (H57) . TST	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 1ma	CVVMCR	30	211122 J21		
06	HIFI SIF D3 -H (H57) . RTN	H2D	H2D.- H	-H57	..	57	H57	Q 25ohm, 10ma	CVVMCR	30	211122 J21		
01	CABLE SHIELD . SHD	SHD	H		..	57	H57	Q	CVVMCR	30	211122 J21		
09	HIFI SIF G3 -H (H58) . GA	H2G	H2G.- H	-H58	..	58	H58	Q 1000ohm, 0,001ma	CVVMCR	30	211122 J21		
19	HIFI SIF G3 -H (H58) . RTNA	H2G	H2G.- H	-H58	..	58	H58	Q 1000ohm, 0,001ma	CVVMCR	30	211122 J21		
10	HIFI SIF G3 -H (H58) . GB	H2G	H2G.- H	-H58	..	58	H58	Q 1000ohm, 0,001ma	CVVMCR	30	211122 J21		
20	HIFI SIF G3 -H (H58) . RTNB	H2G	H2G.- H	-H58	..	58	H58	Q 1000ohm, 0,001ma	CVVMCR	30	211122 J21		
21	CABLE SHIELD . SHD	SHD	H		..	58	H58	Q	CVVMCR	30	211122 J21		
17	NC												
07	NC												
18	NC												
08	NC												

Pin Allocation List (Harness)

Connector: 111100 P56

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 1 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
02	HIFI SIF D1 -V (H59) . SIF1	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
13	HIFI SIF D1 -V (H59) . SIF2	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
03	HIFI SIF D1 -V (H59) . SIF3	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
14	HIFI SIF D1 -V (H59) . SIF4	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
04	HIFI SIF D1 -V (H59) . SIF5	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
15	HIFI SIF D1 -V (H59) . SIF6	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
05	HIFI SIF D1 -V (H59) . SIF7	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
16	HIFI SIF D1 -V (H59) . SIFTS	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 1ma	CVWUCR	30	211121 J19		
06	HIFI SIF D1 -V (H59) . RTN	H2D	H2D.-	H	-H59	59	H59	R	25ohm, 10ma	CVWUCR	30	211121 J19		
01	CABLE SHIELD . SHD	SHD		H		59	H59	R		CVWUCR	30	211121 J19		
09	HIFI SIF G1 -V (H60) . GA	H2G	H2G.-	H	-H60	60	H60	R	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
19	HIFI SIF G1 -V (H60) . RTNA	H2G	H2G.-	H	-H60	60	H60	R	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
10	HIFI SIF G1 -V (H60) . GB	H2G	H2G.-	H	-H60	60	H60	R	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
20	HIFI SIF G1 -V (H60) . RTNB	H2G	H2G.-	H	-H60	60	H60	R	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
21	CABLE SHIELD . SHD	SHD		H		60	H60	R		CVWUCR	30	211121 J19		
17	NC													
07	NC													
18	NC													
08	NC													

Pin Allocation List (Harness)

Connector: 111100 P57

Item: HHPFU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 2 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
02	HIFI SIF D2 -V (H61) . SIF1	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
13	HIFI SIF D2 -V (H61) . SIF2	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
03	HIFI SIF D2 -V (H61) . SIF3	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
14	HIFI SIF D2 -V (H61) . SIF4	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
04	HIFI SIF D2 -V (H61) . SIF5	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
15	HIFI SIF D2 -V (H61) . SIF6	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
05	HIFI SIF D2 -V (H61) . SIF7	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
16	HIFI SIF D2 -V (H61) . SIFTS	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
06	HIFI SIF D2 -V (H61) . RTN	H2D	H2D.-	H	-H61	61	H61	S	CVVUCR	30	211121 J19		
01	CABLE SHIELD . SHD	SHD		H	-H61	61	H61	S	CVVUCR	30	211121 J19		
09	HIFI SIF G2 -V (H62) . GA	H2G	H2G.-	H	-H62	62	H62	S	CVVUCR	30	211121 J19		
19	HIFI SIF G2 -V (H62) . RTNA	H2G	H2G.-	H	-H62	62	H62	S	CVVUCR	30	211121 J19		
10	HIFI SIF G2 -V (H62) . GB	H2G	H2G.-	H	-H62	62	H62	S	CVVUCR	30	211121 J19		
20	HIFI SIF G2 -V (H62) . RTNB	H2G	H2G.-	H	-H62	62	H62	S	CVVUCR	30	211121 J19		
21	CABLE SHIELD . SHD	SHD		H	-H62	62	H62	S	CVVUCR	30	211121 J19		
17	NC												
07	NC												
18	NC												
08	NC												
.	NC												
.	NC												

Pin Allocation List (Harness)

Connector: 111100 P58

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 3 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
02	HIFI SIF D3-V (H63) . SIF1	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
13	HIFI SIF D3-V (H63) . SIF2	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
03	HIFI SIF D3-V (H63) . SIF3	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
14	HIFI SIF D3-V (H63) . SIF4	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
04	HIFI SIF D3-V (H63) . SIF5	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
15	HIFI SIF D3-V (H63) . SIF6	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
05	HIFI SIF D3-V (H63) . SIF7	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
16	HIFI SIF D3-V (H63) . SIFTS	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 1ma	CVWUCR	30	211121 J19		
06	HIFI SIF D3-V (H63) . RTN	H2D	H2D.-	H	-H63	63	H63	T	25ohm, 10ma	CVWUCR	30	211121 J19		
01	CABLE SHIELD . SHD	SHD		H		63	H63	T		CVWUCR	30	211121 J19		
09	HIFI SIF G3-V (H64) . GA	H2G	H2G.-	H	-H64	64	H64	T	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
19	HIFI SIF G3-V (H64) . RTNA	H2G	H2G.-	H	-H64	64	H64	T	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
10	HIFI SIF G3-V (H64) . GB	H2G	H2G.-	H	-H64	64	H64	T	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
20	HIFI SIF G3-V (H64) . RTNB	H2G	H2G.-	H	-H64	64	H64	T	1000ohm, 0,001ma	CVWUCR	30	211121 J19		
21	CABLE SHIELD . SHD	SHD		H		64	H64	T		CVWUCR	30	211121 J19		
17	NC													
07	NC													
18	NC													
08	NC													
.	NC													
.	NC													

Pin Allocation List (Harness)

Connector: 111100 P59

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Amp. Therm. Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI 2. IF Amp-TS-P (H65) . I	H2S	H2S-	H	..	65	H65	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
16	HIFI 2. IF Amp-TS-P (H65) . IRTN	H2S	H2S-	H	..	65	H65	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
07	HIFI 2. IF Amp-TS-P (H65) . V	H2S	H2S-	H	..	65	H65	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
17	HIFI 2. IF Amp-TS-P (H65) . VRTN	H2S	H2S-	H	..	65	H65	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
05	CABLE SHIELD	SHD		H		65	H65		CVVUCR	30	211121 J17		
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												

Pin Allocation List (Harness)

Connector: 111100 P60

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. Therm. Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	Wiring	Shd	Cable						
06	HIFI 2. IF Amp-TS-R (H66) . I	H2S	H2S.-	H	-H66	-	66	H66	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
16	HIFI 2. IF Amp-TS-R (H66) . IRTN	H2S	H2S.-	H	-H66	-	66	H66	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
07	HIFI 2. IF Amp-TS-R (H66) . V	H2S	H2S.-	H	-H66	-	66	H66	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
17	HIFI 2. IF Amp-TS-R (H66) . VRTN	H2S	H2S.-	H	-H66	-	66	H66	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
05	CABLE SHIELD	SHD		H			66	H66		CVVMCR	30	211122 J25		
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													
-	NC													

Pin Allocation List (Harness)

Connector: 111100 P61

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Chopper Prime
 Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630
 Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
01	HIFI CP-AC-P (H67) . A	HCA	HCA.-	H	-	67	H67	100ohm, 10ma	CVVUCR	30	211121 J17		
12	HIFI CP-AC-P (H67) . RTNA	HCA	HCA.-	H	-	67	H67	100ohm, 10ma	CVVUCR	30	211121 J17		
13	HIFI CP-AC-P (H67) . B	HCA	HCA.-	H	-	67	H67	100ohm, 10ma	CVVUCR	30	211121 J17		
03	HIFI CP-AC-P (H67) . RTN2	HCA	HCA.-	H	-	67	H67	100ohm, 10ma	CVVUCR	30	211121 J17		
02	CABLE SHIELD	SHD		H	-	67	H67		CVVUCR	30	211121 J17		
15	HIFI CP-LT-PY-P(H68) . SIG	HCP	HCP.-	H	-	68	H68	100ohm, 5ma	CVVUCR	30	211121 J17		
16	HIFI CP-LT-PY-P(H68) . RTN	HCP	HCP.-	H	-	68	H68	100ohm, 5ma	CVVUCR	30	211121 J17		
05	CABLE SHIELD	SHD		H	-	68	H68		CVVUCR	30	211121 J17		
07	HIFI CP-LT-SY-P (H69) . A	HCS	HCS.-	H	-	69	H69	1000ohm, 0,02ma	CVVUCR	30	211121 J17		
18	HIFI CP-LT-SY-P (H69) . RTN	HCS	HCS.-	H	-	69	H69	1000ohm, 0,02ma	CVVUCR	30	211121 J17		
08	HIFI CP-LT-SY-P (H69) . B	HCS	HCS.-	H	-	69	H69	1000ohm, 0,02ma	CVVUCR	30	211121 J17		
19	CABLE SHIELD	SHD		H	-	69	H69		CVVUCR	30	211121 J17		
14	NC												
04	NC												
06	NC												
17	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 111100 P62

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Choper Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDML2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	HIFI CP-AC-R (H70) . A	HCA	HCA.-	H	-H70	..	70	H70	100ohm, 10ma	30	211122 J25		
12	HIFI CP-AC-R (H70) . RTNA	HCA	HCA.-	H	-H70	..	70	H70	100ohm, 10ma	30	211122 J25		
13	HIFI CP-AC-R (H70) . B	HCA	HCA.-	H	-H70	..	70	H70	100ohm, 10ma	30	211122 J25		
03	HIFI CP-AC-R (H70) . RTN2	HCA	HCA.-	H	-H70	..	70	H70	100ohm, 10ma	30	211122 J25		
02	CABLE SHIELD	SHD		H		..	70	H70		30	211122 J25		
15	HIFI CP-LT-PY-R (H71) . SIG	HCP	HCP.-	H	-H71	..	71	H71	100ohm, 5ma	30	211122 J25		
16	HIFI CP-LT-PY-R (H71) . RTN	HCP	HCP.-	H	-H71	..	71	H71	100ohm, 5ma	30	211122 J25		
05	CABLE SHIELD	SHD		H		..	71	H71		30	211122 J25		
07	HIFI CP-LT-SY-R (H72) . A	HCS	HCS.-	H	-H72	..	72	72	1000ohm, 0,02ma	30	211122 J25		
18	HIFI CP-LT-SY-R (H72) . RTN	HCS	HCS.-	H	-H72	..	72	H72	1000ohm, 0,02ma	30	211122 J25		
08	HIFI CP-LT-SY-R (H72) . B	HCS	HCS.-	H	-H72	..	72	H72	1000ohm, 0,02ma	30	211122 J25		
19	CABLE SHIELD	SHD		H		..	72	H72		30	211122 J25		
14	NC												
04	NC												
06	NC												
17	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Pin Allocation List (Harness)

Connector: 111100 P63

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Thermistors Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
02	HIFI Therm. S02K P (H73) . I	HT2	HT2.-	H	-	73	H73	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
12	HIFI Therm. S02K P (H73) . IRTN	HT2	HT2.-	H	-	73	H73	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
03	HIFI Therm. S02K P (H73) . V	HT2	HT2.-	H	-	73	H73	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
13	HIFI Therm. S02K P (H73) . VRTN	HT2	HT2.-	H	-	73	H73	1000ohm, 0,01ma	CVVUCR	30	211121 J17		
01	CABLE SHIELD	SHD		H	-	73	H73		CVVUCR	30	211121 J17		
04	HIFI Therm. S04K P (H74) . I	HT4	HT4.-	H	-	74	H74		CVVUCR	30	211121 J17		
15	HIFI Therm. S04K P (H74) . IRTN	HT4	HT4.-	H	-	74	H74		CVVUCR	30	211121 J17		
05	HIFI Therm. S04K P (H74) . V	HT4	HT4.-	H	-	74	H74		CVVUCR	30	211121 J17		
16	HIFI Therm. S04K P (H74) . VRTN	HT4	HT4.-	H	-	74	H74		CVVUCR	30	211121 J17		
14	CABLE SHIELD	SHD		-	-	74	H74		CVVUCR	30	211121 J17		
06	NC												
17	NC												
07	NC												
18	NC												
08	NC												
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Pin Allocation List (Harness)

Connector: 111100 P64

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Thermistors Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
07	HIFI Therm. S10K R (H75) . I	HT1	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
17	HIFI Therm. S10K R (H75) . IRTN	HT1	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
08	HIFI Therm. S10K R (H75) . V	HT1	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
18	HIFI Therm. S10K R (H75) . VRTN	HT1	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
06	CABLE SHIELD	SHD		H	-H75	75	H75	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
02	HIFI Therm. S02K R (H76) . I	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
12	HIFI Therm. S02K R (H76) . IRTN	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
03	HIFI Therm. S02K R (H76) . V	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
13	HIFI Therm. S02K R (H76) . VRTN	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
01	CABLE SHIELD	SHD		-	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
04	HIFI Therm. S04K R (H77) . I	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
15	HIFI Therm. S04K R (H77) . IRTN	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
05	HIFI Therm. S04K R (H77) . V	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
16	HIFI Therm. S04K R (H77) . VRTN	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
14	CABLE SHIELD	SHD		-	-H77	77	H77	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Pin Allocation List (Harness)

Connector: 111100 P65

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Calibrator Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-15P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
01	HIFI CS-HR-TS-P (H79) . I	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	CVWUCR	30	211121 J17		
09	HIFI CS-HR-TS-P (H79) . IRTN	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	CVWUCR	30	211121 J17		
10	HIFI CS-HR-TS-P (H79) . V	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	CVWUCR	30	211121 J17		
03	HIFI CS-HR-TS-P (H79) . VRTN	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	CVWUCR	30	211121 J17		
02	CABLE SHIELD	SHD		H		79	H79		CVWUCR	30	211121 J17		
04	HIFI CS-HT-P (H80) . SIG	HBT	HBT.-	H	-H80	80	H80	200ohm, 3ma	CVWUCR	30	211121 J17		
12	HIFI CS-HT-P (H80) . RTN	HBT	HBT.-	H	-H80	80	H80	200ohm, 3ma	CVWUCR	30	211121 J17		
05	CABLE SHIELD	SHD		H		80	H80		CVWUCR	30	211121 J17		
06	HIFI CS-CR-TS-P (H78) . I	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
14	HIFI CS-CR-TS-P (H78) . IRTN	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
15	HIFI CS-CR-TS-P (H78) . V	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
08	HIFI CS-CR-TS-P (H78) . VRTN	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
07	CABLE SHIELD	SHD		H		78	H78		CVVMCR	30	211122 J25		
11	NC												
13	NC												

Pin Allocation List (Harness)

Connector: 111100 P66

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Calibrator Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-15P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
01	HIFI CS-HR-TS-R (H81) . I	HBH	HBH.-	H		81	H81	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
09	HIFI CS-HR-TS-R (H81) . IRTN	HBH	HBH.-	H		81	H81	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
10	HIFI CS-HR-TS-R (H81) . V	HBH	HBH.-	H		81	H81	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
03	HIFI CS-HR-TS-R (H81) . VRTN	HBH	HBH.-	H		81	H81	1000ohm, 0,01ma	CVVMCR	30	211122 J25		
02	CABLE SHIELD	SHD		H		81	H81		CVVMCR	30	211122 J25		
04	HIFI CS-HT-R (H82) . SIG	HBT	HBT.-	H		82	H82	200ohm, 3ma	CVVMCR	30	211122 J25		
12	HIFI CS-HT-R (H82) . RTN	HBT	HBT.-	H		82	H82	200ohm, 3ma	CVVMCR	30	211122 J25		
05	CABLE SHIELD	SHD		H		82	H82		CVVMCR	30	211122 J25		
11	NC												
13	NC												
06	NC												
14	NC												
07	NC												
15	NC												
08	NC												

Pin Allocation List (Harness)

Connector: 111100 P67

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Diplexer Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
12	HIFI DP3-AC-H (H83) . SIG	HDP	HDP.-	H	-	83	H83	100ohm, 5ma	CVVMCR	30	211122 J22		
02	HIFI DP3-AC-H (H83) . RTN	HDP	HDP.-	H	-	83	H83	100ohm, 5ma	CVVMCR	30	211122 J22		
01	CABLE SHIELD	SHD		H	-	83	H83		CVVMCR	30	211122 J22		
03	HIFI DP4-AC-H (H84) . SIG	HDP	HDP.-	H	-	84	H84	100ohm, 5ma	CVVMCR	30	211122 J22		
14	HIFI DP4-AC-H (H84) . RTN	HDP	HDP.-	H	-	84	H84	100ohm, 5ma	CVVMCR	30	211122 J22		
13	CABLE SHIELD	SHD		H	-	84	H84		CVVMCR	30	211122 J22		
15	HIFI DP5-AC-H (H85) . SIG	HDP	HDP.-	H	-	85	H85	100ohm, 5ma	CVVMCR	30	211122 J22		
05	HIFI DP5-AC-H (H85) . RTN	HDP	HDP.-	H	-	85	H85	100ohm, 5ma	CVVMCR	30	211122 J22		
04	CABLE SHIELD	SHD		H	-	85	H85		CVVMCR	30	211122 J22		
06	HIFI DP6-AC-H (H86) . SIG	HDP	HDP.-	H	-	86	H86	100ohm, 5ma	CVVMCR	30	211122 J22		
17	HIFI DP6-AC-H (H86) . RTN	HDP	HDP.-	H	-	86	H86	100ohm, 5ma	CVVMCR	30	211122 J22		
16	CABLE SHIELD	SHD		H	-	86	H86		CVVMCR	30	211122 J22		
18	HIFI DP7-AC-H (H87) . SIG	HDP	HDP.-	H	-	87	H87	100ohm, 5ma	CVVMCR	30	211122 J22		
08	HIFI DP7-AC-H (H87) . RTN	HDP	HDP.-	H	-	87	H87	100ohm, 5ma	CVVMCR	30	211122 J22		
07	CABLE SHIELD	SHD		H	-	87	H87		CVVMCR	30	211122 J22		
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Pin Allocation List (Harness)

Connector: 111100 P68

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Diplexer Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
12	HIFIDP3-AC-V (H88) . SIG	HDP	HDP.-	H	-H88	--	88	H88	100ohm, 5ma	30	211121 J20		
02	HIFIDP3-AC-V (H88) . RTN	HDP	HDP.-	H	-H88	--	88	H88	100ohm, 5ma	30	211121 J20		
01	CABLE SHIELD	SHD		H			88	H88		30	211121 J20		
03	HIFIDP4-AC-V (H89) . SIG	HDP	HDP.-	H	-H89	--	89	H89	100ohm, 5ma	30	211121 J20		
14	HIFIDP4-AC-V (H89) . RTN	HDP	HDP.-	H	-H89	--	89	H89	100ohm, 5ma	30	211121 J20		
13	CABLE SHIELD	SHD		H			89	H89		30	211121 J20		
15	HIFIDP5-AC-V (H90) . SIG	HDP	HDP.-	H	-H90	--	90	H90	100ohm, 5ma	30	211121 J20		
05	HIFIDP5-AC-V (H90) . RTN	HDP	HDP.-	H	-H90	--	90	H90	100ohm, 5ma	30	211121 J20		
04	CABLE SHIELD	SHD		H			90	H90		30	211121 J20		
06	HIFIDP6-AC-V (H91) . SIG	HDP	HDP.-	H	-H91	--	91	H91	100ohm, 5ma	30	211121 J20		
17	HIFIDP6-AC-V (H91) . RTN	HDP	HDP.-	H	-H91	--	91	H91	100ohm, 5ma	30	211121 J20		
16	CABLE SHIELD	SHD		H			91	H91		30	211121 J20		
18	HIFIDP7-AC-V (H92) . SIG	HDP	HDP.-	H	-H92	--	92	H92	100ohm, 5ma	30	211121 J20		
08	HIFIDP7-AC-V (H92) . RTN	HDP	HDP.-	H	-H92	--	92	H92	100ohm, 5ma	30	211121 J20		
07	CABLE SHIELD	SHD		H			92	H92		30	211121 J20		
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-57 (of 93)

Connector: 112300 P01

Item: HHFCU

EMC-Category: 2W/SigHa on SVM Panels

Function: HIFI FCU ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-25S-NMB-FO

Backshell: TBD

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Snd	Cable Twist						
01	NC												
02	NC												
03	NC												
04	NC												
05	NC												
06	NC												
07	NC												
08	NC												
09	NC												
10	NC												
11	NC												
12	NC												
13	NC												
14	NC												
15	NC												
16	NC												
17	NC												
18	NC												
19	NC												
20	NC												
21	NC												
22	NC												
23	NC												
24	NC												
25	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-58 (of 93)

Connector: 112300 P02

Item: HHFCU

EMC-Category: 2W/SigHa on SVM Panels

Function: HIFI FCU ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DAMA-15S-NMB-FO

Backshell: TBD

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Snd	Cable Twist						
01	NC												
02	NC												
03	NC												
04	NC												
05	NC												
06	NC												
07	NC												
08	NC												
09	NC												
10	NC												
11	NC												
12	NC												
13	NC												
14	NC												
15	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-60 (of 93)

Connector: 112300 P04

Item: HHFCU

EMC-Category: 2W/SigHa on SVM Panels

Function: HIFI FCU ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DAMA-15S-NMB-FO

Backshell: TBD

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

Pin Allocation List (Harness)

Connector: 112300 P11

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Mixer bias Hor.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44S-NMB-FO+Glen 5

Backshell: TBC

Note: Signals of different EMC classes are routed via this Connector

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
01	CABLE SHIELD . SHD	SHD	H			1	H01	shield	HHSVMCB1	25	311100 P01		
32	HIFI MX1-H (H01) . B	HMX	H	-H01		1	H01	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
03	HIFI MX1-H (H01) . BRTN	HMX	H	-H01		1	H01	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
02	HIFI MX1-H (H01) . VM	HMX	H	-H01		1	H01	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
18	HIFI MX1-H (H01) . VMRTN	HMX	H	-H01		1	H01	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
33	HIFI MX1-H (H01) . IM	HMX	H	-H01		1	H01	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
17	CABLE SHIELD . SHD	SHD	H			2	H02	shield	HHSVMCB1	25	311100 P01		
19	HIFI MX2-H (H02) . B	HMX	H	-H02		2	H02	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
35	HIFI MX2-H (H02) . BRTN	HMX	H	-H02		2	H02	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
34	HIFI MX2-H (H02) . VM	HMX	H	-H02		2	H02	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
04	HIFI MX2-H (H02) . VMRTN	HMX	H	-H02		2	H02	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
20	HIFI MX2-H (H02) . IM	HMX	H	-H02		2	H02	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
31	CABLE SHIELD . SHD	SHD	H			3	H03	shield	HHSVMCB1	25	311100 P01		
05	HIFI MX3-H (H03) . B	HMX	H	-H03		3	H03	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
22	HIFI MX3-H (H03) . BRTN	HMX	H	-H03		3	H03	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
21	HIFI MX3-H (H03) . VM	HMX	H	-H03		3	H03	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
36	HIFI MX3-H (H03) . VMRTN	HMX	H	-H03		3	H03	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
06	HIFI MX3-H (H03) . IM	HMX	H	-H03		3	H03	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
14	CABLE SHIELD . SHD	SHD	H			4	H04	shield	HHSVMCB1	25	311100 P01		
37	HIFI MX4-H (H04) . B	HMX	H	-H04		4	H04	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
08	HIFI MX4-H (H04) . BRTN	HMX	H	-H04		4	H04	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
07	HIFI MX4-H (H04) . VM	HMX	H	-H04		4	H04	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
23	HIFI MX4-H (H04) . VMRTN	HMX	H	-H04		4	H04	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
38	HIFI MX4-H (H04) . IM	HMX	H	-H04		4	H04	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
44	CABLE SHIELD . SHD	SHD	H			5	H05	shield	HHSVMCB1	25	311100 P01		
24	HIFI MX5-H (H05) . B	HMX	H	-H05		5	H05	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
40	HIFI MX5-H (H05) . BRTN	HMX	H	-H05		5	H05	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
39	HIFI MX5-H (H05) . VM	HMX	H	-H05		5	H05	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
09	HIFI MX5-H (H05) . VMRTN	HMX	H	-H05		5	H05	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
25	HIFI MX5-H (H05) . IM	HMX	H	-H05		5	H05	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
29	CABLE SHIELD . SHD	SHD	H			6	H06	shield	HHSVMCB1	25	311100 P01		
10	HIFI MX6-H (H06) . B	HMX	H	-H06		6	H06	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
27	HIFI MX6-H (H06) . BRTN	HMX	H	-H06		6	H06	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
26	HIFI MX6-H (H06) . VM	HMX	H	-H06		6	H06	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
41	HIFI MX6-H (H06) . VMRTN	HMX	H	-H06		6	H06	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
11	HIFI MX6-H (H06) . IM	HMX	H	-H06		6	H06	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
30	CABLE SHIELD . SHD	SHD	H			7	H07	shield	HHSVMCB1	25	311100 P01		
42	HIFI MX7-H (H07) . B	HMX	H	-H07		7	H07	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
13	HIFI MX7-H (H07) . BRTN	HMX	H	-H07		7	H07	1000ohm, 2ma	HHSVMCB1	25	311100 P01		
12	HIFI MX7-H (H07) . VM	HMX	H	-H07		7	H07	1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-62 (of 93)

Connector: 112300 P11

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Mixer bias Hor.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DBMA-44S-NMB-FO+Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
28	HIFI MX7-H (H07) . VMRTN	HMX	HMX.- H	-H07		7	H07		1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
43	HIFI MX7-H (H07) . IM	HMX	HMX.- H	-H07		7	H07		1000ohm, 0,001ma	HHSVMCB1	25	311100 P01		
15	NC													
16	NC													

Pin Allocation List (Harness)

Connector: 112300 P12
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Magnets & Heaters Hor.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-37S-NMB-FO+ Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Snd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
03	HIFIMGHT1-H (H15) . HT	HMH	HMH.- H	-H15	..	15	H15	100ohm, 10ma	HHSVMCB1	25	311100 P03		
05	HIFIMGHT1-H (H15) . HTRTN	HMH	HMH.- H	-H15	..	15	H15	100ohm, 5ma	HHSVMCB1	25	311100 P03		
12	HIFIMGHT1-H (H15) . MG	HMH	HMH.- H	-H15	..	15	H15	100ohm, 15ma	HHSVMCB1	25	311100 P03		
13	HIFIMGHT1-H (H15) . MGRTN	HMH	HMH.- H	-H15	..	15	H15	100ohm, 7.5ma	HHSVMCB1	25	311100 P03		
02	CABLE SHIELD	SHD			..	15	H15	con. to 11,30,18 via junct.	HHSVMCB1	25	311100 P03		
04	HIFIMGHT2-H (H16) . HT	HMH	HMH.- H	-H16	..	16	H16	100ohm, 10ma	HHSVMCB1	25	311100 P03		
05	HIFIMGHT2-H (H16) . HTRTN	HMH	HMH.- H	-H16	..	16	H16	100ohm, 15ma	HHSVMCB1	25	311100 P03		
14	HIFIMGHT2-H (H16) . MG	HMH	HMH.- H	-H16	..	16	H16	100ohm, 7.5ma	HHSVMCB1	25	311100 P03		
13	HIFIMGHT2-H (H16) . MGRTN	HMH	HMH.- H	-H16	..	16	H16	100ohm, 10ma	HHSVMCB1	25	311100 P03		
02	CABLE SHIELD	SHD			..	16	H16		HHSVMCB1	25	311100 P03		
06	HIFIMGHT3-H (H17) . HT	HMH	HMH.- H	-H17	..	17	H17	100ohm, 10ma	HHSVMCB1	25	311100 P03		
05	HIFIMGHT3-H (H17) . HTRTN	HMH	HMH.- H	-H17	..	17	H17	100ohm, 10ma	HHSVMCB1	25	311100 P03		
15	HIFIMGHT3-H (H17) . MG	HMH	HMH.- H	-H17	..	17	H17	100ohm, 15ma	HHSVMCB1	25	311100 P03		
13	HIFIMGHT3-H (H17) . MGRTN	HMH	HMH.- H	-H17	..	17	H17	100ohm, 15ma	HHSVMCB1	25	311100 P03		
02	CABLE SHIELD	SHD			..	17	H17		HHSVMCB1	25	311100 P03		
07	HIFIMGHT4-H (H18) . HT	HMH	HMH.- H	-H18	..	18	H18	100ohm, 10ma	HHSVMCB1	25	311100 P03		
27	HIFIMGHT4-H (H18) . HTRTN	HMH	HMH.- H	-H18	..	18	H18	100ohm, 10ma	HHSVMCB1	25	311100 P03		
34	HIFIMGHT4-H (H18) . MG	HMH	HMH.- H	-H18	..	18	H18	100ohm, 15ma	HHSVMCB1	25	311100 P03		
35	HIFIMGHT4-H (H18) . MGRTN	HMH	HMH.- H	-H18	..	18	H18	100ohm, 15ma	HHSVMCB1	25	311100 P03		
11	CABLE SHIELD	SHD			..	18	H18		HHSVMCB1	25	311100 P03		
08	HIFIMGHT5-H (H19) . HT	HMH	HMH.- H	-H19	..	19	H19	100ohm,10ma	HHSVMCB1	25	311100 P03		
27	HIFIMGHT5-H (H19) . HTRTN	HMH	HMH.- H	-H19	..	19	H19	100ohm,10ma	HHSVMCB1	25	311100 P03		
17	HIFIMGHT5-H (H19) . MG	HMH	HMH.- H	-H19	..	19	H19	100ohm, 15ma	HHSVMCB1	25	311100 P03		
35	HIFIMGHT5-H (H19) . MGRTN	HMH	HMH.- H	-H19	..	19	H19	con. to 02,30,18 via junct.	HHSVMCB1	25	311100 P03		
11	CABLE SHIELD	SHD			..	19	H19		HHSVMCB1	25	311100 P03		
01	NC												
20	NC												
21	NC												
22	NC												
23	NC												
24	NC												
25	NC												
26	NC												
25	NC												
09	NC												
28	NC												
10	NC												
29	NC												
31	NC												
32	NC												
33	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-64 (of 93)

Connector: 112300 P12

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Magnets & Heaters Hor.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DCMA-37S-NMB-FO+ Glen 5
Backshell: TBC

Note: Signals of different EMC classes are routed via this Connector Grouping:

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Snd Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal									
36	NC											
37	NC											
19	NC											
CH	Case =Overallshield											

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01 Date: 15.05.2002

Sheet: PAL-65 (of 93)

Connector: 112300 P14

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 1. IF Ampl. Hor.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DBMA-44P-NMB-FO+ Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
17	HIFI FIF1 D -H (H25) . D1	H1D	H1D-	H	-H25	25	H25	25ohm, 10ma	HHSVMCB1	25	311100 P05		
23	HIFI FIF1 D -H (H25) . DRTN	H1D	H1D-	H	-H25	25	H25	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
38	HIFI FIF1 D -H (H25) . D2	H1D	H1D-	H	-H25	25	H25	25ohm, 10ma	HHSVMCB1	25	311100 P05		
03	HIFI FIF1 D -H (H25) . TST	H1D	H1D-	H	-H25	25	H25	25ohm, 1ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		25	H25	splice 7:1	HHSVMCB1	25	311100 P05		
06	HIFI FIF1 G -H (H26) . G1	H1G	H1G-	H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF1 G -H (H26) . GRTN	H1G	H1G-	H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
28	HIFI FIF1 G -H (H26) . G2	H1G	H1G-	H	-H26	26	H26	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		26	H26	splice 7:1	HHSVMCB1	25	311100 P05		
02	HIFI FIF2 D -H (H27) . D1	H1D	H1D.1	H	-H27	27	H27	25ohm, 10ma	HHSVMCB1	25	311100 P05		
23	HIFI FIF2 D -H (H27) . DRTN	H1D	H1D.1	H	-H27	27	H27	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
24	HIFI FIF2 D -H (H27) . D2	H1D	H1D.1	H	-H27	27	H27	25ohm, 10ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		27	H27	splice 7:1	HHSVMCB1	25	311100 P05		
06	HIFI FIF2 G -H (H28) . G1	H1G	H1G-	H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF2 G -H (H28) . GRTN	H1G	H1G-	H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
28	HIFI FIF2 G -H (H28) . G2	H1G	H1G-	H	-H28	28	H28	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		28	H28	splice 7:1	HHSVMCB1	25	311100 P05		
33	HIFI FIF3 D -H (H29) . D1	H1D	H1D.1	H	-H29	29	H29	25ohm, 10ma	HHSVMCB1	25	311100 P05		
23	HIFI FIF3 D -H (H29) . DRTN	H1D	H1D.1	H	-H29	29	H29	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
09	HIFI FIF3 D -H (H29) . D2	H1D	H1D.1	H	-H29	29	H29	25ohm, 10ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		29	H29	splice 7:1	HHSVMCB1	25	311100 P05		
06	HIFI FIF3 G -H (H30) . G1	H1G	H1G-	H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF3 G -H (H30) . GRTN	H1G	H1G-	H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
28	HIFI FIF3 G -H (H30) . G2	H1G	H1G-	H	-H30	30	H30	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		30	H30	splice 7:1	HHSVMCB1	25	311100 P05		
19	HIFI FIF4 D -H (H31) . D1	H1D	H1D-	H	-H31	31	H31	25ohm, 10ma	HHSVMCB1	25	311100 P05		
23	HIFI FIF4 D -H (H31) . DRTN	H1D	H1D-	H	-H31	31	H31	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
40	HIFI FIF4 D -H (H31) . D2	H1D	H1D-	H	-H31	31	H31	25ohm, 10ma	HHSVMCB1	25	311100 P05		
10	HIFI FIF4 D -H (H31) . TST	H1D	H1D-	H	-H31	31	H31	25ohm, 1ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		31	H31	splice 7:1	HHSVMCB1	25	311100 P05		
06	HIFI FIF4 G -H (H32) . G1	H1G	H1G-	H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF4 G -H (H32) . GRTN	H1G	H1G-	H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
28	HIFI FIF4 G -H (H32) . G2	H1G	H1G-	H	-H32	32	H32	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		32	H32	splice 7:1	HHSVMCB1	25	311100 P05		
04	HIFI FIF5 D -H (H33) . D1	H1D	H1D.1	H	-H33	33	H33	25ohm, 10ma	HHSVMCB1	25	311100 P05		
44	HIFI FIF5 D -H (H33) . DRTN	H1D	H1D.1	H	-H33	33	H33	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
26	HIFI FIF5 D -H (H33) . D2	H1D	H1D.1	H	-H33	33	H33	25ohm, 10ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD		H		33	H33	splice 7:1	HHSVMCB1	25	311100 P05		
22	HIFI FIF5 G -H (H34) . G1	H1G	H1G-	H	-H34	34	H34	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF5 G -H (H34) . GRTN	H1G	H1G-	H	-H34	34	H34	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		

Pin Allocation List (Harness)

Connector: 112300 P14
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 1. IF Ampl. Hor.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector
Grouping:

Conn.-Type: DBMA-44P-NMB-FO+ Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal									
43	HIFI FIF5 G -H (H34) . G2	H1G	H1G.- H	-H34	-	34 H34	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD	H			34 H34	splice 7:1	HHSVMCB1	25	311100 P05		
35	HIFI FIF6 D -H (H35) . D1	H1D	H1D.1 H	-H35	-	35 H35	25ohm, 10ma	HHSVMCB1	25	311100 P05		
44	HIFI FIF6 D -H (H35) . DRTN	H1D	H1D.1 H	-H35	-	35 H35	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
11	HIFI FIF6 D -H (H35) . D2	H1D	H1D.1 H	-H35	-	35 H35	25ohm, 10ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD	H			35 H35	splice 7:1	HHSVMCB1	25	311100 P05		
22	HIFI FIF6 G -H (H36) . G1	H1G	H1G.- H	-H36	-	36 H36	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF6 G -H (H36) . GRTN	H1G	H1G.- H	-H36	-	36 H36	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
43	HIFI FIF6 G -H (H36) . G2	H1G	H1G.- H	-H36	-	36 H36	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD	H			36 H36	splice 7:1	HHSVMCB1	25	311100 P05		
21	HIFI FIF7 D -H (H37) . D1	H1D	H1D.1 H	-H37	-	37 H37	25ohm, 10ma	HHSVMCB1	25	311100 P05		
44	HIFI FIF7 D -H (H37) . DRTN	H1D	H1D.1 H	-H37	-	37 H37	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P05		
42	HIFI FIF7 D -H (H37) . D2	H1D	H1D.1 H	-H37	-	37 H37	25ohm, 10ma	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD	H			37 H37	splice 7:1	HHSVMCB1	25	311100 P05		
22	HIFI FIF7 G -H (H38) . G1	H1G	H1G.- H	-H38	-	38 H38	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	HIFI FIF7 G -H (H38) . GRTN	H1G	H1G.- H	-H38	-	38 H38	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
43	HIFI FIF7 G -H (H38) . G2	H1G	H1G.- H	-H38	-	38 H38	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P05		
-	CABLE SHIELD	SHD	H			38 H38		HHSVMCB1	25	311100 P05		
16	NC											
32	NC											
18	NC											
34	NC											
20	NC											
05	NC											
36	NC											
08	NC											
39	NC											
25	NC											
41	NC											
27	NC											
12	NC											
15	NC											
CH	Overall Shd											

Pin Allocation List (Harness)

Connector: 112300 P15
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 2. IF Ampl. Hor.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
01	HIFI SIF D1 -H (H53) . SIF1	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
44	HIFI SIF D1 -H (H53) . SIF2	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
24	HIFI SIF D1 -H (H53) . SIF3	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
03	HIFI SIF D1 -H (H53) . SIF4	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
46	HIFI SIF D1 -H (H53) . SIF5	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
26	HIFI SIF D1 -H (H53) . SIF6	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
05	HIFI SIF D1 -H (H53) . SIF7	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
23	HIFI SIF D1 -H (H53) . TST	H2D	H2D.- H	-H53	-	53	H53	25ohm, 1ma	HHSVMCB2	26	311200 P07		
07	HIFI SIF D1 -H (H53) . RTN	H2D	H2D.- H	-H53	-	53	H53	25ohm, 10ma	HHSVMCB2	26	311200 P07		
43	CABLE SHIELD	SHD	H		-	53	H53		HHSVMCB2	26	311200 P07		
06	HIFI SIF G1 -H (H54) . GA	H2G	H2G.- H	-H54	-	54	H54	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
28	HIFI SIF G1 -H (H54) . RTNA	H2G	H2G.- H	-H54	-	54	H54	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
48	HIFI SIF G1 -H (H54) . GB	H2G	H2G.- H	-H54	-	54	H54	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
49	HIFI SIF G1 -H (H54) . RTNB	H2G	H2G.- H	-H54	-	54	H54	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
22	CABLE SHIELD	SHD	-		-	54	H54		HHSVMCB2	26	311200 P07		
50	HIFI SIF D2 -H (H55) . SIF1	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
30	HIFI SIF D2 -H (H55) . SIF2	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
09	HIFI SIF D2 -H (H55) . SIF3	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
52	HIFI SIF D2 -H (H55) . SIF4	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
32	HIFI SIF D2 -H (H55) . SIF5	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
11	HIFI SIF D2 -H (H55) . SIF6	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
54	HIFI SIF D2 -H (H55) . SIF7	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
08	HIFI SIF D2 -H (H55) . TST	H2D	H2D.- H	-H55	-	55	H55	25ohm, 1ma	HHSVMCB2	26	311200 P07		
56	HIFI SIF D2 -H (H55) . RTN	H2D	H2D.- H	-H55	-	55	H55	25ohm, 10ma	HHSVMCB2	26	311200 P07		
29	CABLE SHIELD	SHD	H		-	55	H55		HHSVMCB2	26	311200 P07		
34	HIFI SIF G2 -H (H56) . GA	H2G	H2G.- H	-H56	-	56	H56	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
13	HIFI SIF G2 -H (H56) . RTNA	H2G	H2G.- H	-H56	-	56	H56	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
55	HIFI SIF G2 -H (H56) . GB	H2G	H2G.- H	-H56	-	56	H56	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
35	HIFI SIF G2 -H (H56) . RTNB	H2G	H2G.- H	-H56	-	56	H56	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
12	CABLE SHIELD	SHD	H		-	56	H56		HHSVMCB2	26	311200 P07		
36	HIFI SIF D3 -H (H57) . SIF1	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
15	HIFI SIF D3 -H (H57) . SIF2	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
58	HIFI SIF D3 -H (H57) . SIF3	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
38	HIFI SIF D3 -H (H57) . SIF4	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
17	HIFI SIF D3 -H (H57) . SIF5	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
60	HIFI SIF D3 -H (H57) . SIF6	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
40	HIFI SIF D3 -H (H57) . SIF7	H2D	H2D.- H	-H57	-	57	H57	25ohm, 1ma	HHSVMCB2	26	311200 P07		
57	HIFI SIF D3 -H (H57) . TST	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
42	HIFI SIF D3 -H (H57) . RTN	H2D	H2D.- H	-H57	-	57	H57	25ohm, 10ma	HHSVMCB2	26	311200 P07		
14	CABLE SHIELD	SHD	H		-	57	H57		HHSVMCB2	26	311200 P07		

Pin Allocation List (Harness)

Connector: 112300 P15
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 2. IF Ampl. Hor.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
19	HIFI SIF G3-H (H58) . GA	H2G	H2G.-	H	..	58	H58	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
20	HIFI SIF G3-H (H58) . RTNA	H2G	H2G.-	H	..	58	H58	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
41	HIFI SIF G3-H (H58) . GB	H2G	H2G.-	H	..	58	H58	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
62	HIFI SIF G3-H (H58) . RTNB	H2G	H2G.-	H	..	58	H58	1000ohm, 0,001ma	HHSVMCB2	26	311200 P07		
21	CABLE SHIELD	SHD		H		58	H58		HHSVMCB2	26	311200 P07		
02	NC												
45	NC												
25	NC												
04	NC												
47	NC												
27	NC												
51	NC												
31	NC												
10	NC												
53	NC												
33	NC												
37	NC												
16	NC												
59	NC												
39	NC												
18	NC												
61	NC												
CH	Overall Shd												

Pin Allocation List (Harness)

Connector: 112300 P16
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Chop. Cal. Therm. Main.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62S-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Snd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
23	HIFI CP-AC-P (H67) . A	HCA	HCA.-	H	-H67	67	H67	100 ohm, 10ma	HHSVMCB2	26	311200 P09		
02	HIFI CP-AC-P (H67) . ARTN	HCA	HCA.-	H	-H67	67	H67	100ohm, 10ma	HHSVMCB2	26	311200 P09		
44	HIFI CP-AC-P (H67) . B	HCA	HCA.-	H	-H67	67	H67	100ohm, 10ma	HHSVMCB2	26	311200 P09		
24	HIFI CP-AC-P (H67) . BRTN	HCA	HCA.-	H	-H67	67	H67	100ohm, 10ma	HHSVMCB2	26	311200 P09		
01	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
25	HIFI CP-LT-SY-P (H69) . B	HCS	HCS.-	H	-H69	69	H69	1000ohm, 0,02ma	HHSVMCB2	26	311200 P09		
04	HIFI CP-LT-SY-P (H69) . RTN	HCS	HCS.-	H	-H69	69	H69	1000ohm, 0,02ma	HHSVMCB2	26	311200 P09		
46	HIFI CP-LT-SY-P (H69) . A	HCS	HCS.-	H	-H69	69	H69	1000ohm, 0,02ma	HHSVMCB2	26	311200 P09		
26	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
05	HIFI CP-LT-PY-P (H68) . SIG	HCP	HCP.-	H	-H68	68	H68	100ohm, 5ma	HHSVMCB2	26	311200 P09		
06	HIFI CP-LT-PY-P (H68) . RTN	HCP	HCP.-	H	-H68	68	H68	100ohm, 5ma	HHSVMCB2	26	311200 P09		
28	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
07	HIFI CS-HR-TS-P (H79) . I	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
08	HIFI CS-HR-TS-P (H79) . IRTN	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
29	HIFI CS-HR-TS-P (H79) . V	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
50	HIFI CS-HR-TS-P (H79) . VRTN	HBH	HBH.-	H	-H79	79	H79	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
49	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
30	HIFI CS-CR-TS-P (H78) . I	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
31	HIFI CS-CR-TS-P (H78) . IRTN	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
51	HIFI CS-CR-TS-P (H78) . V	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
09	HIFI CS-CR-TS-P (H78) . VRTN	HBC	HBC.-	H	-H78	78	H78	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
11	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P10		
52	HIFI Therm. S02K P (H73) . I	HT2	HT2.-	H	-H73	73	H73	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
53	HIFI Therm. S02K P (H73) . IRTN	HT2	HT2.-	H	-H73	73	H73	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
10	HIFI Therm. S02K P (H73) . V	HT2	HT2.-	H	-H73	73	H73	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
32	HIFI Therm. S02K P (H73) . VRTN	HT2	HT2.-	H	-H73	73	H73	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
33	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
54	HIFI CS-HT-P (H80) . SIG	HBT	HBT.-	H	-H80	80	H80	200ohm, 3ma	HHSVMCB2	26	311200 P09		
12	HIFI CS-HT-P (H80) . RTN	HBT	HBT.-	H	-H80	80	H80	200ohm, 3ma	HHSVMCB2	26	311200 P09		
34	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
13	HIFI Therm. S04K P (H74) . V	HT4	HT4.-	H	-H74	74	H74	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
35	HIFI Therm. S04K P (H74) . VRTN	HT4	HT4.-	H	-H74	74	H74	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
14	HIFI Therm. S04K P (H74) . I	HT4	HT4.-	H	-H74	74	H74	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
56	HIFI Therm. S04K P (H74) . IRTN	HT4	HT4.-	H	-H74	74	H74	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
55	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		
57	HIFI 2. IF Amp-TS-P (H65) . I	H2S	H2S.-	H	-H65	65	H65	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
37	HIFI 2. IF Amp-TS-P (H65) . IRTN	H2S	H2S.-	H	-H65	65	H65	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
15	HIFI 2. IF Amp-TS-P (H65) . V	H2S	H2S.-	H	-H65	65	H65	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
58	HIFI 2. IF Amp-TS-P (H65) . VRTN	H2S	H2S.-	H	-H65	65	H65	1000ohm, 0,01ma	HHSVMCB2	26	311200 P09		
36	CABLE SHIELD	SHD		H					HHSVMCB2	26	311200 P09		

Astrium GmbH

Project: HERSCHEL

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 P16

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Chop. Cal. Therm. Main.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62S-NMB-FO+Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
22	NC													
43	NC													
03	NC													
45	NC													
47	NC													
27	NC													
48	NC													
16	NC													
38	NC													
17	NC													
59	NC													
39	NC													
18	NC													
60	NC													
40	NC													
19	NC													
61	NC													
41	NC													
20	NC													
62	NC													
42	NC													
21	NC													

Pin Allocation List (Harness)

Connector: 112300 P17
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Diplexer Hor.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DAMA-15P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
02	HIFIDP3-AC-H (H83) . SIG	HDP	HDP.- H	-H83	-	83	H83	100ohm, 5ma	HHSVMCB2	26	311200 P11		
10	HIFIDP3-AC-H (H83) . ACRTN	HDP	HDP.- H	-H83	-	83	H83	100ohm, 2,5ma con with 15 via junc	HHSVMCB2	26	311200 P11		
01	CABLE SHIELD	SHD	H			83	H83		HHSVMCB2	26	311200 P11		
03	HIFIDP4-AC-H (H84) . SIG	HDP	HDP.- H	-H84	-	84	H84	100ohm, 5ma	HHSVMCB2	26	311200 P11		
10	HIFIDP4-AC-H (H84) . ACRTN	HDP	HDP.- H	-H84	-	84	H84	100ohm, 2,5ma con with 15 via junc	HHSVMCB2	26	311200 P11		
01	CABLE SHIELD	SHD	H			84	H84		HHSVMCB2	26	311200 P11		
04	HIFIDP5-AC-H (H85) . SIG	HDP	HDP.- H	-H85	-	85	H85	100ohm, 5ma	HHSVMCB2	26	311200 P11		
10	HIFIDP5-AC-H (H85) . ACRTN	HDP	HDP.- H	-H85	-	85	H85	100ohm, 2,5ma con with 15 via junc	HHSVMCB2	26	311200 P11		
01	CABLE SHIELD	SHD	H			85	H85		HHSVMCB2	26	311200 P11		
05	HIFIDP6-AC-H (H86) . SIG	HDP	HDP.- H	-H86	-	86	H86	100ohm, 5ma	HHSVMCB2	26	311200 P11		
06	HIFIDP6-AC-H (H86) . ACRTN	HDP	HDP.- H	-H86	-	86	H86	100ohm, 2,5ma con with 01 via junc	HHSVMCB2	26	311200 P11		
15	CABLE SHIELD	SHD	H			86	H86		HHSVMCB2	26	311200 P11		
07	HIFIDP7-AC-H (H87) . SIG	HDP	HDP.- H	-H87	-	87	H87	100ohm, 5ma	HHSVMCB2	26	311200 P11		
06	HIFIDP7-AC-H (H87) . ACRTN	HDP	HDP.- H	-H87	-	87	H87	100ohm, 2,5ma con with 01 via junc	HHSVMCB2	26	311200 P11		
15	CABLE SHIELD	SHD	H			87	H87		HHSVMCB2	26	311200 P11		
09	NC												
11	NC												
12	NC												
13	NC												
14	NC												
08	NC												
CH	Con. Case = Overall Shd												

Pin Allocation List (Harness)

Connector: 112300 P21

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Mixer bias Ver.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DBMA-44S-NMB-FO+Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Std						
01	CABLE SHIELD . SHD	SHD	H			8	H08	shield	HHSVMCB1	25	311100 P02		
32	HIFI MX1-V (H08) . B	HMX	HMX.- H	-H08	--	8	H08	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
03	HIFI MX1-V (H08) . BRTN	HMX	HMX.- H	-H08	--	8	H08	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
02	HIFI MX1-V (H08) . VM	HMX	HMX.- H	-H08	--	8	H08	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
18	HIFI MX1-V (H08) . VMRTN	HMX	HMX.- H	-H08	--	8	H08	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
33	HIFI MX1-V (H08) . IM	HMX	HMX.- H	-H08	--	8	H08	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
17	CABLE SHIELD . SHD	SHD	H			9	H09	shield	HHSVMCB1	25	311100 P02		
19	HIFI MX2-V (H09) . B	HMX	HMX.- H	-H09	--	9	H09	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
35	HIFI MX2-V (H09) . BRTN	HMX	HMX.- H	-H09	--	9	H09	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
34	HIFI MX2-V (H09) . VM	HMX	HMX.- H	-H09	--	9	H09	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
04	HIFI MX2-V (H09) . VMRTN	HMX	HMX.- H	-H09	--	9	H09	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
20	HIFI MX2-V (H09) . IM	HMX	HMX.- H	-H09	--	9	H09	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
31	CABLE SHIELD . SHD	SHD	H			10	H10	shield	HHSVMCB1	25	311100 P02		
05	HIFI MX3-V (H10) . B	HMX	HMX.- H	-H10	--	10	H10	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
22	HIFI MX3-V (H10) . BRTN	HMX	HMX.- H	-H10	--	10	H10	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
21	HIFI MX3-V (H10) . VM	HMX	HMX.- H	-H10	--	10	H10	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
36	HIFI MX3-V (H10) . VMRTN	HMX	HMX.- H	-H10	--	10	H10	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
06	HIFI MX3-V (H10) . IM	HMX	HMX.- H	-H10	--	10	H10	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
14	CABLE SHIELD . SHD	SHD	H			11	H11	shield	HHSVMCB1	25	311100 P02		
37	HIFI MX4-V (H11) . B	HMX	HMX.- H	-H11	--	11	H11	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
08	HIFI MX4-V (H11) . BRTN	HMX	HMX.- H	-H11	--	11	H11	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
07	HIFI MX4-V (H11) . VM	HMX	HMX.- H	-H11	--	11	H11	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
23	HIFI MX4-V (H11) . VMRTN	HMX	HMX.- H	-H11	--	11	H11	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
38	HIFI MX4-V (H11) . IM	HMX	HMX.- H	-H11	--	11	H11	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
44	CABLE SHIELD . SHD	SHD	H			12	H12	shield	HHSVMCB1	25	311100 P02		
24	HIFI MX5-V (H12) . B	HMX	HMX.- H	-H12	--	12	H12	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
40	HIFI MX5-V (H12) . BRTN	HMX	HMX.- H	-H12	--	12	H12	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
39	HIFI MX5-V (H12) . VM	HMX	HMX.- H	-H12	--	12	H12	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
09	HIFI MX5-V (H12) . VMRTN	HMX	HMX.- H	-H12	--	12	H12	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
25	HIFI MX5-V (H12) . IM	HMX	HMX.- H	-H12	--	12	H12	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
29	CABLE SHIELD . SHD	SHD	H			13	H13	shield	HHSVMCB1	25	311100 P02		
10	HIFI MX6-V (H13) . B	HMX	HMX.- H	-H13	--	13	H13	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
27	HIFI MX6-V (H13) . BRTN	HMX	HMX.- H	-H13	--	13	H13	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
26	HIFI MX6-V (H13) . VM	HMX	HMX.- H	-H13	--	13	H13	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
41	HIFI MX6-V (H13) . VMRTN	HMX	HMX.- H	-H13	--	13	H13	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
11	HIFI MX6-V (H13) . IM	HMX	HMX.- H	-H13	--	13	H13	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
30	CABLE SHIELD . SHD	SHD	H			14	H14	shield	HHSVMCB1	25	311100 P02		
42	HIFI MX7-V (H14) . B	HMX	HMX.- H	-H14	--	14	H14	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
13	HIFI MX7-V (H14) . BRTN	HMX	HMX.- H	-H14	--	14	H14	1000ohm, 2ma	HHSVMCB1	25	311100 P02		
12	HIFI MX7-V (H14) . VM	HMX	HMX.- H	-H14	--	14	H14	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-73 (of 93)

Connector: 112300 P21

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Mixer bias Ver.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DBMA-44S-NMB-FO+Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
28	HIFI MX7-V (H14) . VMRTN	HMX	HMX.- H	-H14	..	14	H14	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
43	HIFI MX7-V (H14) . IM	HMX	HMX.- H	-H14	..	14	H14	1000ohm, 0,001ma	HHSVMCB1	25	311100 P02		
15	NC												
16	NC												

Pin Allocation List (Harness)

Connector: 112300 P22
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Magnets & Heaters Ver.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-37S-NMB-FO+ Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
03	HIF1MGHT1-V (H20) . HT	HMH	HMH.-	H	-H20	20	H20	100ohm, 10ma	HHSVMCB1	25	311100 P04		
05	HIF1MGHT1-V (H20) . HTRTN	HMH	HMH.-	H	-H20	20	H20	100ohm, 5ma	HHSVMCB1	25	311100 P04		
12	HIF1MGHT1-V (H20) . MG	HMH	HMH.-	H	-H20	20	H20	100ohm, 15ma	HHSVMCB1	25	311100 P04		
13	HIF1MGHT1-V (H20) . MGRTN	HMH	HMH.-	H	-H20	20	H20	100ohm, 7,5ma	HHSVMCB1	25	311100 P04		
02	CABLE SHIELD	SHD				20	H20	con. to 11,30,18 via junct.	HHSVMCB1	25	311100 P04		
04	HIF1MGHT2-V (H21) . HT	HMH	HMH.-	H	-H21	21	H21	100ohm, 10ma	HHSVMCB1	25	311100 P04		
05	HIF1MGHT2-V (H21) . HTRTN	HMH	HMH.-	H	-H21	21	H21		HHSVMCB1	25	311100 P04		
14	HIF1MGHT2-V (H21) . MG	HMH	HMH.-	H	-H21	21	H21	100ohm, 15ma	HHSVMCB1	25	311100 P04		
13	HIF1MGHT2-V (H21) . MGRTN	HMH	HMH.-	H	-H21	21	H21	100ohm, 7,5ma	HHSVMCB1	25	311100 P04		
02	CABLE SHIELD	SHD				21	H21		HHSVMCB1	25	311100 P04		
06	HIF1MGHT3-V (H22) . HT	HMH	HMH.-	H	-H22	22	H22	100ohm, 10ma	HHSVMCB1	25	311100 P04		
05	HIF1MGHT3-V (H22) . HTRTN	HMH	HMH.-	H	-H22	22	H22		HHSVMCB1	25	311100 P04		
15	HIF1MGHT3-V (H22) . MG	HMH	HMH.-	H	-H22	22	H22	100ohm, 15ma	HHSVMCB1	25	311100 P04		
13	HIF1MGHT3-V (H22) . MGRTN	HMH	HMH.-	H	-H22	22	H22		HHSVMCB1	25	311100 P04		
02	CABLE SHIELD	SHD				22	H22		HHSVMCB1	25	311100 P04		
07	HIF1MGHT4-V (H23) . HT	HMH	HMH.-	H	-H23	23	H23	100ohm, 10ma	HHSVMCB1	25	311100 P04		
27	HIF1MGHT4-V (H23) . HTRTN	HMH	HMH.-	H	-H23	23	H23		HHSVMCB1	25	311100 P04		
34	HIF1MGHT4-V (H23) . MG	HMH	HMH.-	H	-H23	23	H23	100ohm, 15ma	HHSVMCB1	25	311100 P04		
35	HIF1MGHT4-V (H23) . MGRTN	HMH	HMH.-	H	-H23	23	H23		HHSVMCB1	25	311100 P04		
11	CABLE SHIELD	SHD				23	H23		HHSVMCB1	25	311100 P04		
08	HIF1MGHT5-V (H24) . HT	HMH	HMH.-	H	-H24	23	H23	100ohm, 10ma	HHSVMCB1	25	311100 P04		
27	HIF1MGHT5-V (H24) . HTRTN	HMH	HMH.-	H	-H24	24	H24		HHSVMCB1	25	311100 P04		
17	HIF1MGHT5-V (H24) . MG	HMH	HMH.-	H	-H24	24	H24	100ohm, 15ma	HHSVMCB1	25	311100 P04		
35	HIF1MGHT5-V (H24) . MGRTN	HMH	HMH.-	H	-H24	24	H24		HHSVMCB1	25	311100 P04		
11	CABLE SHIELD	SHD				24	H24	con. to 02,30,18 via junct.	HHSVMCB1	25	311100 P04		
01	NC												
20	NC												
21	NC												
22	NC												
23	NC												
24	NC												
25	NC												
26	NC												
09	NC												
28	NC												
10	NC												
29	NC												
31	NC												
32	NC												
33	NC												

Astrium GmbH

Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-75 (of 93)

Connector: 112300 P22

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Magnets & Heaters Ver.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-37S-NMB-FO+ Glen 5

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Snd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
36	NC												
37	NC												
19	NC												
CH	Case =Overallshield												

Pin Allocation List (Harness)

Connector: 112300 P24
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 1. IF Ampl. Ver.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DBMA-44P-NMB-FO+ Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code			Grouping:			Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal	Pos.	Ch. ID	Wiring	Snd						
17	HIFI FIF1 D-V (H39) . D1	H1D	H1D-	H	-H39	--	39	H39	25ohm, 10ma	HHSVMCB1	25	311100 P06	
23	HIFI FIF1 D-V (H39) . DRTN	H1D	H1D-	H	-H39	--	39	H39	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P06	
38	HIFI FIF1 D-V (H39) . D2	H1D	H1D-	H	-H39	--	39	H39	25ohm, 10ma	HHSVMCB1	25	311100 P06	
03	HIFI FIF1 D-V (H39) . TST	H1D	H1D-	H	-H39	--	39	H39	25ohm, 1ma	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	39	H39	splice 7:1	HHSVMCB1	25	311100 P06	
06	HIFI FIF1 G-V (H40) . G1	H1G	H1G-	H	-H40	--	40	H40	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	HIFI FIF1 G-V (H40) . GRTN	H1G	H1G-	H	-H40	--	40	H40	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
28	HIFI FIF1 G-V (H40) . G2	H1G	H1G-	H	-H40	--	40	H40	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	40	H40	splice 7:1	HHSVMCB1	25	311100 P06	
02	HIFI FIF2 D-V (H41) . D1	H1D	H1D.1	H	-H41	--	41	H41	25ohm, 10ma	HHSVMCB1	25	311100 P06	
23	HIFI FIF2 D-V (H41) . DRTN	H1D	H1D.1	H	-H41	--	41	H41	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P06	
24	HIFI FIF2 D-V (H41) . D2	H1D	H1D.1	H	-H41	--	41	H41	25ohm, 10ma	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	41	H41	splice 7:1	HHSVMCB1	25	311100 P06	
06	HIFI FIF2 G-V (H42) . G1	H1G	H1G-	H	-H42	--	42	H42	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	HIFI FIF2 G-V (H42) . GRTN	H1G	H1G-	H	-H42	--	42	H42	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
28	HIFI FIF2 G-V (H42) . G2	H1G	H1G-	H	-H42	--	42	H42	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	42	H42	splice 7:1	HHSVMCB1	25	311100 P06	
33	HIFI FIF3 D-V (H43) . D1	H1D	H1D.1	H	-H43	--	43	H29	25ohm, 10ma	HHSVMCB1	25	311100 P06	
23	HIFI FIF3 D-V (H43) . DRTN	H1D	H1D.1	H	-H43	--	43	H43	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P06	
09	HIFI FIF3 D-V (H43) . D2	H1D	H1D.1	H	-H43	--	43	H43	25ohm, 10ma	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	43	H43	splice 7:1	HHSVMCB1	25	311100 P06	
06	HIFI FIF3 G-V (H44) . G1	H1G	H1G-	H	-H44	--	44	H44	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	HIFI FIF3 G-V (H44) . GRTN	H1G	H1G-	H	-H44	--	44	H44	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
28	HIFI FIF3 G-V (H44) . G2	H1G	H1G-	H	-H44	--	44	H44	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	44	H44	splice 7:1	HHSVMCB1	25	311100 P06	
19	HIFI FIF4 D-V (H45) . D1	H1D	H1D-	H	-H45	--	45	H45	25ohm, 10ma	HHSVMCB1	25	311100 P06	
23	HIFI FIF4 D-V (H45) . DRTN	H1D	H1D-	H	-H45	--	45	H45	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P06	
40	HIFI FIF4 D-V (H45) . D2	H1D	H1D-	H	-H45	--	45	H45	25ohm, 10ma	HHSVMCB1	25	311100 P06	
10	HIFI FIF4 D-V (H45) . TST	H1D	H1D-	H	-H45	--	45	H45	25ohm, 1ma	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	45	H45	splice 7:1	HHSVMCB1	25	311100 P06	
06	HIFI FIF4 G-V (H46) . G1	H1G	H1G-	H	-H46	--	46	H46	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	HIFI FIF4 G-V (H46) . GRTN	H1G	H1G-	H	-H46	--	46	H46	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
28	HIFI FIF4 G-V (H46) . G2	H1G	H1G-	H	-H46	--	46	H46	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	46	H46	splice 7:1	HHSVMCB1	25	311100 P06	
04	HIFI FIF5 D-V (H47) . D1	H1D	H1D.1	H	-H47	--	47	H47	25ohm, 10ma	HHSVMCB1	25	311100 P06	
44	HIFI FIF5 D-V (H47) . DRTN	H1D	H1D.1	H	-H47	--	47	H47	25ohm, 10ma, splice 7:1	HHSVMCB1	25	311100 P06	
26	HIFI FIF5 D-V (H47) . D2	H1D	H1D.1	H	-H47	--	47	H33	25ohm, 10ma	HHSVMCB1	25	311100 P06	
-	CABLE SHIELD	SHD		H		--	47	H47	splice 7:1	HHSVMCB1	25	311100 P06	
22	HIFI FIF5 G-V (H48) . G1	H1G	H1G-	H	-H48	--	48	H48	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	
-	HIFI FIF5 G-V (H48) . GRTN	H1G	H1G-	H	-H48	--	48	H48	1000ohm, 0,001ma splice 7:1	HHSVMCB1	25	311100 P06	

Pin Allocation List (Harness)

Connector: 112300 P24
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 1. IF Ampl. Ver.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: DBMA-44P-NMB-FO+ Glen 5

Backshell: TBC

Note: Signals of different EMC classes are routed via this Connector

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
43	HIFI FIF5 G-V (H48) . G2	H1G	H1G.-	H	-	-	48	H48	1000ohm, 0,001ma splice 7:1	25	311100 P06		
-	CABLE SHIELD	SHD			-	-	48	H48	splice 7:1	25	311100 P06		
35	HIFI FIF6 D-V (H49) . D1	H1D	H1D.1	H	-	-	49	H49	25ohm, 10ma	25	311100 P06		
44	HIFI FIF6 D-V (H49) . DRTN	H1D	H1D.1	H	-	-	49	H49	25ohm, 10ma, splice 7:1	25	311100 P06		
11	HIFI FIF6 D-V (H49) . D2	H1D	H1D.1	H	-	-	49	H49	25ohm, 10ma	25	311100 P06		
-	CABLE SHIELD	SHD			-	-	49	H49	splice 7:1	25	311100 P06		
22	HIFI FIF6 G-V (H50) . G1	H1G	H1G.-	H	-	-	50	H50	1000ohm, 0,001ma splice 7:1	25	311100 P06		
-	HIFI FIF6 G-V (H50) . GRTN	H1G	H1G.-	H	-	-	50	H50	1000ohm, 0,001ma splice 7:1	25	311100 P06		
43	HIFI FIF6 G-V (H50) . G2	H1G	H1G.-	H	-	-	50	H50	1000ohm, 0,001ma splice 7:1	25	311100 P06		
-	CABLE SHIELD	SHD			-	-	50	H50	splice 7:1	25	311100 P06		
21	HIFI FIF7 D-V (H51) . D1	H1D	H1D.1	H	-	-	51	H51	25ohm, 10ma	25	311100 P06		
44	HIFI FIF7 D-V (H51) . DRTN	H1D	H1D.1	H	-	-	51	H51	25ohm, 10ma, splice 7:1	25	311100 P06		
42	HIFI FIF7 D-V (H51) . D2	H1D	H1D.1	H	-	-	51	H51	25ohm, 10ma	25	311100 P06		
-	CABLE SHIELD	SHD			-	-	51	H51	splice 7:1	25	311100 P06		
22	HIFI FIF7 G-V (H52) . G1	H1G	H1G.-	H	-	-	52	H52	1000ohm, 0,001ma splice 7:1	25	311100 P06		
-	HIFI FIF7 G-V (H52) . GRTN	H1G	H1G.-	H	-	-	52	H52	1000ohm, 0,001ma splice 7:1	25	311100 P06		
43	HIFI FIF7 G-V (H52) . G2	H1G	H1G.-	H	-	-	52	H52	1000ohm, 0,001ma splice 7:1	25	311100 P06		
-	CABLE SHIELD	SHD			-	-	52	H52	splice 7:1	25	311100 P06		
16	NC				-	-							
32	NC				-	-							
18	NC				-	-							
34	NC				-	-							
20	NC				-	-							
05	NC				-	-							
36	NC				-	-							
08	NC				-	-							
39	NC				-	-							
25	NC				-	-							
41	NC				-	-							
27	NC				-	-							
12	NC				-	-							
15	NC				-	-							
CH	Overall Shield				-	-							

Pin Allocation List (Harness)

Connector: 112300 P25
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU 2. IF Ampl. Ver.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal										
01	HIFI SIF D1 -V (H59) . SIF1	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
44	HIFI SIF D1 -V (H59) . SIF2	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
24	HIFI SIF D1 -V (H59) . SIF3	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
03	HIFI SIF D1 -V (H59) . SIF4	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
46	HIFI SIF D1 -V (H59) . SIF5	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
26	HIFI SIF D1 -V (H59) . SIF6	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
05	HIFI SIF D1 -V (H59) . SIF7	H2D	H2D.-	H	-H59	59	H53	25ohm, 10ma	HHSVMCB2	26	311200 P08		
23	HIFI SIF D1 -V (H59) . TST	H2D	H2D.-	H	-H59	59	H59	25ohm, 1ma	HHSVMCB2	26	311200 P08		
07	HIFI SIF D1 -V (H59) . RTN	H2D	H2D.-	H	-H59	59	H59	25ohm, 10ma	HHSVMCB2	26	311200 P08		
43	CABLE SHIELD	SHD		H		59	H59		HHSVMCB2	26	311200 P08		
06	HIFI SIF G1 -V (H60) . GA	H2G	H2G.-	H	-H60	60	H60	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
28	HIFI SIF G1 -V (H60) . RTNA	H2G	H2G.-	H	-H60	60	H60	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
48	HIFI SIF G1 -V (H60) . GB	H2G	H2G.-	H	-H60	60	H60	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
49	HIFI SIF G1 -V (H60) . RTNB	H2G	H2G.-	H	-H60	60	H60	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
22	CABLE SHIELD	SHD				60	H60		HHSVMCB2	26	311200 P08		
50	HIFI SIF D2 -V (H61) . SIF1	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
30	HIFI SIF D2 -V (H61) . SIF2	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
09	HIFI SIF D2 -V (H61) . SIF3	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
52	HIFI SIF D2 -V (H61) . SIF4	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
32	HIFI SIF D2 -V (H61) . SIF5	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
11	HIFI SIF D2 -V (H61) . SIF6	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
54	HIFI SIF D2 -V (H61) . SIF7	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
08	HIFI SIF D2 -V (H61) . TST	H2D	H2D.-	H	-H61	61	H61	25ohm, 1ma	HHSVMCB2	26	311200 P08		
56	HIFI SIF D2 -V (H61) . RTN	H2D	H2D.-	H	-H61	61	H61	25ohm, 10ma	HHSVMCB2	26	311200 P08		
29	CABLE SHIELD	SHD		H		61	H61		HHSVMCB2	26	311200 P08		
34	HIFI SIF G2 -V (H62) . GA	H2G	H2G.-	H	-H62	62	H62	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
13	HIFI SIF G2 -V (H62) . RTNA	H2G	H2G.-	H	-H62	62	H62	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
55	HIFI SIF G2 -V (H62) . GB	H2G	H2G.-	H	-H62	62	H62	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
35	HIFI SIF G2 -V (H62) . RTNB	H2G	H2G.-	H	-H62	62	H62	1000ohm, 0,001ma	HHSVMCB2	26	311200 P08		
12	CABLE SHIELD	SHD		H		62	H62		HHSVMCB2	26	311200 P08		
36	HIFI SIF D3 -V (H63) . SIF1	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
15	HIFI SIF D3 -V (H63) . SIF2	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
58	HIFI SIF D3 -V (H63) . SIF3	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
38	HIFI SIF D3 -V (H63) . SIF4	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
17	HIFI SIF D3 -V (H63) . SIF5	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
60	HIFI SIF D3 -V (H63) . SIF6	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
40	HIFI SIF D3 -V (H63) . SIF7	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
57	HIFI SIF D3 -V (H63) . TST	H2D	H2D.-	H	-H63	63	H63	25ohm, 1ma	HHSVMCB2	26	311200 P08		
42	HIFI SIF D3 -V (H63) . RTN	H2D	H2D.-	H	-H63	63	H63	25ohm, 10ma	HHSVMCB2	26	311200 P08		
14	CABLE SHIELD	SHD		H		63	H63		HHSVMCB2	26	311200 P08		

Pin Allocation List (Harness)

Connector: 112300 P25
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMComBr

Function: HIFI FCU 2. IF Ampl. Ver.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
19	HIFI SIF G3 -V (H64) . GA	H2G	H2G.-	H	..	64	H64	1000ohm, 0,001ma		HHSVMCB2	26	311200 P08		
20	HIFI SIF G3 -V (H64) . RTNA	H2G	H2G.-	H	..	64	H64	1000ohm, 0,001ma		HHSVMCB2	26	311200 P08		
41	HIFI SIF G3 -V (H64) . GB	H2G	H2G.-	H	..	64	H64	1000ohm, 0,001ma		HHSVMCB2	26	311200 P08		
62	HIFI SIF G3 -V (H64) . RTNB	H2G	H2G.-	H	..	64	H64	1000ohm, 0,001ma		HHSVMCB2	26	311200 P08		
21	CABLE SHIELD	SHD		H		64	H64			HHSVMCB2	26	311200 P08		
02	NC													
45	NC													
25	NC													
04	NC													
47	NC													
27	NC													
51	NC													
31	NC													
10	NC													
53	NC													
33	NC													
37	NC													
16	NC													
59	NC													
39	NC													
18	NC													
61	NC													
CH	Overall Shd													

Pin Allocation List (Harness)

Connector: 112300 P26
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Chop. Cal. Therm Red.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DCMA-62S-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Snd						
23	HIFI CP-AC-R (H70) . A	HCA	HCA.-	H	-H70	70	H70	100 ohm, 10ma	HHSVMCB2	26	311200 P10		
02	HIFI CP-AC-R (H70) . ARTN	HCA	HCA.-	H	-H70	70	H70	100ohm, 10ma	HHSVMCB2	26	311200 P10		
44	HIFI CP-AC-R (H70) . B	HCA	HCA.-	H	-H70	70	H70	100ohm, 10ma	HHSVMCB2	26	311200 P10		
24	HIFI CP-AC-R (H70) . BRTN	HCA	HCA.-	H	-H70	70	H70	100ohm, 10ma	HHSVMCB2	26	311200 P10		
01	CABLE SHIELD	SHD		H		70	H70		HHSVMCB2	26	311200 P10		
25	HIFI CP-LT-SY-R (H72) . B	HCS	HCS.-	H	-H72	72	H72	1000ohm, 0,02ma	HHSVMCB2	26	311200 P10		
04	HIFI CP-LT-SY-R (H72) . RTN	HCS	HCS.-	H	-H72	72	H72	1000ohm, 0,02ma	HHSVMCB2	26	311200 P10		
46	HIFI CP-LT-SY-R (H72) . A	HCS	HCS.-	H	-H72	72	H72	1000ohm, 0,02ma	HHSVMCB2	26	311200 P10		
26	CABLE SHIELD	SHD		H		72	H72		HHSVMCB2	26	311200 P10		
05	HIFI CP-LT-PY-R (H71) . SIG	HCP	HCP.-	H	-H71	71	H71	100ohm, 5ma	HHSVMCB2	26	311200 P10		
06	HIFI CP-LT-PY-R (H71) . RTN	HCP	HCP.-	H	-H71	71	H71	100ohm, 5ma	HHSVMCB2	26	311200 P10		
28	CABLE SHIELD	SHD		H		71	H71		HHSVMCB2	26	311200 P10		
07	HIFI CS-HR-TS-R (H81) . I	HBH	HBH.-	H	-H81	81	H81	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
08	HIFI CS-HR-TS-R (H81) . IRTN	HBH	HBH.-	H	-H81	81	H81	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
29	HIFI CS-HR-TS-R (H81) . V	HBH	HBH.-	H	-H81	81	H81	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
50	HIFI CS-HR-TS-R (H81) . VRTN	HBH	HBH.-	H	-H81	81	H81	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
49	CABLE SHIELD	SHD		H		81	H81		HHSVMCB2	26	311200 P10		
30	HIFI Therm. S10K R (H75) . I	HBC	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
31	HIFI Therm. S10K R (H75) . IRTN	HBC	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
51	HIFI Therm. S10K R (H75) . V	HBC	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
09	HIFI Therm. S10K R (H75) . VRTN	HBC	HT1.-	H	-H75	75	H75	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
11	CABLE SHIELD	SHD		H		75	H75		HHSVMCB2	26	311200 P10		
52	HIFI Therm. S02K R (H76) . I	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
53	HIFI Therm. S02K R (H76) . IRTN	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
10	HIFI Therm. S02K R (H76) . V	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
32	HIFI Therm. S02K R (H76) . VRTN	HT2	HT2.-	H	-H76	76	H76	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
33	CABLE SHIELD	SHD		H		76	H76		HHSVMCB2	26	311200 P10		
54	HIFI CS-HT-R (H82) . SIG	HBT	HBT.-	H	-H82	82	H82	200ohm, 3ma	HHSVMCB2	26	311200 P10		
12	HIFI CS-HT-R (H82) . RTN	HBT	HBT.-	H	-H82	82	H82	200ohm, 3ma	HHSVMCB2	26	311200 P10		
34	CABLE SHIELD	SHD		H		82	H82		HHSVMCB2	26	311200 P10		
13	HIFI Therm. S04K R (H77) . V	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
35	HIFI Therm. S04K R (H77) . VRTN	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
14	HIFI Therm. S04K R (H77) . I	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
56	HIFI Therm. S04K R (H77) . IRTN	HT4	HT4.-	H	-H77	77	H77	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
55	CABLE SHIELD	SHD		H		77	H77		HHSVMCB2	26	311200 P10		
57	HIFI 2. IF Amp-TS-R (H66) . I	H2S	H2S.-	H	-H66	66	H66	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
37	HIFI 2. IF Amp-TS-R (H66) . IRTN	H2S	H2S.-	H	-H66	66	H66	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
15	HIFI 2. IF Amp-TS-R (H66) . V	H2S	H2S.-	H	-H66	66	H66	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
58	HIFI 2. IF Amp-TS-R (H66) . VRTN	H2S	H2S.-	H	-H66	66	H66	1000ohm, 0,01ma	HHSVMCB2	26	311200 P10		
36	CABLE SHIELD	SHD		H		66	H66		HHSVMCB2	26	311200 P10		

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Project: **HERSCHEL**

Pin Allocation List (Harness)

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Connector: 112300 P26

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Chop. Cal. Therm Red.

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector Grouping:

Conn.-Type: DCMA-62S-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
22	NC													
43	NC													
03	NC													
45	NC													
47	NC													
27	NC													
48	NC													
16	NC													
38	NC													
17	NC													
59	NC													
39	NC													
18	NC													
60	NC													
40	NC													
19	NC													
61	NC													
41	NC													
20	NC													
62	NC													
42	NC													
21	NC													

Pin Allocation List (Harness)

Connector: 112300 P27
Item: HHFCU
EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU Diplexer Ver.
Location: 16 / Units on SVM Sidep. 6 (HIFI 2)
Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: DAMA-15P-NMB-FO+Glen 5
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal											
02	HIFI DP3-AC-V (H88) . SIG	HDP	HDP.- H	-H88	-	88	H88		100ohm, 5ma	HHSVMCB2	26	311200 P12		
10	HIFI DP3-AC-V (H88) . ACRTN	HDP	HDP.- H	-H88	-	88	H88		100ohm, 2,5ma con with 15 via junc	HHSVMCB2	26	311200 P12		
01	CABLE SHIELD	SHD	H			88	H88			HHSVMCB2	26	311200 P12		
03	HIFI DP4-AC-V (H89) . SIG	HDP	HDP.- H	-H89	-	89	H89		100ohm, 5ma	HHSVMCB2	26	311200 P12		
10	HIFI DP4-AC-V (H89) . ACRTN	HDP	HDP.- H	-H89	-	89	H89		100ohm, 2,5ma	HHSVMCB2	26	311200 P12		
01	CABLE SHIELD	SHD	H			89	H89		con with 15 via junc	HHSVMCB2	26	311200 P12		
04	HIFI DP5-AC-V (H90) . SIG	HDP	HDP.- H	-H90	-	90	H90		100ohm, 5ma	HHSVMCB2	26	311200 P12		
10	HIFI DP5-AC-V (H90) . ACRTN	HDP	HDP.- H	-H90	-	90	H90		100ohm, 2,5ma con with 15 via junc	HHSVMCB2	26	311200 P12		
01	CABLE SHIELD	SHD	H			90	H90			HHSVMCB2	26	311200 P12		
05	HIFI DP6-AC-V (H91) . SIG	HDP	HDP.- H	-H91	-	91	H91		100ohm, 5ma	HHSVMCB2	26	311200 P12		
06	HIFI DP6-AC-V (H91) . ACRTN	HDP	HDP.- H	-H91	-	91	H91		100ohm, 2,5ma	HHSVMCB2	26	311200 P12		
15	CABLE SHIELD	SHD	H			91	H91		con with 01 via junc	HHSVMCB2	26	311200 P12		
07	HIFI DP7-AC-V (H92) . SIG	HDP	HDP.- H	-H92	-	92	H92		100ohm, 5ma	HHSVMCB2	26	311200 P12		
06	HIFI DP7-AC-V (H92) . ACRTN	HDP	HDP.- H	-H92	-	92	H92		100ohm, 2,5ma	HHSVMCB2	26	311200 P12		
15	CABLE SHIELD	SHD	H			92	H92		con with 01 via junc	HHSVMCB2	26	311200 P12		
09	NC													
11	NC													
12	NC													
13	NC													
14	NC													
08	NC													
CH	Con. Case = Overall Shd													

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Project: **HERSCHEL**

Pin Allocation List

(Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 P31

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF1-H

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: SMA Male

Backshell: TBC

Interface-Code

Circuit Signal Pos.

Ch. ID Wiring Shd Cable Twist

Comment

Target-Item Location Connector Pin

New

TBD

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 P32

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF2-H

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector
Grouping:

Conn.-Type: SMA Male

Backshell: TBC

Pin	Signal Designation	Interface-Code	Ch. ID	Wiring	Shd	Cable	Twist	Comment	Target-Item	Location	Connector	Pin	New
.	TBD												

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 P33

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF1-V

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: SMA Male

Backshell: TBC

Interface-Code

Circuit Signal Pos.

Ch. ID Wiring Shd Cable Twist

Comment

Target-Item Location Connector Pin New

TBD

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 112300 P34

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF2-V

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Note: Signals of different EMC classes are routed via this Connector

Conn.-Type: SMA Male

Backshell: TBC

Interface-Code

Circuit Signal Pos.

Wiring

Ch. ID

Shd Cable Twist

Comment

Target-Item Location Connector Pin New

New

TBD

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
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Connector: 112300 P41

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Male

Backshell: TBC

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

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: PAL-88 (of 93)

Connector: 112300 P42

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Male

Backshell: TBC

Pin Signal Designation

TBD

Interface-Code

Circuit Signal Pos.

Grouping:

Shd Cable Twist

Comment

Target-Item Location Connector Pin New

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
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Connector: 112300 P43

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Male

Backshell: TBC

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

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Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
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Connector: 112300 P44

Item: HHFCU

EMC-Category: 2B/SigHa Box-SVMConBr

Function: HIFI FCU IF ????

Location: 16 / Units on SVM Sidep. 6 (HIFI 2)

Conn.-Type: SMA Male

Backshell: TBC

Pin Signal Designation

TBD

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

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Project: HERSCHEL

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
 Issue: 01 Date: 15.05.2002
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Connector: 211121 P15
Item: CVVUCR
EMC-Category: 2/SigHa FeedTh-SVMCB

Function: CVV U Feed Thr. 132 (HIFI Mixer Bias H)
Location: 30 / CVV external

Conn.-Type: MS27484T22-35S (Plug+Shl)
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:	Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.	D							
01	HIFI MX1-H (H01)	HMX	HMX	-	D	-	-		HHSVMCB1	25	311100 J01		New
02	NC												
03	NC												
04	NC												
05	NC												
06	NC												
07	NC												
08	NC												
09	NC												
10	NC												
11	NC												
12	NC												
13	NC												
14	NC												
15	NC												
16	NC												
17	NC												
18	NC												
19	NC												
20	NC												
21	NC												
22	NC												
23	NC												
24	NC												
25	NC												
26	NC												
27	NC												
28	NC												
29	NC												
30	NC												
31	NC												
32	NC												
33	NC												
34	NC												
35	NC												
36	NC												
37	NC												
38	NC												
39	NC												
40	NC												

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 Project: **HERSCHEL**

Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
 Issue: 01 Date: 15.05.2002
 Sheet: PAL-92 (of 93)

Connector: 211121 P15
Item: CVVUCR
EMC-Category: 2//SigHa FeedTh-SVMCB

Function: CVV U Feed Thr. 132 (HIFI Mixer Bias H)
Location: 30 / CVV external

Conn.-Type: MS27484T22-35S (Plug+Shl)
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring		Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal		Pos.			Shd						
41	NC													
42	NC													
43	NC													
44	NC													
45	NC													
46	NC													
47	NC													
48	NC													
49	NC													
50	NC													
51	NC													
52	NC													
53	NC													
54	NC													
55	NC													
56	NC													
57	NC													
58	NC													
59	NC													
60	NC													
61	NC													
62	NC													
63	NC													
64	NC													
65	NC													
66	NC													
67	NC													
68	NC													
69	NC													
70	NC													
71	NC													
72	NC													
73	NC													
74	NC													
75	NC													
76	NC													
77	NC													
78	NC													
79	NC													
80	NC													

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Pin Allocation List (Harness)

Doc.No.: HP-2-ASED-IC-0001
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Connector: 211121 P15
Item: CVVUCR
EMC-Category: 2/SigHa FeedTh-SVMCB

Function: CVV U Feed Thr. 132 (HIFI Mixer Bias H)
Location: 30 / CVV external

Conn.-Type: MS27484T22-35S (Plug+Shl)
Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	Target-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
81	NC												
82	NC												
83	NC												
84	NC												
85	NC												
86	NC												
87	NC												
88	NC												
89	NC												
90	NC												
91	NC												
92	NC												
93	NC												
94	NC												
95	NC												
96	NC												
97	NC												
98	NC												
99	NC												
100	NC												

16 Pin allocation End to End

(Should be in a separate document (over 900 pages in total) at the moment only HIFI)

This list describes the Harness Pin allocations from source to target in both directions based on Instrument IIDB and Harness specifications.

This list will be the basic input for harness manufacturing and testing

Insert PAL from CAIE DataBase

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Project:

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-1

Connector: 111100 P11

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVW FeedTh

Function: HIFI FPU Mixer Bias 1 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			1	H01		HHFCU	16	2B112300 P11	01	
02	HIFI MX1-H (H01) . B	HMX HMX.-	H	-H01	*****	1	H01	1000 ohm 2ma	HHFCU	16	2B112300 P11	32	
03	HIFI MX1-H (H01) . VM	HMX HMX.-	H	-H01	*****	1	H01	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	02	
04	HIFI MX1-H (H01) . IM	HMX HMX.-	H	-H01	*****	1	H01	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	33	
05	NC												
06	NC												
07	HIFI MX1-H (H01) . BRTN	HMX HMX.-	H	-H01	*****	1	H01	1000 ohm 2ma	HHFCU	16	2B112300 P11	03	
08	HIFI MX1-H (H01) . VMRTN	HMX HMX.-	H	-H01	*****	1	H01	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	18	
09	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

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Sheet: EPA-2

Connector: 111100 P12

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 2 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			2	H02		HHFCU	16	2B112300 P11	17	
02	HIFI MX2-H (H02) . B	HMX	HMX.- H	-H02	00000	2	H02	1000 ohm 2ma	HHFCU	16	2B112300 P11	19	
03	HIFI MX2-H (H02) . VM	HMX	HMX.- H	-H02	00000	2	H02	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	34	
04	HIFI MX2-H (H02) . IM	HMX	HMX.- H	-H02	00000	2	H02	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	20	
05	NC												
06	NC												
07	HIFI MX2-H (H02) . BRTN	HMX	HMX.- H	-H02	00000	2	H02	1000 ohm 2ma	HHFCU	16	2B112300 P11	35	
08	HIFI MX2-H (H02) . VMRTN	HMX	HMX.- H	-H02	00000	2	H02	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	04	
09	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-3

Connector: 111100 P13

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVW FeedTh

Function: HIFI FPU Mixer Bias 3 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			3	H03		HHFCU	16	2B112300 P11	31	
02	HIFI MX3-H (H03) . B	HMX HMX.-	H	-H03	00000	3	H03	1000 ohm 2ma	HHFCU	16	2B112300 P11	05	
03	HIFI MX3-H (H03) . VM	HMX HMX.-	H	-H03	00000	3	H03	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	21	
04	HIFI MX3-H (H03) . IM	HMX HMX.-	H	-H03	00000	3	H03	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	06	
05	NC												
06	NC												
07	HIFI MX3-H (H03) . BRTN	HMX HMX.-	H	-H03	00000	3	H03	1000 ohm 2ma	HHFCU	16	2B112300 P11	22	
08	HIFI MX3-H (H03) . VMRTN	HMX HMX.-	H	-H03	00000	3	H03	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	36	
09	NC												

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Pin Allocation List (End-To-End)

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Date: 15.05.2002

Sheet: EPA-4

Connector: 111100 P14

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 4 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			4	H04		HHFCU	16	2B112300 P11	14	
02	HIFI MX4-H (H04) . B	HMX	HMX.- H	-H04	00000	4	H04	1000 ohm 2ma	HHFCU	16	2B112300 P11	37	
03	HIFI MX4-H (H04) . VM	HMX	HMX.- H	-H04	00000	4	H04	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	07	
04	HIFI MX4-H (H04) . IM	HMX	HMX.- H	-H04	00000	4	H04	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	38	
05	NC												
06	NC												
07	HIFI MX4-H (H04) . BRTN	HMX	HMX.- H	-H04	00000	4	H04	1000 ohm 2ma	HHFCU	16	2B112300 P11	08	
08	HIFI MX4-H (H04) . VMRTN	HMX	HMX.- H	-H04	00000	4	H04	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	23	
09	NC												

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Pin Allocation List (End-To-End)

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Date: 15.05.2002

Sheet: EPA-5

Connector: 111100 P15

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 5 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
01	HIFI MX5-H (H05) . SHD		HMX.- H	-H05		5	H05		HHFCU	16	2B112300 P11		
02	HIFI MX5-H (H05) . B	HMX	HMX.- H	-H05		5	H05	1000 ohm 2ma	HHFCU	16	2B112300 P11	24	
03	HIFI MX5-H (H05) . VM	HMX	HMX.- H	-H05		5	H05	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	39	
04	HIFI MX5-H (H05) . IM	HMX	HMX.- H	-H05		5	H05	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	25	
05	NC												
06	NC												
07	HIFI MX5-H (H05) . BRTN	HMX	HMX.- H	-H05		5	H05	1000 ohm 2ma	HHFCU	16	2B112300 P11	40	
08	HIFI MX5-H (H05) . VMRTN	HMX	HMX.- H	-H05		5	H05	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	09	
09	NC												

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Pin Allocation List (End-To-End)

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Connector: 111100 P16

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 6 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
01	CABLE SHIELD . SHD	SHD	H			6	H06		HHFCU	16	2B112300 P11	29	
02	HIFI MX6-H (H06) . B	HMX HMX.- H	H	-H06	0003A	6	H06	1000 ohm 2ma	HHFCU	16	2B112300 P11	10	
03	HIFI MX6-H (H06) . VM	HMX HMX.- H	H	-H06	0003A	6	H06	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	26	
04	HIFI MX6-H (H06) . IM	HMX HMX.- H	H	-H06	0003A	6	H06	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	11	
05	NC												
06	NC												
07	HIFI MX6-H (H06) . BRTN	HMX HMX.- H	H	-H06	0003A	6	H06	1000 ohm 2ma	HHFCU	16	2B112300 P11	27	
08	HIFI MX6-H (H06) . VMRTN	HMX HMX.- H	H	-H06	0003A	6	H06	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	41	
09	NC												

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Pin Allocation List (End-To-End)

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Connector: 111100 P17

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 7 Hor.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
01	CABLE SHIELD . SHD	SHD	H			7	H07		HHFCU	16	2B112300 P11	30	
02	HIFI MX7-H (H07) . B	HMX HMX.- H	H	-H07	000034	7	H07	1000 ohm 2ma	HHFCU	16	2B112300 P11	42	
03	HIFI MX7-H (H07) . VM	HMX HMX.- H	H	-H07	000034	7	H07	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	12	
04	HIFI MX7-H (H07) . IM	HMX HMX.- H	H	-H07	000034	7	H07	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	43	
05	NC												
06	NC												
07	HIFI MX7-H (H07) . BRTN	HMX HMX.- H	H	-H07	000034	7	H07	1000 ohm 2ma	HHFCU	16	2B112300 P11	13	
08	HIFI MX7-H (H07) . VMRTN	HMX HMX.- H	H	-H07	000034	7	H07	1000 ohm 0,001ma	HHFCU	16	2B112300 P11	28	
09	NC												

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Connector: 111100 P18

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 1 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.										
01	CABLE SHIELD . SHD	SHD	H			8	H08		HHFCU	16	2B112300 P21	01	
02	HIFI MX1-V (H08) . B	HMX	HMX.- H	-H08	0003*	8	H08	1000 ohm 2ma	HHFCU	16	2B112300 P21	32	
03	HIFI MX1-V (H08) . VM	HMX	HMX.- H	-H08	0003*	8	H08	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	02	
04	HIFI MX1-V (H08) . IM	HMX	HMX.- H	-H08	0003*	8	H08	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	33	
05	NC												
06	NC												
07	HIFI MX1-V (H08) . BRTN	HMX	HMX.- H	-H08	0003*	8	H08	1000 ohm 2ma	HHFCU	16	2B112300 P21	03	
08	HIFI MX1-V (H08) . VMRTN	HMX	HMX.- H	-H08	0003*	8	H08	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	18	
09	NC												

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Connector: 111100 P19

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 2 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			9	H09		HHFCU	16	2B112300 P21	17	
02	HIFI MX2-V (H09) . B	HMX HMX.-	H	-H09	00000	9	H09	1000 ohm 2ma	HHFCU	16	2B112300 P21	19	
03	HIFI MX2-V (H09) . VM	HMX HMX.-	H	-H09	00000	9	H09	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	34	
04	HIFI MX2-V (H09) . IM	HMX HMX.-	H	-H09	00000	9	H09	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	20	
05	NC												
06	NC												
07	HIFI MX2-V (H09) . BRTN	HMX HMX.-	H	-H09	00000	9	H09	1000 ohm 2ma	HHFCU	16	2B112300 P21	35	
08	HIFI MX2-V (H09) . VMRTN	HMX HMX.-	H	-H09	00000	9	H09	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	04	
09	NC												

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Connector: 111100 P20

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 3 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			10	H10		HHFCU	16	2B112300 P21	31	
02	HIFI MX3-V (H10) . B	HMX HMX,-	H	-H10	0000*	10	H10	1000 ohm 2ma	HHFCU	16	2B112300 P21	05	
03	HIFI MX3-V (H10) . VM	HMX HMX,-	H	-H10	0000*	10	H10	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	21	
04	HIFI MX3-V (H10) . IM	HMX HMX,-	H	-H10	0000*	10	H10	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	06	
05	NC												
06	NC												
07	HIFI MX3-V (H10) . BRTN	HMX HMX,-	H	-H10	0000*	10	H10	1000 ohm 2ma	HHFCU	16	2B112300 P21	22	
08	HIFI MX3-V (H10) . VMRTN	HMX HMX,-	H	-H10	0000*	10	H10	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	36	
09	NC												

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Connector: 111100 P21

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 4 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			11	H11		HHFCU	16	2B112300 P21	14	
02	HIFI MX4-V (H11) . B	HMX	HMX,- H	-H11	W11.34	11	H11	1000 ohm 2ma	HHFCU	16	2B112300 P21	37	
03	HIFI MX4-V (H11) . VM	HMX	HMX,- H	-H11	W11.34	11	H11	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	07	
04	HIFI MX4-V (H11) . IM	HMX	HMX,- H	-H11	W11.34	11	H11	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	38	
05	NC												
06	NC												
07	HIFI MX4-V (H11) . BRTN	HMX	HMX,- H	-H11	W11.34	11	H11	1000 ohm 2ma	HHFCU	16	2B112300 P21	08	
08	HIFI MX4-V (H11) . VMRTN	HMX	HMX,- H	-H11	W11.34	11	H11	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	23	
09	NC												

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Connector: 111100 P22

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 5 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping: Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.									
01	CABLE SHIELD . SHD	SHD	H			12 H12		HHFCU	16	2B112300 P21	44	
02	HIFI MX5-V (H12) . B	HMX HMX,-	H	-H12	0003A	12 H12	1000 ohm 2ma	HHFCU	16	2B112300 P21	24	
03	HIFI MX5-V (H12) . VM	HMX HMX,-	H	-H12	0003A	12 H12	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	39	
04	HIFI MX5-V (H12) . IM	HMX HMX,-	H	-H12	0003A	12 H12	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	25	
05	NC											
06	NC											
07	HIFI MX5-V (H12) . BRTN	HMX HMX,-	H	-H12	0003A	12 H12	1000 ohm 2ma	HHFCU	16	2B112300 P21	40	
08	HIFI MX5-V (H12) . VMRTN	HMX HMX,-	H	-H12	0003A	12 H12	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	09	
09	NC											

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Connector: 111100 P23

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 6 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			13	H13		HHFCU	16	2B112300 P21	29	
02	HIFI MX6-V (H13) . B	HMX	HMX.- H	-H13	01003*	13	H13	1000 ohm 2ma	HHFCU	16	2B112300 P21	10	
03	HIFI MX6-V (H13) . VM	HMX	HMX.- H	-H13	01003*	13	H13	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	26	
04	HIFI MX6-V (H13) . IM	HMX	HMX.- H	-H13	01003*	13	H13	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	11	
05	NC												
06	NC												
07	HIFI MX6-V (H13) . BRTN	HMX	HMX.- H	-H13	01003*	13	H13	1000 ohm 2ma	HHFCU	16	2B112300 P21	27	
08	HIFI MX6-V (H13) . VMRTN	HMX	HMX.- H	-H13	01003*	13	H13	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	41	
09	NC												

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Connector: 111100 P24

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Mixer Bias 7 Ver.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	CABLE SHIELD . SHD	SHD	H			14	H14		HHFCU	16	2B112300 P21	30	
02	HIFI MX7-V (H14) . B	HMX HMX.-	H	-H14	①②③④	14	H14	1000 ohm 2ma	HHFCU	16	2B112300 P21	42	
03	HIFI MX7-V (H14) . VM	HMX HMX.-	H	-H14	①②③④	14	H14	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	12	
04	HIFI MX7-V (H14) . IM	HMX HMX.-	H	-H14	①②③④	14	H14	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	43	
05	NC												
06	NC												
07	HIFI MX7-V (H14) . BRTN	HMX HMX.-	H	-H14	①②③④	14	H14	1000 ohm 2ma	HHFCU	16	2B112300 P21	13	
08	HIFI MX7-V (H14) . VMRTN	HMX HMX.-	H	-H14	①②③④	14	H14	1000 ohm 0,001ma	HHFCU	16	2B112300 P21	28	
09	NC												

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Pin Allocation List (End-To-End)

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Connector: 111100 P25

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.									
06	HIFIMGHT1-H (H15) . HT	HMH	HMH.- H	-H15	0000	15	100ohm, 10ma	HHFCU	16	2B112300 P12	03	
01	HIFIMGHT1-H (H15) . HTRTN	HMH	HMH.- H	-H15	0000	15	100ohm, 10ma	HHFCU	16	2B112300 P12	05	
07	HIFIMGHT1-H (H15) . MG	HMH	HMH.- H	-H15	0000	15	100ohm, 15ma	HHFCU	16	2B112300 P12	12	
02	HIFIMGHT1-H (H15) . MGRTN	HMH	HMH.- H	-H15	0000	15	100ohm, 15ma	HHFCU	16	2B112300 P12	13	
03	CABLE SHIELD . SHD	SHD	H			15		HHFCU	16	2B112300 P12	02	
04	NC											
05	NC											
08	NC											
09	NC											

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Connector: 111100 P26

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI MGHT2 -H (H16) . HT	HMH	HMH,- H	-H16	01-01-04	16	H16	100ohm, 10ma	HHFCU	16	2B112300 P12	04	
01	HIFI MGHT2 -H (H16) . HTRTN	HMH	HMH,- H	-H16	01-01-04	16	H16	100ohm, 10ma	HHFCU	16	2B112300 P12	05	
07	HIFI MGHT2 -H (H16) . MG	HMH	HMH,- H	-H16	01-01-04	16	H16	100ohm, 15ma	HHFCU	16	2B112300 P12	14	
02	HIFI MGHT2 -H (H16) . MGRTN	HMH	HMH,- H	-H16	01-01-04	16	H16	100ohm, 15ma	HHFCU	16	2B112300 P12	13	
03	CABLE SHIELD . SHD	SHD				16	H16		HHFCU	16	2B112300 P12	02	
04	NC												
05	NC												
08	NC												
09	NC												

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Pin Allocation List (End-To-End)

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Connector: 111100 P27

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping: Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.									
06	HIFI MGHT3 -H (H17) . HT	HMH	HMH.- H	-H17	0100*	17 H17	100ohm, 10ma	HHFCU	16	2B112300 P12	06	
01	HIFI MGHT3 -H (H17) . HTRTN	HMH	HMH.- H	-H17	0100*	17 H17	100ohm, 10ma	HHFCU	16	2B112300 P12	05	
07	HIFI MGHT3 -H (H17) . MG	HMH	HMH.- H	-H17	0100*	17 H17	100ohm, 15ma	HHFCU	16	2B112300 P12	15	
02	HIFI MGHT3 -H (H17) . MGRTN	HMH	HMH.- H	-H17	0100*	17 H17	100ohm, 15ma	HHFCU	16	2B112300 P12	13	
03	CABLE SHIELD . SHD	SHD	H			17 H17		HHFCU	16	2B112300 P12	02	
04	NC											
05	NC											
08	NC											
09	NC											

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Connector: 111100 P28

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI MGHT4 -H (H18) . HT	HMH	HMH,- H	-H18	18	H18	100ohm, 10ma	HHFCU	16	2B112300	P12	07	
01	HIFI MGHT4 -H (H18) . HTRTN	HMH	HMH,- H	-H18	18	H18	100ohm, 10ma	HHFCU	16	2B112300	P12	27	
07	HIFI MGHT4 -H (H18) . MG	HMH	HMH,- H	-H18	18	H18	100ohm, 15ma	HHFCU	16	2B112300	P12	34	
02	HIFI MGHT4 -H (H18) . MGRTN	HMH	HMH,- H	-H18	18	H18	100ohm, 15ma	HHFCU	16	2B112300	P12	35	
03	CABLE SHIELD . SHD	SHD			18	H18		HHFCU	16	2B112300	P12	11	
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P29

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIF1 MGHT5 -H (H19) . HT	HMH	HMH,- H	-H19	SHD	19	H19	100ohm, 10ma	HHFCU	16	2B112300 P12	08	
01	HIF1 MGHT5 -H (H19) . HTRTN	HMH	HMH,- H	-H19	SHD	19	H19	100ohm, 10ma	HHFCU	16	2B112300 P12	27	
07	HIF1 MGHT5 -H (H19) . MG	HMH	HMH,- H	-H19	SHD	19	H19	100ohm, 15ma	HHFCU	16	2B112300 P12	17	
02	HIF1 MGHT5 -H (H19) . MGRTN	HMH	HMH,- H	-H19	SHD	19	H19	100ohm, 15ma	HHFCU	16	2B112300 P12	35	
03	CABLE SHIELD . SHD	SHD				19	H19		HHFCU	16	2B112300 P12	11	
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P32

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI MGHT1 -V (H20) . HT	HMH	HMH,- H	-H20		20	H20	100ohm, 10ma	HHFCU	16	2B112300 P22	03	
01	HIFI MGHT1 -V (H20) . HTRTN	HMH	HMH,- H	-H20		20	H20	100ohm, 10ma	HHFCU	16	2B112300 P22	05	
07	HIFI MGHT1 -V (H20) . MG	HMH	HMH,- H	-H20		20	H20	100ohm, 15ma	HHFCU	16	2B112300 P22	12	
02	HIFI MGHT1 -V (H20) . MGRTN	HMH	HMH,- H	-H20		20	H20	100ohm, 15ma	HHFCU	16	2B112300 P22	13	
03	CABLE SHIELD . SHD	SHD				20	H20		HHFCU	16	2B112300 P22	02	
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P33

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver
 Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630
 Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping: Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal . Pos.									
06	HIF1MGHT2-V(H21).HT	HMH	HMH.- H	-H21	010030	21 H21	100ohm, 10ma	HHFCU	16	2B112300 P22	04	
01	HIF1MGHT2-V(H21).HTRTN	HMH	HMH.- H	-H21	010030	21 H21	100ohm, 10ma	HHFCU	16	2B112300 P22	05	
07	HIF1MGHT2-V(H21).MG	HMH	HMH.- H	-H21	010030	21 H21	100ohm, 15ma	HHFCU	16	2B112300 P22	14	
02	HIF1MGHT2-V(H21).MGRTN	HMH	HMH.- H	-H21	010030	21 H21	100ohm, 15ma	HHFCU	16	2B112300 P22	13	
03	CABLE SHIELD . SHD	SHD	H			21 H21		HHFCU	16	2B112300 P22	02	
04	NC											
05	NC											
08	NC											
09	NC											

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Connector: 111100 P34

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
06	HIF1MGHT3 -V (H22) . HT	HMH	HMH,- H	-H22	22	H22	100ohm, 10ma	HHFCU	16	2B112300 P22	06		
01	HIF1MGHT3 -V (H22) . HTRTN	HMH	HMH,- H	-H22	22	H22	100ohm, 10ma	HHFCU	16	2B112300 P22	05		
07	HIF1MGHT3 -V (H22) . MG	HMH	HMH,- H	-H22	22	H22	100ohm, 15ma	HHFCU	16	2B112300 P22	15		
02	HIF1MGHT3 -V (H22) . MGRTN	HMH	HMH,- H	-H22	22	H22	100ohm, 15ma	HHFCU	16	2B112300 P22	13		
03	CABLE SHIELD . SHD	SHD			22	H22		HHFCU	16	2B112300 P22	02		
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P35

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFIMGHT4-V (H23) . HT	HMH	HMH.-	H		23	H23	100ohm, 10ma	HHFCU	16	2B112300 P22	07	
01	HIFIMGHT4-V (H23) . HTRTN	HMH	HMH.-	H		23	H23	100ohm, 10ma	HHFCU	16	2B112300 P22	27	
07	HIFIMGHT4-V (H23) . MG	HMH	HMH.-	H		23	H23	100ohm, 15ma	HHFCU	16	2B112300 P22	34	
02	HIFIMGHT4-V (H23) . MGRTN	HMH	HMH.-	H		23	H23	100ohm, 15ma	HHFCU	16	2B112300 P22	35	
03	CABLE SHIELD . SHD	SHD		H		23	H23		HHFCU	16	2B112300 P22	11	
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P36

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVW FeedTh

Function: HIFI FPU Magnets, Heaters Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI MGHT5 -V (H24) . HT	HMH	HMH,-	H		24	H24	100ohm, 10ma	HHFCU	16	2B112300 P22	08	
01	HIFI MGHT5 -V (H24) . HTRTN	HMH	HMH,-	H		24	H24	100ohm, 10ma	HHFCU	16	2B112300 P22	27	
07	HIFI MGHT5 -V (H24) . MG	HMH	HMH,-	H		24	H24	100ohm, 15ma	HHFCU	16	2B112300 P22	17	
02	HIFI MGHT5 -V (H24) . MGRTN	HMH	HMH,-	H		24	H24	100ohm, 15ma	HHFCU	16	2B112300 P22	35	
03	CABLE SHIELD . SHD	SHD				24	H24		HHFCU	16	2B112300 P22	11	
04	NC												
05	NC												
08	NC												
09	NC												

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Connector: 111100 P39

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 1 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF1 D -H (H25) . D2	H1D	H1D.-	H	01000	25	H25	A	HHFCU	16	2B112300 P14	38	
03	HIFI FIF1 D -H (H25) . D1	H1D	H1D.-	H	01000	25	H25	A	HHFCU	16	2B112300 P14	17	
04	HIFI FIF1 D -H (H25) . TST	H1D	H1D.-	H	01000	25	H25	A	HHFCU	16	2B112300 P14	03	
09	HIFI FIF1 D -H (H25) . DRTN	H1D	H1D.-	H	01000	25	H25	A	HHFCU	16	2B112300 P14	23	
07	CABLE SHIELD	SHD		H		25	H25	A	HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD		H		26	H26	A	HHFCU	16	2B112300 P14	-	
08	HIFI FIF1 G -H (H26) . G2	H1G	H1G.-	H	01000	26	H26	A	HHFCU	16	2B112300 P14	28	
02	HIFI FIF1 G -H (H26) . GRTN	H1G	H1G.-	H	01000	26	H26	A	HHFCU	16	2B112300 P14	-	
05	HIFI FIF1 G -H (H26) . G1	H1G	H1G.-	H	01000	26	H26	A	HHFCU	16	2B112300 P14	06	

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Connector: 111100 P40

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 2 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI FIF2 D -H (H27) . D2	H1D	H1D.1 H	-H27	00000	27	H27 B	25ohm, 10ma	HHFCU	16	2B112300 P14	24	
03	HIFI FIF2 D -H (H27) . D1	H1D	H1D.1 H	-H27	00000	27	H27 B	25ohm, 10ma	HHFCU	16	2B112300 P14	02	
04	NC												
09	HIFI FIF2 D -H (H27) . DRTN	H1D	H1D.1 H	-H27	00000	27	H27 B	25ohm, 20ma	HHFCU	16	2B112300 P14	23	
07	CABLE SHIELD	SHD	H			27	H27 B		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	H			28	H28 B		HHFCU	16	2B112300 P14	-	
08	HIFI FIF2 G -H (H28) . G2	H1G	H1G.- H	-H28	00000	28	H28 B	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	28	
02	HIFI FIF2 G -H (H28) . GRTN	H1G	H1G.- H	-H28	00000	28	H28 B	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF2 G -H (H28) . G1	H1G	H1G.- H	-H28	00000	28	H28 B	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	06	

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Connector: 111100 P41

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 3 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
06	HIFI FIF3 D -H (H29) . D2	H1D	H1D.1 H	-H29	01000	29	H29 C	25ohm, 10ma	HHFCU	16	2B112300 P14	09	
03	HIFI FIF3 D -H (H29) . D1	H1D	H1D.1 H	-H29	01000	29	H29 C	25ohm, 10ma	HHFCU	16	2B112300 P14	33	
04	NC												
09	HIFI FIF3 D -H (H29) . DRTN	H1D	H1D.1 H	-H29	01000	29	H29 C	25ohm, 20ma	HHFCU	16	2B112300 P14	23	
07	CABLE SHIELD	SHD	H			29	H29 C		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	H			30	H30 C		HHFCU	16	2B112300 P14	-	
08	HIFI FIF3 G -H (H30) . G2	H1G	H1G.- H	-H30	01000	30	H30 C	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	28	
02	HIFI FIF3 G -H (H30) . GRTN	H1G	H1G.- H	-H30	01000	30	H30 C	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF3 G -H (H30) . G1	H1G	H1G.- H	-H30	01000	30	H30 C	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	06	

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Connector: 111100 P42

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 4 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI FIF4 D -H (H31) . D2	H1D	H1D.- H	-H31	010000	31	H31 D	25ohm, 10ma	HHFCU	16	2B112300 P14	40	
03	HIFI FIF4 D -H (H31) . D1	H1D	H1D.- H	-H31	010000	31	H31 D	25ohm, 10ma	HHFCU	16	2B112300 P14	19	
04	HIFI FIF4 D -H (H31) . TST	H1D	H1D.- H	-H31	010000	31	H31 D	25ohm, 1ma	HHFCU	16	2B112300 P14	10	
09	HIFI FIF4 D -H (H31) . DRTN	H1D	H1D.- H	-H31	010000	31	H31 D	25ohm, 20ma	HHFCU	16	2B112300 P14	23	
07	CABLE SHIELD	SHD	SHD			31	H31 D		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	SHD			32	H32 D		HHFCU	16	2B112300 P14	-	
08	HIFI FIF4 G -H (H32) . G2	H1G	H1G.- H	-H32	010010	32	H32 D	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	28	
02	HIFI FIF4 G -H (H32) . GRTN	H1G	H1G.- H	-H32	010010	32	H32 D	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF4 G -H (H32) . G1	H1G	H1G.- H	-H32	010010	32	H32 D	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	06	

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Connector: 111100 P43

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 5 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
06	HIFI FIF5 D -H (H33) . D2	H1D	H1D.1 H	-H33	01000	33	H33 E	25ohm, 10ma	HHFCU	16	2B112300 P14	26	
03	HIFI FIF5 D -H (H33) . D1	H1D	H1D.1 H	-H33	01000	33	H33 E	25ohm, 10ma	HHFCU	16	2B112300 P14	04	
04	NC												
09	HIFI FIF5 D -H (H33) . DRTN	H1D	H1D.1 H	-H33	01000	33	H33 E	25ohm, 20ma	HHFCU	16	2B112300 P14	44	
07	CABLE SHIELD	SHD	H			33	H33 E		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	H			34	H34 E		HHFCU	16	2B112300 P14	-	
08	HIFI FIF5 G -H (H34) . G2	H1G	H1G.- H	-H34	01000*	34	H34 E	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	43	
02	HIFI FIF5 G -H (H34) . GRTN	H1G	H1G.- H	-H34	01000*	34	H34 E	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF5 G -H (H34) . G1	H1G	H1G.- H	-H34	01000*	34	H34 E	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	22	

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Pin Allocation List (End-To-End)

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Connector: 111100 P44

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 6 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd Cable Twist							
06	HIFI FIF6 D -H (H35) . D2	H1D	H1D.1 H	-H35	***	35	H35 F	25ohm, 10ma	HHFCU	16	2B112300 P14	11	
03	HIFI FIF6 D -H (H35) . D1	H1D	H1D.1 H	-H35	***	35	H35 F	25ohm, 10ma	HHFCU	16	2B112300 P14	35	
04	NC												
09	HIFI FIF6 D -H (H35) . DRTN	H1D	H1D.1 H	-H35	***	35	H33 F	25ohm, 20ma	HHFCU	16	2B112300 P14	44	
07	CABLE SHIELD	SHD	H			35	H35 F		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	H			36	H36 F		HHFCU	16	2B112300 P14	-	
08	HIFI FIF6 G -H (H36) . G2	H1G	H1G.- H	-H36	***	36	H36 F	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	43	
02	HIFI FIF6 G -H (H36) . GRTN	H1G	H1G.- H	-H36	***	36	H36 F	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF6 G -H (H36) . G1	H1G	H1G.- H	-H36	***	36	H36 F	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	22	

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Connector: 111100 P45

Item: HHFPU

Function: HIFI FPU 1. IF Ampl. 7 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

EMC-Category: 2C/SigHa FPU-CVW FeedTh

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
06	HIFI FIF7 D -H (H37) . D2	H1D	H1D.1 H	-H37	03000	37	H37 G	25ohm, 10ma	HHFCU	16	2B112300 P14	42	
03	HIFI FIF7 D -H (H37) . D1	H1D	H1D.1 H	-H37	03000	37	H37 G	25ohm, 10ma	HHFCU	16	2B112300 P14	21	
04	NC												
09	HIFI FIF7 D -H (H37) . DR1N	H1D	H1D.1 H	-H37	03000	37	H37 G	25ohm, 20ma	HHFCU	16	2B112300 P14	44	
07	CABLE SHIELD	SHD	H			37	H37 G		HHFCU	16	2B112300 P14	-	
01	CABLE SHIELD	SHD	H			38	H38 G		HHFCU	16	2B112300 P14	-	
08	HIFI FIF7 G -H (H38) . G2	H1G	H1G.- H	-H38	03000	38	H38 G	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	43	
02	HIFI FIF7 G -H (H38) . GR1N	H1G	H1G.- H	-H38	03000	38	H38 G	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	-	
05	HIFI FIF7 G -H (H38) . G1	H1G	H1G.- H	-H38	03000	38	H38 G	1000ohm, 0,001ma	HHFCU	16	2B112300 P14	22	

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Connector: 111100 P46

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVW FeedTh

Function: HIFI FPU 1. IF Ampl. 1 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI FIF1 D -V (H39) . D2	H1D	H1D.-	-H39	01800	39	H39	25ohm, 10ma	HHFCU	16	2B112300 P24	38	
03	HIFI FIF1 D -V (H39) . D1	H1D	H1D.-	-H39	01800	39	H39	25ohm, 10ma	HHFCU	16	2B112300 P24	17	
04	HIFI FIF1 D -V (H39) . TST	H1D	H1D.-	-H39	01800	39	H39	25ohm, 1ma	HHFCU	16	2B112300 P24	03	
09	HIFI FIF1 D -V (H39) . DRTN	H1D	H1D.-	-H39	01800	39	H39	25ohm, 20ma	HHFCU	16	2B112300 P24	23	
07	CABLE SHIELD	SHD	H			39	H39		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	H			40	H40		HHFCU	16	2B112300 P24	-	
08	HIFI FIF1 G -V (H40) . G2	H1G	H1G.-	-H40	01800	40	H40	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	28	
02	HIFI FIF1 G -V (H40) . GRTN	H1G	H1G.-	-H40	01800	40	H40	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF1 G -V (H40) . G1	H1G	H1G.-	-H40	01800	40	H40	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	06	

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Connector: 111100 P47

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CWV FeedTh

Function: HIFI FPU 1. IF Ampl. 2 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
06	HIFI FIF2 D -V (H41) . D2	H1D	H1D.1 H	-H41	01930	41	H41 I	25ohm, 10ma	HHFCU	16	2B112300 P24	24	
03	HIFI FIF2 D -V (H41) . D1	H1D	H1D.1 H	-H41	01930	41	H41 I	25ohm, 10ma	HHFCU	16	2B112300 P24	02	
04	NC												
09	HIFI FIF2 D -V (H41) . DRTN	H1D	H1D.1 H	-H41	01930	41	H41 I	25ohm, 20ma	HHFCU	16	2B112300 P24	23	
07	CABLE SHIELD	SHD	H			41	H41 I		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	H			42	H42 I		HHFCU	16	2B112300 P24	-	
08	HIFI FIF2 G -V (H42) . G2	H1G	H1G.- H	-H42	01930	42	H42 I	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	28	
02	HIFI FIF2 G -V (H42) . GRTN	H1G	H1G.- H	-H42	01930	42	H42 I	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF2 G -V (H42) . G1	H1G	H1G.- H	-H42	01930	42	H42 I	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	06	

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Connector: 111100 P48

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CWV FeedTh

Function: HIFI FPU 1. IF Ampl. 3 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
06	HIFI FIF3 D -V (H43) . D2	H1D	H1D.1 H	-H43	010030	43	H43 J	25ohm, 10ma	HHFCU	16	2B112300 P24	09	
03	HIFI FIF3 D -V (H43) . D1	H1D	H1D.1 H	-H43	010030	43	H43 J	25ohm, 10ma	HHFCU	16	2B112300 P24	33	
04	NC												
09	HIFI FIF3 D -V (H43) . DRTN	H1D	H1D.1 H	-H43	010030	43	H43 J	25ohm, 20ma	HHFCU	16	2B112300 P24	23	
07	CABLE SHIELD	SHD	H			43	H43 J		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	H			44	H44 J		HHFCU	16	2B112300 P24	-	
08	HIFI FIF3 G -V (H44) . G2	H1G	H1G.- H	-H44	010030	44	H44 J	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	28	
02	HIFI FIF3 G -V (H44) . GRTN	H1G	H1G.- H	-H44	010030	44	H44 J	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF3 G -V (H44) . G1	H1G	H1G.- H	-H44	010030	44	H44 J	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	06	

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Connector: 111100 P49

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 4 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
06	HIFI FIF4 D -V (H45) . D2	H1D	H1D.-	-H45	0.000	45	H45	25ohm, 10ma	HHFCU	16	2B112300 P24	40	
03	HIFI FIF4 D -V (H45) . D1	H1D	H1D.-	-H45	0.000	45	H45	25ohm, 10ma	HHFCU	16	2B112300 P24	19	
04	HIFI FIF4 D -V (H45) . TST	H1D	H1D.-	-H45	0.000	45	H45	25ohm, 1ma	HHFCU	16	2B112300 P24	10	
09	HIFI FIF4 D -V (H45) . DRTN	H1D	H1D.-	-H45	0.000	45	H45	25ohm, 20ma	HHFCU	16	2B112300 P24	23	
07	CABLE SHIELD	SHD	SHD			45	H45		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	SHD			46	H46		HHFCU	16	2B112300 P24	-	
08	HIFI FIF4 G -V (H46) . G2	H1G	H1G.-	-H46	0.000	46	H46	1000ohm, 0.001ma	HHFCU	16	2B112300 P24	28	
02	HIFI FIF4 G -V (H46) . GRTN	H1G	H1G.-	-H46	0.000	46	H46	1000ohm, 0.001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF4 G -V (H46) . G1	H1G	H1G.-	-H46	0.000	46	H46	1000ohm, 0.001ma	HHFCU	16	2B112300 P24	06	

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Connector: 111100 P50

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 5 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI FIF5 D -V (H47) . D2	H1D	H1D.1 H	-H47	00000	47	H47 L	25ohm, 10ma	HHFCU	16	2B112300 P24	26	
03	HIFI FIF5 D -V (H47) . D1	H1D	H1D.1 H	-H47	00000	47	H47 L	25ohm, 10ma	HHFCU	16	2B112300 P24	04	
04	NC												
09	HIFI FIF5 D -V (H47) . DRTN	H1D	H1D.1 H	-H47	00000	47	H47 L	25ohm, 20ma	HHFCU	16	2B112300 P24	44	
07	CABLE SHIELD	SHD	H			47	H47 L		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	H			48	H48 L		HHFCU	16	2B112300 P24	-	
08	HIFI FIF5 G -V (H48) . G2	H1G	H1G.- H	-H48	00004	48	H48 L	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	43	
02	HIFI FIF5 G -V (H48) . GRTN	H1G	H1G.- H	-H48	00004	48	H48 L	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF5 G -V (H48) . G1	H1G	H1G.- H	-H48	00004	48	H48 L	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	22	

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Connector: 111100 P51

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 6 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
06	HIFI FIF6 D -V (H49) . D2	H1D	H1D.1 H	-H49	00000	49	H49 M	25ohm, 10ma	HHFCU	16	2B112300 P24	11	
03	HIFI FIF6 D -V (H49) . D1	H1D	H1D.1 H	-H49	00000	49	H49 M	25ohm, 10ma	HHFCU	16	2B112300 P24	35	
04	NC												
09	HIFI FIF6 D -V (H49) . DRTN	H1D	H1D.1 H	-H49	00000	49	H49 M	25ohm, 20ma	HHFCU	16	2B112300 P24	44	
07	CABLE SHIELD	SHD	H			49	H49 M		HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	H			50	H50 M		HHFCU	16	2B112300 P24	-	
08	HIFI FIF6 G -V (H50) . G2	H1G	H1G.- H	-H50	00000	50	H50 M	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	43	
02	HIFI FIF6 G -V (H50) . GRTN	H1G	H1G.- H	-H50	00000	50	H50 M	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	-	
05	HIFI FIF6 G -V (H50) . G1	H1G	H1G.- H	-H50	00000	50	H50 M	1000ohm, 0,001ma	HHFCU	16	2B112300 P24	22	

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Connector: 111100 P52

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 1. IF Ampl. 7 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-09S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Pos.	Shd						
06	HIFI FIF7 D -V (H51) . D2	H1D	H1D.1	H	00000	51	H51	N	HHFCU	16	2B112300 P24	42	
03	HIFI FIF7 D -V (H51) . D1	H1D	H1D.1	H	00000	51	H51	N	HHFCU	16	2B112300 P24	21	
04	NC												
09	HIFI FIF7 D -V (H51) . DRTN	H1D	H1D.1	H	00000	51	H51	N	HHFCU	16	2B112300 P24	44	
07	CABLE SHIELD	SHD	SHD	H		51	H51	N	HHFCU	16	2B112300 P24	-	
01	CABLE SHIELD	SHD	SHD	H		52	H52	N	HHFCU	16	2B112300 P24	-	
08	HIFI FIF7 G -V (H52) . G2	H1G	H1G.-	H	00000	52	H52	N	HHFCU	16	2B112300 P24	43	
02	HIFI FIF7 G -V (H52) . GRN	H1G	H1G.-	H	00000	52	H52	N	HHFCU	16	2B112300 P24	-	
05	HIFI FIF7 G -V (H52) . G1	H1G	H1G.-	H	00000	52	H52	N	HHFCU	16	2B112300 P24	22	

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Connector: 111100 P53

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 1 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd Cable Twist							
02	HIFI SIF D1 -H (H53) . SIF1	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	01	
13	HIFI SIF D1 -H (H53) . SIF2	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	44	
03	HIFI SIF D1 -H (H53) . SIF3	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	24	
14	HIFI SIF D1 -H (H53) . SIF4	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	03	
04	HIFI SIF D1 -H (H53) . SIF5	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	46	
15	HIFI SIF D1 -H (H53) . SIF6	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	26	
05	HIFI SIF D1 -H (H53) . SIF7	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	05	
16	HIFI SIF D1 -H (H53) . TST	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 1ma	HHFCU	16	2B112300 P15	23	
06	HIFI SIF D1 -H (H53) . RTN	H2D	H2D.- H	-H53	010000	53	H53	25ohm, 10ma	HHFCU	16	2B112300 P15	07	
01	CABLE SHIELD . SHD	SHD	SHD			53	H53		HHFCU	16	2B112300 P15	43	
09	HIFI SIF G1 -H (H54) . GA	H2G	H2G.- H	-H54	010000	54	H54	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	06	
19	HIFI SIF G1 -H (H54) . RTNA	H2G	H2G.- H	-H54	010000	54	H54	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	28	
10	HIFI SIF G1 -H (H54) . GB	H2G	H2G.- H	-H54	010000	54	H54	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	48	
20	HIFI SIF G1 -H (H54) . RTNB	H2G	H2G.- H	-H54	010000	54	H54	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	49	
21	CABLE SHIELD . SHD	SHD	SHD			54	H54		HHFCU	16	2B112300 P15	22	
17	NC												
07	NC												
18	NC												
08	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

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Sheet: EPA-40

Connector: 111100 P54

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 2 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
02	HIFI SIF D2-H (H55) . SIF1	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	50	
13	HIFI SIF D2-H (H55) . SIF2	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	30	
03	HIFI SIF D2-H (H55) . SIF3	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	09	
14	HIFI SIF D2-H (H55) . SIF4	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	52	
04	HIFI SIF D2-H (H55) . SIF5	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	32	
15	HIFI SIF D2-H (H55) . SIF6	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	11	
05	HIFI SIF D2-H (H55) . SIF7	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	54	
16	HIFI SIF D2-H (H55) . TST	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 1ma	HHFCU	16	2B112300 P15	08	
06	HIFI SIF D2-H (H55) . RTN	H2D	H2D.- H	-H55	00000	55	H55	25ohm, 10ma	HHFCU	16	2B112300 P15	56	
01	CABLE SHIELD . SHD	SHD	SHD			55	H55		HHFCU	16	2B112300 P15	29	
09	HIFI SIF G2-H (H56) . GA	H2G	H2G.- H	-H56	00000	56	H56	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	34	
19	HIFI SIF G2-H (H56) . RTNA	H2G	H2G.- H	-H56	00000	56	H56	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	13	
10	HIFI SIF G2-H (H56) . GB	H2G	H2G.- H	-H56	00000	56	H56	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	55	
20	HIFI SIF G2-H (H56) . RTNB	H2G	H2G.- H	-H56	00000	56	H56	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	35	
21	CABLE SHIELD . SHD	SHD	SHD			56	H56		HHFCU	16	2B112300 P15	12	
17	NC												
07	NC												
18	NC												
08	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01 Date: 15.05.2002

Sheet: EPA-41

Connector: 111100 P55

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 3 Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
02	HIFI SIF D3-H (H57) . SIF1	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	36	
13	HIFI SIF D3-H (H57) . SIF2	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	15	
03	HIFI SIF D3-H (H57) . SIF3	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	58	
14	HIFI SIF D3-H (H57) . SIF4	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	38	
04	HIFI SIF D3-H (H57) . SIF5	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	17	
15	HIFI SIF D3-H (H57) . SIF6	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	60	
05	HIFI SIF D3-H (H57) . SIF7	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	40	
16	HIFI SIF D3-H (H57) . TST	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 1ma	HHFCU	16	2B112300 P15	57	
06	HIFI SIF D3-H (H57) . RTN	H2D	H2D.- H	-H57	010000	57	H57 Q	25ohm, 10ma	HHFCU	16	2B112300 P15	42	
01	CABLE SHIELD . SHD	SHD	SHD			57	H57 Q		HHFCU	16	2B112300 P15	14	
09	HIFI SIF G3-H (H58) . GA	H2G	H2G.- H	-H58	010000	58	H58 Q	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	19	
19	HIFI SIF G3-H (H58) . RTNA	H2G	H2G.- H	-H58	010000	58	H58 Q	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	20	
10	HIFI SIF G3-H (H58) . GB	H2G	H2G.- H	-H58	010000	58	H58 Q	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	41	
20	HIFI SIF G3-H (H58) . RTNB	H2G	H2G.- H	-H58	010000	58	H58 Q	1000ohm, 0,001ma	HHFCU	16	2B112300 P15	62	
21	CABLE SHIELD . SHD	SHD	SHD			58	H58 Q		HHFCU	16	2B112300 P15	21	
17	NC												
07	NC												
18	NC												
08	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

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Sheet: EPA-42

Connector: 111100 P56

Item: HHFPU

EMC-Category: 2C/SigHa:FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 1 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
02	HIFI SIF D1 -V (H59) . SIF1	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	01	
13	HIFI SIF D1 -V (H59) . SIF2	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	44	
03	HIFI SIF D1 -V (H59) . SIF3	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	24	
14	HIFI SIF D1 -V (H59) . SIF4	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	03	
04	HIFI SIF D1 -V (H59) . SIF5	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	46	
15	HIFI SIF D1 -V (H59) . SIF6	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	26	
05	HIFI SIF D1 -V (H59) . SIF7	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	05	
16	HIFI SIF D1 -V (H59) . SIFTS	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 1ma	HHFCU	16	2B112300 P25	07	
06	HIFI SIF D1 -V (H59) . RTN	H2D	H2D.- H	-H59	W150.0	59	H59 R	25ohm, 10ma	HHFCU	16	2B112300 P25	07	
01	CABLE SHIELD . SHD	SHD	SHD			59	H59 R		HHFCU	16	2B112300 P25	43	
09	HIFI SIF G1 -V (H60) . GA	H2G	H2G.- H	-H60	W150.0	60	H60 R	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	06	
19	HIFI SIF G1 -V (H60) . RTNA	H2G	H2G.- H	-H60	W150.0	60	H60 R	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	28	
10	HIFI SIF G1 -V (H60) . GB	H2G	H2G.- H	-H60	W150.0	60	H60 R	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	48	
20	HIFI SIF G1 -V (H60) . RTNB	H2G	H2G.- H	-H60	W150.0	60	H60 R	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	49	
21	CABLE SHIELD . SHD	SHD	SHD			60	H60 R		HHFCU	16	2B112300 P25	22	
17	NC												
07	NC												
18	NC												
08	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

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Date: 15.05.2002

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Connector: 111100 P57

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 2 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.			Shd	Cable Twist						
02	HIFI SIF D2 -V (H61) . SIF1	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	50	
13	HIFI SIF D2 -V (H61) . SIF2	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	30	
03	HIFI SIF D2 -V (H61) . SIF3	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	09	
14	HIFI SIF D2 -V (H61) . SIF4	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	52	
04	HIFI SIF D2 -V (H61) . SIF5	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	32	
15	HIFI SIF D2 -V (H61) . SIF6	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	11	
05	HIFI SIF D2 -V (H61) . SIF7	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	54	
16	HIFI SIF D2 -V (H61) . SIFTS	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 1ma	HHFCU	16	2B112300 P25		
06	HIFI SIF D2 -V (H61) . RTN	H2D	H2D.- H	-H61	010030	61	H61 S	25ohm, 10ma	HHFCU	16	2B112300 P25	56	
01	CABLE SHIELD . SHD	SHD	SHD	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	29	
09	HIFI SIF G2 -V (H62) . GA	H2G	H2G.- H	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	34	
19	HIFI SIF G2 -V (H62) . RTNA	H2G	H2G.- H	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	13	
10	HIFI SIF G2 -V (H62) . GB	H2G	H2G.- H	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	55	
20	HIFI SIF G2 -V (H62) . RTNB	H2G	H2G.- H	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	35	
21	CABLE SHIELD . SHD	SHD	SHD	-H62	010034	62	H62 S	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	12	
17	NC												
07	NC												
18	NC												
08	NC												
-	NC												
-	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

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Date: 15.05.2002

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Connector: 111100 P58

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. 3 Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
02	HIFI SIF D3 -V (H63) . SIF1	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	36	
13	HIFI SIF D3 -V (H63) . SIF2	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	15	
03	HIFI SIF D3 -V (H63) . SIF3	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	58	
14	HIFI SIF D3 -V (H63) . SIF4	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	38	
04	HIFI SIF D3 -V (H63) . SIF5	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	17	
15	HIFI SIF D3 -V (H63) . SIF6	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	60	
05	HIFI SIF D3 -V (H63) . SIF7	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	40	
16	HIFI SIF D3 -V (H63) . SIFTS	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 1ma	HHFCU	16	2B112300 P25	42	
06	HIFI SIF D3 -V (H63) . RTN	H2D	H2D.- H	-H63	00000	63	H63 T	25ohm, 10ma	HHFCU	16	2B112300 P25	14	
01	CABLE SHIELD . SHD	SHD	SHD	-H64	00000	64	H63 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	19	
09	HIFI SIF G3 -V (H64) . GA	H2G	H2G.- H	-H64	00000	64	H64 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	20	
19	HIFI SIF G3 -V (H64) . RTNA	H2G	H2G.- H	-H64	00000	64	H64 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	41	
10	HIFI SIF G3 -V (H64) . GB	H2G	H2G.- H	-H64	00000	64	H64 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	62	
20	HIFI SIF G3 -V (H64) . RTNB	H2G	H2G.- H	-H64	00000	64	H64 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	21	
21	CABLE SHIELD . SHD	SHD	SHD	-H64	00000	64	H64 T	1000ohm, 0,001ma	HHFCU	16	2B112300 P25	21	
17	NC												
07	NC												
18	NC												
08	NC												
-	NC												
-	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-45

Connector: 111100 P59

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. Therm. Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Grouping:	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.										
06	HIFI 2. IF Amp-TS-P (H65) . I	H2S	H2S,-	H	-H65	65	H65	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	57	
16	HIFI 2. IF Amp-TS-P (H65) . IRTN	H2S	H2S,-	H	-H65	65	H65	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	37	
07	HIFI 2. IF Amp-TS-P (H65) . V	H2S	H2S,-	H	-H65	65	H65	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	15	
17	HIFI 2. IF Amp-TS-P (H65) . VRTN	H2S	H2S,-	H	-H65	65	H65	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	58	
05	CABLE SHIELD	SHD		H		65	H65		HHFCU	16	2B112300 P16	36	
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												
-	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

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Connector: 111100 P60

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU 2. IF Ampl. Therm. Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping: Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.									
06	HIFI 2. IF Amp-TS-R (H66) . I	H2S	H2S.- H	-H66	SHD	66 H66	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	57	
16	HIFI 2. IF Amp-TS-R (H66) . IRTN	H2S	H2S.- H	-H66	SHD	66 H66	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	37	
07	HIFI 2. IF Amp-TS-R (H66) . V	H2S	H2S.- H	-H66	SHD	66 H66	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	15	
17	HIFI 2. IF Amp-TS-R (H66) . VRTN	H2S	H2S.- H	-H66	SHD	66 H66	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	58	
05	CABLE SHIELD	SHD	SHD			66 H66		HHFCU	16	2B112300 P26	36	
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											
-	NC											

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-47

Connector: 111100 P61

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Chopper Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Shd Cable Twist	Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal Pos.									
01	HIFI CP-AC-P (H67) . A	HCA	HCA,- H	-H67	01003A	67 H67	100ohm, 10ma	HHFCU	16	2B112300 P16	23	
12	HIFI CP-AC-P (H67) . RTNA	HCA	HCA,- H	-H67	01003A	67 H67	100ohm, 10ma	HHFCU	16	2B112300 P16		
13	HIFI CP-AC-P (H67) . B	HCA	HCA,- H	-H67	01003A	67 H67	100ohm, 10ma	HHFCU	16	2B112300 P16	44	
03	HIFI CP-AC-P (H67) . RTN2	HCA	HCA,- H	-H67	01003A	67 H67	100ohm, 10ma	HHFCU	16	2B112300 P16		
02	CABLE SHIELD	SHD	SHD			67 H67		HHFCU	16	2B112300 P16	01	
15	HIFI CP-LT-PY-P(H68) . SIG	HCP	HCP,- H	-H68	01003A	68 H68	100ohm, 5ma	HHFCU	16	2B112300 P16	05	
16	HIFI CP-LT-PY-P(H68) . RTN	HCP	HCP,- H	-H68	01003A	68 H68	100ohm, 5ma	HHFCU	16	2B112300 P16	06	
05	CABLE SHIELD	SHD	SHD			68 H68		HHFCU	16	2B112300 P16	28	
07	HIFI CP-LT-SY-P (H69) . A	HCS	HCS,- H	-H69	01003A	69 H69	1000ohm, 0,02ma	HHFCU	16	2B112300 P16	46	
18	HIFI CP-LT-SY-P (H69) . RTN	HCS	HCS,- H	-H69	01003A	69 H69	1000ohm, 0,02ma	HHFCU	16	2B112300 P16	04	
08	HIFI CP-LT-SY-P (H69) . B	HCS	HCS,- H	-H69	01003A	69 H69	1000ohm, 0,02ma	HHFCU	16	2B112300 P16	25	
19	CABLE SHIELD	SHD	SHD			69 H69		HHFCU	16	2B112300 P16	26	
14	NC											
04	NC											
06	NC											
17	NC											
09	NC											
20	NC											
10	NC											
21	NC											
11	NC											

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-48

Connector: 111100 P62

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Choper Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	HIFI CP-AC-R (H70) . A	HCA	HCA.- H	-H70	000000	70	H70	100ohm, 10ma	HHFCU	16	2B112300 P26	23	
12	HIFI CP-AC-R (H70) . RTNA	HCA	HCA.- H	-H70	000000	70	H70	100ohm, 10ma	HHFCU	16	2B112300 P26		
13	HIFI CP-AC-R (H70) . B	HCA	HCA.- H	-H70	000000	70	H70	100ohm, 10ma	HHFCU	16	2B112300 P26	44	
03	HIFI CP-AC-R (H70) . RTN2	HCA	HCA.- H	-H70	000000	70	H70	100ohm, 10ma	HHFCU	16	2B112300 P26		
02	CABLE SHIELD	SHD				70	H70		HHFCU	16	2B112300 P26	01	
15	HIFI CP-LT-PY-R (H71) . SIG	HCP	HCP.- H	-H71	000000	71	H71	100ohm, 5ma	HHFCU	16	2B112300 P26	05	
16	HIFI CP-LT-PY-R (H71) . RTN	HCP	HCP.- H	-H71	000000	71	H71	100ohm, 5ma	HHFCU	16	2B112300 P26	06	
05	CABLE SHIELD	SHD				71	H71		HHFCU	16	2B112300 P26	28	
07	HIFI CP-LT-SY-R (H72) . A	HCS	HCS.- H	-H72	000000	72	72	1000ohm, 0,02ma	HHFCU	16	2B112300 P26	46	
18	HIFI CP-LT-SY-R (H72) . RTN	HCS	HCS.- H	-H72	000000	72	H72	1000ohm, 0,02ma	HHFCU	16	2B112300 P26	04	
08	HIFI CP-LT-SY-R (H72) . B	HCS	HCS.- H	-H72	000000	72	H72	1000ohm, 0,02ma	HHFCU	16	2B112300 P26	25	
19	CABLE SHIELD	SHD				72	H72		HHFCU	16	2B112300 P26	26	
14	NC												
04	NC												
06	NC												
17	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-49

Connector: 111100 P63

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Thermistors Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
02	HIFI Therm. S02K P (H73) . I	HT2	HT2.- H	-H73	010003	73	H73	1000bhm, 0,01ma	HHFCU	16	2B112300 P16	52	
12	HIFI Therm. S02K P (H73) . IRTN	HT2	HT2.- H	-H73	010003	73	H73	1000bhm, 0,01ma	HHFCU	16	2B112300 P16	53	
03	HIFI Therm. S02K P (H73) . V	HT2	HT2.- H	-H73	010003	73	H73	1000bhm, 0,01ma	HHFCU	16	2B112300 P16	10	
13	HIFI Therm. S02K P (H73) . VRTN	HT2	HT2.- H	-H73	010003	73	H73	1000bhm, 0,01ma	HHFCU	16	2B112300 P16	32	
01	CABLE SHIELD	SHD				73	H73		HHFCU	16	2B112300 P16	33	
04	HIFI Therm. S04K P (H74) . I	HT4	HT4.- H	-H74	010003	74	H74		HHFCU	16	2B112300 P16	14	
15	HIFI Therm. S04K P (H74) . IRTN	HT4	HT4.- H	-H74	010003	74	H74		HHFCU	16	2B112300 P16	56	
05	HIFI Therm. S04K P (H74) . V	HT4	HT4.- H	-H74	010003	74	H74		HHFCU	16	2B112300 P16	13	
16	HIFI Therm. S04K P (H74) . VRTN	HT4	HT4.- H	-H74	010003	74	H74		HHFCU	16	2B112300 P16	35	
14	CABLE SHIELD	SHD				74	H74		HHFCU	16	2B112300 P16	55	
06	NC												
17	NC												
07	NC												
18	NC												
08	NC												
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

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Project:

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-50

Connector: 111100 P64

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Thermistors Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
07	HIFI Therm. S10K R (H75) . I	HT1	HT1.- H	-H75	01000K	75	H75	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	30	
17	HIFI Therm. S10K R (H75) . IRTN	HT1	HT1.- H	-H75	01000K	75	H75	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	31	
08	HIFI Therm. S10K R (H75) . V	HT1	HT1.- H	-H75	01000K	75	H75	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	51	
18	HIFI Therm. S10K R (H75) . VRTN	HT1	HT1.- H	-H75	01000K	75	H75	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	09	
06	CABLE SHIELD	SHD				75	H75		HHFCU	16	2B112300 P26	11	
02	HIFI Therm. S02K R (H76) . I	HT2	HT2.- H	-H76	01000K	76	H76	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	52	
12	HIFI Therm. S02K R (H76) . IRTN	HT2	HT2.- H	-H76	01000K	76	H76	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	53	
03	HIFI Therm. S02K R (H76) . V	HT2	HT2.- H	-H76	01000K	76	H76	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	10	
13	HIFI Therm. S02K R (H76) . VRTN	HT2	HT2.- H	-H76	01000K	76	H76	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	32	
01	CABLE SHIELD	SHD				76	H76		HHFCU	16	2B112300 P26	33	
04	HIFI Therm. S04K R (H77) . I	HT4	HT4.- H	-H77	01000K	77	H77	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	14	
15	HIFI Therm. S04K R (H77) . IRTN	HT4	HT4.- H	-H77	01000K	77	H77	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	56	
05	HIFI Therm. S04K R (H77) . V	HT4	HT4.- H	-H77	01000K	77	H77	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	13	
16	HIFI Therm. S04K R (H77) . VRTN	HT4	HT4.- H	-H77	01000K	77	H77	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	35	
14	CABLE SHIELD	SHD				77	H77		HHFCU	16	2B112300 P26	55	
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-51

Connector: 111100 P65

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Calibrator Prime

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-15P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	HIFI CS-HR-TS-P (H79) . I	HBH	HBH,- H	-H79	01000,3A	79	H79	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	07	
09	HIFI CS-HR-TS-P (H79) . IRTN	HBH	HBH,- H	-H79	01000,3A	79	H79	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	08	
10	HIFI CS-HR-TS-P (H79) . V	HBH	HBH,- H	-H79	01000,3A	79	H79	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	29	
03	HIFI CS-HR-TS-P (H79) . VRTN	HBH	HBH,- H	-H79	01000,3A	79	H79	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	50	
02	CABLE SHIELD	SHD				79	H79		HHFCU	16	2B112300 P16	49	
04	HIFI CS-HT-P (H80) . SIG	HBT	HBT,- H	-H80	01000,3A	80	H80	200ohm, 3ma	HHFCU	16	2B112300 P16	54	
12	HIFI CS-HT-P (H80) . RTN	HBT	HBT,- H	-H80	01000,3A	80	H80	200ohm, 3ma	HHFCU	16	2B112300 P16	12	
05	CABLE SHIELD	SHD				80	H80		HHFCU	16	2B112300 P16	34	
06	HIFI CS-CR-TS-P (H78) . I	HBC	HBC,- H	-H78	01000,3A	78	H78	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	30	
14	HIFI CS-CR-TS-P (H78) . IRTN	HBC	HBC,- H	-H78	01000,3A	78	H78	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	31	
15	HIFI CS-CR-TS-P (H78) . V	HBC	HBC,- H	-H78	01000,3A	78	H78	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	51	
08	HIFI CS-CR-TS-P (H78) . VRTN	HBC	HBC,- H	-H78	01000,3A	78	H78	1000ohm, 0,01ma	HHFCU	16	2B112300 P16	09	
07	CABLE SHIELD	SHD				78	H78		HHFCU	16	2B112300 P16	11	
11	NC												
13	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
 Issue: 01 Date: 15.05.2002
 Sheet: EPA-52

Connector: 111100 P66

Item: HHFCU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Calibrator Red.

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-15P-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
01	HIFI CS-HR-TS-R (H81) . I	HBH	HBH,- H	-H81	0100.0A	81	H81	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	07	
09	HIFI CS-HR-TS-R (H81) . IRTN	HBH	HBH,- H	-H81	0100.0A	81	H81	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	08	
10	HIFI CS-HR-TS-R (H81) . V	HBH	HBH,- H	-H81	0100.0A	81	H81	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	29	
03	HIFI CS-HR-TS-R (H81) . VRTN	HBH	HBH,- H	-H81	0100.0A	81	H81	1000ohm, 0,01ma	HHFCU	16	2B112300 P26	50	
02	CABLE SHIELD	SHD	H						HHFCU	16	2B112300 P26	49	
04	HIFI CS-HT-R (H82) . SIG	HBT	HBT,- H	-H82	0200.0A	82	H82	200ohm, 3ma	HHFCU	16	2B112300 P26	54	
12	HIFI CS-HT-R (H82) . RTN	HBT	HBT,- H	-H82	0200.0A	82	H82	200ohm, 3ma	HHFCU	16	2B112300 P26	12	
05	CABLE SHIELD	SHD	H						HHFCU	16	2B112300 P26	34	
11	NC												
13	NC												
06	NC												
14	NC												
07	NC												
15	NC												
08	NC												

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Project: **HERSCHEL**

Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-53

Connector: 111100 P67

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Diplexer Hor

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit	Signal			Shd	Cable Twist						
12	HIFI DP3-AC-H (H83) . SIG	HDP	HDP.- H	-H83	83	H83	100ohm, 5ma	HHFCU	16	2B112300 P17	02		
02	HIFI DP3-AC-H (H83) . RTN	HDP	HDP.- H	-H83	83	H83	100ohm, 5ma	HHFCU	16	2B112300 P17	01		
01	CABLE SHIELD	SHD	H		83	H83		HHFCU	16	2B112300 P17	03		
03	HIFI DP4-AC-H (H84) . SIG	HDP	HDP.- H	-H84	84	H84	100ohm, 5ma	HHFCU	16	2B112300 P17	01		
14	HIFI DP4-AC-H (H84) . RTN	HDP	HDP.- H	-H84	84	H84	100ohm, 5ma	HHFCU	16	2B112300 P17	01		
13	CABLE SHIELD	SHD	H		84	H84		HHFCU	16	2B112300 P17	04		
15	HIFI DP5-AC-H (H85) . SIG	HDP	HDP.- H	-H85	85	H85	100ohm, 5ma	HHFCU	16	2B112300 P17	01		
05	HIFI DP5-AC-H (H85) . RTN	HDP	HDP.- H	-H85	85	H85	100ohm, 5ma	HHFCU	16	2B112300 P17	01		
04	CABLE SHIELD	SHD	H		85	H85		HHFCU	16	2B112300 P17	05		
06	HIFI DP6-AC-H (H86) . SIG	HDP	HDP.- H	-H86	86	H86	100ohm, 5ma	HHFCU	16	2B112300 P17	15		
17	HIFI DP6-AC-H (H86) . RTN	HDP	HDP.- H	-H86	86	H86	100ohm, 5ma	HHFCU	16	2B112300 P17	07		
16	CABLE SHIELD	SHD	H		86	H86		HHFCU	16	2B112300 P17	15		
18	HIFI DP7-AC-H (H87) . SIG	HDP	HDP.- H	-H87	87	H87	100ohm, 5ma	HHFCU	16	2B112300 P17	07		
08	HIFI DP7-AC-H (H87) . RTN	HDP	HDP.- H	-H87	87	H87	100ohm, 5ma	HHFCU	16	2B112300 P17	15		
07	CABLE SHIELD	SHD	H		87	H87		HHFCU	16	2B112300 P17	15		
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01 Date: 15.05.2002

Sheet: EPA-54

Connector: 111100 P68

Item: HHFPU

EMC-Category: 2C/SigHa FPU-CVV FeedTh

Function: HIFI FPU Diplexer Ver

Location: 73 / on HIFI FPU

Conn.-Type: MWDM2L-21S-6C3-630

Backshell: TBC

Pin	Signal Designation	Interface-Code		Ch. ID	Wiring	Grouping:		Comment	End-Item	Location	Connector	Pin	New
		Circuit Signal	Pos.			Shd	Cable Twist						
12	HIFI DP3-AC-V (H88) . SIG	HDP	HDP.- H	-H88	88	H88	88	100ohm, 5ma	HHFCU	16	2B112300 P27	02	
02	HIFI DP3-AC-V (H88) . RTN	HDP	HDP.- H	-H88	88	H88	88	100ohm, 5ma	HHFCU	16	2B112300 P27	01	
01	CABLE SHIELD	SHD	H										
03	HIFI DP4-AC-V (H89) . SIG	HDP	HDP.- H	-H89	89	H89	89	100ohm, 5ma	HHFCU	16	2B112300 P27	03	
14	HIFI DP4-AC-V (H89) . RTN	HDP	HDP.- H	-H89	89	H89	89	100ohm, 5ma	HHFCU	16	2B112300 P27	01	
13	CABLE SHIELD	SHD	H										
15	HIFI DP5-AC-V (H90) . SIG	HDP	HDP.- H	-H90	90	H90	90	100ohm, 5ma	HHFCU	16	2B112300 P27	04	
05	HIFI DP5-AC-V (H90) . RTN	HDP	HDP.- H	-H90	90	H90	90	100ohm, 5ma	HHFCU	16	2B112300 P27	01	
04	CABLE SHIELD	SHD	H										
06	HIFI DP6-AC-V (H91) . SIG	HDP	HDP.- H	-H91	91	H91	91	100ohm, 5ma	HHFCU	16	2B112300 P27	05	
17	HIFI DP6-AC-V (H91) . RTN	HDP	HDP.- H	-H91	91	H91	91	100ohm, 5ma	HHFCU	16	2B112300 P27	15	
16	CABLE SHIELD	SHD	H										
18	HIFI DP7-AC-V (H92) . SIG	HDP	HDP.- H	-H92	92	H92	92	100ohm, 5ma	HHFCU	16	2B112300 P27	07	
08	HIFI DP7-AC-V (H92) . RTN	HDP	HDP.- H	-H92	92	H92	92	100ohm, 5ma	HHFCU	16	2B112300 P27	15	
07	CABLE SHIELD	SHD	H										
19	NC												
09	NC												
20	NC												
10	NC												
21	NC												
11	NC												

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Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-55

Connector: 111200 P01
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Function: HIFI LOU ???? | a
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Pin Allocations TBD

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-56

Connector: 111200 P02
Item: HHLOU
EMC-Category: 2I/SigHa FeedTh-SVMCB

Function: HIFI LOU ???? I b
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Pin Allocations TBD

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-57

Connector: 111200 P03
Item: HHLOU
EMC-Category: 2I/SigHa FeedTh-SVMCB

Function: HIFI LOU ??? Ila
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Pin Allocations TBD

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Project:

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Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
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Connector: 111200 P04

Item: HHLOU

EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Function: HIFI LOU ???? II b

Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

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Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-59

Connector: 111200 P05

Item: HHLOU

EMC-Category: 2i/SigHa FeedTh-SVMCB

Pin Allocations TBD

Function: HIFI LOU ??? III a

Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

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Project: **HERSCHEL**

Connector: 111200 P06
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List

(End-To-End)

Function: HIFI LOU ???? III b
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 **Date:** 15.05.2002
Sheet: EPA-60

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-61

Connector: 111200 P07

Item: HHLOU

EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Function: HIFI LOU ??? IV a

Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

Astrium GmbH

Project:

HERSCHEL

Connector: 111200 P08

Item: HHL0U

EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-62

Function: HIFI LOU ??? IV b

Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-63

Connector: 111200 P09

Item: HHLOU

EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Function: HIFI LOU ??? V a

Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

Astrium GmbH
Project: **HERSCHEL**

Connector: 111200 P10
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List (End-To-End)

Function: HIFI LOU ??? V b
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

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Issue: 01 **Date:** 15.05.2002
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Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-65

Connector: 111200 P11
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Function: HIFI LOU ???? VI a
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Pin Allocations TBD

Astrium GmbH
Project: **HERSCHEL**

Connector: 111200 P12
Item: HHLOU
EMC-Category: 2I/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List

(End-To-End)

Function: HIFI LOU ???? V I b
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 **Date:** 15.05.2002
Sheet: EPA-66

Astrium GmbH
Project: **HERSCHEL**

Connector: 111200 P13
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List (End-To-End)

Function: HIFI LOU ???? VI c
Location: 44 / LOU

Conn.-Type: DDMA-50P-NMB-FO
Backshell: TBC

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 **Date:** 15.05.2002
Sheet: EPA-67

Astrium GmbH

Project:

HERSCHEL

Connector: 111200 P14

Item: HHLOU

EMC-Category: 2/SigHa FeedTh-SVMCB

Pin Allocations TBD

Pin Allocation List (End-To-End)

Function: HIFI LOU ??? Vid

Location: 44 / LOU

Doc.No.: HP-2-ASED-IC-0001

Issue: 01

Date: 15.05.2002

Sheet: EPA-68

Conn.-Type: DDMA-50P-NMB-FO

Backshell: TBC

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List (End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-69

Connector: 111200 P15
Item: HHLOU
EMC-Category: 2/SigHa FeedTh-SVMCB

Function: HIFI LOU Heater 1 ????
Location: 44 / LOU

Conn.-Type: Not known Socket
Backshell: TBC

Pin Allocations TBD

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-70

Connector: 111200 P16
Item: HHLOU
EMC-Category: 2I/SigHa FeedTh-SVMCB

Function: HIFI LOU Heater 2 ???
Location: 44 / LOU

Conn.-Type: Not known Socket
Backshell: TBC

Pin Allocations TBD

Astrium GmbH
Project: **HERSCHEL**

Pin Allocation List

(End-To-End)

Doc.No.: HP-2-ASED-IC-0001
Issue: 01 Date: 15.05.2002
Sheet: EPA-71

Connector: 111400 P01
Item: HHLWU
EMC-Category: 2I/SigHa FeedTh-SVMCB

Function: HIFI LWU
Location: E2 / Wave Guides

Conn.-Type: Not known Socket
Backshell: TBC

Pin Allocations TBD

17 Supporting Information

17.1 Connector Mass budget (tbc)

17.2 Harness mass budget (tbc)

Insert PAL from CAIE DataBase

END OF DOCUMENT

Quantity	Name	Dep./Comp.	Quantity	Name	Dep./Comp.
	Alberti von Mathias Dr.	ED 544		Rühe Wolfgang	ED 3
	Barlage Bernhard	ED 62		Runge Axel	OTN/TN 94
	Bayer Thomas	ED 532		Sachsse Bernt	EC 34
	Faas Horst	ED 516		Sagner Udo	OTN/TN 64
	Grasl Andreas	OTN/TN 64		Schäffler Johannes	OTN/TN 64
	Grasshoff Brigitte	ED 511		Schink Dietmar	ED 522
	Hartmann Hans Dr.	ED 172		Schlosser Christian	OTN/TN 64
	Hauser Armin	ED 541		Schwabbauer Paul	OTN/ED 171
	Hinger Jürgen	ED 541		Schweickert Gunn	ED 544
	Hohn Rüdiger	ED 531		Steinger Eric	ED 522
	Hölzle Edgar	ED 171		Stritter Rene	ED 61
	Huber Johann	ED 532		Suttner Klaus	ED 542
	Hund Walter	ED 556		Tenhaeff Dieter	ED 544
	Idler Siegmund	ED 521		Thörmer Klaus-Horst Dr.	OTN/ED 37
	Ivány von András	EC 32		Wagner Adalbert	OTN/IP 35
	Jahn Gerd Dr.	ED 541		Wagner Klaus	ED 541
	Kalde Clemens	ED 513		Wietbrock, Walter	ED 511
	Kameter Rudolf	OTN/TN 64		Wilz Eberhard	OTN/ED 37
	Knoblauch August	ED 51		Wöhler Hans	ED 544
	Koelle Markus	ED 533		Zipf Ludwig	EC 32
	Kreeb Helmut	ED 541			
	Kroeker Jürgen	ED 515			
	Lamprecht Ernst	OTN/TN 72			
	Lang Jürgen	ED 556			
	Langfermann Michael	ED 531		Pastorino Michel	ASPI Resid.
	Mack Paul	OTN/TN 64			
	Maier Hans-Ulrich	ED 61		Alcatel (on FTP-Server)	
	Mauch Alfred	ED 544		ESTEC (on FTP-Server)	
	Moritz Konrad Dr.	ED 37			
	Müller Lutz	OTN/TN 64			
	Muhl Eckhard	OTN/TN 64		APCO	
	Peitzker Helmut	ED 37		MPEG	
	Peltz Heinz-Willi	ED 515		RALA	
	Peters, Gerhard	ED 533		SRON	
	Pietroboni Karin	ED 37			
	Puttlitz Joachim	OTN/ED 37			
	Raupp Helmut	ED 543			
	Rebholz Reinhold	ED 531			
	Reuß Friedhelm	ED 71			

