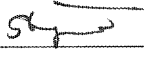
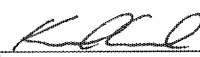

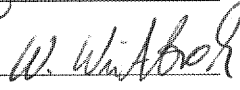
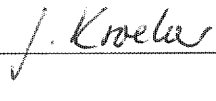


Title: **Electrical Interface Control Document EPLM
PFM**

CI-No: 120000

Prepared by:	<u>E. Steininger</u> 	Date:	<u>04.10.04</u>
Checked by:	<u>A. Knoblauch</u> 		<u>04.10.04</u>
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Distribution: See Distribution List (last page)

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Issue	Sheet	Date	Description of Change
1.0	All	15.05.02	Initial issue for Instrument IIDB Issue 2.0 Rev 0 With CR 10,17,26,30
1.1	All	31.07.2002	Implementation and refinement of Instrument and Cryo data according PACS-MA-SP-001 Issue 2.0 Date 10.06.02 SPIRE RAL-PRJ-000608 Issue 1.0 Date 08.07.02 HIFI SCIPT IIDB/HIFI 02125 Issue 2.2 Date 26.06.0 (not official released)
1.2	All	20.09.2002	HIFI CR37 implemented, Routing and Pin allocation via CVV Feed Throughs and SVM Brackets defined, Harness Bundle names changed, Interfaces and cable for Cryostat Control Components implemented, Pin allocation refinement for all connectors (Not official released)
2.0	All	12.03.2003	Due to major changes as New Feed Trough Connector Situation, deleting of BOLA and new Shielding Concepts the changes can not be listed. New issue 2.0 of Document
	All (HIFI)	23.05.2003	Issue 2.0 also released for first manufacturing inputs to CASA (Document only released as an extract of the database in electronic form)
2.1	PACS related part	06.06.2003	Issue 2.1 release for requested changes of DB by PACS -Shielding for Pins in Feed Throughs (Document only released as an extract of the database in electronic form)
2.2	PACS related part	11.07.2003	Issue 2.2 release for implementation of CR32 and PACS final comments (Document only released as an extract of the database in electronic form)
2.3	SPIRE related part	18.07.03	Issue 2.3 release for SPIRE instrument review Document only released as an extract of the database in electronic form)
2.4	PACS related part	28.07.2003	Changing of 4 Intermediated cables to Brass to fulfil PACS requirements. PACS Manufacturing release for CASA Document only released as an extract of the database in electronic form)
2.5	HIFI related part	15.08.2003	Issue 2.5 release for LOU implementation according CR 0037
2.6	All w.r.t. 1.0	30.08.2003	-Partly implementation of CCH informations -Changes of signal naming in PACS -Comments from SPIRE E-mail 22.08.03
2.7		15.10.2003	Reserved for CCH changes
2.8		15.10.2003	Late inputs from SPIRE for manufacturing release
3.0	all	18.11.2003	Update for Cryoharness CDR at CASA, reflecting a summary/collection of Iss. 2.0 up to Iss. 2.8, refer to ASER-MN-0530. Document only released as an extract of the database in electronic form.
3.1	all		Implementation of updated IID-B's, i.e. for HIFI IID-B Iss 3.1, for PACS Iss 3.11 and for SPIRE Iss 3.2. Document served as an internal working issue only, i.e. was not officially distributed !!
4.0	All	04.05.2004	CDR DP release Separation in main part (this document) and 4 sub ICD's
4.1	All	21.09.2004	new release of Sub – ICD "HP-2-ASER-IC-0013" to release 1.0.1 update of the document and new chapter "EPLM Harness" w.r.t. CDR

Issue	Sheet	Date	Description of Change
			RID's 11201;10989 (Ref. to HP-ASED-EM-0734-04) update change record w.r.t. CDR RID No. 11088 update Annex I to VII; remove Annex A to C

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1 Scope

This Interface Control Document (ICD) describes the electrical interfaces of the HERSCHEL Extended Payload Module. (EPLM) PFM.

It will be the overall generic information source for the electrical interfaces.

Interfaces, which are under Experimenter Control (FPU internal Interfaces) or under SVM 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 HEPLM CAIE Data Base contents provides all the necessary information for supporting the automated verification of the electrical interfaces with (IDAS) an Integrated Data Acquisition System

System information for

- Harness Type
- Routing
- Pin Allocation
- Connectors
- etc

may be derived from this database.

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 electrical 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 ASED 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 main 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

For a more effective handling and tracing the HEPLM electrical ICD is separated in the following documents with this release.

- Electrical ICD - Main Part HP-2-ASED-IC-0001
- CCH ICD PFM HP-2-ASED-IC -0013
- HIFI SIH ICD PFM HP-2-ASED-IC -0014
- PACS SIH ICD PFM HP-2-ASED-IC -0015
- SPIRE SIH ICD PFM HP-2-ASED-IC -0016

Information given in the main part (HP-2-ASED-0001) are relevant for all sub ICD's.

2 Documentation

2.1 General

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 Applicable Documents

- [AD1] Herschel/Planck Instrument Interface Document, Part A, SCI-PT-IIDA-04624 issue 3.1; 12.02.2004
- [AD2] Herschel/Planck Instrument Interface Document, Part B; Instrument "HIFI", SCI-PT-IIDB/HIFI-02125, Issue 3,1, 13.01.2004
- [AD3] Herschel/Planck Instrument Interface Document, Part B; Instrument "PACS", SCI-PT-IIDB/PACS-02126, Issue 3.2, 02.03.04
- [AD4] Herschel/Planck Instrument Interface Document, Part B; Instrument "SPIRE", SCI-PT-IIDB/SPIRE-02124, Issue 3.2, 01.03.04
- [AD5] Cryo Harness Interconnection diagram – CCH Upper Ring CVV, HP-2-ASED-ID-0088-01; Issue C
- [AD6] Cryo Harness Interconnection diagram - CCH Lower Ring CVV, HP-2-ASED-ID-0088-02; Issue C
- [AD7] Cryo Harness Interconnection diagram - CCH External Harness, HP-2-ASED-ID-0088-03; Issue C
- [AD8] Cryo Harness Interconnection diagram - SIH HIFI, HP-2-ASED-ID-0090; Issue C
- [AD9] Cryo Harness Interconnection diagram - SIH PACS, HP-2-ASED-ID-0089; Issue B
- [AD10] Cryo Harness Interconnection diagram - SIH SPIRE, HP-2-ASED-ID-0091; Issue B
- [AD11] Herschel Electrical Interface Control Document (Telescope), HER.NT.0187.T.ASTR
- [AD12] Cryo Harness Description, HP-2-ASED-TN-0103 issue 1; 19.04.2004
- [AD13] Description of the PLM FM Cryo Control Instrumentation, HP-2-ASED-TN-0048 issue 2.0; 30.03.2004
- [AD14] CRYO-HARNESS BRANCH CHARACTERISTICS, HP-2-ASED-TN-0085 issue 2.2 ; 19.07.2004
- [AD15] Electrical Interfaces of Herschel Cryogenic Components to Harness; HP-2-ASED-TN-0063; issue 1.1 12.04.2004

2.3 Reference Documents

- [RD1] Herschel-Planck EMC Analyses, H-P-1-ASPI-AN-0202 issue 2; 02.07.2004
- [RD2] HERSCHEL PLM Grounding Scheme", HP-2-ASED-DW-0001 issue 1; 22.04.2002
- [RD3] Herschel PLM EICD, HP-2-ASPI-ID-0621issue 2; 27.04.2004
- [RD4] Technical Specification and Qualification Planet For the HIFI Coax Cable Assembly
HP-2-ASED-PS-0048 issue 1; 28.07.2004
- [RD5] Cryo Cover ICD, HP-2-AAE-IC-0001
- [RD6] CCU ICD ; HP-2-PANT-IC-0225
- [RD7] PVA ICD ;HP-2-GAMI-IC-0001

3 EPLM Harness

The E-PLM harness consists of the following components:

- The **Cryostat Control Harness (CCH)**, including the Telescope Harness for the cryo control instrumentation wiring to the SVM (CCU and PCDU) units. The Cryostat Control Unit (CCU) provides operational access to the cryo system. For that purpose the payload module is equipped with the Cryostat Control Instrumentation (CCI), a set of monitoring and control devices (e.g. temperature sensors, pressure sensors, liquid He valves etc.) which are operated by the CCU via the CCH. In addition, the CCH provides also the electrical interconnection for those CCI devices (e.g. the telescope heaters and the CVV Cover NED) which will be operated directly from the SVM PCDU. The harness between the SVM I/F CB and the SVM PCDU respectively the Umbilical I/F is not part of the H-EPLM cryo harness but part of the SVM harness. The part of the CCH required for the operation of the additional CCI, needed during ground testing and the pre-launch phase only, ends at the SVM I/F CB.
- The **Scientific Instrument Harness (SIH)**, for the interconnection of the HIFI, PACS and SPIRE worm units, mounted within the SVM, with their related instrument cold units accommodated on the Optical Bench Assembly (OBA) within the Cryostat. In addition the electrical interconnections between the SVM mounted HIFI warm unit and the HIFI LOU, mounted externally on the CVV, is part of the SIH. The SIH (as well as the CCH) is especially designed for minimizing thermal losses, which have adverse effects on the cryostat lifetime. In addition, the faint measurement signals, generated by the detectors within the cold Focal Plane Units, have to be protected against any electromagnetic interference on their way via the SIH to the warm units by application of adequate signal grouping and proper shielding.

The CCH as well as the SIH is subdivided into a CVV internal, CVV external and SVM part as also explained in the following table.

	Cryo Control Harness (CCH) - for the cryo control instrumentation wiring to the SVM warm units	Scientific Instrument Harness (SIH) - for the interconnection between the warm and cold units of the HIFI, PACS and SPIRE instruments
CVV Internal	CVV int. CCH Between the CVV internal Cryo Control Instrumentation and the CVV feed through connectors.	CVV int. SIH Between the CVV internal instrument FPU's accommodated on the OBA and the CVV feed through connectors. The connectors at the instrument cold units are EPLM external interfaces.
CVV External	CVV ext. CCH Between the CVV external Cryo Control Instrumentation, the Telescope Instrumentation respectively the CVV feed through connectors and the SVM interface connector bracket. The connectors at the Telescope I/F CB and at the SVM I/F CB towards the PCDU and Umbilical are EPLM external interfaces.	CVV ext. SIH Between the CVV external HIFI LOU respectively the CVV feed through connectors and the SVM interface connector bracket. The connectors at the HIFI LOU are EPLM external interfaces.
SVM	SVM CCH Between the SVM interface connector bracket and the CCU. The power, Mil-bus 1553 B and AR 5 dry-loop connectors of the CCU are EPLM external interfaces.	SVM SIH Between the SVM interface connector bracket and instrument warm units of HIFI, PACS and SPIRE within the SVM. The connectors at the instrument warm units are EPLM external interfaces.

Table 3-1 Cryo Harness main segments and external interfaces

The Harness is further subdivided into individual harness bundles to respect the redundancy requirements as well as to consider the S/S and AIV constraints during integration.

The schematic of the Cryo Harness Segments and their major interfaces are shown in the EPLM electrical system overview below.

A detailed overview providing information concerning

- harness routing,
- harness bundle identification,
- connector bracket identification,
- connector identification

are given in the **Cryo Harness Interconnection Diagrams** related to the following **Cryo Harness main segments**:

- for the **CVV int. CCH** (rooted through the CVV upper ring) **HP-2-ASED-ID-0088-01 [AD5]**
- for the **CVV int. CCH** (rooted through the CVV lower ring) **HP-2-ASED-ID-0088-02 [AD6]**
- for the **CVV ext. CCH** (incl. Telescope and Cryo Cover CCH) **HP-2-ASED-ID-0088-03 [AD7]**
- for the **HIFI SIH** (CVV int./ext. and SVM part) **HP-2-ASED-ID-0090-01 [AD8]**
- for the **PACS SIH** (CVV int./ext. and SVM part) **HP-2-ASED-ID-0089-01 [AD9]**
- for the **SPIRE SIH** (CVV int./ext. and SVM part) **HP-2-ASED-ID-0091-01 [AD10]**

Detailed information concerning connector ID, connector type, connector weight, backshell type, cable type, cable length, cable weight and overshield for each individual cable bundle in the same sequence as shown in the Cryo Harness Interconnection Diagrams, are provided in the Technical Note about **Cryo Harness Branch Characteristics [AD14]**.

Detailed information with respect to the interface characteristics of the HPLM internal Cryostat Control Instrumentation (CCI) components are provided in the Technical Note **Electrical Interfaces of Herschel Cryogenic Components to Harness [AD15]** and in the **Cryo Cover ICD [RD5]**.

Detailed information with respect to the interface characteristics of the HPLM external interface to the telescope are provided in the **Telescope EICD [AD11]**.

Detailed information with respect to the interface characteristics of the HPLM external CCU power, MIL-BUS 1553 B and AR5 dry-Loop interfaces are provided in the **CCU ICD [RD6]**.

The Solar Array harness is not part of the EPLM Cryo Harness since it is directly connected to the SVM via the connector bracket SK 01A. Detailed information concerning the Solar Array I/F is provided in the **PVA ICD [RD7]** from Galileo Avionica.

Detailed information with respect to the interface characteristics of the HPLM external instrument warm and cold unit interfaces are provided in the following ICD's

- **HIFI IID-B [AD2]**
- **PACS IID-B [AD3]**
- **SPIRE IID-B [AD4]**

Detailed information with respect to the interface characteristics of the HPLM external interfaces for the HIFI coax cables are provided in [RD4].

4 How to use this Document

The EICD comprises the following generic Reports from the EPLM CAIE database with the DB input status of 21.09.2004.

- Subsystem List (Mechanical and electrical) SSL
- Item List (Mechanical and Electrical) with Support Equipment IL
- EMC Category and Sub Harness Type (Harness separation) EML
- Cable Type CDT
- Cable Characteristic List CCL
- Connector Type List CTL
- Connector Reference List ICL

These lists are applicable in particular for following sub ICD's. :

- CCH ICD PFM HP-2-ASED-IC-0013
- HIFI SIH ICD PFM HP-2-ASED-IC-0014
- PACS SIH ICD PFM HP-2-ASED-IC-0015
- SPIRE SIH ICD PFM HP-2-ASED-IC-0016

5 HEPLM Electrical Interfaces Generic Lists

5.1 Subsystem Lists

As far as relevant for this ICD in this list all the mechanical and electrical subsystems of the HEPLM are identified.

For the HEPLM CAIE Data Base there is no information in the leading 1 of the Product Tree. The HEPLM CAIE Database is limited to 3 digits, the leading 1 in the Subsystem list and the following PTI listings was deleted to achieve a better refinement for PTI's

Example

Original 12100 = Herschel Payload Module is now 210 xxx

Annex I contains the Subsystem List as an extract from the used CAIE database.

5.2 Item List

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 Subsystems 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 / CI, the item list contains a code without the prominent one from the PTI list as explained also in the chapter Subsystems. Special Items only used for the EQM are not listed at the in this database

Explanation of table headers in the Item List

Item Code (first column in table IL)

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
14x xxx	Telescope
21(Letter) xxx	Place holder for Cryostat Control Items (Thermistors, Accelerometers etc)
(Letter)	A= Accelerometer
	D= Direct Liquid Control and Measurement (DLCM)
	H= Heater
	L= Liquid Level Sensors
	N=NED(non explosive devices)
	P= Pressure Transducer
	PPS= Passive Phase Separator
	S= Status Monitoring Switches
	T= Thermistors
	V= Electrical Valves

The numbering system of the last 4 digits for the Cryostat Control items was taken from the well known and settled ISO numbering system.

HTT (HE-II Tank)	Group 100
OBA (Optical Bench Assembly)	Group 200
EPLM S/S	Group 300
Shield Group (Thermal Shields)	Group 400
GHe external ventlines	Group 500
Cover/Cryostat Baffle	Group 600
HOT (He-I Tank)	Group 700
Support Structure (TSS)	Group 800
CVV outside	Group 900

211 31x	Cryostat Cover Items
214 100	Cryostat Control Unit
3xx xxx	SV Module Items
31x xxx	SVM Brackets from Instruments and Telescope
	311 xxx = HIFI SVM CB's
	312 xxx = SPIRE SVM CB's
	313 xxx = PACS SVM CB's
	314 xxx = Telescope SVM CB's
321 xxx	Connector Brackets for Cryostat Control Items
42x xxx	SCOE Items
5xx xxx	EQM Items
6xx xxx	Virtual Items from Space Craft like PCDU etc

To allow an easy identification for Instrument units the 3rd digit in the PTI is used as following:

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

Item Identifier (2nd column in table IL)

Self explaining Abbreviation for the item

H	= HERSCHEL
HH	= HERSCHEL HIFI
Etc	

Item Name (3rd column in table IL)

The item name is the more explaining name of the item Identifier

Product Tree Reference (4th column in table IL)

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

Subsystem Affiliation (5th column in table IL)

Short Name Code of the Subsystem to which the item belongs to

Item Type (6th column in table IL)

The items will be distinctive according

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

Location (7th column in table IL)

The location code will be explained in the chapter 5.3

New

Change Index to mark changes.

Annex II contains the Item list as an extract from the used HEPLM CAIE Data Base.

5.3 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:

5.3.1 *Spacecraft Harness (1U, 2U, xU, ...)*

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 partially in the Database for Overview reason
Sometimes for the EPLM this harness is equivalent to T (test) harness

The spacecraft harness will be

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

5.3.2 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

OBDR 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

5.3.3 SVM Panel Harness between warm 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

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

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.

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

2S = Signal Lines as

Secondary Power to Optical Bench

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

3S = Low level analogue Signals

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

Especial PACS Lines

4S = RF lines from SVM Units to OB and others (HIFI)

XS = Special Lines TBD

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

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

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

2I = Signal interconnecting harness (HIFI, SPIRE, TELESCOPE and CCS Instrumentation)

3I = Low level analogue signal (PACS)

4I = RF lines

xi = Special lines tbd (Waveguides)

5.3.6 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

3C = Low level analogue Signal inside the Cryostat

4C = RF lines inside the Cryostat

xC = Special Lines tbd (Waveguides)

5.3.7 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

5.3.8 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 Information's in the DataBase.

Branch-ID	Cryo-Harness Branch Identification
	numbers shall be compliant to Instrument numbers
CCH-WE-xx	Cryo Control Harness Warm-EGSE-xx
CCH-WU-xx	Cryo Control Harness Warm-UMB-xx
CCH-WV-xx	Cryo Control Harness Warm-CVV-xx
CCH-WT-xx	Cryo Control Harness Warm-Telescope-xx
CCH-WN-xx	Cryo Control Harness Warm-NCA-xx
SIH-WP-xx	Scientific Instrument Harness-Warm-Pacs-xx
SIH-WH-xx	Scientific Instrument Harness-Warm-Hifi-xx
SIH-WS-xx	Scientific Instrument Harness-Warm-Spire-xx
CCH-IV-xx	CryoControl-Harness-Interface-CVV-xx
CCH-IT-xx	Cryo-Control-Harness-Interface-Telescope-xx
CCH-IN-xx	Cryo-Control-Harness-Interface-NCA-xx
SIH-IP-xx	Scientific Instrument Harness-Interface-Pacs-xx
SIH-IH-xx	Scientific Instrument Harness-Interface-Hifi-xx
SIH-IS-xx	Scientific Instrument Harness-Interface-Spire-xx
SIH-IB-xx	Scientific Instrument Harness-Interface-Bola-xx tbc
SIH-IL-xx	Scientific Instrument Harness-Interface-Lou-xx tbc
CCH-CB-xx	Cryo-Control-Harness-Cold-Optical Bench-xx
CCH-CF-xx	Cryo-Control Harness-Cold Framework-xx
CCH-CO-xx	Cryo Control-Harness-Cold-HOT-xx
CCH-CT-xx	Cryo Control-Harness-Cold HTT-xx
CCH-CV-xx	Cryo Control-Harness-Cold-Vessel-xx
SIH-CP-xx	Scientific Instrument Harness-Cold Pacs-xx
SIH-CH-xx	Scientific Instrument Harness-Cold Hifi-xx
SIH-CS-xx	Scientific Instrument Harness-Cold Spire-xx

In Annex III is a list of defined EMC classes for harness separation as an extract from the used HEPLM CAIE Data Base.

5.4 Cable Type List

In this table the principal used cable types are 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.

There is a list of defined cable types used in the HEPLM CAIE Data Base in annex IV. Implementation of the manufacturer code into the database is not possible for database internal reasons.

This list is an extract from the used HEPLM CAIE Data Base.

5.5 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 (resistance requirement calculation)
- Specific Capacitance per meter
- Cable diameter (routing, bundling)
- Metal Part in cable (thermal calculation)
- Insulation Part in Cable (thermal calculation)
- Specific Weight (harness weight calculation)

As far as yet implemented they can be used for supporting information.

This table is not yet completed and primary used for data base internal reason.

Therefore the cable characteristic list is for information only.

Annex V contains the Cable Characteristic List as an extract from the used HEPLM CAIE Data Base.

5.6 Connector Reference List

The connector reference list contains all used connectors defined in the database.

Annex VI shows the connector reference list as an extract of the HEPLM CAIE Data Base.

5.7 Pin allocation List Harness Side

This list describes the Harness side Connector Pin allocations based on Instrument IIDB's, Harness specifications as well as definition documents with respect to CCH and CCH instrumentation, Only the connectors which are under harness manufacturing responsibility are listed.

For am more effective handling and traceability the list is divided in to the following groups. :

- CCH ICD PFM
- HIFI SIH ICD PFM
- PACS SIH ICD PFM
- SPIRE SIH ICD PFM

The corresponding harness pin allocation lists, which are the major information for harness manufacturing are part of the sub ICD's as pointed out in chapter 6.

6 Sub ICD's

As a major information for the harness manufacturing the documents

- HP-2-ASED-IC-0013
- HP-2-ASED- IC-0014
- HP-2-ASED- IC-0015
- HP-2-ASED- IC-0016

contains the harness pin allocation list for the appropriate harness.

6.1 CCH Sub ICD

The CCH Sub ICD HP-2-ASED-IC-0013 form a part of this document to be the extent specified herein.

Unless an issue is quoted, the current issue is deemed to apply. When an issue is quoted that issue and no other must be used.

6.2 HIFI Sub ICD

The HIFI Sub ICD HP-2-ASED-IC-0014 form a part of this document to be the extent specified herein.

Unless an issue is quoted, the current issue is deemed to apply. When an issue is quoted that issue and no other must be used.

6.3 PACS Sub ICD

The PACS Sub ICD HP-2-ASED-IC-0015 form a part of this document to be the extent specified herein.

Unless an issue is quoted, the current issue is deemed to apply. When an issue is quoted that issue and no other must be used.

6.4 SPIRE Sub ICD

The SPIRE Sub ICD HP-2-ASED-IC-0016 form a part of this document to be the extent specified herein.

Unless an issue is quoted, the current issue is deemed to apply. When an issue is quoted that issue and no other must be used.

Annex I Subsystem List

Astrium GmbH		Subsystem List	Doc.No. : HP-2-ASED-IC-0001 / 4.1	
Project: HERSCHEL			DB Issue : 42	Date: 21.09.2004
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S/S-Code	Abbreviation	Subsystem Name	Company	Abbr.	New
000	H/P	Herschel/Plank System	ESA	ESA	
010	H	Herschel	ALCATEL	ASP	
020	P	Planck Satellite	ALCATEL	ASP	
100	CFE ITEMS	Herschel CFE Items	ESA	ESA	
110	HIFI	Herschel HIFI Instrument	SRON	SRO	
111	HIFI CU	HIFI Cryostat Units	SRON	SRO	
112	HIFI WU	HIFI Warm Units	SRON	SRO	
115	HIFI GSE	HIFI Instrument GSE	SRON	SRO	
120	SPIRE	Herschel SPIRE Instrument	RAL	RLA	
121	SPIRE CU	SPIRE Cryostat Units	RAL	RLA	
122	SPIRE WU	SPIRE Warm Units	RAL	RLA	
125	SPIRE GSE	SPIRE Instrument GSE	RAL	RLA	
130	PACS	Herschel PACS Instrument	MPEG	MPE	
131	PACS CU	PACS Cryostat Units	MPEG	MPE	
132	PACS WU	PACS Warm Units	MPEG	MPE	
135	PACS GSE	PACS Instrument GSE	MPEG	MPE	
140	HTL	Herschel Telescope	ASEF	ASF	
141	HTL BAF	Herschel Telescope incl Baffle	ASEF	ASF	
145	HTGSE	Herschel Telescope GSE	ASEF	ASF	
200	EPLM	Herschel Ext.Payl.Module	ASED	ASD	
210	PLM	Herschel Payload Module	ASED	ASD	
211	CSS	Cryostat Structure S/S	ASED	ASD	
212	CHS	Cryostat Helium S/S	ASED	ASD	

Project:
HERSCHEL

S/S-Code	Abbreviation	Subsystem Name	Company	Abbr.	New
213	CIS	Cryostat Insulation S/S	tbd	tbd	
214	CES	Cryostat Electrical S/S	tbd	tbd	
215	ISS	Instrument Secondary Structure	tbd	tbd	
220	TMS	Telescope Mounting Structure	tbd	tbd	
221	TMSCVV	TMS/CVV Struts	DSSA	tbd	
222	TMSMLI	TMS/CVV Struts MLI	AAEM	tbd	
223	TMSMF	TMSFrame	DSSA	tbd	
224	TMSCB	TMS/CB Struts	DSSA	tbd	
230	HSS	Solararray& Sunshade	DSSA	tbd	
231	HSSSTR	Solararray/Sunshade Structure	DSSA	tbd	
232	SPG	Solar Power Generator	DSSA	tbd	
233	THERMC	Thermal Control			
240	PLM/SVM IF	PLM/SVM Interface			
241	PLM/SVMIFS	PLM/SVM Interface Struts	ECAS	tbd	
242	PLM/SVMMLI	PLM/SVM Interface Struts MLI	AAEM	tbd	
243	SVMTSA	SVM Thermal Shiel Assembly			
300	SVM	SVM	tbd	tbd	
311	HIFISVMCB	HIFI SVM Connector Bracket	tbd	tbd	
312	SPIRESVMCB	SPIRE SVM Connector Bracket	tbd	tbd	
313	PACSSVMCB	PACS SVM Connector Bracket	tbd	tbd	
314	CCSSVMCB	Cryo Cov & Tel SVM Con. Bra	tbd	tbd	
315	EGSE CB	EGSE/Umb Con Bracket	tbd	tbd	
316	EXT VTL CB	External Ventline Con Bracket	tbd	tbd	

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S/S-Code	Abbreviation	Subsystem Name	Company	Abbr.	New
31X	SVM CFE	SVM CFE	AL	tbd	
321	CCH CB	SVM CCH CB (Th Shd)	tbd	tbd	
322		SVM Thermal Shield MLI	tbd	tbd	
400	GSE	GSEs			
410	H S/C GSE	Herschel S/C GSE	tbd	tbd	
411	H S/C MGSE	Herschel S/C MGSE	tbd	tbd	
412	H S/C EGSE	Herschel S/C EGSE	tbd	tbd	
413	S/C CVSE	see EPLM S/C CVSE	tbd	tbd	
414	S/C OGSE	see EPLM S/C OGSE	tbd	tbd	
420	EPLM GSE	EPLM GSE	tbd	tbd	
421	EPLM MGSE	EPLM MGSE	tbd	tbd	
422	EPLM EGSE	EPLM EGSE	tbd	tbd	
423	EPLM CVSE	EPLM CVSE	tbd	tbd	
424	EPLM OGSE	EPLM OGSE	tbd	tbd	
425		Mass Thermal Dummies	PROT		
426	TBD	Mockups	tbd	tbd	
427	CTA	Cryo Test Adapter PFM	tbd	tbd	
428	TBD	Miscellaneous	tbd	tbd	
430	HEXGSE	Herschel external GSE	tbd	tbd	
431	HEXEGSE	Herschel external EGSE	tbd	tbd	
500	HPLMEQM	Hersch Eng Qual Payload Module	tbd	tbd	
510	EQMPLM	PLM EQM	tbd	tbd	
511	EQM CSS	EQM Cryostat Struct Subsynt.	tbd	tbd	

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Subsystem List

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S/S-Code	Abbreviation	Subsystem Name	Company	Abbr.	New
512	EQM CRHEU	EQM Cryostat Helium Units	tbd	tbd	
513	EQM CIS	EQM Cryost. Insul. Subsys.	tbd	tbd	
514	EQM CES	EQM Cryost. Electr. Subsys.	tbd	tbd	
515	EQM ISSTR	EQM Instrum. Second. Struct.	tbd	tbd	
520	EQMSVMSIM	EQM SVM Simulator	tbd	tbd	
550	EQM AGSE	EQM additional GSE	tbd	tbd	
551	EQMISOMGS	EQM ref. ISO MGSE	tbd	tbd	
552	EQM ACVSE	EQM additional CVSE	tbd	tbd	

Annex II

Item List

Astrium GmbH		Item List	Doc.No.: HP-2-ASED-IC-0001 / 4.1	
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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Type	Location	New
<u>HERSCHEL (Item Code: 00*)</u>							
000000	H/P	Herschel/Plank System (not used)	00	H/P	-	HLS	
000010	H	Herschel Satellite (not used)	01	H	-	HLS	
<u>HERSCHEL INSTRUMENTS (Item Code: 1x*)</u>							
100000	HIS	Herschel Scientific Instruments	1x	SVM	E	INS	
<u>HERSCHEL HIFI (Item Code: 11*)</u>							
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	-	44	
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	
112410	HHHRH	HIFI High Res Spec Horizontal	112	HIFI	E	15	
112420	HHHRV	HIFI High Res Spec Vertical	112	HIFI	E	15	
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	
112900	HHWIH	HIFI Panel Warm Interc. Harn. (WIH)	117	HIFI	E	15	
113000	HHFS	HIFI Flight Spares	110	HIFI	-	INS	
115000	HHGSE	HIFI Instrument GSE	115	HIFI	-	GSE	
115100	HHMGSE	HIFI MGSE	115	HIFI	-	GSE	
115110	HHUTC	HIFI Unit Transport Cont (tbd)	115	HIFI	M	GSE	
115111	HHUTC1	HIFI Unit Transport Cont 1 (tbd)	115	HIFI	M	GSE	
115112	HHUTC2	HIFI Unit Transport Cont 2 (tbd)	115	HIFI	M	GSE	
115200	HHEGSE	HIFI EGSE	115	HIFI	-	GSE	
117000	HHWSVMIH	HIFI Harness	117	HIFI	E	HAR	
117100	HHCHARN	HIFI CVV Internal Harn. (C)	117	HIFI	E	HAR	
117200	HHIHARN	HIFI CVV Ext. Harn. (I)	117	HIFI	E	HAR	
117300	HHSHARN	SVMCB- Warm Units Harn. (S)	117	HIFI	E	HAR	
117900	HHCOHARN	HIFI Ceck Out Harness (T)	117	HIFI	E	HAR	
<u>HERSCHEL SPIRE (Item Code: 12*)</u>							
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	70	
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	

Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item- Type	Loca- tion	New
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	E	77	
121200	HSJFET	SPIRE JFET Box	121	SPIRE	E	76	
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 Harn (F)	121	SPIRE	E	INS	
121310	HSPCHARN	SPIRE Photo Cryo Harn (F)	121	SPIRE	E	INS	
121320	HSSCHARN	SPIRE Spec Cryo Harn (F)	121	SPIRE	E	INS	
121400	HS SHUT	SPIRE FPU Shutter	121	SPIRE	E	77	
121500	HS C HARN	SPIRE Cryogenic Harn (C) ?	121	SPIRE	E	HAR	
121600	HS I HARN	SPIRE CVV Int Harness (I) ?	121	SPIRE	E	HAR	
122000	SPIRE W UN	SPIRE Units on SVM (warm)	122	SPIRE	E	17	
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	12	SPIRE	-	INS	
125000	HSGSE	SPIRE Instrument GSE	125	SPIRE	-	GSE	
125100	HSMGSE	SPIRE MGSE	125	SPIRE	M	GSE	
125110	HSUTC	SPIRE Unit Transp Cont	125	SPIRE	M	GSE	
125120	HSHJIGS	SPIRE Integr. Jigs	125	SPIRE	M	GSE	
125200	HSOPGSE	SPIRE OGSE	125	SPIRE	M	GSE	
125210	HSALIGN	SPIRE Alignment	125	SPIRE	M	GSE	
125300	HSEGSE	SPIRE EGSE	125	SPIRE	E	GSE	
127000	HS W HARN	SPIRE Harness	127	SPIRE	E	HAR	
127100	HSCHARN	SPIRE CVV Int Harn (C)	127	SPIRE	E	HAR	
127200	HSIHARN	SPIRE CVV Ext.Harn (I)	127	SPIRE	E	HAR	
127300	HSSHARN	SPIRE SVM CB-Warm Units (S)	127	SPIRE	-	HAR	
127400	HSWHARN	SPIRE Pan Warm Interc. Harn (W))	127	SPIRE	E	HAR	
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	70	
131110	HPTEMPS I	PACS FPU Temp Sens (Instr Int)	131	PACS	E	77	
131111	HPFPUT1	PACS FPU Temp. Sens 1 (Instr Int)	131	PACS	E	77	
131112	HPFPUT2	PACS FPU Temp. Sens 2 (Instr Int)	131	PACS	E	77	
131113	HPFPUT3	PACS FPU Temp. Sens 3 (Instr Int)	131	PACS	E	77	
131114	HPFPUT4	PACS FPU Temp. Sens 4 (Instr Int)	131	PACS	E	77	
131120	HPCALS	PACS FPU Calib. Sour (Instr Int)	131	PACS	E	77	
131121	HPCALS1	PACS FPU Calibr Sour 1 (Instr Int)	131	PACS	E	77	
131122	HPCALS2	PACS FPU Calibr Sour 2 (Instr Int)	131	PACS	E	77	
131130	HPCHOP	PACS FPU Chop (Instr. Int)	131	PACS	E	77	
131131	HPFPUCHIF	PACS FPU Chop I/F (Instr Int)	131	PACS	E	77	

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Type	Location	New
131140	HPFWHR	PACS FPU Filter Whr (Instr. Int)	131	PACS	E	77	
131141	HPFWHR1	PACS FPU Filter Whr 1 (Instr Int)	131	PACS	E	77	
131142	HPFWHR2	PACS FPU Filter Whr2 (Instr Int)	131	PACS	E	77	
131150	HPGRAT	PACS FPU Grating (Instr. Int)	131	PACS	E	77	
131151	HPFUGRIF	PACS FPU Grat I/F (Instr. Int)	131	PACS	E	77	
131160	HPPHOTOM	PACS Photometer (Instr. Int)	131	PACS	E	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	E	77	
131170	HP SPEC	PACS Spectrometer (Instr. Int)	131	PACS	E	77	
131171	HPBPHOTO	PACS Blue Photom. (Instr Int)	131	PACS	E	77	
131172	HPRPHOTO	PACS Red Photom. (Instr Int)	131	PACS	E	77	
132000	PACS W UN	PACS Units on SVM (warm)	132	PACS	E	SVM	
132100	HPDECMEC	PACS DEC/MEC Nom/Red	132	PACS	E	18	
132300	HPBOLC	PACS Bolm./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	M	GSE	
135100	HPMGSE	PACS MGSE	135	PACS	M	GSE	
135110	HPUTC	PACS Unit Transp Cont	135	PACS	M	GSE	
135200	HPEGSE	PACS Electrical GSE	135	PACS	E	GSE	
135300	HPOGSE	PACS Optical GSE	135	PACS	E	GSE	
137000	HPWBH	PACS Harness	137	PACS	E	HAR	
137100	HPCHARN	PACS CVV Internal Harn (C)	137	PACS	E	HAR	
137200	HPIHARN	PACS CVV Ext Harn (I)	137	PACS	E	HAR	
137300	HPPHARN	PACS SVMCB-Warm Units (S)	137	PACS	E	HAR	
137400	HPWIH	PACS Panel Warm Interc. Harn. (W)	137	PACS	E	HAR	
137900	HPCOHARN	PACS Checkout Harness (T)	137	PACS	E	GSE	
TELESCOPE (Item Code: 14*)							
140000	HTL	Herschel Telescope	140	HTL	-	83	
141000	HTU	Herschel Telescope Unit	140	HTL	-	83	
141100	H TEL CB	Herschel Telesc Unit CB	140	HTL	-	83	
145000	HTGSE	Telescope GSE	140	HTL	M	GSE	
145100	HTCONT	Tansport Container	140	HTL	M	GSE	
145200	HTLDV	Lifting Device	140	HTL	M	GSE	
145300	HTPTC	Protective Cover	140	HTL	M	GSE	
EPLM (Item Code: 2x*)							
200000	EPLM	Extended Payload Module	2x	EPLM	-	PLM	
PLM (Item Code: 21*)							
210000	PLM	Payload Module	21	PLM	-	PLM	
211000	CSS	Cryostat Structure S/S	211	CSS	-	CSS	
211100	CVV	Cryostat Vakuu Vessel	211	CSS	-	CSS	
211110	CVVUB	CVV Upper Bulkhead	211	CSS	M	E1	
211120	CVVCY	CVV Cylinder	211	CSS	M	30	
211121	CVVUCR	Upper Connector Ring	211	CSS	E	33	
211123	CVVLCR	Lower Connector Ring	211	CSS	E	30	

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Location	New
211130	CCVLB	CVV Lower Bulkhead	211	CSS	M 30	
211140	CVVRN	CVV Radiator Nose	211	CSS	M 30	
211200	TSF	Tank Support & Spatial Framework	211	CSS	M CSS	
211210	STR	Tank Straps Lower and Upper	211	CSS	M 30	
211211	UTSC	Upper Tank Straps Chain	211	CSS	M CSS	
211212	LTSC	Lower Tank Straps Chain	211	CSS	M CSS	
211213	CHBOL	Chain Bolts	211	CSS	M CSS	
211214	STRPREDEV	Strap Pretensioning Devices	211	CSS	M CSS	
211220	SPAF	Spatial Framework	211	CSS	- 30	
211221	USPFW	Upper Spatial Framework	211	CSS	M CSS	
211222	LSPFW	Lower Spatial Framework	211	CSS	M CSS	
211300	CCC	Cryostat Cover & Cavity	211	CSS	M CSS	
211310	CC CB	Cryostat Cover Con Bracket	211	CSS	E CSS	
211311	CC FTH CB	Cryostat Cover Feed Thr CB	211	CSS	E CC	
211320	C	Cavity	211	CSS	- 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	
212250	RUPDIS	Rupture Disc	212	CHS	M 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	
212400	HST	Helium System Tubing	212	CHS	M CSS	
212410	INTTUB	Internal Tubing	212	CHS	M CSS	
212411	HelITTUB	Helium II Tank Tubing	212	CHS	M CSS	
212412	HelITTUB	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	
212510	HOT CB	Helium I Tank Connector Bracket	212	CHS	E 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	
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	
213212	2LBTS	2nd Lower Bilkhead 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 Uppper Bulkhead Thermal Shield	213	CIS	I ITS	
213300	OBS	Otical 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	

Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Type	Location	New
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	HEIITMLI	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 Assembly	214	CES	E	EL	
214100	CCU	Cryostat Control Unit	214	CES	E	17	
214200	CCI	C.Control Instrument. Delete	214	CES	E	30	
214210	CCITS	CC. Instr. Temp Sens (>21T*) delete	214	CES	E	30	
214220	CCIPS	CC. Instr. Press Sens (>21P*) dele	214	CES	E	30	
214230	CCITAC	CC. Instr. Accelerm (> 21A*) delet	214	CES	E	30	
214300	PCH	PLM Cryostat Harness	214	CES	E	30	
214310	CCH	Cryostat Control Harness	214	CES	E	30	
214311	CCCHARN	Cryo CVV Intern Harn (C)	214	CES	E	EL	
214312	CCIHARN	Cryo CVV Extern. Harn (I)	214	CES	E	EL	
214313	CCSHARN	Cryo SVM CB to Pan Harn (S)	214	CES	E	EL	
214314	CCISH	Cryo Contr. Instrum. Harn	214	CES	E	EL	
214320	SIH	Scient Instr. Harness	214	CES	E	INS	
214321	CHSPHARN	CVV Int HIFI SPIRE PACS Harn (Cold)	214	CES	E	EL	
214322	IHSPHARN	Ext HIFI SPIRE PACS Harn (Interm)	214	CES	E	EL	
214323	SHPSHARN	SVM Pan HIFI PACS SPIRE Har(Warm)	214	CES	E	EL	
214331	CCHUSFCB	CCH USF Con. Brack. Quadr. +Z +Y	214	CES	E	57	
214332	USFW-CB	CCH USF Con. Brack. Quadr. -Y +Z	214	CES	E	57	1C
214333	USFW-CB	CCH USF Con. Brack. Quadr. -Z -Y	214	CES	E	57	1C
214334	USFW-CB	CCH USF Con. Brack. Quadr. +Z -Y	214	CES	E	57	1C
214341	LSFW-CB	CCH LSF Con. Brack. Quadr. +Y/+Z	214	CES	E	EL	1C
214342	LSFW-CB	CCH LSF Con. Brack. Quadr. -Y/+Z	214	CES	E	EL	1C
214343	LSFW-CB	CCH LSF Con. Brack. Quadr. -Y/-Z	214	CES	E	EL	1C
214344	LSFW-CB	CCH LSF Con. Brack. Quadr. +Y/-Z	214	CES	E	EL	1C
214411	OBS-CB	CCH OB Shd Brack. Near Strap 1	214	CES	E	72	1C
214421	TS-CB	Low Bulkh Shd1 Brack. near Strap 18	214	CES	E	53	1C
214422	TS-CB	Cyl Shd 1 Brack. near Strap 18	214	CES	E	53	1C
214423	TS-CB	Up Bulkh 1Shd Br. near Str 08 J/02	214	CES	E	53	1C
214424	TS-CB	Up Bulkh 1Shd Br. near Str 08 J/P01	214	CES	E	53	1C
214425	TS-CB	Up Bulkh 1Shd Br. near Str 08 J/P03	214	CES	E	53	1C
214441	TS-CB	Low Bulkh Shd2 Brack. near Strap 18	214	CES	E	53	1C
214442	TS-CB	Cyl Shd 2 Brack. near Strap 18	214	CES	E	53	1C
214443	TS-CB	Up Bulkh 2Shd Br. near Str 08 J/P02	214	CES	E	54	1C
214444	TS-CB	Up Bulkh 2Shd Br. near Str 08 J/P01	214	CES	E	54	1C

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214461	TS-CB	Low Bulkh Shd3 Brack. near Strap 18	214	CES	E	53	1C
214462	TS-CB	Cyl Shd 3 Brack. near Strap 18	214	CES	E	53	1C
214463	TS-CB	Up Bulkh 3Shd Br. near Str 08 J/P01	214	CES	E	55	1C
214464	TS-CB	Up Bulkh 3Shd Br. near Str 08 J/P01	214	CES	E	55	1C
21A101	HTTA101	HTT Acc. A101	214	CES	E	61	
21A102	HTTA102	HTT Acc. A102	214	CES	E	61	
21A103	HTTA103	HTT Acc. A103	214	CES	E	61	
21A104	HTTA104	HTT Acc. A104	214	CES	E	61	
21A105	HTTA105	HTT Acc. A105	214	CES	E	61	
21A106	HTTA106	HTT Acc. A106	214	CES	E	61	
21A107	HTTA107	HTT Acc. A107	214	CES	E	61	
21A108	HTTA108	HTT Acc. A108	214	CES	E	61	
21A109	HTTA109	HTT Acc. A109	214	CES	E	61	
21A201	OBA201	OB Acc. A201	214	CES	E	70	
21A202	OBA202	OB Acc. A202	214	CES	E	70	
21A203	OBA203	OB Acc. A203	214	CES	E	70	
21A204	OBA204	OB Acc. A204	214	CES	E	70	
21A205	OBA205	OB Acc. A205	214	CES	E	70	
21A206	OBA206	OB Acc. A206	214	CES	E	70	
21A207	PACSA207	PACS Acc. A207	214	CES	E	70	1C
21A208	PACSA208	PACS Acc. A208	214	CES	E	70	1C
21A421	A4211stSh	A421 1st Shd Accelerometer	214	CES	E	53	
21A422	A422 1stSh	A422 1st Shd Accelerometer	214	CES	E	53	
21A701	HOTA701	HOT Acc. A701	214	CES	E	62	
21A702	HOTA702	HOT Acc A702	214	CES	E	62	
21A703	HOTA703	HOT Acc. A703	214	CES	E	62	
21D101	DLCM 1	HTT DLCM 1	214	CES	E	61	1C
21D102	DLCM 2	HTT DLCM 2	214	CES	E	61	1C
21H103	HTTH103	HTT Depl Htr H103	214	CES	E	61	
21H104	HTTH104	HTT Depl Htr H104	214	CES	E	61	
21H331	HT 9.x M1	Telesc Htr Line 9 M1	214	CES	E	83	
21H332	HT 3.x M1	Heater Line 3 M1	214	CES	E	83	
21H333	HT 4.x M1	Heater Line 4 M1	214	CES	E	83	
21H334	HT 5.x M1	Heater Line 5 M1	214	CES	E	83	
21H335	HT 6.x M1	Heater Line 6 M1	214	CES	E	83	
21H336	HT 7.x M1	Heater Line 7 M1	214	CES	E	83	
21H337	HT 8.x M1	Heater Line 8 M1	214	CES	E	83	
21H338	HT 1 M2	Heater Line 1 M2	214	CES	E	83	
21H339	HT 2 M2	Heater Line 2 M2	214	CES	E	83	
21H501	HighPwH501	High Pwr Htr H501	214	CES	E	63	
21H502	ExVentH502	Ext. Ventl. Htr H502	214	CES	E	63	
21H503	ExVentH503	Ext. Ventl. Htr H503	214	CES	E	63	
21H701	HOTH701	HOT Htr H701	214	CES	E	62	
21H702	HOTH702	HOT Htr H702	214	CES	E	62	
21L101	HTTL101	HTT Liq Level Sens L101	214	CES	E	61	
21L102	HTTL102	HTT Liq Level Sens L102	214	CES	E	61	
21L701	HOTL701	HOT Liq Level Sens L701	214	CES	E	62	
21L702	HOTL702	HOT Liq Level Sens L702	214	CES	E	62	
21N601	CovN601	C.Cover Non Expl Dev 601 (211310)	214	CES	E	36	
21N602	CovN602	C.Cover Non Expl Dev 602 (211310)	214	CES	E	36	
21P101	HTTP101	HTT Press. Sensor P101	214	CES	E	61	
21P102	HTTP102	HTT Press. Sensor P102	214	CES	E	61	
21P501	ExVentP501	Ext. Ventl. PressTrans P503	214	CES	E	63	
21P502	ExVentP502	Ext. Ventl. PressTrans P502	214	CES	E	63	
21P701	HOTP701	HOT PressTrans P701	214	CES	E	62	

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21PPS1	HTT PPS1	HTT PhaseSeparator 1	214	CES	E	61	
21S601	CovSNO601	Cover StatMon Nom op (211310)	214	CES	E	CC	
21S602	CovSNC602	Cover StatMon Nom cl (211310)	214	CES	E	CC	
21S603	CovSRO603	Cover StatMon Red op (211310)	214	CES	E	CC	
21S604	CovSRC604	Cover StatMon Red cl (211310)	214	CES	E	CC	
21T102	HTTT102	HTT TempSensT102 DL2CM2	214	CES	E	61	
21T103	HTTT103	HTT TempSens P T103	214	CES	E	61	
21T104	HTTT104	HTT TempSens P T104	214	CES	E	61	
21T105	HTTT105	HTT TempSens P T105	214	CES	E	61	
21T106	HTTT106	HTT TempSens C T106	214	CES	E	61	
21T107	HTTT107	HTT TempSens C T107	214	CES	E	61	
21T111	HTTT111	HTT PhaseSeparator T111	214	CES	E	61	
21T112	HTTT112	HTT PhaseSeparator T112	214	CES	E	61	
21T113	HTTT113	HTT TempSens C T113	214	CES	E	61	
21T114	HTTT114	HTT TempSens C T114	214	CES	E	61	
21T202	OBAT202	T202 PACS A +Zft Tsens	214	CES	E	70	
21T207	OBAT207	T207 HIFI E L2-Y+Zft Tsens	214	CES	E	70	
21T208	OBAT208	T208 HIFI B L2-Y+Zft Tsens	214	CES	E	70	
21T211	OBIST211	T211 HIFI InstrShd Tsens	214	CES	E	70	
21T212	OBIST212	T212 PACS Instr Shd Tsens	214	CES	E	70	
21T213	OBIST213	T213 SPIRE Instr Shd Tsens	214	CES	E	70	
21T221	OBAT221	T221 PACS A L0CStr1 Tsens	214	CES	E	70	
21T222	OBAT222	T222 PACS B L0CStr2 Tsens	214	CES	E	70	
21T223	OBAT223	T223 PACS A L0CStr3 Tsens	214	CES	E	70	
21T224	OBAT224	T224 PACS B L0CStr4 Tsens	214	CES	E	70	
21T225	OBAT225	T225 SPIRE B L0Str5 Tsens	214	CES	E	70	
21T226	OBAT226	T226 SPIRE B L0Str6 Tsens	214	CES	E	70	
21T227	OBAT227	T227 SPIRE A L0Str7 Tsens	214	CES	E	70	
21T228	OBAT228	OBCS TempSens C T228	214	CES	E	70	
21T231	OBAT231	T231 PACS B L1inlet Tsens	214	CES	E	70	
21T232	OBAT232	T232 PACS A L1dsStr1 Tsens	214	CES	E	70	
21T233	OBAT233	T233 PACS B L1dsStr2 Tsens	214	CES	E	70	
21T234	OBAT234	T234 PACS A L1dsSTR3 Tsens	214	CES	E	70	
21T235	OBAT235	T235 SPIRE B L1usStr4 Tsens	214	CES	E	70	
21T236	OBAT236	T236 SPIRE A L1dsStr4 Tsens	214	CES	E	70	
21T237	OBAT237	T237 HIFI B L1Str5 Tsens	214	CES	E	73	
21T242	OBAT242	T242 PACS B L1FPUStr1 Tsens	214	CES	E	77	
21T244	OBAT244	T244 HIFI A L1Str5 Tsens	214	CES	E	73	
21T246	OBAT246	T246 SPIRE A Str2 Tsens	214	CES	E	77	
21T247	OBAT247	T247 SPIRE B L3JFSStr1 Tsens	214	CES	E	77	
21T248	OBAT248	T248 SPIRE B L1Str4 Tsens	214	CES	E	77	
21T249	OBAT249	T249 SPIRE EGSE JFS Tsens	214	CES	E	77	
21T250	OBAT250	T250 SPIRE A JFS Tsens	214	CES	E	77	
21T251	OBAT251	T251 SPIRE EGSE JFP Tsens	214	CES	E	77	
21T252	OBAT252	T252 SPIRE B JFP Tsens	214	CES	E	77	
21T253	OBAT253	T253 SPIRE EGSE Centfoot Tsens	214	CES	E	77	
21T254	OBAT254	T254 SPIRE B Centfoot Tsens	214	CES	E	77	
21T255	OBAT255	T255 SPIRE EGSE +Y-Z foot Tsens	214	CES	E	77	
21T256	OBAT256	T256 SPIRE B +Y-Z foot Tsens	214	CES	E	77	
21T258	OBAT258	T258 SPIRE A -Y-Z foot Tsens	214	CES	E	77	
21T301	SunshIT301	Sunshld TempSens P T301	214	CES	E	81	
21T302	SunshIT302	Sunshld TempSens P T302	214	CES	E	81	
21T303	SunshIT303	Sunshld TempSens P T303	214	CES	E	81	
21T304	SunshIT304	Sunshld TempSens P T304	214	CES	E	81	
21T305	SunshIT305	Sunshld TempSens P T305	214	CES	E	81	
21T306	SunshIT306	Sunshld TempSens P T306	214	CES	E	81	

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21T311	SunshaT311	Sunshade TempSens P T311	214	CES	E	82	
21T312	SunshaT312	Sunshade TempSens P T312	214	CES	E	82	
21T313	SunshaT313	Sunshade TempSens P T313	214	CES	E	82	
21T314	SunshaT314	Sunshade TempSens P T314	214	CES	E	82	
21T315	SunshaT315	Sunshade TempSens P T315	214	CES	E	82	
21T316	SunshaT316	Sunshade TempSens P T316	214	CES	E	82	
21T321	SVMSht321	SVMSHld TempSens P T321	214	CES	E	SVM	
21T322	SVMSht322	SVMSHld TempSens P T322	214	CES	E	SVM	
21T323	SVMSht323	SVMSHld TempSens P T323	214	CES	E	SVM	
21T324	SVMSht324	SVMSHld TempSens P T324	214	CES	E	SVM	
21T331	HTTH331	Telesc. Therm 331 CCU A	214	CES	E	83	
21T332	HTTH332	Telesc. Therm 332 CCU B	214	CES	E	83	
21T333	HTTH333	Telesc. Therm 333 CCU A	214	CES	E	83	
21T334	HTTH334	Telesc. Therm 334 CCU B	214	CES	E	83	
21T335	HTTH335	Telesc. Therm 335 CCU A	214	CES	E	83	
21T336	HTTH336	Telesc. Therm 336 CCU B	214	CES	E	83	
21T337	HTTH337	Telesc. Therm 337 CCU A	214	CES	E	83	
21T338	HTTH338	Telesc. Therm 338 CCU B	214	CES	E	83	
21T339	HTTH339	Telesc. Therm 339 CCU A	214	CES	E	83	
21T340	HTTH340	Telesc. Therm 340 CCU A	214	CES	E	83	
21T341	HTTH341	Telesc. Therm 341 CCU B	214	CES	E	83	
21T342	HTTH342	Telesc. Therm 342 CCU A	214	CES	E	83	
21T421	1stShT421	1st Shld lp TempSens P T421	214	CES	E	53	
21T422	1stShT422	1st Shld cp TempSens P T422	214	CES	E	53	
21T423	T4231stSh	T423 1st Shd uc TSens P	214	CES	E	53	
21T424	T4241stSh	T424 1st Shd uc TSens P	214	CES	E	53	
21T441	1stShT441	2nd Shld lp TempSens P T441	214	CES	E	54	
21T442	2ndShT442	2nd Shld cp TempSens P T442	214	CES	E	54	
21T443	T4432ndSh	T443 2nd Shd uc Tsens	214	CES	E	54	
21T444	T4442ndSh	T444 2nd Shd uc TSens P	214	CES	E	54	
21T461	3rdShT461	3rd Shld lp TempSens P T461	214	CES	E	55	
21T462	3rdShT462	3rd Shld cp TempSens P T462	214	CES	E	55	
21T463	T4633rddSh	T463 3rd Shd uc TSens P	214	CES	E	55	
21T464	T4643rddSh	T464 3rd Shd uc TSens P	214	CES	E	55	
21T501	ExVentT501	Ext.Ventl. TempSens P T501	214	CES	E	63	
21T502	ExVentT502	Ext.Ventl. TempSens NCrN T501	214	CES	E	63	
21T504	ExVentT504	Ext.Ventl. TempSens P T504	214	CES	E	63	
21T505	ExVentT505	Ext.Ventl. TempSens P T505	214	CES	E	63	
21T506	ExVentT506	Ext.Ventl. TempSens P T506	214	CES	E	63	
21T507	ExVentT507	Ext.Ventl. Unit TempSens P T507	214	CES	E	63	
21T601	CovInT601	Cov.Inside TempSens T601 (211311)	214	CES	E	CC	
21T602	CovInT602	Cov.Inside TempSens T602 (211311)	214	CES	E	CC	
21T651	CovTP651	Cav. TempSens P T651 (exch. 211314)	214	CES	E	CC	
21T652	CovTC652	Cav. TempSens C T652 (exch. 211315)	214	CES	E	CC	
21T653	CovTP653	Cav. TempSens P T653 (exch 211319)	214	CES	E	CC	
21T654	CovTC654	Cav. TempSens C T654 (exch 21131A)	214	CES	E	CC	
21T701	HOTT701	HOT TempSens P T701	214	CES	E	62	
21T702	HOTT702	HOT TempSens C T702	214	CES	E	62	
21T703	HOTT703	HOT TempSens C T703	214	CES	E	62	
21T704	HOTT704	HOT TempSens P T704	214	CES	E	62	
21T801	LChT801	LowChain TempSens P T801	214	CES	E	51	
21T802	LChT802	LowChain TempSens P T802	214	CES	E	51	
21T803	LChT803	LowChain TempSens P T803	214	CES	E	51	
21T804	LChT804	LowChain TempSens P T804	214	CES	E	51	2C
21T805	LChT805	LowChain TempSens P T805	214	CES	E	51	
21T806	LChT806	LowChain TempSens P T806	214	CES	E	51	2C
21T851	UChT851	UppChain TempSens P T851	214	CES	E	56	2C

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Type	Loca-tion	New
21T852	UCHT852	UppChain TempSens P T852	214	CES	E	56	
21T853	UCHT853	UppChain TempSens P T853	214	CES	E	56	2C
21T861	USFT861	UppSpatFW TempSens P T861	214	CES	E	57	
21T862	TS-CB	UppSpatFW TempSens P T862	214	CES	E	57	1C
21T901	CVVT901	CVW ext TempSens P T901	214	CES	E	30	
21T902	CVVT902	CVW ext TempSens P T902	214	CES	E	30	
21T903	CVVT903	CVW ext TempSens P T903	214	CES	E	30	
21T904	CVVT904	CVW ext TempSens P T904	214	CES	E	30	
21T905	CVVT905	CVW ext TempSens P T905	214	CES	E	30	
21T906	CVVT906	CVW ext TempSens P T906	214	CES	E	30	
21T907	CVVT907	CVW ext +YRad TempSens P T907	214	CES	E	42	
21T908	CVVT908	CVW ext +YRad TempSens P T908	214	CES	E	42	
21T909	CVVT909	CVW ext -YRad TempSens P T909	214	CES	E	42	
21T910	CVVT910	CVW ext -YRad TempSens P T910	214	CES	E	42	
21T911	CVVT911	CVW ext TempSens P T911	214	CES	E	30	
21T912	CVVT912	CVW ext TempSens P T912	214	CES	E	30	
21T921	CVVT921	CVW ext BOLA BB TempSens P T921	214	CES	E	43	
21T922	CVVT922	CVW ex tBOLA BB TempSens P T922	214	CES	E	43	
21T931	CVVT931	CVW ext Lou BB TempSens P T931	214	CES	E	44	
21T932	CVVT932	CVW ext Lou Rad TempSens P T932	214	CES	E	44	
21T933	CVVT933	CVW ext Lou Rad TempSens PT933	214	CES	E	44	
21T934	CVVT934	CVW ext WaveGd Lou TempSens P T9	214	CES	E	44	
21T935	CVVT935	CVW ext WaveGd Lou TempSens P T9	214	CES	E	E2	
21V102	HTTV102	HTT EI Valve V102	214	CES	E	61	
21V103	HTTV103	HTT EI Valve V103	214	CES	E	61	
21V104	HTTV104	HTT EI Valve V104	214	CES	E	61	
21V105	HTTV105	HTT EI Valve V105	214	CES	E	61	
21V106	HTTV106	HTT EI Valve V106	214	CES	E	61	
21V501	ExVentV501	Ext. Ventl. EI Valve V501	214	CES	E	63	
21V503	ExVentV503	Ext. Ventl. EI Valve V503	214	CES	E	63	
21V504	ExVentV504	Ext. Ventl. EI Valve V504	214	CES	E	63	
21V505	ExVentV505	Ext. Ventl. EI Valve V505	214	CES	E	63	
21V701	HOTV701	HOT EI Valve V701	214	CES	E	62	
21V702	HOTV702	HOT EI Valve V702	214	CES	E	62	
215000	ISS	Instrument Secondary Structure	215	ISS	M	CSS	
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	Opt Bench Harn Con. Bra (214411)	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	?	

Telesc. Mounting Structure (Item Code: 22*)

220000	HTM	Herschel Telescope Module	22	TMS	M	83	
221000	HTL	Herschel Telesc. Mounting Struts	221	TMSCVV	M	83	
222000	TMS	Telescope Mounting Struts MLI	222	TMSMLI	M	83	
223000	HTMF	Herschel Telesc Mount. Frame	223	TMSMF	M	83	
223100	HTSSCB	Hersch Telesc M.Fr Con Bra (141100)	223	TMSMF	E	83	

HSS (Item Code: 23*)

230000	HSS	Herschel Sunshield & Sunshade	23	HSS	M	81	
231000	SSS	Sunshield/Sunshade Structure	231	HSSSTR	M	81	

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item-Location	New
231100	SS	Sun Shield	231	HSSSTR	M 81	
231110	SSP	Sun Shield Panels	231	HSSSTR	M 81	
231120	SSPS	Support	231	HSSSTR	M 81	
231200	SSH	Sunshade	231	HSSSTR	M 81	
231210	SSDP	Sunshade Panels	231	HSSSTR	M 81	
231220	SHDS	Sunshade Support	231	HSSSTR	M 81	
231230	HSS CB	Herschel Sunshade Con Bracket	231	HSSSTR	E 82	
232000	HSPGS	Solar Power Generator System	232	SPG	E 81	
232100	HSPG	HERSCHEL Solar Power Generator	232	SPG	E 81	
232200	HSPGT	HERSCHEL SolarArray Termistor	232	SPG	E 81	
232300	SPGC	Solar Power Generator Wiring & Cell	232	SPG	E 81	
233000	SRS?	Sunshade Radating Surface ?	233	THERMC	M 81	

PLM SVM IF Structure (Item Code: 25*)

250000	PLM SVM IF	PLM SVM Interfaces Structure	25	PLM/SVM IF	-	HLS
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H SVM (Item Code: 3x*)

300000	HSVM	Herschel SVM	3x	SVM	-	SVM
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H SVM INSTR/TELE/LAUNCH CB (Item Code: 31*)

310000	HSVMCB	Herschel Service Modul CB	31x	SVM	E	SVM
311000	HHSVMCB	HIFI Con. Bracket	311	HIFISVMCB	E	20
311100	HHSVMCB1	HIFI SVM CB FCU FPU P01-P10	311	HIFISVMCB	E	25
311200	HHSVMCB2	HIFI SVM CB LCU LOU P11-P17	311	HIFISVMCB	E	26
311300	HHSVMCB3	HIFI SVM CB HRI WEH FPU Coax	311	HIFISVMCB	E	26
312000	HSSVMCB	SPIRE Con. Bracket	312	SPIRESVMCB	E	27
312100	HSSVMCB1	SPIRE SVM CB 1 Bundle 03/04/05	312	SPIRESVMCB	E	27
312200	HSSVMCB2	SPIRE SVM CB2 Bundle 1/2/6/7/8/9	312	SPIRESVMCB	E	27
312300	HSSVMCB3	SPIRE SVM CB3 Bundle 10/11/12/13	312	SPIRESVMCB	E	27
313000	HPSVMCB	PACS Con. Bracket	313	PACSSVMCB	E	28
313100	HPSVMCB1	PACS SVM CB 1 (XP 1to 8)	313	PACSSVMCB	E	28
313200	HPSVMCB2	PACS SVM CB 2 (XP 19 to 24)	313	PACSSVMCB	E	22
314000	TSCSVMCB	TEL Con. Bracket	314	CCSSVMCB	E	21
314100	TSCSVMCB	Cryo Cover SVM CB1 Sensors	314	CCSSVMCB	E	21
314200	CCSVMCB	Cryo Cover SVM CB	314	CCSSVMCB	E	21
314300	TSCSVMCB3	TEL-SVM CB3 Heaters to S/C	314	CCSSVMCB	E	21
315000	HEGSECB	EGS/UMB. SVM CB Place Holder	315	EGSE CB	E	21
315100	SVM EGSEC	Sens ACC to EGSE&Facility R/O	315	EGSE CB	E	28
315200	HACCEL CB	Accel. CCH CB	315	EGSE CB	E	28
316000	Launch	Launch IF CB tbd	315	EGSE CB	-	28
316100	CCU EV CB	Ext Ventl to CCU CB	316	EXT VTL CB	E	26

TBD (Item Code: 32*)

321000	CCHCB	Herschel SVM CCH CB Place Holder	321	CCH CB	-	28
321100	EGSE CB	EGSE Con Bra	321	CCH CB	E	26
321200	CCU A CB	Herschel SVM CCU A CB	321	CCH CB	E	28
321300	CCU B CB	Herschel SVM CCU B CB	321	CCH CB	E	28

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item- Type	Loca- tion	New
<u>H SVM (Item Code: 3x*)</u>							
331100	SVMSH	SVM Shield Con. Bracket	3x	SVM	E	SVM	
<u>H SVM (Item Code: 3x*)</u>							
390000	HSC_UMBI/F	Herschel S/C Umbilical Interface	3x	CCH CB	-	28	
<u>H GSE (Item Code: 4*)</u>							
400000	HGSE	Herschel GSE	4	GSE	M	GSE	
<u>H S/C GSE (Item Code: 41*)</u>							
410000	HSCGSE	Herschel S/C GSE	41	H S/C GSE	M	GSE	
411000	HSCMGSE	Herschel S/C MGSE	411	H S/C GSE	M	GSE	
411100	CONT	Transport Container	411	H S/C GSE	M	GSE	
412000	S/CEGSE	Herschel S/C EGSE	412	H S/C GSE	M	GSE	
413000	S/CCVSE	Herschel S/C CVSE	413	H S/C GSE	-	GSE	
414000	S/COGSE	Herschel S/C OGSE	414	H S/C GSE	-	GSE	
411200	MPA	Mass Property Adapter	411	H S/C MGSE	M	GSE	
411300	VTA	Vibration Test Adapter	411	H S/C MGSE	M	GSE	
411400	TTA	Thermal Test Adapter	411	H S/C MGSE	M	GSE	
411500	RTAA	Raotary Table Alignment Adapter	411	H S/C MGSE	M	GSE	
411600	TTAP	Thermal Test Adapter	411	H S/C MGSE	M	GSE	
412100	S/CCCS	Herschel S/C Centr. Checkout System	412	H S/C EGSE	-	GSE	
412200	S/CCDMUSC	Herschel S/C CDMU SCOE	412	H S/C EGSE	E	GSE	
412300	S/CPWRSCO	Herschel S/C Power SCOE	412	H S/C EGSE	E	GSE	
412400	S/CACMSSC	Herschel S/C ACMS SCOE	412	H S/C EGSE	E	GSE	
412500	S/CTT&CSCO	Herschel S/C TT&C SCOE	412	H S/C EGSE	E	GSE	
412600	S/CTM/TCFE	Herschel S/C TM/TC Frontend	412	H S/C EGSE	E	GSE	
<u>H EPLM GSE (Item Code: 42*)</u>							
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 Ceckout System	422	EPLM EGSE	E	GSE	
422200	CryoSCOE	EPLM Cryo SCOE	422	EPLM EGSE	E	GSE	
422210	PFMCRSC	PFM Cryo Scoe	422	EPLM EGSE	-	GSE	
422230	ACCRO UNIT	Facility Accelerometer RO Unit	422	EPLM EGSE	-	GSE	
422300	EPCDMUFE	EPLM CDMU DFE	422	EPLM EGSE	E	GSE	
422400	EPLM SCOE	PLM SCOE	422	EPLM EGSE	E	GSE	
422500	EPTC	EPLM Cabels for TV Test	422	EPLM EGSE	E	GSE	
425110	SMHIFIDUM	SM HIFI Dummies	425		M	GSE	
425111	SMHFPU	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	

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Item-Code	Item-Identifier	Item Name	Product Tree Reference	Subsystem Affiliation	Item- Type	Loca- tion	New
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	
422220	EQMCRSC	EQM Cryo Scoe	500	HPLMEQM	-	GSE	
<u>H EX GSE (Item Code: 43*)</u>							
431100	EXRO UNIT	Herschel read out unit	431	HEXEGSE	E	GSE	
<u>H SVM (Item Code: 3x*)</u>							
610100	SVM PCDU	tbd	3x	SVM	E	?	
<u>H SVM (Item Code: 3x*)</u>							
900000	HSVM	Herschel Service Module	3x	SVM	-	SVM	
<u>EPLM (Item Code: 2x*)</u>							
DI_C01	DI_DCE16	Dummy Item 01 for spare wire	2x	CES	E	57	1C
DI_C02	D214342J01	Dummy item 03 for spare wire	2x	CES	E	52	1C
DI_E01	DI_EGSE01	Dummy item 02 for spare wire	2x	CES	E	20	1C
DI_E02	D311200J01	Dummy item 04 for spare wire	2x	CES	E	20	1C

Annex III EMC Category

EMC-Code	EMC-Abbreviation	EMC-Category
1 -	Pwr	Pwr
1 C	PwrCry	Pwr H inside Cryostat
1 F	PwrFPU	Pwr H internal to FPU
1 I	PwrInt	Pwr H fr CVVFT to SVMCB
1 S	PwrBr	Pwr H fr SVMCB to W.Units
1 T	PwrTes	Pwr H Test Equipment
1 U	PwrSC	Pwr H fr W.Units to S/C
1 W	PwrPan	Pwr H among W.Units on SVM Pan.
2 -	SIG	Signal
2 C	SIH CH	Sig H in Cryostat
2 F	SIGFPU	Sig H internal to FPU
2 I	SIH IH	Sig H fr CVVFT to SVMCB
2 S	SIH WH	Sig H fr SVMCB to W. Units
2 T	SIGTES	Sig H Test Equipment
2 U	SigSC	Sig H fr W.Units to S/C
2 W	SigPan	Sig H among W.Units on SVM Panels
3 -	LLSig	Low Level Analogue Signal
3 C	SIH CH	LL Sig H in Cryostat
3 F	SigFPU	LL Sig H internal to FPU
3 I	SIH IH	LL Sig H fr CVVFT to SVMCB
3 S	SIH WH	LL Sig H fr SVMCB to W.Units
3 T	LLSigT	LL Sig H Test Equipment
3 U	LLSgSC	LL Sig H from Warm Units to S/C
3 W	SigPan	LL Sig H among W.Units on SVM Panels
4 -	RF	RF Signal
6 -	UL	Umbilical Link
7 -	COH	Check-out Harness
9 -	TBD	not known / not yet defined

Annex IV Cable Type

Cable Type List

Project:

HERSCHEL

Cable Code	Cable Type	Cable Type Name	No. of		No. of	
			Cores	Twisted	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 St.	1	No	0	Yes
4	011BS	1Core, 1Shd, Core Brass, Shd St.	1	No	1	Yes
4	011SS	1Core, 1Shd, Core St., Shd St.	1	No	1	Yes
7	012BS	1Core, 2Shd, Core Brass, Shd St.	1	No	2	Yes
7	012SS	1Core, 2Shd, Core St., Shd St.	1	No	2	Yes
2	020B0	02Core, no Shd, Core Brass	2	Yes	0	Yes
2	020S0	02Core, no Shd, Core St.	2	Yes	0	Yes
5	021BS	2Core, 1Shd, Core Brass, Shd St.	2	Yes	1	Yes
5	021SS	2Core, 1Shd, Core St., Shd St.	2	Yes	1	Yes
5	022BS	2Core 2Shd, Core Br,Shd St.	2	Yes	1	Yes
5	022SS	2Core 2Shd, CoreSt.,Shd St.	2	Yes	1	Yes
6	031BS	3Core, 1Shd, Core Brass, Shd St.	3	Yes	1	Yes
6	031SS	3Core, 1Shd, Core St., Shd St.	3	Yes	1	Yes
3	040B0	4Core, no Shd, Core Brass	4	Yes	0	Yes
3	040S0	4Core, no Shd, Core St.	4	Yes	0	Yes
6	041BS	4 Core, 1Shd, Core Br, Shd St.	4	Yes	1	Yes
6	041SS	4 Core, 1Shd, Core St., Shd St.	4	Yes	1	Yes
6	051BS	5Core, 1Shd, Core Brass, Shd St.	5	Yes	1	Yes
6	051SS	5Core, 1Shd, Core St., Shd St.	5	Yes	1	Yes
6	061BS	6Core, 1Shd, Core Brass, Shd St.	6	Yes	1	Yes
6	061SS	6Core, 1Shd, Core St., Shd St.	6	Yes	1	Yes
6	081SS	8Core, 1Shd, Core St., Shd St.	8	Yes	1	Yes
6	091BS	9Core, 1Shd, Core Brass, Shd St.	9	Yes	1	Yes
6	111BS	11Core, 1Shd,Core Brass, Shd St.	11	Yes	1	Yes
6	111SS	11Core,1Shd, Core St., Shd St.	11	Yes	1	Yes
6	121SS	12Core, 1Shd, Core St., Shd St.	12	Yes	1	Yes
0	12AXD	12 core , 2 Shd; S,S (4x030S0)	12	Yes	2	Yes
6	12AXS	12 core , 1 Shd; S,S (4x030S0)	12	Yes	1	Yes
6	191SS	19Core, 1Shd, Core Shd St.	19	Yes	1	Yes
6	241SS	24Core, 1Shd, Core St., Shd St.	24	Yes	1	Yes
0	NA	no physical wire	0	No	0	Yes
7	SD1CC	1Core, 2 Shd, Cop/Cop	1	Yes	1	Yes
4	SS1CC	1Core, 1Shd, Core Cop., Shd Cop.	1	No	1	Yes
5	T01C0	1Core, no Shd, Core Cop.	1	No	0	Yes
0	T02C0	2 Core, No Shd., Copper	2	Yes	0	Yes
5	T04C0	4Core, no Shd, Core Copper	4	Yes	0	Yes
0	TP2BS	2 x TP Core Brass, OvShd St.	4	Yes	1	Yes
0	TP2CC	2 x TP Core Cop., OvShd Cop.	4	Yes	1	Yes
0	TP2SS	2 x TP Core Steel, OvShd St.	4	Yes	1	Yes
0	TP3BS	3 x TP Core Brass, OvShd St.	6	Yes	1	Yes
0	TP3CC	3 x TP Core Cop., OvShd Cop.	6	Yes	1	Yes
0	TP6BS	6 x TP Core Brass, OvShd St.	12	Yes	1	Yes
5	TP6CC	6 TP, 1 Shd, Cop/Cop	12	Yes	1	Yes
0	TP8SS	8 x TP Core St, OvShd St.	16	Yes	1	Yes
5	TS2CC	2Core, 1Shd, Core Cop, Shd Cop	2	Yes	1	Yes
5	TS2CM	2Core, 1Shd, Core Cop, Shd Mang	2	Yes	1	Yes
6	TS3CC	3Core, 1Shd, Core Cop, Shd Cop	3	Yes	1	Yes
6	TS4CC	4 Core, 1Shd, Core Cop, Shd Cop	4	Yes	1	Yes
6	TS4CM	4 Core, 1Shd, Core Cop,Shd Mang.	4	Yes	1	Yes
6	TS5CC	5Core, 1Shd, Core Cop, Shd Cop	5	Yes	1	Yes
6	TS6CC	6 core, 1 Shield, Copper/Copper	6	Yes	1	Yes
6	TS6CM	6 core , 1 Shield, Copper/Manganin	6	Yes	1	Yes
0	X01CC	4xTP3C + 2xTP2C	32	Yes	6	Yes
0	X02CC	2x061CC + 2x041CC	20	Yes	4	Yes
0	X03CC	1x071CC + 2x061CC	19	Yes	3	Yes

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Cable Type List

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Cable Code	Cable Type	Cable Type Name	No. of		No. of	
			Cores	Twisted	Shields	Used
0	X04CC	2x051CC+ 1x041CC	14	Yes	3	Yes
0	X05CC	1x071CC + 1x 031CC	10	No	2	Yes
0	X06CC	1x061CC-28 + 1x 041C-28	10	No	2	Yes
0	X07CC	1x061CC + 1x031CC	9	Yes	2	Yes
6	X08BB	6x04030B0 & 2x02030B0	28	Yes	1	Yes
0	X09SB	191SS38 + 021BS30	21	Yes	2	Yes

Annex V Cable Characteristic List

Astrium GmbH

Project:

BCB

Cable

Charakteristidist

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Cable Type	Cable Code	SpecBst. [mm]							SpecCap. [mm]	Core Dia [mm]	Steel [mm2]	Elt. [mm]	Elt. [mm]	Elt. [mm]	Specific Weight [g/m]	Comments	Used
		1	2	3	4	5	6	7									
010B0	30	0,0	2,2						0,40			0,128	0,051	0,66	GSC-05-82207-00	Yes	
010B0	38	12,0							0,25			0,076	0,008	0,19	GSC-05-82208-00	Yes	
010S0	38	140,0							0,25	0,008		0,043		0,18	GSC-05-82209-00	Yes	
011BS	30	2,2	0												Semirig-nolSO K	Yes	
011SS	38	140,0	0							0,000					for Accelerm.	Yes	
012BS	38	12,0							1,95	0,000				6	GSC-05-82247-00	Yes	
012SS	38	140,0							1,95	0,054	0,71			6	GSC-05-82247-00	Yes	
020B0	30	2,2						65	1,20	0,000	0,358	0,102	1,38		GSC-6779_3_V04	Yes	
020B0	38	12,0						50	0,70	0,000	0,224	0,016	0,43		GSC-05-82212-00	Yes	
020S0	38	140,0						50	0,50	0,016	0,148		0,36		GSC 6777_3_V02	Yes	
021BS	30	2,2							1,50	0,060	2,636	0,102	3,3		GSC-05-82215-00	Yes	
021BS	38	12,0							1,20	0,060	1,97	0,016	1,75		GSC-05-82216-00	Yes	
021SS	38	140,0						60	1,20	0,016	1,601		1,75		GSC-05-82217-00	Yes	
022BS	38	12,0							1,20	0,000			1,75		SPIRE	Yes	
022SS	38	0,0	0	0	0	0	0,000	0	0,00	0,000			0		GSC-05-82625-00	Yes	
031BS	30	2,2							1,60		2,878	0,102	4,4		GSC-05-82349-00	Yes	
031BS	38	12,0						65	1,20	0,070	2,066	0,016	2,1		GSC-05-82218-00	Yes	
031SS	38	140,0						65	1,20	0,016	1,692		2,1		GSC-05-82219-00	Yes	
040B0	30	2,2							1,00		0,128	0,051	2,7		GSC-05-82220-00	Yes	
040S0	38	140,0						55	0,70	0,032	0,172		0,72		GSC 6782_V05	Yes	
041BS	30	2,2							1,70	0,080	3,014	0,102	5,5		GSC-05-82350-00	Yes	
041BS	38	12,0						50	1,30	0,070	2,204	0,016	2,4		GSC-05-82223-00	Yes	
041SS	38	140,0						60	1,30	0,016	1,83		2,4		GSC-05-82224-00	Yes	
051BS	30	2,2							1,70	0,000			5,5		GSC-05-82350-00	Yes	
051SS	38	140,0							1,35	0,016	2,092		2,9		GSC-05-82351-00	Yes	
061BS	38	12,0							1,85	0,000			7,4			Yes	

Astrium GmbH

Project:

BCB

Cable

CharateristidList

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Cable Type	Cable Code	Spec&Sist. [mm]							SpecCap.	Cbl Dia [mm]	Core Dia [mm]	Steel [mm2]	Ehss [mm2]	Ert [mm2]	Specific Wght [g/m]	Comments	Used
		1	2	3	4	5	6	7									
061SS	38	6	140,0						1,40		0,016			2,19	3,3	GSC-05-82226-00	Yes
081SS	38	6	140,0						1,47	0	0,016			2,248	3,6	GSC-05-82231-00	Yes
091BS	30	6	2,2	0	0	0	0	0	0,00	0	0,000				0	New design	Yes
111BS	38	6	12,0						0,00		0,000				0	tbc	Yes
111SS	38	6	140,0						1,60		0,016			3,086	4,6	GSC-05-82233-00	Yes
121SS	38	6	140,0						1,70		0,000				4,8	GSC-05-82235-00	Yes
12AXD	38	0	120,0	0	0	0	0	0	0,00	0	0,000				0	12AXD for SPIRE	Yes
12AXS	38	6	140,0						1,70		0,000				4,8	GSC-05-82235-00	Yes
191SS	38	6	140,0						1,90		0,016			3,03	6,3	GSC-05-82238-00	Yes
241SS	38	6	140,0						2,20		0,016			3,978	7,8	GSC-05-82240-00	Yes
NA	-	0	0,0	0	0	0	0	0	0,00	0	0,000				0	no phys. Wire	Yes
SD1CC	28	7	0,2	0	0	0	0	0								GSC-05-82345-00	Yes
SS1CC	28	4	0,2						0,70		0,000				0,73	GSC-05-82210-00	Yes
T01C0	26	5	0,2	0	0	0	0	0	2,41		0,000				9,23	SCC 3901/019-03	Yes
T02C0	24	0	0,0	0	0	0	0	0	0,00	0	0,000				0	-	Yes
T02C0	28	0	0,2	0	0	0	0	0			0,000					1xTP Cop, NoShd	Yes
T04C0	28	5	0,2	0	0	0	0	0	2,41		0,000				9,23	SCC 3901/019-26	Yes
TP2BS	30	0	2,2	0	0	0	0	0	0,00	0	0,000				0	GSC-05-82272-00	Yes
TP2BS	38	0	140,0	0	0	0	0	0	0,00	0	0,000				0	2xTP38S+SHD	Yes
TP2CC	28	0	0,2	0	0	0	0	0			0,000					GSC-05-82360-00	Yes
TP2SS	38	0	140,0	0	0	0	0	0	0,00	0	0,000				0	2xTP38S no Shd	Yes
TP3BS	30	0	2,2	0	0	0	0	0	0,00	0	0,000				0	GSC-05-82271-00	Yes
TP3CC	28	0	0,2	0	0	0	0	0			0,000					GSC-05-82361-01	Yes
TP6BS	30	0	2,2	0	0	0	0	0	0,00	0	0,000				0	GSC-05-82274-00	Yes
TP6CC	22	5	0,2	0	0	0	0	0			0,000						Yes
TP6CC	28	5	0,2	0	0	0	0	0			0,000						Yes
TP8SS	38	0	140,0	0	0	0	0	0	0,00	0	0,000				0	GSC-05-82275-00	Yes

Astrium GmbH

Project:

BCB

Cable

Charakteristidist

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Cable Type	Cable Code	SpecSist. [mm]							SpecCap.	Cbl Dia [mm]	Core Dia [mm]	St. Steel [mm ²]	St. St. [mm ²]	Ert Dia [mm]	Specific Weight [kg/m]	Comments	Used
		1	2	3	4	5	6	7									
TS2CC	20	5	0,0	0	0	0	0	0	0,00	0,00	0,000			0	9,23	SCC 3901/019-57	Yes
TS2CC	28	5	0,2	0	0	0	0	0	2,41					0	9,23	GSC-05-82597-00	Yes
TS2CM	28	5	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	SCC 3901/019-65	Yes
TS3CC	28	6	0,2	0	0	0	0	0	2,41					0	9,23	SCC 3901/019-73	Yes
TS4CC	28	6	0,2	0	0	0	0	0	2,41					0	9,23	GSC-05-82898-00	Yes
TS4CM	28	6	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	SCC 3901/019-80	Yes
TS5CC	28	6	0,2	0	0	0	0	0	2,41					0	9,23	SCC3901019 V88	Yes
TS6CC	22	6	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	SCC 3901/019-85	Yes
TS6CC	28	6	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	GSC-05-82599-00	Yes
TS6CM	22	6	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 4xTP3+2xTP2	Yes
X01CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 2x041+2x061	Yes
X02CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 2xTP8+TP2SS	Yes
X03CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 2x051+1x041	Yes
X04CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 1x031+1x071C	Yes
X05CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	mix 041CC 061CC	Yes
X06CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix 1x031+1x061	Yes
X07CC	28	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	02030B0 04030B0	Yes
X08BB	30	6	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23	Mix2xTP8+TP2SS	Yes
X09SB	--	0	0,0	0	0	0	0	0	0,00	0	0,000			0	9,23		Yes

Annex VI Connector Type List

Coötor Type List

Coötor Type	Matrizer	Sok	Ri		No. of	Shape	Spezial Coötor	No. of		
			Rb	Mbs b				Con	Used	
>> Dummy Connector	-		-		0	0	-	No	116	Yes
>Dummy connector 20P (PI)	Dummy		P		20	0	-	Yes	2	Yes
>Dummy connector 20S (Ju)	Dummy		S		20	0	-	Yes	2	Yes
197-011P18-35P (Junct.)	GLENAIR		P		66	60	R	Yes	0	No
197-011P22-35P (Junct.)	GLENAIR		P		100	119,5	R	Yes	30	Yes
197-011P24-35P (Junct.)	GLENAIR		P		128	119,5	R	Yes	22	Yes
197-012P10-98S (Plug)	GLENAIR		-		6		Ra	No	4	Yes
197-012P18-35S (Plug)	GLENAIR		S		66	80	R	Yes	0	No
197-012P22-35S (Plug)	GLENAIR		S		100	158	R	Yes	14	Yes
197-012P24-35S (Plug)	GLENAIR		S		128	158	R	Yes	22	Yes
Box Responsible Pin			P		1	0	-	No	0	No
Box Responsible Socket			S		1	0	-	No	0	No
CCH Spare Position P			P		0	0	-	No	0	No
CCH Spare Position S			S		0	0	-	No	0	No
Coax Female (50 Ohm)			S		1	5	R	No	8	Yes
Coax Male (50Ohm)			P		1	5	R	No	8	Yes
DAMA-15P-NMB-FO	CANNON		P		15	11,39	D	No	12	Yes
DAMA-15P-NMB-FO+Glen 550	CANNON		P		15	27,39	D	No	10	Yes
DAMA-15S-NMB-FO	CANNON		S		15	10,21	D	No	18	Yes
DAMA-15S-NMB-FO+Glen 550	CANNON		S		15	29,21	D	No	4	Yes
DBMA-25P-NMB-FO	CANNON		P		25	18,38	D	No	12	Yes
DBMA-25P-NMB-FO+ Glen 550	CANNON		P		25	37,38	D	No	8	Yes
DBMA-25S-NMB-FO	CANNON		S		25	10,3	D	No	20	Yes
DBMA-25S-NMB-FO+ Glen 550	CANNON		S		25	29,5	D	No	0	No
DBMA-44P-NMB-FO	CANNON		P		44	15	D	No	2	Yes
DBMA-44S-NMB-FO	CANNON		S		44	15	D	No	16	Yes
DCM17W5P			P		17	0	-	No	0	No
DCM17W5S			S		17	0	-	No	0	No
DCM21WA4P			P		21	0	-	No	0	No
DCM21WA4S			S		21	0	-	No	0	No
DCMA-37P-NMB-FO	CANNON		P		37	26,22	D	No	36	Yes
DCMA-37S-NMB-FO	CANNON		S		37	29,13	D	No	34	Yes
DCMA-37S-NMB-FO+ Glen 550	CANNON		S		37	57,13	D	No	9	Yes
DCMA-62P-NMB-FO	CANNON		P		62	20	D	No	4	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+ Glen 550	CANNON		P		50	62,41	D	No	14	Yes
DDMA-50S-NMB-FO	CANNON		S		50	36,31	D	No	31	Yes
DDMA-50S-NMB-FO+ Glen 550	CANNON		S		50	66,31	D	No	18	Yes
DDMA-78P-NMB-FO	CANNON		P		78	41,15	D	No	0	No
DDMA-78P-NMB-FO+Glen 550	CANNON		P		78	71,15	D	No	2	Yes
DDMA-78S-NMB-FO	CANNON		S		78	25,55	D	No	2	Yes
DDMA-78S-NMB-FO+Glen 550	CANNON		S		78	60	D	No	0	No
DEMA-09P-NMB-FO	CANNON		P		9	7,88	D	No	7	Yes
DEMA-09P-NMB-FO+Glen 550	CANNON		P		9	20,88	D	No	8	Yes
DEMA-09S-NMB-FO+Glen 550	CANNON		S		9	21,7	D	No	0	No
ENDEVCO-EN-159	Endevco		S		2	2	-	Yes	22	Yes
ENDEVCO-EP-159	Endevco		P		2	2	-	Yes	22	Yes
FLD-P	GLENAIR		P		4	1	-	Yes	0	No
FLD-S	GLENAIR		S		4	1	-	Yes	0	No
MDM09P	GLENAIR		P		9	4,6	D	No	30	Yes
MDM09S	GLENAIR		S		9	4,6	D	No	13	Yes
MDM15P	GLENAIR		P		15	5	F	No	0	No
MDM15S	GLENAIR		S		15	5	F	No	10	Yes
MDM21P	CANNON		P		21	4,6	F	No	8	Yes
MDM21S	GLENAIR		S		21	5,4	F	No	8	Yes

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Coator Type	Mater	Sol	Rl		No. of	Shape	Spezial		No. of	
			R	Ms			Coator	Con	Used	
MDM25P	CANNON		P		25	6,5	F	No	32	Yes
MDM25S	CANNON		S		25	6,5	F	No	8	Yes
MDM31P	CANNON		P		31	7,7	F	No	0	No
MDM31S	CANNON		S		31	7,7	F	No	9	Yes
MDM37P	CANNON		P		37	9,2	F	No	10	Yes
MDM37S	CANNON		S		37	9,2	F	No	28	Yes
MDM51P	GLENAIR		P		51	12	F	No	0	No
MDM51S	GLENAIR		S		51	12	F	No	0	No
MRN-4194-15P (NDDM-Pin)	Nanonix-Glenair		P		15	2	-	No	127	Yes
MRN-4194-15p (NDDM-type)	Nanonix-Glenair		P		15	2	-	No	0	No
MS27484T10F35S (Plug)	GLENAIR		S		13	0	-	No	2	Yes
MS27484T12F-98PA (PI+Shl)	GLENAIR		P		10	158	R	Yes	1	Yes
MS27484T12F-98PB (PI+Shl)	GLENAIR		P		10	158	R	Yes	1	Yes
MS27484T12F35SA	GLENAIR		S		22	0	-	No	4	Yes
MS27484T12F35SB	GLENAIR		S		22	0	-	No	2	Yes
MS27484T12F35SN	GLENAIR		S		22	100	-	No	3	Yes
MS27484T14F18PA	GLENAIR		P		18	100	-	No	3	Yes
MS27484T14F18PB	GLENAIR		P		18	100	R	No	1	Yes
MS27484T14F18PN	GLENAIR		P		18	100	R	No	2	Yes
MS27484T14F18SA	GLENAIR		S		18	100	-	No	0	No
MS27484T14F18SB	GLENAIR		S		18	100	-	No	0	No
MS27484T14F18SN	GLENAIR		S		18	100	R	No	0	No
MS27484T14F35PA	GLENAIR		P		37	0	-	No	7	Yes
MS27484T14F35PB	GLENAIR		P		37	0	-	No	3	Yes
MS27484T14F35SA	GLENAIR		S		37	0	-	No	3	Yes
MS27484T14F35SB	GLENAIR		S		37	0	-	No	0	No
MS27484T22F-35P (PI+Shl)	GLENAIR		P		100	158	R	Yes	16	Yes
MS27484T22F-35S (PI+Shl)	GLENAIR		S		100	158	R	Yes	45	Yes
MS27484T22F35SN	GLENAIR		S		100	100	-	No	2	Yes
MS27497T10F35PA (Junc)	GLENAIR		P		13	0	-	No	2	Yes
MS27497T12F35PA	GLENAIR		P		22	0	-	No	4	Yes
MS27497T12F35PB	GLENAIR		P		22	0	-	No	2	Yes
MS27497T12F35PN	GLENAIR		P		22	100	-	No	3	Yes
MS27497T12F35SA	GLENAIR		S		22	0	-	No	0	No
MS27497T12F35SN	GLENAIR		S		22	100	-	No	0	No
MS27497T12F98SA	GLENAIR		S		10	100	-	No	1	Yes
MS27497T12F98SB	GLENAIR		S		10	100	-	No	1	Yes
MS27497T14-18PA (Jun.Sh)	GLENAIR		P		18	80	R	Yes	0	No
MS27497T14-18PB (Jun.Sh)	GLENAIR		P		18	80	R	Yes	0	No
MS27497T14F18SA	GLENAIR		S		18	100	-	No	3	Yes
MS27497T14F18SB	GLENAIR		S		18	100	-	No	1	Yes
MS27497T14F18SN	GLENAIR		S		18	100	R	No	2	Yes
MS27497T14F35PA	GLENAIR		P		37	100	-	No	1	Yes
MS27497T14F35Pb	GLENAIR		P		37	100	-	No	3	Yes
MS27497T14F35SA	GLENAIR		S		37	100	-	No	5	Yes
MS27497T14F35SB	GLENAIR		S		37	100	-	No	6	Yes
MS27497T22-35S (Jun.Sh)	GLENAIR		S		100	119,5	R	Yes	16	Yes
MS27497T22F35PN	GLENAIR		P		100	100	-	No	2	Yes
MWDM21P w BS	Can/Glen		P		21	10,5	F	No	0	No
MWDM25S w BS	Can/Glen		S		25	17	F	No	0	No
MWDM2L-09P-6C3-630	GLENAIR		P		9	9,7	D	No	55	Yes
MWDM2L-09S-6C3-630	GLENAIR		S		9	9,7	D	No	72	Yes
MWDM2L-15P-6C3-630	GLENAIR		P		15	12,5	F	No	30	Yes
MWDM2L-15p-6J7-18p	GLENAIR		P		15	13	M	Yes	0	No
MWDM2L-15S-6C3-630	GLENAIR		S		15	12,5	F	No	20	Yes
MWDM2L-15s-6J7-18p	GLENAIR		S		15	14	M	Yes	0	No
MWDM2L-21P-6C3-630	GLENAIR		P		21	15,1	F	No	8	Yes

Astrium GmbH

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HERSCHELCoator
Type List

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Coator Type	Matier	Sok	Ri Rb	Mbs Ms j	No. of	Shape	Spetal Coator	No. of Con	Used	
MWDM2L-21S-6C3-630	GLENAIR		S		21	15,1	F	No	8	Yes
MWDM2L-25P-6C3-630	GLENAIR		P		25	17	F	No	45	Yes
MWDM2L-25S-6C3-630	GLENAIR		S		25	17	F	No	69	Yes
MWDM2L-31P-6C3-630	GLENAIR		P		31	24,71	F	No	9	Yes
MWDM2L-37P-6C3-630	GLENAIR		P		37	26,21	F	No	28	Yes
MWDM2L-37S-6C3-630	GLENAIR		S		37	26,21	F	No	11	Yes
MWDM37P w BS	Can/Glen		P		37	26,21	F	No	1	Yes
N/A	-		-		0	0	-	No	0	No
NDDM15SN-BN460-A	Nanonix-Glenair		S		15	2	-	No	127	Yes
NDDM25PN-BN460	Nanonix-Glenair		P		25	2	-	No	0	No
NDDM25SN-BN460-A	Nanonix-Glenair		S		25	2	-	No	0	No
Not known Pin	tbd		P		50	30	F	No	1	Yes
Not known Socket	tbd		-		50	30	F	No	1	Yes
SCC3401-04401B03-10-35PA	GLENAIR		P		13	0	R	No	1	Yes
SCC3401-04401B03-10-35PB	GLENAIR		P		13	0	R	No	0	No
SCC3401-04401B03-12-35PA	GLENAIR		P		22	0	R	No	1	Yes
SCC3401-04401B03-12-35PB	GLENAIR		P		22	0	R	No	0	No
SCC3401-04401B03-12-98PA	GLENAIR		P		10	0	Ra	No	3	Yes
SCC3401-04401B03-12-98PB	GLENAIR		P		10	0	Ra	No	2	Yes
SCC3401-04401B03-14-18SA	GLENAIR		S		18	0	Ra	No	1	Yes
SCC3401-04401B03-14-18SB	GLENAIR		S		18	0	Ra	No	1	Yes
SCC3401-04401B06G-10-35SA	GLENAIR		S		13	0	R	No	1	Yes
SCC3401-04401B06G-10-35SB	GLENAIR		S		13	0	R	No	0	No
SCC3401-04401B06G-12-35SA	GLENAIR		S		22	0	R	No	1	Yes
SCC3401-04401B06G-12-35SB	GLENAIR		S		22	0	R	No	0	No
SCC3401-04401B06G-12-98SA	GLENAIR		S		10	0	Ra	No	3	Yes
SCC3401-04401B06G-12-98SB	GLENAIR		S		10	0	Ra	No	2	Yes
SCC3401-04401B06G-14-18PA	GLENAIR		P		18	0	Ra	No	1	Yes
SCC3401-04401B06G-14-18PB	GLENAIR		P		18	0	Ra	No	1	Yes
SCC340100201BDBMA15PNM	GLENAIR		P		15	0	D	No	0	No
SCC340100201BDBMA15SNM	GLENAIR		S		15	0	D	No	0	No
SCC340100201BDBMA9PNMB	GLENAIR		P		9	0	D	No	3	Yes
SCC340100201BDBMA9SNMB	GLENAIR		S		9	0	D	No	3	Yes
SCC340100201BDCMA37PNM	CANNON		P		37	54,22	D	No	7	Yes
SCC340100201BDDMA50PNM	CANNON		P		50	32,41	D	No	35	Yes
SCC340100201BDEMA09SNM	CANNON		S		9	6,9	D	No	15	Yes
SCC340100202BDBMA44PNM	CANNON		P		44	35	D	No	16	Yes
SCC340100202BDBMA44SNM	CANNON		S		44	35	D	No	2	Yes
SCC340104401B032235P	GLENAIR		P		100	119,5	R	Yes	29	Yes
SCC340104401B032435P	GLENAIR		P		128	119,5	R	Yes	29	Yes
SCC340104401B06G2435S	GLENAIR		S		128	158	R	Yes	29	Yes
SMA Female	tbd		S		1	5	-	No	4	Yes
SMA Male	tbd		P		1	5	-	No	4	Yes
TBD	-		-		0	0	-	No	30	Yes

Annex VII Connector Reference List

**Connector
Reference List**

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1-/Pwr						
HTSSCB	223100 J01	Heater Power Supply M1 and M2 Nom	MS27497T14F18SN	Itm	NVA	
HTSSCB	223100 J02	Heater Power Supply M1 and M2 Red	MS27497T14F18SA	Itm	NVA	
HTSSCB	223100 P01	Heater Power Supply M1 and M2 Nom	MS27484T14F18PN	Itm	TBD	
HTSSCB	223100 P02	Heater Power Supply M1 and M2 Red	MS27484T14F18PA	Itm	TBD	
EPLM SCO	422400 J03	HERSCHEL PLM SCOE CCU LSU Pwr Nom	tbd		NVA	
EPLM SCO	422400 J04	HERSCHEL PLM SCOE CCU LSU Pwr Red	tbd		NVA	
EPLM SCO	422400 J07	H PLM SCOE HIFI SPIRE PACS LCL Nom	tbd		NVA	
EPLM SCO	422400 J08	H PLM SCOE HIFI SPIRE PACS LCL Red	tbd		NVA	
EPLM SCO	422400 J09	H PLM SCOE SPIRE FCU, HIFI HRH Pwr Nom	tbd		NVA	
EPLM SCO	422400 J10	H PLM SCOE SPIRE FCU, HIFI HRH Pwr Red	tbd		NVA	
EPLM SCO	422400 J11	H PLM SCOE NCA Actuators Nom	tbd		NVA	
EPLM SCO	422400 J12	H PLM SCOE NCA Actuators Red	tbd		NVA	
EPLM SCO	422400 P03	HERSCHEL PLM SCOE CCU LSU Pwr Nom	tbd		TBD	
EPLM SCO	422400 P04	HERSCHEL PLM SCOE CCU LSU Pwr Red	tbd		TBD	
EPLM SCO	422400 P07	H PLM SCOE HIFI SPIRE PACS LCL Nom	tbd		TBD	
EPLM SCO	422400 P08	H PLM SCOE HIFI SPIRE PACS LCL Red	tbd		TBD	
EPLM SCO	422400 P09	H PLM SCOE SPIRE FCU, HIFI HRH Pwr Nom	tbd		TBD	
EPLM SCO	422400 P10	H PLM SCOE SPIRE FCU, HIFI HRH Pwr Red	tbd		TBD	
EPLM SCO	422400 P11	H PLM SCOE NCA Actuators Nom	tbd		TBD	
EPLM SCO	422400 P12	H PLM SCOE NCA Actuators Red	tbd		TBD	
EXRO UNIT	431100 Jxx1	Dummy Connector	>> Dummy Connector	NVA	NVA	
EXRO UNIT	431100 Pxx1	Dummy Connector	>> Dummy Connector	NVA	NVA	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet :CRL-2 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1C/Pwr H inside Cryostat						
EXRO UNIT	431100 JxC1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxC1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH		Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1	
Project:	HERSCHEL		DB Issue : 42	Date : 21.09.2004
			Sheet :CRL-3 (of 51)	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 1F/Pwr H internal to FPU

EXRO UNIT	431100 JxF1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxF1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet :CRL-4 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1I/Pwr H frCVVFT to SVMCB						
EXRO UNIT	431100 Jx11	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Px11	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH

Project:
HERSCHEL**Connector
Reference List**

Doc. No. : HP-2-ASED-IC-0001 / 4.1

DB Issue : 42 Date : 21.09.2004

Sheet :CRL-5 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1S/Pwr H fr SVMCB to W.Units						
CCU	214100 J12	+ CCU NOM S/C PWR	DAMA-15P-NMB-FO	Box	N/A	
CCU	214100 J25	+ CCU RED S/C PWR	DAMA-15P-NMB-FO	Box	N/A	
CCU	214100 P12	+ CCU NOM S/C PWR	DAMA-15S-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P25	+ CCU RED S/C PWR	DAMA-15S-NMB-FO+Glen 550	H/N	TBD	
EXRO UNIT	431100 JxS1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxS1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet :CRL-6 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1T/Pwr H Test Equipment						
EXRO UNIT	431100 JxT1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxT1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet : CRL-7 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 1U/Pwr H fr W.Units to S/C						
EXRO UNIT	431100 JxU1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxU1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH Project: HERSCHEL	<h1>Connector Reference List</h1>	Doc. No. : HP-2-ASED-IC-0001 / 4.1 DB Issue : 42 Date : 21.09.2004 Sheet :CRL-8 (of 51)
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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 1W/Pwr H among W.Units on SVM

EXRO UNIT	431100 JxW1	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxW1	Dummy Connector	>> Dummy Connector	N/A	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2-/Signal						
HT 1 M2	21H338 J01	+ Telescope H331 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 1 M2	21H338 P01	+ Telescope H331 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
LChT801	21T801 J01	+ Low Chain SensT801 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT801	21T801 P01	+ Low Chain SensT801 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
LChT802	21T802 J01	+ Low Chain SensT802 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT802	21T802 P01	+ Low Chain SensT802 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
LChT803	21T803 J01	+ Low Chain SensT803 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT803	21T803 P01	+ Low Chain SensT803 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
LChT804	21T804 J01	+ Low Chain Sens T806 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT804	21T804 P01	+ Low Chain Sens T806 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
LChT805	21T805 J01	+ Low Chain SensT805 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT805	21T805 P01	+ Low Chain SensT805 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
LChT806	21T806 J01	+ Low Chain SensT804 flying lead	NDDM15SN-BN460-A	DSS	N/A	
LChT806	21T806 P01	+ Low Chain SensT804 flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTSSCB	223100 J03	Thermistors M1 and M2 Nom	MS27497T12F35PN	Itm	N/A	
HTSSCB	223100 J04	Thermistors M1 and M2 Red	MS27497T12F35PA	Itm	N/A	
HTSSCB	223100 P03	Thermistors M1 and M2 Nom	MS27484T12F35SN	Itm	TBD	
HTSSCB	223100 P04	Thermistors M1 and M2 Red	MS27484T12F35SA	Itm	TBD	
HSC_UMBI/	390000 J01	Herschel S/C Umbilical HU1	tbd		N/A	
HSC_UMBI/	390000 J02	Herschel S/C Umbilical HU2	tbd		N/A	
HSC_UMBI/	390000 P01	Herschel S/C Umbilical HU1	tbd		TBD	
HSC_UMBI/	390000 P02	Herschel S/C Umbilical HU2	tbd		TBD	
EXRO UNIT	431100 Jxx2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx2	Dummy Connector	>> Dummy Connector	N/A	N/A	
SVM PCDU	610100 J01	+ SVM PCDU Connector	DDMA-50S-NMB-FO	Itm	N/A	
SVM PCDU	610100 J02	+ SVM PCDU Connector	DDMA-50S-NMB-FO	Itm	N/A	
SVM PCDU	610100 P01	+ SVM PCDU Connector	SCC340100201BDDMA50PNM	H/N	TBD	
SVM PCDU	610100 P02	+ SVM PCDU Connector	SCC340100201BDDMA50PNM	H/N	TBD	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2C/Sig H in Cryostat						
HHFPU	111100 J01	HIFI FPU IF1-H	Coax Female (50 Ohm)	Box	N/A	
HHFPU	111100 J02	HIFI FPU IF2-H	Coax Female (50 Ohm)	Box	N/A	
HHFPU	111100 J03	HIFI FPU IF1-V	Coax Female (50 Ohm)	Box	N/A	
HHFPU	111100 J04	HIFI FPU IF2-V	Coax Female (50 Ohm)	Box	N/A	
HHFPU	111100 J11	HIFI FPU Mixer Bias 1 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J12	HIFI FPU Mixer Bias 2 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J13	HIFI FPU Mixer Bias 3 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J14	HIFI FPU Mixer Bias 4 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J15	HIFI FPU Mixer Bias 5 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J16	HIFI FPU Mixer Bias 6 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J17	HIFI FPU Mixer Bias 7 Hor.	MDM09P	Box	N/A	
HHFPU	111100 J18	HIFI FPU Mixer Bias 1 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J19	HIFI FPU Mixer Bias 2 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J20	HIFI FPU Mixer Bias 3 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J21	HIFI FPU Mixer Bias 4 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J22	HIFI FPU Mixer Bias 5 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J23	HIFI FPU Mixer Bias 6 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J24	HIFI FPU Mixer Bias 7 Ver.	MDM09P	Box	N/A	
HHFPU	111100 J25	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	
HHFPU	111100 J26	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	
HHFPU	111100 J27	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	
HHFPU	111100 J28	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	
HHFPU	111100 J29	HIFI FPU Magnets, Heaters Hor	MDM09S	Box	N/A	
HHFPU	111100 J32	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	
HHFPU	111100 J33	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	
HHFPU	111100 J34	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	
HHFPU	111100 J35	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	
HHFPU	111100 J36	HIFI FPU Magnets, Heaters Ver	MDM09S	Box	N/A	
HHFPU	111100 J39	HIFI FPU 1. IF Ampl. 1 Hor	MDM09P	Box	N/A	
HHFPU	111100 J40	HIFI FPU 1. IF Ampl. 2 Hor	MDM09P	Box	N/A	
HHFPU	111100 J41	HIFI FPU 1. IF Ampl. 3 Hor	MDM09P	Box	N/A	
HHFPU	111100 J42	HIFI FPU 1. IF Ampl. 4 Hor	MDM09P	Box	N/A	
HHFPU	111100 J43	HIFI FPU 1. IF Ampl. 5 Hor	MDM09P	Box	N/A	
HHFPU	111100 J44	HIFI FPU 1. IF Ampl. 6 Hor	MDM09P	Box	N/A	
HHFPU	111100 J45	HIFI FPU 1. IF Ampl. 7 Hor	MDM09P	Box	N/A	
HHFPU	111100 J46	HIFI FPU 1. IF Ampl. 1 Ver	MDM09P	Box	N/A	
HHFPU	111100 J47	HIFI FPU 1. IF Ampl. 2 Ver	MDM09P	Box	N/A	
HHFPU	111100 J48	HIFI FPU 1. IF Ampl. 3 Ver	MDM09P	Box	N/A	
HHFPU	111100 J49	HIFI FPU 1. IF Ampl. 4 Ver	MDM09P	Box	N/A	
HHFPU	111100 J50	HIFI FPU 1. IF Ampl. 5 Ver	MDM09P	Box	N/A	
HHFPU	111100 J51	HIFI FPU 1. IF Ampl. 6 Ver	MDM09P	Box	N/A	
HHFPU	111100 J52	HIFI FPU 1. IF Ampl. 7 Ver	MDM09P	Box	N/A	
HHFPU	111100 J53	HIFI FPU 2. IF Ampl. 1 Hor	MDM21P	Box	N/A	
HHFPU	111100 J54	HIFI FPU 2. IF Ampl. 2 Hor	MDM21P	Box	N/A	
HHFPU	111100 J55	HIFI FPU 2. IF Ampl. 3 Hor	MDM21P	Box	N/A	
HHFPU	111100 J56	HIFI FPU 2. IF Ampl. 1 Ver	MDM21P	Box	N/A	
HHFPU	111100 J57	HIFI FPU 2. IF Ampl. 2 Ver	MDM21P	Box	N/A	
HHFPU	111100 J58	HIFI FPU 2. IF Ampl. 3 Ver	MDM21P	Box	N/A	
HHFPU	111100 J59	HIFI FPU 2. IF Ampl. Therm. Prime	MDM09P	Box	N/A	
HHFPU	111100 J60	HIFI FPU 2. IF Ampl. Therm. Red.	MDM09P	Box	N/A	
HHFPU	111100 J61	HIFI FPU Chopper Prime	MDM21S	Box	N/A	
HHFPU	111100 J62	HIFI FPU Choper Red.	MDM21S	Box	N/A	
HHFPU	111100 J63	HIFI FPU Thermistors Prime	MDM21S	Box	N/A	
HHFPU	111100 J64	HIFI FPU Thermistors Red.	MDM21S	Box	N/A	
HHFPU	111100 J65	HIFI FPU Calibrator Prime	MDM15S	Box	N/A	
HHFPU	111100 J66	HIFI FPU Calibrator Red.	MDM15S	Box	N/A	
HHFPU	111100 J67	HIFI FPU Diplexer Hor	MDM21P	Box	N/A	
HHFPU	111100 J68	HIFI FPU Diplexer Ver	MDM21P	Box	N/A	
HHFPU	111100 J69	HIFI FPU Cold Calibrator	MDM09S	Box	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HHFPU	111100 P01	HIFI FPU IF1-H	Coax Male (50Ohm)	H/N	none	
HHFPU	111100 P02	HIFI FPU IF2-H	Coax Male (50Ohm)	H/N	none	
HHFPU	111100 P03	HIFI FPU IF1-V	Coax Male (50Ohm)	H/N	none	
HHFPU	111100 P04	HIFI FPU IF2-V	Coax Male (50Ohm)	H/N	none	
HHFPU	111100 P11	HIFI FPU Mixer Bias 1 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P12	HIFI FPU Mixer Bias 2 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P13	HIFI FPU Mixer Bias 3 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P14	HIFI FPU Mixer Bias 4 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P15	HIFI FPU Mixer Bias 5 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P16	HIFI FPU Mixer Bias 6 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P17	HIFI FPU Mixer Bias 7 Hor.	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P18	HIFI FPU Mixer Bias 1 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P19	HIFI FPU Mixer Bias 2 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P20	HIFI FPU Mixer Bias 3 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P21	HIFI FPU Mixer Bias 4 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P22	HIFI FPU Mixer Bias 5 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P23	HIFI FPU Mixer Bias 6 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P24	HIFI FPU Mixer Bias 7 Ver.	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P25	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P26	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P27	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P28	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P29	HIFI FPU Magnets, Heaters Hor	MWDM2L-09P-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P32	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P33	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P34	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P35	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P36	HIFI FPU Magnets, Heaters Ver	MWDM2L-09P-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P39	HIFI FPU 1. IF Ampl. 1 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P40	HIFI FPU 1. IF Ampl. 2 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P41	HIFI FPU 1. IF Ampl. 3 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P42	HIFI FPU 1. IF Ampl. 4 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P43	HIFI FPU 1. IF Ampl. 5 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P44	HIFI FPU 1. IF Ampl. 6 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P45	HIFI FPU 1. IF Ampl. 7 Hor	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P46	HIFI FPU 1. IF Ampl. 1 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P47	HIFI FPU 1. IF Ampl. 2 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P48	HIFI FPU 1. IF Ampl. 3 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P49	HIFI FPU 1. IF Ampl. 4 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P50	HIFI FPU 1. IF Ampl. 5 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P51	HIFI FPU 1. IF Ampl. 6 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P52	HIFI FPU 1. IF Ampl. 7 Ver	MWDM2L-09S-6C3-.630	H/N	507 E 196 M 9	
HHFPU	111100 P53	HIFI FPU 2. IF Ampl. 1 Hor	MWDM2L-21S-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P54	HIFI FPU 2. IF Ampl. 2 Hor	MWDM2L-21S-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P55	HIFI FPU 2. IF Ampl. 3 Hor	MWDM2L-21S-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P56	HIFI FPU 2. IF Ampl. 1 Ver	MWDM2L-21S-6C3-.630	H/N	BS-LS-17C-01	
HHFPU	111100 P57	HIFI FPU 2. IF Ampl. 2 Ver	MWDM2L-21S-6C3-.630	H/N	BS-LS-17C-01	
HHFPU	111100 P58	HIFI FPU 2. IF Ampl. 3 Ver	MWDM2L-21S-6C3-.630	H/N	BS-LS-17C-01	
HHFPU	111100 P59	HIFI FPU 2. IF Ampl. Therm. Prime	MWDM2L-09S-6C3-.630	H/N	BS-SS-17A-01	
HHFPU	111100 P60	HIFI FPU 2. IF Ampl. Therm. Red.	MWDM2L-09S-6C3-.630	H/N	BS-LS-17A-01	
HHFPU	111100 P61	HIFI FPU Chopper Prime	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P62	HIFI FPU Choper Red.	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P63	HIFI FPU Thermistors Prime	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P64	HIFI FPU Thermistors Red.	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P65	HIFI FPU Calibrator Prime	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HHFPU	111100 P66	HIFI FPU Calibrator Red.	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HHFPU	111100 P67	HIFI FPU Diplexer Hor	MWDM2L-21S-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P68	HIFI FPU Diplexer Ver	MWDM2L-21S-6C3-.630	H/N	BS-SS-17C-01	
HHFPU	111100 P69	HIFI FPU Cold Calibrator	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	
HSFPU	121100 J19	+ SPIRE FPU Filter Cooler (C10)	MDM37S	Box	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HSFPU	121100 J20	SPIRE FPU Filter Cooler (C12)	MDM37S	Box	N/A	
HSFPU	121100 J21	SPIRE FPU Filter Spect. Stim. (C10)	MDM37S	Box	N/A	
HSFPU	121100 J22	SPIRE FPU Filter Spect. Stim. (C12)	MDM37S	Box	N/A	
HSFPU	121100 J23	SPIRE FPU Termometry Prime (C10)	MDM37S	Box	N/A	
HSFPU	121100 J24	SPIRE FPU Filter Termometry (C12)	MDM37S	Box	N/A	
HSFPU	121100 J25	SPIRE FPU Filter BSM Phot. Stim. (C11)	MDM37S	Box	N/A	
HSFPU	121100 J26	SPIRE FPU Filter BSM Phot. Stim (C13)	MDM37S	Box	N/A	
HSFPU	121100 J27	SPIRE FPU Filter SMEC Launch Pr (C11)	MDM37S	Box	N/A	
HSFPU	121100 J28	SPIRE FPU Filter SMEC Launch Re(C13)	MDM37S	Box	N/A	
HSFPU	121100 J29	SPIRE FPU Filter SMEC Contr. Pr (C11)	MDM37S	Box	N/A	
HSFPU	121100 J30	SPIRE FPU Filter SMEC Contr. Re (C13)	MDM37S	Box	N/A	
HSFPU	121100 P19	+ SPIRE FPU Filter Cooler (C10)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P20	SPIRE FPU Filter Cooler (C12)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P21	SPIRE FPU Filter Spect. Stim. (C10)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P22	SPIRE FPU Filter Spect. Stim. (C12)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P23	SPIRE FPU Termometry Prime (C10)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P24	SPIRE FPU Filter Termometry (C12)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P25	SPIRE FPU Filter BSM Phot. Stim. (C11)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P26	SPIRE FPU Filter BSM Phot. Stim (C13)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P27	SPIRE FPU Filter SMEC Launch Pr (C11)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P28	SPIRE FPU Filter SMEC Launch Re(C13)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P29	SPIRE FPU Filter SMEC Contr. Pr (C11)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSFPU	121100 P30	SPIRE FPU Filter SMEC Contr. Re (C13)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFP	121210 J01	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25P	Box	N/A	
HSJFP	121210 J02	SPIRE Bolom. Sign. from HSJFP1 (C9)	MDM25P	Box	N/A	
HSJFP	121210 J03	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25P	Box	N/A	
HSJFP	121210 J04	SPIRE Bolom. Sign. from HSJFP2 (C9)	MDM25P	Box	N/A	
HSJFP	121210 J05	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25P	Box	N/A	
HSJFP	121210 J06	SPIRE Bolom. Sign. from HSJFP3 (C8)	MDM25P	Box	N/A	
HSJFP	121210 J07	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25P	Box	N/A	
HSJFP	121210 J08	SPIRE Bolom. Sign. from HSJFP4 (C8)	MDM25P	Box	N/A	
HSJFP	121210 J09	SPIRE Bolom. Sign. from HSJFP5 (C7)	MDM25P	Box	N/A	
HSJFP	121210 J10	SPIRE Bolom. Sign. from HSJFP5 (C7)	MDM25P	Box	N/A	
HSJFP	121210 J11	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25P	Box	N/A	
HSJFP	121210 J12	SPIRE Bolom. Sign. from HSJFP6 (C7)	MDM25P	Box	N/A	
HSJFP	121210 J13	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25P	Box	N/A	
HSJFP	121210 J14	SPIRE Bolom. Sign. from HSJFP7 (C6)	MDM25P	Box	N/A	
HSJFP	121210 J15	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25P	Box	N/A	
HSJFP	121210 J16	SPIRE Bolom. Sign. from HSJFP8 (C6)	MDM25P	Box	N/A	
HSJFP	121210 J17	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25P	Box	N/A	
HSJFP	121210 J18	SPIRE Bolom. Sign. from HSJFP9 (C5)	MDM25P	Box	N/A	
HSJFP	121210 J19	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25P	Box	N/A	
HSJFP	121210 J20	SPIRE Bolom. Sign. from HSJFP10 (C5)	MDM25P	Box	N/A	
HSJFP	121210 J21	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25P	Box	N/A	
HSJFP	121210 J22	SPIRE Bolom. Sign. from HSJFP11 (C4)	MDM25P	Box	N/A	
HSJFP	121210 J23	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25P	Box	N/A	
HSJFP	121210 J24	SPIRE Bolom. Sign. from HSJFP12 (C4)	MDM25P	Box	N/A	
HSJFP	121210 J25	PSW Bias Prime -DCU (C03)	MDM37S	Box	N/A	
HSJFP	121210 J26	PSW Bias Red -DCU (C03)	MDM37S	Box	N/A	
HSJFP	121210 J27	PMW/PLW Bias Prime -DCU (C03)	MDM37S	Box	N/A	
HSJFP	121210 J28	PMW/PLW Bias Red -DCU (C03)	MDM37S	Box	N/A	
HSJFP	121210 P01	SPIRE Bolom. Sign. from HSJFP1 (C9)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P02	SPIRE Bolom. Sign. from HSJFP1 (C9)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P03	SPIRE Bolom. Sign. from HSJFP2 (C9)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P04	SPIRE Bolom. Sign. from HSJFP2 (C9)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P05	SPIRE Bolom. Sign. from HSJFP3 (C8)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P06	SPIRE Bolom. Sign. from HSJFP3 (C8)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P07	SPIRE Bolom. Sign. from HSJFP4 (C8)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P08	SPIRE Bolom. Sign. from HSJFP4 (C8)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P09	SPIRE Bolom. Sign. from HSJFP5 (C7)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P10	SPIRE Bolom. Sign. from HSJFP5 (C7)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HSJFP	121210 P11	SPIRE Bolom. Sign. from HSJFP6 (C7)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P12	SPIRE Bolom. Sign. from HSJFP6 (C7)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P13	SPIRE Bolom. Sign. from HSJFP7 (C6)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P14	SPIRE Bolom. Sign. from HSJFP7 (C6)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P15	SPIRE Bolom. Sign. from HSJFP8 (C6)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P16	SPIRE Bolom. Sign. from HSJFP8 (C6)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P17	SPIRE Bolom. Sign. from HSJFP9 (C5)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P18	SPIRE Bolom. Sign. from HSJFP9 (C5)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P19	SPIRE Bolom. Sign. from HSJFP10 (C5)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P20	SPIRE Bolom. Sign. from HSJFP10 (C5)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P21	SPIRE Bolom. Sign. from HSJFP11 (C4)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P22	SPIRE Bolom. Sign. from HSJFP11 (C4)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P23	SPIRE Bolom. Sign. from HSJFP12 (C4)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P24	SPIRE Bolom. Sign. from HSJFP12 (C4)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFP	121210 P25	PSW Bias Prime -DCU (C03)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFP	121210 P26	PSW Bias Red -DCU (C03)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFP	121210 P27	PMW/PLW Bias Prime -DCU (C03)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFP	121210 P28	PMW/PLW Bias Red -DCU (C03)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFS	121220 J01	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	
HSJFS	121220 J02	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	
HSJFS	121220 J03	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	
HSJFS	121220 J04	SSW Bolom. Sign. HSJFS (C02)	MDM25P	Box	N/A	
HSJFS	121220 J05	SLW Bolom. Ch 1-12 HSJFS (C01)	MDM25P	Box	N/A	
HSJFS	121220 J06	SLW Bolom. Ch 13-24 HSJFS (C01)	MDM25P	Box	N/A	
HSJFS	121220 J07	Bolom.300 mK T.C. (C02)	MDM25P	Box	N/A	
HSJFS	121220 J08	SPIRE Bolom. Not used !!!	MDM25P	Box	N/A	
HSJFS	121220 J09	SSW/SLW Bias Prime (C01)	MDM37S	Box	N/A	
HSJFS	121220 J10	SSW/SLW Bias Red (C01)	MDM37S	Box	N/A	
HSJFS	121220 P01	SSW Bolom. Sign. HSJFS (C02)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P02	SSW Bolom. Sign. HSJFS (C02)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P03	SSW Bolom. Sign. HSJFS (C02)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P04	SSW Bolom. Sign. HSJFS (C02)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P05	SLW Bolom. Ch 1-12 HSJFS (C01)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P06	SLW Bolom. Ch 13-24 HSJFS (C01)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P07	Bolom.300 mK T.C. (C02)	MWDM2L-25S-6C3-.630	H/N	507 T 196 M 25	
HSJFS	121220 P08	SPIRE Bolom. Not used !!!	MWDM2L-25S-6C3-.630	N/A	N/A	
HSJFS	121220 P09	SSW/SLW Bias Prime (C01)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
HSJFS	121220 P10	SSW/SLW Bias Red (C01)	MWDM2L-37P-6C3-.630	H/N	507 T 196 M 37	
CVVUCR	211121 J03	UFThr 019.2° (PACS XP-14 02,04,06,42,43)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J08	UFThr 070.8° (PACS XP-02 J15,16,17,18)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J14	UFThr 125.9° (PACS XP-11 66,68)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J15	UFThr 132.1° (PACS XP-12 67,69)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J16	UFThr 138.3° (HIFI XH-02)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J17	UFThr 144.5° (HIFI XH-05)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J18	UFThr 160.8° (HIFI XH-01)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J19	UFThr 167.0° (HIFI XH-03)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J20	UFThr 173.2° (HIFI XH-04)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J21	UFThr 186.8° HIFI CO XH21,22,23,24	TBD	H/N	TBD	
CVVUCR	211121 J22	UFThr 193.0° (SPIRE XS-04JFP21,22,23,24)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J23	UFThr 199.2° (SPIRE XS-05JFP17,18,19,20)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J24	UFThr 215.0° (SPIRE XS-06JFP13,14,15,16)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J25	UFThr 235.0° (SPIRE XS-07 JFP9,10,11,12)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J26	UFThr 250.8° (SPIRE XS-03JFP25,26,27,28)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J27	UFThr 257.0° (SPIRE XS-08 JFP 5,6,,7,8)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J28	UFThr 263.2° (SPIRE XS-09 JFP 1,2,3,4)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J29	UFThr 276.8° (SPIRE XS-13 FPU 26,28,30)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J30	UFThr. 283.0° (SPIRE XS-11 FPU 25,27,29)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J31	UFThr. 289.2° (SPIRE XS-02JFS 1,2,3,4,7)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J32	UFThr. 305.7° (SPIRE XS-01 JFS 5,6,9,10)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J33	UFThr. 311.9° (SPIRE XS-12 FPU 20,22,24)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
CVVUCR	211121 J34	UFThr. 318.1° (SPIRE XS-10 FPU 19,21,23)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J35	UFThr. 324.3° (CCH V01 to CCU A)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	1C
CVVUCR	211121 J36	UFThr. 340.8° (CCH V02 to CCU B)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	1C
CVVUCR	211121 J37	UFThr. 347.0° (CCH V03 to Cryo SCOE 1)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	1C
CVVUCR	211121 J38	UFThr. 353.2° (CCH V04 to Cryo SCOE 2)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	1C
CVVLCR	211123 J01	CVV L FThr. 018.5° V25 ?	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	2C
CVVLCR	211123 J02	CVV L FThr. 036.0° V Acc Htt, Hot-FacRO	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J03	CVV L FThr. 054.0° (Spare Cables)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J04	CVV L FThr. 071.5° (Position not used)	197-011P22-35P (Junct.)	H/N	TBD	
CVVLCR	211123 J05	CVV L FThr. 126.0° Vent,Htr,LL to EGSE	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J06	CVV L FThr. 144.0° Vent Htr LL to EGSE	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J07	CVV L FThr. 161.5°	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	2C
CVVLCR	211123 J08	CVV L FThr. 198.5°	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	2C
CVVLCR	211123 J09	CVV L FThr. 220.0°	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	2C
CVVLCR	211123 J10	CVV L FThr. 230.0° (poss. Umbil.)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	2C
CVVLCR	211123 J11	CVV L FThr. 257.5° (poss. Umbil.)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J12	CVV L FThr. 288.0° V21	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J13	CVV L FThr. 306.0° V22	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J14	CVV L FThr. 324.0° V23 ?	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVLCR	211123 J15	CVV L FThr. 341.5° V24 ?	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
USFW-CB	214332 J01	OBA T Sensors to CCU A	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214332 J02	OBA T Sensors to CCU B	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214332 J03	OBA T Sensors to EGSE	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214332 J04	OBA tbd	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214332 P01	OBA T Sensors to CCU A	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214332 P02	OBA T Sensors to CCU B	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214332 P03	OBA T Sensors to EGSE	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214332 P04	OBA tbd	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214333 J01	OBA T Sensors to CCU A (DCA13)	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214333 J02	OBA T Sensors to CCU B (DCB12)	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214333 J03	OBA T Sensors to CCU B (DCB16)	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214333 J04	OBA Acc. To EGSE (DCE22)	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214333 P01	OBA T Sensors to CCU A (DCA13)	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214333 P02	OBA T Sensors to CCU B (DCB12)	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214333 P03	OBA T Sensors to CCU B (DCB16)	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214333 P04	OBA Acc. To EGSE (DCE22)	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214334 J01	OBA T Sensors to CCU A	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214334 J02	OBA T Sensors to CCU B	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
USFW-CB	214334 J03	OBA T Sensors to EGSE	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	1C
USFW-CB	214334 J04	OBA Acceler. to EGSE	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	1C
USFW-CB	214334 P01	OBA T Sensors to CCU A	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214334 P02	OBA T Sensors to CCU B	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
USFW-CB	214334 P03	OBA T Sensors to EGSE	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	1C
USFW-CB	214334 P04	OBA Acceler. to EGSE	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	1C
LSFW-CB	214342 J01	Spare H. :10xTP2S038, 1x-B038, 1x-B030	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 J02	HTT T113, P101, T114, T103	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 J03	HTT A109, A107, A101, A102, A103	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 J04	HTT A104, A105, A106, A108	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 J05	HOT T702, T704	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 J06	HOT A701, A702, A703	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214342 P01	Spare H. :10xTP2S038, 1x-B038, 1x-B030	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214342 P02	HTT T113, P101, T114, T103	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214342 P03	HTT A109, A107, A101, A102, A103	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214342 P04	HTT A104, A105, A106, A108	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214342 P05	HOT T702, T704	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214342 P06	HOT A701, A702, A703	MWDM2L-25P-6C3-630	H/N	BS-SS-17D-01	
LSFW-CB	214343 J01	HTT V104	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214343 J02	HTT V103, VS103	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214343 J03	HTT VH 103, VT103	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	
LSFW-CB	214343 J04	HTT V106, VS106	MWDM2L-25S-6C3-630	H/N	BS-SS-171-01	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
LSFW-CB	214343 J05	HTT VH106, VT106	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214343 J06	HTT DLCM1 H101	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214343 J07	HTT H103	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214343 P01	HTT V104	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P02	HTT V103, VS103	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P03	HTT VH 103, VT103	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P04	HTT V106, VS106	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P05	HTT VH106, VT106	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P06	HTT DLCM1 H101	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214343 P07	HTT H103	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214344 J03	HOT L701, H701	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 J04	HOT L702, H702	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 J05	HTT L102, V102	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 J06	HTT L101, H104	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 J07	HTT DLCM 2 H102	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 P03	HOT L701, H701	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214344 P04	HOT L702, H702	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214344 P05	HTT L102, V102	MWDM2L-25P-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214344 P06	HTT L101, H104	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214344 P07	HTT DLCM 2 H102	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
OBS-CB	214411 J01	HIFI Instr Shd T211 Sensors to EGSE	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	1C
OBS-CB	214411 J02	PACS Instr Shd T212 Sensors to CCU A	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	1C
OBS-CB	214411 J03	SPIRE Instr Shd T213 Sensors to CCU B	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	1C
OBS-CB	214411 P01	HIFI Instr Shd T211 Sensors to EGSE	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
OBS-CB	214411 P02	PACS Instr Shd T212 Sensors to CCU A	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
OBS-CB	214411 P03	SPIRE Instr Shd T213 Sensors to CCU B	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
TS-CB	214423 J01	T423 1st Shd UCFS to EGSE 1	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214423 P01	T423 1st Shd UCFS to EGSE 1	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214424 J01	T424 1st Shd UCFS to CCU A	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214424 P01	T424 1st Shd UCFS to CCU A	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214425 J01	ACC 1st Shd UCFS to EGSE 2	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214425 P01	ACC 1st Shd UCFS to EGSE 2	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214443 J01	2nd Shd UCSS to EGSE 1	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214443 P01	2nd Shd UCSS to EGSE 1	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214444 J01	2nd Shd UCSS to CCU B	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214444 P01	2nd Shd UCSS to CCU B	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214463 J01	3rd Shd UCTS to EGSE 1	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214463 P01	3rd Shd UCTS to EGSE 1	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214464 J01	3rd Shd UCTS to CCU A	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214464 P01	3rd Shd UCTS to CCU A	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
HTTA101	21A101 J01	HTTAccelerometerA101	ENDEVCO-EN-159	Box	N/A	
HTTA101	21A101 P01	HTTAccelerometerA101	ENDEVCO-EP-159	H/N	N/A	
HTTA102	21A102 J01	HTTAccelerometerA102	ENDEVCO-EN-159	Box	N/A	
HTTA102	21A102 P01	HTTAccelerometerA102	ENDEVCO-EP-159	Itm	N/A	
HTTA103	21A103 J01	HTTAccelerometerA103	ENDEVCO-EN-159	Box	N/A	
HTTA103	21A103 P01	HTTAccelerometerA103	ENDEVCO-EP-159	Itm	N/A	
HTTA104	21A104 J01	HTTAccelerometerA104	ENDEVCO-EN-159	Box	N/A	
HTTA104	21A104 P01	HTTAccelerometerA104	ENDEVCO-EP-159	Itm	N/A	
HTTA105	21A105 J01	HTTAccelerometerA105	ENDEVCO-EN-159	Box	N/A	
HTTA105	21A105 P01	HTTAccelerometerA105	ENDEVCO-EP-159	Itm	N/A	
HTTA106	21A106 J01	HTTAccelerometerA106	ENDEVCO-EN-159	Box	N/A	
HTTA106	21A106 P01	HTTAccelerometerA106	ENDEVCO-EP-159	Itm	N/A	
HTTA107	21A107 J01	HTTAccelerometerA107	ENDEVCO-EN-159	Box	N/A	
HTTA107	21A107 P01	HTTAccelerometerA107	ENDEVCO-EP-159	Itm	N/A	
HTTA108	21A108 J01	HTTAccelerometerA108	ENDEVCO-EN-159	Box	N/A	
HTTA108	21A108 P01	HTTAccelerometerA108	ENDEVCO-EP-159	Itm	N/A	
HTTA109	21A109 J01	HTTAccelerometerA109	ENDEVCO-EN-159	Box	N/A	
HTTA109	21A109 P01	HTTAccelerometerA109	ENDEVCO-EP-159	Itm	N/A	
OBA201	21A201 J01	OBAAccelerometerA201	ENDEVCO-EN-159	Box	N/A	
OBA201	21A201 P01	OBAAccelerometerA201	ENDEVCO-EP-159	Itm	N/A	

Connector Reference List

 Project:
HERSCHEL

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
OBA202	21A202 J01	OBAccelerometerA202	ENDEVCO-EN-159	Box	N/A	
OBA202	21A202 P01	OBAccelerometerA202	ENDEVCO-EP-159	Itm	N/A	
OBA203	21A203 J01	OBAccelerometerA203	ENDEVCO-EN-159	Box	N/A	
OBA203	21A203 P01	OBAccelerometerA203	ENDEVCO-EP-159	Itm	N/A	
OBA204	21A204 J01	OBAccelerometerA204	ENDEVCO-EN-159	Box	N/A	
OBA204	21A204 P01	OBAccelerometerA204	ENDEVCO-EP-159	Itm	N/A	
OBA205	21A205 J01	OBAccelerometerA205	ENDEVCO-EN-159	Box	N/A	
OBA205	21A205 P01	OBAccelerometerA205	ENDEVCO-EP-159	Itm	N/A	
OBA206	21A206 J01	OBAccelerometerA206	ENDEVCO-EN-159	Box	N/A	
OBA206	21A206 P01	OBAccelerometerA206	ENDEVCO-EP-159	Itm	N/A	
PACSA207	21A207 J01	PACS AccelerometerA207	ENDEVCO-EN-159	Box	N/A	1C
PACSA207	21A207 P01	PACS AccelerometerA207	ENDEVCO-EP-159	Itm	N/A	1C
PACSA208	21A208 J01	PACS AccelerometerA208	ENDEVCO-EN-159	Box	N/A	1C
PACSA208	21A208 P01	PACS AccelerometerA208	ENDEVCO-EP-159	Itm	N/A	1C
A421 1stSh	21A421 J01	1stShIdA421	ENDEVCO-EN-159	Box	N/A	
A421 1stSh	21A421 P01	1stShIdA421	ENDEVCO-EP-159	Itm	N/A	
A422 1stSh	21A422 J01	1stShIdA422	ENDEVCO-EN-159	Box	N/A	
A422 1stSh	21A422 P01	1stShIdA422	ENDEVCO-EP-159	Itm	N/A	
HOTA701	21A701 J01	HOTA701	ENDEVCO-EN-159	Box	N/A	
HOTA701	21A701 P01	HOTA701	ENDEVCO-EP-159	Itm	N/A	
HOTA702	21A702 J01	HOTA702	ENDEVCO-EN-159	Box	N/A	
HOTA702	21A702 P01	HOTA702	ENDEVCO-EP-159	Itm	N/A	
HOTA703	21A703 J01	HOTA703	ENDEVCO-EN-159	Box	N/A	
HOTA703	21A703 P01	HOTA703	ENDEVCO-EP-159	Itm	N/A	
HTTH103	21H103 J01	+ HTT-H103	MWDM2L-09S-6C3-.630	Box	N/A	1C
HTTH103	21H103 P01	+ HTT-H103	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HTTH104	21H104 J01	+ HTT-H104	MWDM2L-09S-6C3-.630	Box	N/A	1C
HTTH104	21H104 P01	+ HTT-H104	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HOTH701	21H701 J01	+ HOTH701-50ohm	MWDM2L-09S-6C3-.630	Box	N/A	
HOTH701	21H701 P01	+ HOTH701-50ohm	MWDM2L-09P-6C3-.630	H/N	LBS9P_11F	
HOTH702	21H702 J01	+ HOTH702-50ohm	MWDM2L-09S-6C3-.630	Box	N/A	
HOTH702	21H702 P01	+ HOTH702-50ohm	MWDM2L-09P-6C3-.630	H/N	LBS9P_11F	
HTTL101	21L101 J01	HTTL101	MWDM2L-09S-6C3-.630	Box	N/A	1C
HTTL101	21L101 P01	HTTL101	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HTTL102	21L102 J01	HTTL102	MWDM2L-09S-6C3-.630	Box	N/A	1C
HTTL102	21L102 P01	HTTL102	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HOTL701	21L701 J01	HOTL701	MWDM2L-09S-6C3-.630	Box	N/A	1C
HOTL701	21L701 P01	HOTL701	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HOTL702	21L702 J01	HOTL702	MWDM2L-09S-6C3-.630	Box	N/A	1C
HOTL702	21L702 P01	HOTL702	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HTTP101	21P101 J01	HTTP101	MWDM2L-09S-6C3-.630	Box	N/A	1C
HTTP101	21P101 P01	HTTP101	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HTTP102	21P102 J01	HTTP102	NDDM15SN-BN460-A	Box	N/A	
HTTP102	21P102 P01	HTTP102	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTSPS1	21PPS1 J01	+ HTTPPhaseSep-T111/112-C100	MWDM2L-09S-6C3-.630	H/N	N/A	1C
HTTSPS1	21PPS1 P01	+ HTTPPhaseSep-T111/112-C100	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HTTT103	21T103 J01	+ T103 HTT-Pt1000	NDDM15SN-BN460-A	Box	N/A	
HTTT103	21T103 P01	+ T103 HTT-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTT104	21T104 J01	+ T104 HTT-C100	NDDM15SN-BN460-A	Box	N/A	
HTTT104	21T104 P01	+ T104 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTT105	21T105 J01	+ T105 HTT-C100	NDDM15SN-BN460-A	Box	N/A	
HTTT105	21T105 P01	+ T105 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTT106	21T106 J01	+ T106 HTT-C100	NDDM15SN-BN460-A	Box	N/A	
HTTT106	21T106 P01	+ T106 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTT107	21T107 J01	+ T107 HTT-C100	NDDM15SN-BN460-A	Box	N/A	
HTTT107	21T107 P01	+ T107 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTT113	21T113 J01	+ T113 HTT-C100	NDDM15SN-BN460-A	Box	N/A	
HTTT113	21T113 P01	+ T113 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	

Connector Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HTTT114	21T114 J01	+ T114 HTT-C100	NDDM15SN-BN460-A	Box	NVA	
HTTT114	21T114 P01	+ T114 HTT-C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT202	21T202 J01	+ T202 OBnearPACS-C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT202	21T202 P01	+ T202 OBnearPACS-C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT207	21T207 J01	+ T207 OBA near HIFI -Y+Z foot Pt1000	NDDM15SN-BN460-A	H/N	NVA	
OBAT207	21T207 P01	+ T207 OBA near HIFI -Y+Z foot Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT208	21T208 J01	+ T208 OBA near HIFI -Y+Z foot C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT208	21T208 P01	+ T208 OBA near HIFI -Y+Z foot C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBIST211	21T211 J01	+ T211 OBA Instr Shd near HIFI Pt1000	NDDM15SN-BN460-A	H/N	NVA	
OBIST211	21T211 P01	+ T211 OBA Instr Shd near HIFI Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBIST212	21T212 J01	+ T212 OBA Instr Shd near PACS C100	NDDM15SN-BN460-A	H/N	NVA	
OBIST212	21T212 P01	+ T212 OBA Instr Shd near PACS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBIST213	21T213 J01	+ T213 OBA Instr Shd near SPIRE C100	NDDM15SN-BN460-A	H/N	NVA	
OBIST213	21T213 P01	+ T213 OBA Instr Shd near SPIRE C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT221	21T221 J01	+ T221 OBA CoolStrp1 L0 PACS blueDet C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT221	21T221 P01	+ T221 OBA CoolStrp1 L0 PACS blueDet C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT222	21T222 J01	+ T222 OBA CoolStrp2 L0 PACS redDet C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT222	21T222 P01	+ T222 OBA CoolStrp2 L0 PACS redDet C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT223	21T223 J01	+ T223 OBA CoolStrp3 L0 PACS HePmp C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT223	21T223 P01	+ T223 OBA CoolStrp3 L0 PACS HePmp C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT224	21T224 J01	+ T224 OBA CoolStrp4 L0 PACS Cooler C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT224	21T224 P01	+ T224 OBA CoolStrp4 L0 PACS Cooler C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT225	21T225 J01	+ T225 OBA CoolStrp5 L0 SPIRE SMDet C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT225	21T225 P01	+ T225 OBA CoolStrp5 L0 SPIRE SMDet C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT226	21T226 J01	+ T226 OBA CoolStrp6 L0 SPIRE Cooler C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT226	21T226 P01	+ T226 OBA CoolStrp6 L0 SPIRE Cooler C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT227	21T227 J01	+ T227 OBA CoolStrp7 L0 SPIRE Cooler C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT227	21T227 P01	+ T227 OBA CoolStrp7 L0 SPIRE Cooler C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT228	21T228 J01	+ T228 OBA CoolStrp8 L0 HIFI C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT228	21T228 P01	+ T228 OBA CoolStrp8 L0 HIFI C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT231	21T231 J01	+ T231 OBA Vent InL1 upstr1 PACS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT231	21T231 P01	+ T231 OBA Vent InL1 upstr1 PACS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT232	21T232 J01	+ T232 OBA Vent InL1 downstr1 PACS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT232	21T232 P01	+ T232 OBA Vent InL1 downstr1 PACS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT233	21T233 J01	+ T233 OBA Vent InL1 downstr2 PACS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT233	21T233 P01	+ T233 OBA Vent InL1 downstr2 PACS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT234	21T234 J01	+ T234 OBA Vent InL1 downstr2 PACS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT234	21T234 P01	+ T234 OBA Vent InL1 downstr2 PACS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT235	21T235 J01	+ T235 OBA Vent InL1 upstr3 SPIRE C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT235	21T235 P01	+ T235 OBA Vent InL1 upstr3 SPIRE C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT236	21T236 J01	+ T236 OBA Vent InL1downstr3 SPIRE C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT236	21T236 P01	+ T236 OBA Vent InL1downstr3 SPIRE C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT237	21T237 J01	+ T237 OBA Vent InL1 downstr5 HIFI C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT237	21T237 P01	+ T237 OBA Vent InL1 downstr5 HIFI C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT242	21T242 J01	+ T242 OBA L0 SPIRE FPU StrA C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT242	21T242 P01	+ T242 OBA L0 SPIRE FPU StrA C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT244	21T244 J01	+ T244 OBA L1 HIFI FPU side Strap 5	NDDM15SN-BN460-A	H/N	NVA	
OBAT244	21T244 P01	+ T244 OBA L1 HIFI FPU side Strap 5	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT246	21T246 J01	+ T246 OBA L3 SPIRE JFP or Strap 2	NDDM15SN-BN460-A	H/N	NVA	
OBAT246	21T246 P01	+ T246 OBA L3 SPIRE JFP or Strap 2	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT247	21T247 J01	+ T247 OBA L1 SPIRE JFS Pt1000	NDDM15SN-BN460-A	H/N	NVA	
OBAT247	21T247 P01	+ T247 OBA L1 SPIRE JFS Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT248	21T248 J01	+ T248 OBA L1 SPIRE FPU StrHFS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT248	21T248 P01	+ T248 OBA L1 SPIRE FPU StrHFS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT249	21T249 J01	+ T249 OBA SPIRE FPU FS JFS Pt1000	NDDM15SN-BN460-A	H/N	NVA	
OBAT249	21T249 P01	+ T249 OBA SPIRE FPU FS JFS Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT250	21T250 J01	+ T250 OBA SPIRE FPU FSJFS C100	NDDM15SN-BN460-A	H/N	NVA	
OBAT250	21T250 P01	+ T250 OBA SPIRE FPU FSJFS C100	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT251	21T251 J01	+ T251 OBA SPIRE JFET-P FS Pt1000	NDDM15SN-BN460-A	H/N	NVA	
OBAT251	21T251 P01	+ T251 OBA SPIRE JFET-P FS Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	NVA	
OBAT252	21T252 J01	+ T252 OBA SPIRE FPU FS JFP C100	NDDM15SN-BN460-A	H/N	NVA	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
OBAT252	21T252 P01	+ T252 OBA SPIRE FPU FS JFP C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
OBAT253	21T253 J01	+ T253 OBA SPIRE FPU HOB Pt1000	NDDM15SN-BN460-A	H/N	N/A	
OBAT253	21T253 P01	+ T253 OBA SPIRE FPU HOB Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
OBAT254	21T254 J01	+ T254 OBA SPIRE FPU HOB C100	NDDM15SN-BN460-A	H/N	N/A	
OBAT254	21T254 P01	+ T254 OBA SPIRE FPU HOB C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
OBAT255	21T255 J01	+ T255 OBA SPIRE FPU HOB Pt1000	NDDM15SN-BN460-A	H/N	N/A	
OBAT255	21T255 P01	+ T255 OBA SPIRE FPU HOB Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
OBAT256	21T256 J01	+ T256 OBA SPIRE FPU HOB C100	NDDM15SN-BN460-A	H/N	N/A	
OBAT256	21T256 P01	+ T256 OBA SPIRE FPU HOB C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
OBAT258	21T258 J01	+ T258 OBA SPIRE L2 near -Y-Z foot	NDDM15SN-BN460-A	H/N	N/A	
OBAT258	21T258 P01	+ T258 OBA SPIRE L2 near -Y-Z foot	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
1stShT421	21T421 J01	+ 1stShldlow-T421-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
1stShT421	21T421 P01	+ 1stShldlow-T421-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
1stShT422	21T422 J01	+ 1stShldcyl-T422-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
1stShT422	21T422 P01	+ 1stShldcyl-T422-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4231stSh	21T423 J01	+ T423 1st Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4231stSh	21T423 P01	+ T423 1st Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4241stSh	21T424 J01	+ T424 1st Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4241stSh	21T424 P01	+ T424 1st Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
1stShT441	21T441 J01	+ 2ndShldlow-T441-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
1stShT441	21T441 P01	+ 2ndShldlow-T441-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
2ndShT442	21T442 J01	+ 2ndShldcyl-T442-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
2ndShT442	21T442 P01	+ 2ndShldcyl-T442-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4432ndSh	21T443 J01	+ T443 2nd Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4432ndSh	21T443 P01	+ T443 2nd Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4442ndSh	21T444 J01	+ T444 2nd Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4442ndSh	21T444 P01	+ T444 2nd Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
3rdShT461	21T461 J01	+ 3rdShldlow-T461-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
3rdShT461	21T461 P01	+ 3rdShldlow-T461-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
3rdShT462	21T462 J01	+ 3rdShldcyl-T462-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
3rdShT462	21T462 P01	+ 3rdShldcyl-T462-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4633rdSh	21T463 J01	+ T463 3rd Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4633rdSh	21T463 P01	+ T463 3rd Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
T4643rdSh	21T464 J01	+ T464 3rd Shd upper cone Pt1000	NDDM15SN-BN460-A	H/N	N/A	
T4643rdSh	21T464 P01	+ T464 3rd Shd upper cone Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HOTT701	21T701 J01	+ HOT-7701-Pt1000	NDDM15SN-BN460-A	Box	N/A	
HOTT701	21T701 P01	+ HOT-7701-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HOTT702	21T702 J01	+ HOT-7702-C100	NDDM15SN-BN460-A	Box	N/A	
HOTT702	21T702 P01	+ HOT-7702-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HOTT703	21T703 J01	+ HOT-7703-C100	NDDM15SN-BN460-A	Box	N/A	
HOTT703	21T703 P01	+ HOT-7703-C100	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HOTT704	21T704 J01	+ HOT-7704-Pt1000	NDDM15SN-BN460-A	Box	N/A	
HOTT704	21T704 P01	+ HOT-7704-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
UChT851	21T851 J01	+ T853 UpperChain Sens flying lead	NDDM15SN-BN460-A	DSS	N/A	
UChT851	21T851 P01	+ T853 UpperChain Sens flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
UChT852	21T852 J01	+ T852 UpperChain Sens flying lead	NDDM15SN-BN460-A	DSS	N/A	
UChT852	21T852 P01	+ T852 UpperChain Sens flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
UChT853	21T853 J01	+ T851 UpperChain Sens flying lead	NDDM15SN-BN460-A	DSS	N/A	
UChT853	21T853 P01	+ T851 UpperChain Sens flying lead	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
USFT861	21T861 J01	+ T861 Upper SpatFwSens	NDDM15SN-BN460-A	H/N	N/A	
USFT861	21T861 P01	+ T861 Upper SpatFwSens	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
TS-CB	21T862 J01	+ T862 Upper SpatFwSens	NDDM15SN-BN460-A	Itm	N/A	
TS-CB	21T862 P01	+ T862 Upper SpatFwSens	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTV102	21V102 J01	+ HTT-elValve-V102	MWDM2L-15S-6C3-.630	Box	N/A	1C
HTTV102	21V102 P01	+ HTT-elValve-V102	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HTTV103	21V103 J01	HTT-elValve-V103	MWDM2L-15S-6C3-.630	Box	N/A	1C
HTTV103	21V103 P01	HTT-elValve-V103	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HTTV104	21V104 J01	HTT-elValve-V104	MWDM2L-15S-6C3-.630	Box	N/A	1C
HTTV104	21V104 P01	HTT-elValve-V104	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HTTV105	21V105 J01	HTT-elValve-V105	MWDM2L-15S-6C3-.630	Box	N/A	1C

Astrium GmbH

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HERSCHEL

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HTTV105	21V105 P01	HTT-elValve-V105	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HTTV106	21V106 J01	HTT-elValve-V106	MWDM2L-15S-6C3-.630	Box	N/A	1C
HTTV106	21V106 P01	HTT-elValve-V106	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HOTV701	21V701 J01	HOT-elValve-V701	MWDM2L-15S-6C3-.630	Box	N/A	1C
HOTV701	21V701 P01	HOT-elValve-V701	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
HOTV702	21V702 J01	HOT-elValve-V702	MWDM2L-15S-6C3-.630	Box	N/A	1C
HOTV702	21V702 P01	HOT-elValve-V702	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
EXRO UNIT	431100 JxC2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxC2	Dummy Connector	>> Dummy Connector	N/A	N/A	
DI_DCE16	DI_C01 J01	+ Dummy Connector	>Dummy connector 20S (Ju)	N/A	N/A	1C
DI_DCE16	DI_C01 P01	+ Dummy Connector	>Dummy connector 20P (Pi)	N/A	N/A	1C
D214342J01	DI_C02 J01	+ Dummy Connector	>> Dummy Connector	N/A	N/A	1C
D214342J01	DI_C02 P01	+ Dummy Connector	>> Dummy Connector	N/A	N/A	1C

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2F/Sig H internal to FPU						
H TEL CB	141100 P01	Telescope Heater nom. from PDU A	MS27484T14F18PA	Box	G9254_524_14_*xy	
H TEL CB	141100 P02	Telescope Heater red. from PDU B	MS27484T14F18PB	Box	G9254_524_14_*xy	
H TEL CB	141100 P03	Telescope Sensors to CCU A	MS27484T14F35PA	Box	G9254_524_14_*xy	
H TEL CB	141100 P04	Telescope Sensors to CCU B	MS27484T14F35PB	Box	G9254_524_14_*xy	
EXRO UNIT	431100 JxF2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxF2	Dummy Connector	>> Dummy Connector	N/A	N/A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2I/Sig H fr CVVFT to SVMCB						
HHLOU	111200 J15	+ HIFI LOU LCU Heater main	DEMA-09P-NMB-FO	Box	N/A	
HHLOU	111200 J16	+ HIFI LOU LCU Heater red	DEMA-09P-NMB-FO	Box	N/A	
HHLOU	111200 P15	+ HIFI LOU LCU Heater main	SCC340100201BDEMA09SNM	H/N	CA-04-09	
HHLOU	111200 P16	+ HIFI LOU LCU Heater red	SCC340100201BDEMA09SNM	H/N	CA-04-09	
H TEL CB	141100 J01	Telescope Heater nom. from PDU A	MS27497T14F18SA	H/N	TBD	
H TEL CB	141100 J02	Telescope Heater red. from PDU B	MS27497T14F18SB	H/N	TBD	
H TEL CB	141100 J03	Telescope Sensors to CCU A	MS27497T14F35SA	H/N	TBD	
H TEL CB	141100 J04	Telescope Sensors to CCU B	MS27497T14F35SB	H/N	TBD	
CVVUCR	211121 P03	UFThr 019.2° (PACS XP-14 02,04,06,42,43)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P08	UFThr 070.8° (PACS XP-02 J15,16,17,18)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P14	UFThr 125.9° (PACS XP-11 66,68)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P15	UFThr 132.1° (PACS XP-12 67,69)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P16	UFThr 138.3° (HIFI XH-02)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P17	UFThr 144.5° (HIFI XH-05)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P18	UFThr 160.8° (HIFI XH-01)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P19	UFThr 167.0° (HIFI XH-03)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P20	UFThr 173.2° (HIFI XH-04)	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P21	UFThr 186.8° HIFI CO XH21,22,23,24	TBD	H/N	TBD	
CVVUCR	211121 P22	UFThr 193.0° (SPIRE XS-04JFP21,22,23,24)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P23	UFThr 199.2° (SPIRE XS-05JFP17,18,19,20)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P24	UFThr 215.0° (SPIRE XS-06JFP13,14,15,16)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P25	UFThr 235.0° (SPIRE XS-07 JFP9,10,11,12)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P26	UFThr 250.8° (SPIRE XS-03JFP25,26,27,28)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P27	UFThr 257.0° (SPIRE XS-08 JFP 5,6,7,8)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P28	UFThr 263.2° (SPIRE XS-09 JFP 1,2,3,4)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P29	UFThr 276.8° (SPIRE XS-13 FPU 26,28,30)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P30	UFThr. 283.0° (SPIRE XS-11 FPU 25,27,29)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P31	UFThr. 289.2° (SPIRE XS-02JFS 1,2,3,4,7)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P32	UFThr. 305.7° (SPIRE XS-01 JFS 5,6,9,10)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P33	UFThr. 311.9° (SPIRE XS-12 FPU 20,22,24)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P34	UFThr. 318.1° (SPIRE XS-10 FPU 19,21,23)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P35	UFThr. 324.3° (CCH V01 to CCU A)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	1C
CVVUCR	211121 P36	UFThr. 340.8° (CCH V02 to CCU B)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	1C
CVVUCR	211121 P37	UFThr. 347.0° (CCH V03 to Cryo SCOE 1)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	1C
CVVUCR	211121 P38	UFThr. 353.2° (CCH V04 to Cryo SCOE 2)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	1C
CVVLCR	211123 P01	CVV L FThr. 018.5° V25 ?	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	2C
CVVLCR	211123 P02	CVV L FThr. 036.0° V Acc Htt, Hot-FacRO	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P03	CVV L FThr. 054.0° (Spare Cables)	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P04	CVV L FThr. 071.5° (Position not used)	MS27484T22F-35S (PI+ShI)	H/N	N/A	
CVVLCR	211123 P05	CVV L FThr. 126.0° Vent,Htr,LL to EGSE	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P06	CVV L FThr. 144.0° Vent Htr LL to EGSE	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P07	CVV L FThr. 161.5°	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	2C
CVVLCR	211123 P08	CVV L FThr. 198.5°	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	2C
CVVLCR	211123 P09	CVV L FThr. 220.0°	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	2C
CVVLCR	211123 P10	CVV L FThr. 230.0° (poss. Umbil.)	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	2C
CVVLCR	211123 P11	CVV L FThr. 257.5° (poss. Umbil.)	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P12	CVV L FThr. 288.0° V21	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P13	CVV L FThr. 306.0° V22	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P14	CVV L FThr. 324.0° V23 ?	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CVVLCR	211123 P15	CVV L FThr. 341.5° V24 ?	MS27484T22F-35S (PI+ShI)	H/N	G9254 F22 M / M22-0	
CC CB	211310 J01	Cover Status Ind. Close nom. SI603	MWDM2L-15S-6C3-.630	H/N	TBD	
CC CB	211310 J02	Cover Status Ind. Close red. SI604	MWDM2L-15S-6C3-.630	H/N	TBD	
CC CB	211310 J03	Cover NCA N601	SCC3401-04401B03-12-98PA	H/N	TBD	
CC CB	211310 J04	Cover NCA N602	SCC3401-04401B03-12-98PB	H/N	TBD	
CC CB	211310 J05	Cover Status Ind. Open nom. SI601	SCC3401-04401B03-12-35PA	H/N	TBD	
CC CB	211310 J06	Cover Status Ind. Open red. SI602	MWDM2L-09S-6C3-.630	H/N	TBD	
CC CB	211310 P01	Cover Status Ind. Close nom. SI603	MWDM2L-15P-6C3-.630	H/N	TBD	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
CC CB	211310 P02	Cover Status Ind. Close red. SI604	MWDM2L-15P-6C3-.630	H/N	TBD	
CC CB	211310 P03	Cover NCA N601	SCC3401-04401B06G-12-98SA	H/N	TBD	
CC CB	211310 P04	Cover NCA N602	SCC3401-04401B06G-12-98SB	H/N	TBD	
CC CB	211310 P05	Cover Status Ind. Open nom. SI601	SCC3401-04401B06G-12-35SA	H/N	TBD	
CC CB	211310 P06	Cover Status Ind. Open red. SI602	MWDM2L-09P-6C3-.630	H/N	TBD	
CC FTH CB	211311 J07	Cover Inside Thermal Sensors	MWDM2L-15S-6C3-.630	H/N	TBD	
CC FTH CB	211311 P07	Cover Inside Thermal Sensors	MWDM2L-15P-6C3-.630	H/N	TBD	
HOT CB	212510 J01	HOT Connector Bracket	MWDM2L-15S-6C3-.630	H/N	TBD	
HOT CB	212510 J02	HOT Connector Bracket	MWDM2L-15S-6C3-.630	H/N	TBD	
HOT CB	212510 P01	HOT Connector Bracket	MWDM2L-15P-6C3-.630	H/N	TBD	
HOT CB	212510 P02	HOT Connector Bracket	MWDM2L-15P-6C3-.630	H/N	TBD	
LSFW-CB	214341 J03	CCH LSF Con. Bracket T111 DLCM 1	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214341 J04	CCH LSF Con. Bracket T106 DLCM2	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214341 J05	CCH LSF Con. Bracket T101 T112	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214341 J06	CCH LSF Con. Bracket T107 DLCM2	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214341 J07	CCH LSF Con. Bracket T701 T703	MWDM2L-25S-6C3-.630	H/N	BS-SS-171-01	
LSFW-CB	214341 P03	CCH LSF Con. Bracket T111 DLCM 1	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214341 P04	CCH LSF Con. Bracket T106 DLCM2	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214341 P05	CCH LSF Con. Bracket T101 T112	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214341 P06	CCH LSF Con. Bracket T107 DLCM2	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
LSFW-CB	214341 P07	CCH LSF Con. Bracket T701 T703	MWDM2L-25P-6C3-.630	H/N	BS-SS-17D-01	
TS-CB	214421 J01	T421 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214421 P01	T421 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214422 J01	T422 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214422 P01	T422 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214441 J01	T441 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214441 P01	T441 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214442 J01	T442 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214442 P01	T442 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214461 J01	T461 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214461 P01	T461 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
TS-CB	214462 J01	T462 Connector Bracket	MWDM2L-09S-6C3-.630	H/N	BS-SS-144-01	
TS-CB	214462 P01	T462 Connector Bracket	MWDM2L-09P-6C3-.630	H/N	BS-SS-143-01	
DLCM 1	21D101 J01	+ DLCM1 HS101, T105, T101 Connector	MWDM2L-15S-6C3-.630	Itm	N/A	1C
DLCM 1	21D101 J02	+ DLCM1 H101 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	1C
DLCM 1	21D101 P01	+ DLCM1 HS101, T105, T101 Connector	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
DLCM 1	21D101 P02	+ DLCM1 H101 Connector	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
DLCM 2	21D102 J01	+ DLCM2 HS102, T104, T102 Connector	MWDM2L-15S-6C3-.630	Itm	N/A	1C
DLCM 2	21D102 J02	+ DLCM2 H102 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	1C
DLCM 2	21D102 P01	+ DLCM2 HS102, T104, T102 Connector	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	1C
DLCM 2	21D102 P02	+ DLCM2 H102 Connector	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	1C
HT 9.x M1	21H331 J01	+ Telescope H331 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 9.x M1	21H331 P01	+ Telescope H331 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 3.x M1	21H332 J01	+ Telescope H332 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 3.x M1	21H332 P01	+ Telescope H332 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 4.x M1	21H333 J01	+ Telescope H333 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 4.x M1	21H333 P01	+ Telescope H333 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 5.x M1	21H334 J01	+ Telescope H334 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 5.x M1	21H334 P01	+ Telescope H334 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 6.x M1	21H335 J01	+ Telescope H335 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 6.x M1	21H335 P01	+ Telescope H335 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 7.x M1	21H336 J01	+ Telescope H336 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 7.x M1	21H336 P01	+ Telescope H336 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 8.x M1	21H337 J01	+ Telescope H337 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 8.x M1	21H337 P01	+ Telescope H337 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HT 2 M2	21H339 J01	+ Telescope H339 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
HT 2 M2	21H339 P01	+ Telescope H339 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
HighPwH50	21H501 J01	+ Ventline Unit H501 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HighPwH50	21H501 P01	+ Ventline Unit H501 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
ExVentH502	21H502 J01	+ external Ventline H502 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
ExVentH502	21H502 P01	+ external Ventline H502 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
ExVentH503	21H503 J01	+ external Ventline H503 Connector	MWDM2L-09S-6C3-.630	Itm	N/A	
ExVentH503	21H503 P01	+ external Ventline H503 Connector	MWDM2L-09P-6C3-.630	H/N	TBD	
CovN601	21N601 J01	+ Cover NCA N601 Connector	SCC3401-04401B03-12-98PA	Itm	N/A	
CovN601	21N601 P01	+ Cover NCA N601 Connector	SCC3401-04401B06G-12-98SA	Itm	N/A	
CovN602	21N602 J01	+ Cover NCA N602 Connector	SCC3401-04401B03-12-98PB	Itm	N/A	
CovN602	21N602 P01	+ Cover NCA N602 Connector	SCC3401-04401B06G-12-98SB	H/N	TBD	
ExVentP501	21P501 J01	+ external Ventline P501 Connector	197-012P10-98S (Plug)	Itm	N/A	
ExVentP501	21P501 P01	+ external Ventline P501 Connector	197-012P10-98S (Plug)	H/N	TBD	
ExVentP502	21P502 J01	+ external Ventline P502 Connector	197-012P10-98S (Plug)	Itm	N/A	
ExVentP502	21P502 P01	+ external Ventline P502 Connector	197-012P10-98S (Plug)	H/N	TBD	
HOTP701	21P701 J01	+ lower SFW P701	MWDM2L-09S-6C3-.630	Itm	N/A	1C
HOTP701	21P701 P01	+ lower SFW P701	MWDM2L-09P-6C3-.630	H/N	TBD	1C
CovSNO601	21S601 J01	+ Cover Status Ind. Open nom. Con. SI601	SCC3401-04401B03-12-98PA	Itm	N/A	
CovSNO601	21S601 P01	+ Cover Status Ind. Open nom. Con. SI601	SCC3401-04401B06G-12-98SA	Itm	N/A	
CovSNC602	21S602 J01	+ Cover Status Ind. Open red. Con. SI602	tdb	Itm	N/A	
CovSNC602	21S602 P01	+ Cover Status Ind. Open red. Con. SI602	tdb	H/N	TBD	
CovSRO603	21S603 J01	+ Cover Status Ind. Close nom. Con. SI603	tdb	Itm	N/A	
CovSRO603	21S603 P01	+ Cover Status Ind. Close nom. Con. SI603	tdb	H/N	TBD	
CovSRC604	21S604 J01	+ Cover Status Ind. Close red. Con. SI604	tdb	Itm	N/A	
CovSRC604	21S604 P01	+ Cover Status Ind. Close red. Con. SI604	tdb	H/N	TBD	
HTTH331	21T331 J01	+ Telescope HTTH331 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH331	21T331 P01	+ Telescope HTTH331 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH332	21T332 J01	+ Telescope HTTH332 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH332	21T332 P01	+ Telescope HTTH332 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH333	21T333 J01	+ Telescope HTTH333 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH333	21T333 P01	+ Telescope HTTH333 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH334	21T334 J01	+ Telescope HTTH334 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH334	21T334 P01	+ Telescope HTTH334 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH335	21T335 J01	+ Telescope HTTH335 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH335	21T335 P01	+ Telescope HTTH335 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH336	21T336 J01	+ Telescope HTTH336 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH336	21T336 P01	+ Telescope HTTH336 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH337	21T337 J01	+ Telescope HTTH337 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH337	21T337 P01	+ Telescope HTTH337 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH338	21T338 J01	+ Telescope HTTH338 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH338	21T338 P01	+ Telescope HTTH338 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH339	21T339 J01	+ Telescope HTTH339 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH339	21T339 P01	+ Telescope HTTH339 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH340	21T340 J01	+ Telescope HTTH340 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH340	21T340 P01	+ Telescope HTTH340 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH341	21T341 J01	+ Telescope HTTH341 CCU A	NDDM15SN-BN460-A	H/N	N/A	
HTTH341	21T341 P01	+ Telescope HTTH341 CCU A	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
HTTH342	21T342 J01	+ Telescope HTTH342 CCU B	NDDM15SN-BN460-A	H/N	N/A	
HTTH342	21T342 P01	+ Telescope HTTH342 CCU B	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentT502	21T502 J01	+ Ventline Unit T502 Connector	NDDM15SN-BN460-A	Itm	N/A	
ExVentT502	21T502 P01	+ Ventline Unit T502 Connector	MRN-4194-15P (NDDM-Pin)	H/N	TBD	
ExVentT507	21T507 J01	+ Ventline Unit T507 Connector	NDDM15SN-BN460-A	Itm	N/A	
ExVentT507	21T507 P01	+ Ventline Unit T507 Connector	MRN-4194-15P (NDDM-Pin)	H/N	TBD	
CovInT601	21T601 J01	+ Cover Inside Therm. T601	NDDM15SN-BN460-A	Itm	N/A	
CovInT601	21T601 P01	+ Cover Inside Therm. T601	MRN-4194-15P (NDDM-Pin)	H/N	TBD	
CovInT602	21T602 J01	Cover Inside Therm. T602	NDDM15SN-BN460-A	Itm	N/A	
CovInT602	21T602 P01	Cover Inside Therm. T602	MRN-4194-15P (NDDM-Pin)	H/N	TBD	
HSS CB	231230 J01	Sunshade Connector Bracket CCU A	MWDM2L-25S-6C3-.630	H/N	TBD	
HSS CB	231230 J02	Sunshade Connector Bracket CCU B	MWDM2L-25S-6C3-.630	H/N	TBD	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HSS CB	231230 P01	Sunshade Connector Bracket CCU A	MWDM2L-25P-6C3-.630	H/N	TBD	
HSS CB	231230 P02	Sunshade Connector Bracket CCU B	MWDM2L-25P-6C3-.630	H/N	TBD	
HHSVMCB1	311100 J01	HIFI SVM CB1 (HIFI Bundle 02)	SCC340104401B032235P	H/N	440 FS 110 M 22 32	
HHSVMCB1	311100 J02	HIFI SVM CB1 (HIFI Bundle 05)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB1	311100 J03	HIFI SVM CB1 (HIFI Bundle 01)	SCC340104401B032235P	H/N	440 FS 110 M 22 03	
HHSVMCB1	311100 J04	HIFI SVM CB1 (HIFI Bundle 03)	SCC340104401B032235P	H/N	440 FS 110 M 22 03	
HHSVMCB1	311100 J05	HIFI SVM CB1 (HIFI Bundle 04)	SCC340104401B032235P	H/N	440 FS 110 M 22 32	
HHSVMCB2	311200 J02	Spare H. :10xTP2S038, 1x-B038, 1x-B030	Not known Pin	-	TBD	1C
HHSVMCB1	312100 J02	SPIRE SVM CB1 (SPIRE Bundle 05)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB1	312100 J03	SPIRE SVM CB1 (SPIRE Bundle 04)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB1	312100 J04	SPIRE SVM CB1 (SPIRE Bundle 03)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J01	SPIRE SVM CB2 (SPIRE Bundle 08)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J02	SPIRE SVM CB2 (SPIRE Bundle 09)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J03	SPIRE SVM CB2 (SPIRE Bundle 06)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J04	SPIRE SVM CB2 (SPIRE Bundle 07)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J05	SPIRE SVM CB2 (SPIRE Bundle 02)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB2	312200 J06	SPIRE SVM CB2 (SPIRE Bundle 01)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB3	312300 J03	SPIRE SVM CB3 (SPIRE Bundle 13)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB3	312300 J04	SPIRE SVM CB3 (SPIRE Bundle 11)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HHSVMCB3	312300 J05	SPIRE SVM CB3 (SPIRE Bundle 12)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	
HHSVMCB3	312300 J06	SPIRE SVM CB3 (SPIRE Bundle 10)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	
TSCSVMCB	314000 J01	Telescope CB Heaters Pwr Main	MS27497T14F18SN	H/N	TBD	
TSCSVMCB	314000 J02	Telescope CB Heaters Pwr Red	MS27497T14F18SA	H/N	TBD	
TSCSVMCB	314000 J03	Telescope CB Sensors Main	MS27484T12F35SN	H/N	TBD	
TSCSVMCB	314000 J04	Telescope CB Sensors Red	MS27484T12F35SA	H/N	TBD	
TSCSVMCB	314000 J05	Telescope CB NCA PWR Main	DAMA-15S-NMB-FO	H/N	TBD	
TSCSVMCB	314000 J06	Telescope CB NCA PWR Red	DAMA-15S-NMB-FO	H/N	TBD	
TSCSVMCB	314000 J07	Telescope CB NCA Sensors Main	DBMA-25S-NMB-FO	H/N	TBD	
TSCSVMCB	314000 J08	Telescope CB NCA Sensors Red	DBMA-25S-NMB-FO	H/N	TBD	
TSCSVMCB	314000 P02	Telescope CB Heaters Pwr Red	MS27484T14F18PA	H/N	TBD	
TSCSVMCB	314000 P03	Telescope CB Sensors Main	MS27497T12F35PN	H/N	TBD	
TSCSVMCB	314000 P04	Telescope CB Sensors Red	MS27497T12F35PA	H/N	TBD	
TSCSVMCB	314000 P05	Telescope CB NCA PWR Main	DAMA-15P-NMB-FO+Glen 550	H/N	TBD	
TSCSVMCB	314000 P06	Telescope CB NCA PWR Red	DAMA-15P-NMB-FO+Glen 550	H/N	TBD	
TSCSVMCB	314000 P07	Telescope CB NCA Sensors Main	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
TSCSVMCB	314000 P08	Telescope CB NCA Sensors Red	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
TSCSVMCB	314100 J01	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9SNMB	H/N	TBD	
TSCSVMCB	314100 J02	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9SNMB	H/N	TBD	
TSCSVMCB	314100 J03	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9PNMB	H/N	TBD	
TSCSVMCB	314100 J04	Telesc SVM CB Sensors to SVM	MS27497T14F35PB	H/N	TBD	
CCSVMCB	314200 J01	Telesc SVM CB Sensors to SVM	MS27497T14F35PA	H/N	TBD	
CCSVMCB	314200 J02	Telesc SVM CB Sensors to SVM	MS27497T14F35PB	H/N	TBD	
CCSVMCB	314200 J03	Telesc SVM CB Sensors to SVM	SCC3401-04401B03-14-18SA	H/N	TBD	
CCSVMCB	314200 J04	Telesc SVM CB Sensors to SVM	SCC3401-04401B03-14-18SB	H/N	TBD	
CCSVMCB	314200 J05	Telesc SVM CB Sensors to SVM	SCC3401-04401B03-10-35PA	H/N	TBD	
CCSVMCB	314200 J06	Telesc SVM CB Sensors to SVM	MS27497T14F35PB	H/N	TBD	
TSCSVMCB	314300 P01	Telescope Heater from PCDU A	MS27484T14F35PA	H/N	TBD	
TSCSVMCB	314300 P02	Telescope Heater from PCDU B	MS27484T14F35PB	H/N	TBD	
SVM EGSE	315100 J01	SVM CB CCH V03 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	1C
SVM EGSE	315100 J02	SVM CB CCH V04 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	1C
SVM EGSE	315100 J03	SVM CB CCH V21 from CVVLCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
SVM EGSE	315100 J04	SVM CB CCH Acc from HTT, HOT	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
SVM EGSE	315100 J05	SVM CB from Telesc to CCU A	SCC340104401B032235P	H/N	TBD	
SVM EGSE	315100 J06	SVM CB from Telesc to CCU B	SCC340104401B032235P	H/N	TBD	
SVM EGSE	315100 J07	SVM CB CCH V41 from CVVLCR	SCC340104401B032235P	H/N	TBD	
SVM EGSE	315100 J08	SVM CB CCH V42 from CVVLCR	SCC340104401B032235P	H/N	TBD	
CCU EV CB	316100 J01	CCU A ext. Ventline Valves	MS27497T12F35PA	H/N	TBD	

Connector Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
CCU EV CB	316100 J02	CCU B ext. Ventline Valves	MS27497T12F35PB	H/N	TBD	
EGSE CB	321100 J03	SVM CCH CB1 ExtVentIHtr 502/503 to EGSE	MS27497T12F35PN	H/N	TBD	
EGSE CB	321100 J05	SVM CCH ICE 13 to EGSE/Umbil	MS27497T22F35PN	H/N	TBD	
EGSE CB	321100 J06	SVM CCH CB1 104,106,702,L101 to EGSE	MS27497T22F35PN	H/N	TBD	
EGSE CB	321100 J07	SVM CB CVV CCU B Pwr Vent	MS27497T12F35PA	H/N	TBD	
EGSE CB	321100 J08	SVM CCH CB1 P501 T502 to EGSE	MS27497T12F35PB	H/N	TBD	
CCU A CB	321200 J01	SVM CB CCH V01 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	1C
CCU A CB	321200 J02	SVM CB CCH V21 from CVVLCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
CCU A CB	321200 J03	SVM CB CCH V24 from CVVLCR	SCC340104401B032235P	H/N	TBD	
CCU A CB	321200 J04	SVM CB CCH V24 from CVVLCR	SCC340104401B032235P	H/N	TBD	
CCU A CB	321200 J05	SVM CB CCH V24 from CVVLCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
CCU B CB	321300 J01	SVM CB CCH V02 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	1C
CCU B CB	321300 J02	SVM CB CCH V22 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
CCU B CB	321300 J03	SVM CB CCH V23 from CVVUCR	SCC340104401B032235P	H/N	TBD	
CCU B CB	321300 J04	SVM CB CCH V22 from CVVUCR	SCC340104401B032235P	H/N	TBD	
CCU B CB	321300 J05	SVM CB CCH V22 from CVVUCR	SCC340104401B032235P	H/N	440 FS 110 M 22 32	2C
SVMSH	331100 J01	SVM Shield Connector Bracket	MWDM2L-15S-6C3-.630	H/N	TBD	
SVMSH	331100 J02	SVM Shield Connector Bracket	MWDM2L-15S-6C3-.630	H/N	TBD	
SVMSH	331100 P01	SVM Shield Connector Bracket	MWDM2L-15P-6C3-.630	H/N	TBD	
SVMSH	331100 P02	SVM Shield Connector Bracket	MWDM2L-15P-6C3-.630	H/N	TBD	
CryoSCOE	422200 J01	+ Cryo SCOE Connector	MWDM2L-37S-6C3-.630	H/N	N/A	
CryoSCOE	422200 P01	+ Cryo SCOE Connector	MWDM37P w BS	Itm	TBD	
EXRO UNIT	431100 Jx12	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Px12	Dummy Connector	>> Dummy Connector	N/A	N/A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2S/Sig H fr SVMCB to W. Units						
HHLCU	112100 J03	+ HIFI LCU LOU Heater main	SCC340100201BDEMA09SNM	Box	N/A	
HHLCU	112100 J21	+ HIFI LCU ???	DEMA-09P-NMB-FO	Box	N/A	
HHLCU	112100 J23	+ HIFI LCU LOU Heater red	SCC340100201BDEMA09SNM	Box	N/A	
HHLCU	112100 P03	+ HIFI LCU LOU Heater main	DEMA-09P-NMB-FO+Glen 550	H/N	550 B 001 M 1 02	
HHLCU	112100 P21	+ HIFI LCU ???	SCC340100201BDEMA09SNM	H/N	TBC	
HHLCU	112100 P23	+ HIFI LCU LOU Heater red	DEMA-09P-NMB-FO+Glen 550	H/N	550 B 001 M 1 02	
HHFCU	112300 J11	+ HIFI FCU Mixer bias Hor.	DBMA-44P-NMB-FO	Box	N/A	
HHFCU	112300 J12	+ HIFI FCU Magnets & Heaters Hor.	DCMA-37S-NMB-FO	Box	N/A	
HHFCU	112300 J13	+ HIFI FCU ???	DCMA-37S-NMB-FO	Box	N/A	
HHFCU	112300 J14	+ HIFI FCU 1. IF Ampl. Hor.	DBMA-44S-NMB-FO	Box	N/A	
HHFCU	112300 J15	+ HIFI FCU 2. IF Ampl. Hor.	DCMA-62S-NMB-FO	Box	N/A	
HHFCU	112300 J16	+ HIFI FCU Chop. Cal. Therm. Main.	DCMA-62P-NMB-FO	Box	N/A	
HHFCU	112300 J17	+ HIFI FCU Diplexer Hor.	DAMA-15S-NMB-FO	Box	N/A	
HHFCU	112300 J21	+ HIFI FCU Mixer bias Ver.	DBMA-44P-NMB-FO	Box	N/A	
HHFCU	112300 J22	+ HIFI FCU Magnets & Heaters Ver.	DCMA-37P-NMB-FO	Box	N/A	
HHFCU	112300 J23	+ HIFI FCU ????	DCMA-37S-NMB-FO	Box	N/A	
HHFCU	112300 J24	+ HIFI FCU 1. IF Ampl. Ver.	DBMA-44S-NMB-FO	Box	N/A	
HHFCU	112300 J25	+ HIFI FCU 2. IF Ampl. Ver.	DCMA-62S-NMB-FO	Box	N/A	
HHFCU	112300 J26	+ HIFI FCU Chop. Cal. Therm Red.	DCMA-62P-NMB-FO	Box	N/A	
HHFCU	112300 J27	+ HIFI FCU Diplexer Ver.	DAMA-15S-NMB-FO	Box	N/A	
HHFCU	112300 P11	+ HIFI FCU Mixer bias Hor.	SCC340100202BDBMA44SNM	H/N	550 T 001 M 3 03	
HHFCU	112300 P12	+ HIFI FCU Magnets & Heaters Hor.	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 02	
HHFCU	112300 P13	+ HIFI FCU ???	DCMA-37P-NMB-FO	Box	TBD	
HHFCU	112300 P14	+ HIFI FCU 1. IF Ampl. Hor.	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHFCU	112300 P15	+ HIFI FCU 2. IF Ampl. Hor.	DCMA-62P-NMB-FO+Glen 550	H/N	550 T 001 M 6 03	
HHFCU	112300 P16	+ HIFI FCU Chop. Cal. Therm. Main.	DCMA-62S-NMB-FO+Glen 550	H/N	550 T 001 M 6 03	
HHFCU	112300 P17	+ HIFI FCU Diplexer Hor.	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HHFCU	112300 P21	+ HIFI FCU Mixer bias Ver.	SCC340100202BDBMA44SNM	H/N	550 T 001 M 3 03	
HHFCU	112300 P22	+ HIFI FCU Magnets & Heaters Ver.	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 3 02	
HHFCU	112300 P23	+ HIFI FCU ????	DCMA-37P-NMB-FO	Box	TBC	
HHFCU	112300 P24	+ HIFI FCU 1. IF Ampl. Ver.	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHFCU	112300 P25	+ HIFI FCU 2. IF Ampl. Ver.	DCMA-62P-NMB-FO+Glen 550	H/N	550 T 001 M 6 03	
HHFCU	112300 P26	+ HIFI FCU Chop. Cal. Therm Red.	DCMA-62S-NMB-FO+Glen 550	H/N	550 T 001 M 6 03	
HHFCU	112300 P27	+ HIFI FCU Diplexer Ver.	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HH3DH	112700 J01	+ HRS-H IF Sig	SMA Female	Box	N/A	
HH3DH	112700 J02	+ WBS-H IF Sig	SMA Female	Box	N/A	
HH3DH	112700 P01	+ HRS-H IF Sig	SMA Male	Box	TBD	
HH3DH	112700 P02	+ WBS-H IF Sig	SMA Male	Box	TBD	
HH3DV	112800 J01	+ HRS-V IF Sig	SMA Female	Box	N/A	
HH3DV	112800 J02	+ WBS-V IF Sig	SMA Female	Box	N/A	
HH3DV	112800 P01	+ HRS-V IF Sig	SMA Male	Box	TBD	
HH3DV	112800 P02	+ WBS-V IF Sig	SMA Male	Box	TBD	
HSFCU	122200 J11	+ FCU Heater (S10)	DBMA-25S-NMB-FO	Box	N/A	
HSFCU	122200 J12	+ FCU Heater (S12)	DBMA-25S-NMB-FO	Box	N/A	
HSFCU	122200 J13	+ FCU Phot. Stimulus Prime (S11)	SCC340100201BDEMA09SNM	Box	N/A	
HSFCU	122200 J14	+ FCU Phot. Stimulus RE (S13)	SCC340100201BDEMA09SNM	Box	N/A	
HSFCU	122200 J17	+ FCU SMEC Contr. Pr (S11)	DCMA-37S-NMB-FO	Box	N/A	
HSFCU	122200 J18	+ FCU SMEC Contr Re (S13)	DCMA-37S-NMB-FO	Box	N/A	
HSFCU	122200 J19	+ FCU BSM Pr (S11)	DCMA-37S-NMB-FO	Box	N/A	
HSFCU	122200 J20	+ FCU BSM Re (S13)	DCMA-37S-NMB-FO	Box	N/A	
HSFCU	122200 J21	+ FCU Thermometry C Pr (S11)	DAMA-15S-NMB-FO	Box	N/A	
HSFCU	122200 J22	+ FCU Thermometry C Re (S13)	DAMA-15S-NMB-FO	Box	N/A	
HSFCU	122200 J23	+ FCU Thermometry Tail A Pr (S10)	DDMA-50S-NMB-FO	Box	N/A	
HSFCU	122200 J24	+ FCU Thermometry Tail A Re (S12)	DDMA-50S-NMB-FO	Box	N/A	
HSFCU	122200 J25	+ FCU Thermometry Tail B Pr (S10)	DAMA-15S-NMB-FO	Box	N/A	
HSFCU	122200 J26	+ FCU Thermometry Tail B Re (S12)	DAMA-15S-NMB-FO	Box	N/A	
HSFCU	122200 J29	+ FCU SMEC Launch Pr (S11)	DCMA-37P-NMB-FO	Box	N/A	
HSFCU	122200 J30	+ FCU SMEC Launch Re (S13)	DCMA-37P-NMB-FO	Box	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HSFCU	122200 P11	+ FCU Heater (S10)	DBMA-25P-NMB-FO+ Glen 550	H/N	550 T 001 M 3 02	
HSFCU	122200 P12	+ FCU Heater (S12)	DBMA-25P-NMB-FO+ Glen 550	H/N	550 T 001 M 3 02	
HSFCU	122200 P13	+ FCU Phot. Stimulus Prime (S11)	DEMA-09P-NMB-FO+Glen 550	H/N	550 T 001 M 1 02	
HSFCU	122200 P14	+ FCU Phot. Stimulus RE (S13)	DEMA-09P-NMB-FO+Glen 550	H/N	550 T 001 M 1 02	
HSFCU	122200 P17	+ FCU SMEC Contr. Pr (S11)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
HSFCU	122200 P18	+ FCU SMEC Contr Re (S13)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
HSFCU	122200 P19	+ FCU BSM Pr (S11)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
HSFCU	122200 P20	+ FCU BSM Re (S13)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
HSFCU	122200 P21	+ FCU Thermometry C Pr (S11)	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HSFCU	122200 P22	+ FCU Thermometry C Re (S13)	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HSFCU	122200 P23	+ FCU Thermometry Tail A Pr (S10)	DDMA-50P-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSFCU	122200 P24	+ FCU Thermometry Tail A Re (S12)	DDMA-50P-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSFCU	122200 P25	+ FCU Thermometry Tail B Pr (S10)	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HSFCU	122200 P26	+ FCU Thermometry Tail B Re (S12)	DAMA-15P-NMB-FO+Glen 550	H/N	550 T 001 M 2 02	
HSFCU	122200 P29	+ FCU SMEC Launch Pr (S11)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSFCU	122200 P30	+ FCU SMEC Launch Re (S13)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 J05	+ DCU JFP PSW Ch 1-16 (S09)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J06	+ DCU JFP PSW Ch 17-32 (S09)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J07	+ DCU JFP PSW Ch 33-48 (S09)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J08	+ DCU JFP PSW Ch 49-64 (S08)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J09	+ DCU JFP PSW CH 65-80 (S08)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J10	+ DCU JFP PSW Ch 81-96 (S08)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J11	+ DCU JFP PSW Ch 97-112 (S07)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J12	+ DCU JFP PSW Ch 113-128 (S07)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J13	+ DCU JFP PSW Ch 129-144 (S07)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J14	+ DCU JFP PLW Ch 1-16 (S06)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J15	+ DCU JFP PLW Ch 17-32 (S06)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J16	+ DCU JFP PLW Ch 33-48 (S06)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J17	+ DCU JFP PMW Ch 1-16 (S05)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J18	+ DCU JFP PMW Ch 17-32 (S05)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J19	+ DCU JFP Ch 33-48 PMW (B05)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J20	+ DCU JFP PMW Ch 49-64 (S04)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J21	+ DCU JFP PMW Ch 65-80 (S04)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J22	+ DCU JFP PMW Ch 81-93 + PTC (S04)	SCC340100201BDDMA50PNM	Box	N/A	
HSDCU	122300 J23	+ DCU JFS SSW Ch 1-12 (S02)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J24	+ DCU JFS SSW Ch 13-24 (S02)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J25	+ DCU JFS SSW Ch 25-36 (S02)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J26	+ DCU JFS SSW Ch 37-48 (S02)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J27	+ DCU JFS SLW Ch 1-12 (S01)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J28	+ DCU JFS SLW Ch 13-24 (S01)	DCMA-37P-NMB-FO	Box	N/A	
HSDCU	122300 J29	+ DCU Phot. Bias Prime (S03)	DDMA-78S-NMB-FO	Box	N/A	
HSDCU	122300 J30	+ DCU Phot. Bias Red (S03)	DDMA-78S-NMB-FO	Box	N/A	
HSDCU	122300 J31	+ DCU JFS Spect Bias Prime (S01)	DCMA-37S-NMB-FO	Box	N/A	
HSDCU	122300 J32	+ DCU JFS Spect Bias Red (S01)	DCMA-37S-NMB-FO	Box	N/A	
HSDCU	122300 P05	+ DCU JFP PSW Ch 1-16 (S09)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P06	+ DCU JFP PSW Ch 17-32 (S09)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P07	+ DCU JFP PSW Ch 33-48 (S09)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P08	+ DCU JFP PSW Ch 49-64 (S08)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P09	+ DCU JFP PSW CH 65-80 (S08)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P10	+ DCU JFP PSW Ch 81-96 (S08)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P11	+ DCU JFP PSW Ch 97-112 (S07)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P12	+ DCU JFP PSW Ch 113-128 (S07)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P13	+ DCU JFP PSW Ch 129-144 (S07)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P14	+ DCU JFP PLW Ch 1-16 (S06)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P15	+ DCU JFP PLW Ch 17-32 (S06)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P16	+ DCU JFP PLW Ch 33-48 (S06)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P17	+ DCU JFP PMW Ch 1-16 (S05)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P18	+ DCU JFP PMW Ch 17-32 (S05)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P19	+ DCU JFP Ch 33-48 PMW (B05)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P20	+ DCU JFP PMW Ch 49-64 (S04)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P21	+ DCU JFP PMW Ch 65-80 (S04)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HSDCU	122300 P22	+ DCU JFP PMW Ch 81-93 + PTC (S04)	DDMA-50S-NMB-FO+ Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P23	+ DCU JFS SSW Ch 1-12 (S02)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P24	+ DCU JFS SSW Ch 13-24 (S02)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P25	+ DCU JFS SSW Ch 25-36 (S02)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P26	+ DCU JFS SSW Ch 37-48 (S02)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P27	+ DCU JFS SLW Ch 1-12 (S01)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P28	+ DCU JFS SLW Ch 13-24 (S01)	DCMA-37S-NMB-FO+ Glen 550	H/N	550 T 001 M 4 03	
HSDCU	122300 P29	+ DCU Phot. Bias Prime (S03)	DDMA-78P-NMB-FO+Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P30	+ DCU Phot. Bias Red (S03)	DDMA-78P-NMB-FO+Glen 550	H/N	550 T 001 M 5 04	
HSDCU	122300 P31	+ DCU JFS Spect Bias Prime (S01)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
HSDCU	122300 P32	+ DCU JFS Spect Bias Red (S01)	SCC340100201BDCMA37PNM	H/N	550 T 001 M 4 03	
CCU	214100 J01	+ CCU NOM T-Sens 2xT0, 4xT1, 3xT2	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J02	+ CCU NOM T-Sens 3xT3, 2xP-Sens	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J03	+ CCU NOM T-Sens 9xT4	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J04	+ CCU NOM T-Sens 10xT5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J05	+ CCU NOM T-Sens 10xT5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J06	+ CCU NOM T-Sens 10xT 5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J07	+ CCU NOM Valve/DLCM Ctrl	DBMA-25S-NMB-FO	Box	N/A	
CCU	214100 J08	+ CCU NOM Valve/DLCM Mon	DBMA-25S-NMB-FO	Box	N/A	
CCU	214100 J09	+ CCU NOM OBDH I/F In	SCC340100201BDEMA09SNM	Box	N/A	
CCU	214100 J10	+ CCU NOM OBDH I/F Out	SCC340100201BDEMA09SNM	Box	N/A	
CCU	214100 J11	+ CCU NOM Dry Valve Cmd Ariane	DAMA-15P-NMB-FO	Box	N/A	
CCU	214100 J13	+ CCU NOM Test Mil Bus Adress	DAMA-15S-NMB-FO	Box	N/A	
CCU	214100 J14	+ CCU RED T-Sens 2xT0, 4xT1, 3xT2	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J15	+ CCU RED T-Sens 3xT3, 2xP-Sens	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J16	+ CCU RED T-Sens 9xT4	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J17	+ CCU RED T-Sens 10xT5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J18	+ CCU RED T-Sens 10xT5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J19	+ CCU RED T-Sens 10xT 5	DDMA-50S-NMB-FO	Box	N/A	
CCU	214100 J20	+ CCU RED Valve/DLCM Ctrl	DBMA-25S-NMB-FO	Box	N/A	
CCU	214100 J21	+ CCU RED Valve/DLCM Mon	DBMA-25S-NMB-FO	Box	N/A	
CCU	214100 J22	+ CCU RED OBDH I/F In	SCC340100201BDEMA09SNM	Box	N/A	
CCU	214100 J23	+ CCU RED OBDH I/F Out	SCC340100201BDEMA09SNM	Box	N/A	
CCU	214100 J24	+ CCU RED Dry Valve Cmd Ariane	DAMA-15P-NMB-FO	Box	N/A	
CCU	214100 J26	+ CCU RED Test Mil Bus Adress	DAMA-15S-NMB-FO	Box	N/A	
CCU	214100 P01	+ CCU NOM T-Sens 2xT0, 4xT1, 3xT2	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P02	+ CCU NOM T-Sens 3xT3, 2xP-Sens	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P03	+ CCU NOM T-Sens 9xT4	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P04	+ CCU NOM T-Sens 10xT5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P05	+ CCU NOM T-Sens 10xT5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P06	+ CCU NOM T-Sens 10xT 5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P07	+ CCU NOM Valve/DLCM Ctrl	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P08	+ CCU NOM Valve/DLCM Mon	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P09	+ CCU NOM OBDH I/F In	DEMA-09P-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P10	+ CCU NOM OBDH I/F Out	DEMA-09P-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P11	+ CCU NOM Dry Valve Cmd Ariane	DAMA-15S-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P13	+ CCU NOM Test Mil Bus Adress	DAMA-15P-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P14	+ CCU RED T-Sens 2xT0, 4xT1, 3xT2	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P15	+ CCU RED T-Sens 3xT3, 2xP-Sens	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P16	+ CCU RED T-Sens 9xT4	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P17	+ CCU RED T-Sens 10xT5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P18	+ CCU RED T-Sens 10xT5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P19	+ CCU RED T-Sens 10xT 5	DDMA-50P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P20	+ CCU RED Valve/DLCM Ctrl	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P21	+ CCU RED Valve/DLCM Mon	DBMA-25P-NMB-FO+ Glen 550	H/N	TBD	
CCU	214100 P22	+ CCU RED OBDH I/F In	DEMA-09P-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P23	+ CCU RED OBDH I/F Out	DEMA-09P-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P24	+ CCU RED Dry Valve Cmd Ariane	DAMA-15S-NMB-FO+Glen 550	H/N	TBD	
CCU	214100 P26	+ CCU RED Test Mil Bus Adress	DAMA-15P-NMB-FO+Glen 550	H/N	TBD	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
SunshIT301	21T301 J01	+ SunshId-T301-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT301	21T301 P01	+ SunshId-T301-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshIT302	21T302 J01	+ SunshId-T302-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT302	21T302 P01	+ SunshId-T302-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshIT303	21T303 J01	+ SunshId-T303-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT303	21T303 P01	+ SunshId-T303-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshIT304	21T304 J01	+ SunshId-T304-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT304	21T304 P01	+ SunshId-T304-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshIT305	21T305 J01	+ SunshId-T305-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT305	21T305 P01	+ SunshId-T305-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshIT306	21T306 J01	+ SunshId-T306-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshIT306	21T306 P01	+ SunshId-T306-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT311	21T311 J01	+ Sunshade-T311-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT311	21T311 P01	+ Sunshade-T311-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT312	21T312 J01	+ Sunshade-T312-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT312	21T312 P01	+ Sunshade-T312-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT313	21T313 J01	+ Sunshade-T313-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT313	21T313 P01	+ Sunshade-T313-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT314	21T314 J01	+ Sunshade-T314-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT314	21T314 P01	+ Sunshade-T314-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT315	21T315 J01	+ Sunshade-T315-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT315	21T315 P01	+ Sunshade-T315-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SunshaT316	21T316 J01	+ Sunshade-T316-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SunshaT316	21T316 P01	+ Sunshade-T316-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SVMShT321	21T321 J01	+ SVMShId-T321-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SVMShT321	21T321 P01	+ SVMShId-T321-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SVMShT322	21T322 J01	+ SVMShId-T322-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SVMShT322	21T322 P01	+ SVMShId-T322-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SVMShT323	21T323 J01	+ SVMShId-T323-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SVMShT323	21T323 P01	+ SVMShId-T323-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
SVMShT324	21T324 J01	+ SVMShId-T324-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
SVMShT324	21T324 P01	+ SVMShId-T324-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentT501	21T501 J01	+ ExtVentId-T501-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
ExVentT501	21T501 P01	+ ExtVentId-T501-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentT504	21T504 J01	+ ExtVentId-T504-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
ExVentT504	21T504 P01	+ ExtVentId-T504-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentT505	21T505 J01	+ ExtVentId-T505-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
ExVentT505	21T505 P01	+ ExtVentId-T505-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentT506	21T506 J01	+ ExtVentId-T506-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
ExVentT506	21T506 P01	+ ExtVentId-T506-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CovTP651	21T651 J01	+ Cavity-T651-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CovTP651	21T651 P01	+ Cavity-T651-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CovTC652	21T652 J01	+ Cavity-T652-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CovTC652	21T652 P01	+ Cavity-T652-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT901	21T901 J01	+ CVVouts-T901-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT901	21T901 P01	+ CVVouts-T901-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT902	21T902 J01	+ CVVouts-T902-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT902	21T902 P01	+ CVVouts-T902-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT903	21T903 J01	+ CVVouts-T903-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT903	21T903 P01	+ CVVouts-T903-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT904	21T904 J01	+ CVVouts-T904-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT904	21T904 P01	+ CVVouts-T904-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT905	21T905 J01	+ CVVouts-T905-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT905	21T905 P01	+ CVVouts-T905-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT906	21T906 J01	+ CVVouts-T906-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT906	21T906 P01	+ CVVouts-T906-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT907	21T907 J01	+ CVVouts-T907-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT907	21T907 P01	+ CVVouts-T907-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT908	21T908 J01	+ CVVouts-T908-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT908	21T908 P01	+ CVVouts-T908-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT909	21T909 J01	+ CVVouts-T909-Pt1000	NDDM15SN-BN460-A	H/N	N/A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
CVVT909	21T909 P01	+ CVVouts-T909-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT910	21T910 J01	+ CVVouts-T910-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT910	21T910 P01	+ CVVouts-T910-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT911	21T911 J01	+ CVVouts-T911-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT911	21T911 P01	+ CVVouts-T911-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT912	21T912 J01	+ CVVouts-T912-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT912	21T912 P01	+ CVVouts-T912-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT921	21T921 J01	+ CVVoutsBOLABB-T921-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT921	21T921 P01	+ CVVoutsBOLABB-T921-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT922	21T922 J01	+ CVVoutsBOLABB-T922-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT922	21T922 P01	+ CVVoutsBOLABB-T922-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT931	21T931 J01	+ CVVoutsLOUBB-T931-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT931	21T931 P01	+ CVVoutsLOUBB-T931-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT932	21T932 J01	+ CVVoutsLOURad-T932-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT932	21T932 P01	+ CVVoutsLOURad-T932-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT933	21T933 J01	+ CVVoutsLOURad-T933-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT933	21T933 P01	+ CVVoutsLOURad-T933-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT934	21T934 J01	+ CVVoutsLOUWaveGd-T934-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT934	21T934 P01	+ CVVoutsLOUWaveGd-T934-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
CVVT935	21T935 J01	+ CVVoutsLOUWaveGd-T935-Pt1000	NDDM15SN-BN460-A	H/N	N/A	
CVVT935	21T935 P01	+ CVVoutsLOUWaveGd-T935-Pt1000	MRN-4194-15P (NDDM-Pin)	H/N	N/A	
ExVentV501	21V501 J01	+ ExtVentline-elValve-V501	MWDM2L-15S-6C3-.630	Box	N/A	
ExVentV501	21V501 P01	+ ExtVentline-elValve-V501	MWDM2L-15P-6C3-.630	H/N	LBS15P_12F	
ExVentV503	21V503 J01	+ ExtVentline-elValve-V503	MWDM2L-15S-6C3-.630	Box	N/A	
ExVentV503	21V503 P01	+ ExtVentline-elValve-V503	MWDM2L-15P-6C3-.630	H/N	LBS15P_12F	
ExVentV504	21V504 J01	+ ExtVentline-elValve-V504	MWDM2L-15S-6C3-.630	Box	N/A	
ExVentV504	21V504 P01	+ ExtVentline-elValve-V504	MWDM2L-15P-6C3-.630	H/N	LBS15P_12F	
ExVentV505	21V505 J01	+ ExtVentline-elValve-V505	MWDM2L-15S-6C3-.630	Box	N/A	
ExVentV505	21V505 P01	+ ExtVentline-elValve-V505	MWDM2L-15P-6C3-.630	H/N	LBS15P_12F	
HHSVMCB1	311100 P01	HIFI SVM CB1 (HIFI Bundle 02)	MS27484T22F-35S (Pl+Shl)	H/N	380 FS 007 M 22 04	
HHSVMCB1	311100 P02	HIFI SVM CB1 (HIFI Bundle 05)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 04	
HHSVMCB1	311100 P03	HIFI SVM CB1 (HIFI Bundle 01)	MS27484T22F-35S (Pl+Shl)	H/N	380 FS 007 M 22 04	
HHSVMCB1	311100 P04	HIFI SVM CB1 (HIFI Bundle 03)	MS27484T22F-35S (Pl+Shl)	H/N	380 FS 007 M 22 04	
HHSVMCB1	311100 P05	HIFI SVM CB1 (HIFI Bundle 04)	MS27484T22F-35S (Pl+Shl)	H/N	380 FS 007 M 22 04	
HHSVMCB2	311200 P02	Spare H. :10xTP2S038, 1x-B038, 1x-B030	Not known Socket	-	N/A	1C
HHSVMCB1	312100 J1A	Spire Bundle 02/04 Link A	DEMA-09P-NMB-FO	H/N	N/A	
HHSVMCB1	312100 J1B	Spire Bundle 02/04 Link B	SCC340100201BDEMA09SNM	H/N	N/A	
HHSVMCB1	312100 P02	SPIRE SVM CB1 (SPIRE Bundle 05)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB1	312100 P03	SPIRE SVM CB1 (SPIRE Bundle 04)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB1	312100 P04	SPIRE SVM CB1 (SPIRE Bundle 03)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB1	312100 P1A	Spire Bundle 02/04 Link A	SCC340100201BDEMA09SNM	H/N	507 T 196 M 9	
HHSVMCB1	312100 P1B	Spire Bundle 02/04 Link B	DEMA-09P-NMB-FO	H/N	507 T 196 M 9	
HHSVMCB2	312200 P01	SPIRE SVM CB2 (SPIRE Bundle 08)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB2	312200 P02	SPIRE SVM CB2 (SPIRE Bundle 09)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB2	312200 P03	SPIRE SVM CB2 (SPIRE Bundle 06)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB2	312200 P04	SPIRE SVM CB2 (SPIRE Bundle 07)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB2	312200 P05	SPIRE SVM CB2 (SPIRE Bundle 02)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB2	312200 P06	SPIRE SVM CB2 (SPIRE Bundle 01)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB3	312300 J01	+ Launch Latch I/F A	MS27497T10F35PA (Junc)	H/N	N/A	
HHSVMCB3	312300 J02	+ Launch Latch I/F B	MS27497T10F35PA (Junc)	H/N	N/A	
HHSVMCB3	312300 P01	+ Launch Latch I/F A	MS27484T10F35S (Plug)	H/N	TBD	
HHSVMCB3	312300 P02	+ Launch Latch I/F B	MS27484T10F35S (Plug)	H/N	TBD	
HHSVMCB3	312300 P03	SPIRE SVM CB3 (SPIRE Bundle 13)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB3	312300 P04	SPIRE SVM CB3 (SPIRE Bundle 11)	SCC340104401B06G2435S	H/N	380 FS 007 M24 05	
HHSVMCB3	312300 P05	SPIRE SVM CB3 (SPIRE Bundle 12)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	312300 P06	SPIRE SVM CB3 (SPIRE Bundle 10)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
TSCSVMCB	314000 P01	Telescope CB Heaters Pwr Main	MS27484T14F18PN	H/N	TBD	
TSCSVMCB	314100 P01	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9PNMB	H/N	TBD	

Astrium GmbH

Project:
HERSCHEL

Connector Reference List

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
TSCSVMCB	314100 P02	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9PNMB	H/N	TBD	
TSCSVMCB	314100 P03	Telesc SVM CB Sensors to SVM	SCC340100201BDBMA9SNMB	H/N	TBD	
TSCSVMCB	314100 P04	Telesc SVM CB Sensors to SVM	MS27497T14F35SB	H/N	TBD	
CCSVMCB	314200 P01	Telesc SVM CB Sensors to SVM	MS27484T14F35SA	H/N	TBD	
CCSVMCB	314200 P02	Telesc SVM CB Sensors to SVM	MS27497T14F35SB	H/N	TBD	
CCSVMCB	314200 P03	Telesc SVM CB Sensors to SVM	SCC3401-04401B06G-14-18PA	H/N	TBD	
CCSVMCB	314200 P04	Telesc SVM CB Sensors to SVM	SCC3401-04401B06G-14-18PB	H/N	TBD	
CCSVMCB	314200 P05	Telesc SVM CB Sensors to SVM	SCC3401-04401B06G-10-35SA	H/N	TBD	
CCSVMCB	314200 P06	Telesc SVM CB Sensors to SVM	MS27497T14F35SB	H/N	TBD	
TSCSVMCB	314300 J01	Telescope Heater from PCDU A	MS27497T14F35SA	H/N	TBD	
TSCSVMCB	314300 J02	Telescope Heater from PCDU B	MS27497T14F35SB	H/N	TBD	
CCU EV CB	316100 P01	CCU A ext. Ventline Valves	MS27484T12F35SA	H/N	TBD	
CCU EV CB	316100 P02	CCU B ext. Ventline Valves	MS27484T12F35SB	H/N	TBD	
EGSE CB	321100 P03	SVM CCH CB1 ExtVentHtr 502/503 to EGSE	MS27484T12F35SN	H/N	TBD	
EGSE CB	321100 P05	SVM CCH ICE 13 to EGSE/Umbil	MS27484T22F35SN	H/N	TBD	
EGSE CB	321100 P06	SVM CCH CB1 104,106,702,L101 to EGSE	MS27484T22F35SN	H/N	TBD	
EGSE CB	321100 P07	SVM CB CVV CCU B Pwr Vent	MS27484T12F35SA	H/N	TBD	
EGSE CB	321100 P08	SVM CCH CB1 P501 T502 to EGSE	MS27484T12F35SB	H/N	TBD	
CCU A CB	321200 P01	SVM CB CCH V01 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	1C
CCU A CB	321200 P02	SVM CB CCH V21 from CVVLCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	2C
CCU A CB	321200 P03	SVM CB CCH V24 from CVVLCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	
CCU A CB	321200 P04	SVM CB CCH V24 from CVVLCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	
CCU A CB	321200 P05	SVM CB CCH V24 from CVVLCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	2C
CCU B CB	321300 P01	SVM CB CCH V02 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	1C
CCU B CB	321300 P02	SVM CB CCH V22 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	2C
CCU B CB	321300 P03	SVM CB CCH V23 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	
CCU B CB	321300 P04	SVM CB CCH V22 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	
CCU B CB	321300 P05	SVM CB CCH V22 from CVVUCR	MS27484T22F-35S (Pi+ShI)	H/N	TBD	2C
EXRO UNIT	431100 JxS2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxS2	Dummy Connector	>> Dummy Connector	N/A	N/A	
DI_EGSE01	DI_E01 J01	+ Dummy Connector	>Dummy connector 20S (Ju)	-	N/A	1C
DI_EGSE01	DI_E01 P01	+ Dummy Connector	>Dummy connector 20P (Pi)	-	N/A	1C
D311200J01	DI_E02 J01	+ Dummy Connector	>> Dummy Connector	N/A	N/A	1C
D311200J01	DI_E02 P01	+ Dummy Connector	>> Dummy Connector	N/A	N/A	1C

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2T/Sig H Test Equipment						
SVM EGSE	315100 P01	SVM CB CCH V03 from CVVUCR	MS27484T22F-35S (Pl+Shl)	H/N	TBD	1C
SVM EGSE	315100 P02	SVM CB CCH V04 from CVVUCR	MS27484T22F-35S (Pl+Shl)	H/N	TBD	1C
SVM EGSE	315100 P03	SVM CB CCH V21 from CVVLCR	MS27484T22F-35S (Pl+Shl)	H/N	TBD	2C
SVM EGSE	315100 P04	SVM CB CCH Acc from HTT, HOT	MS27484T22F-35S (Pl+Shl)	H/N	TBD	2C
SVM EGSE	315100 P05	SVM CB from Telesc to CCU A	MS27484T22F-35S (Pl+Shl)	H/N	TBD	
SVM EGSE	315100 P06	SVM CB from Telesc to CCU B	MS27484T22F-35S (Pl+Shl)	H/N	TBD	
SVM EGSE	315100 P07	SVM CB CCH V41 from CVVLCR	MS27484T22F-35S (Pl+Shl)	H/N	TBD	
SVM EGSE	315100 P08	SVM CB CCH V42 from CVVLCR	MS27484T22F-35S (Pl+Shl)	H/N	TBD	
PFMCRSC	422210 J01	+ Tank, Ventil & Chain Therm,PTX	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J02	+ OB/USF/SPIRE2nd Shd Therm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J03	+ Tank,Ventil/ Ch Htr/Exci/LLsen/StS/Ter	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J04	+ Tank Htr/Exci/StSw/Therm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J05	+ Spare thermistors	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J06	+ Heater	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J07	+ OB/SPIRE/Shd/CH/USFTherm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J08	+ OB/SPIRE/Shd Therm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J09	+ SunSh/SVM Shd/Ventil/Cavity/CVV Therm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J10	+ SunSh/SVM Shd/Ventil/Cavity/CVVTel Therm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J11	+ Tank/Ventil Htr/Exci/StSw/Lsen/Term	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J12	+ Not Known	MS27497T12F98SB	Itm	N/A	
PFMCRSC	422210 J13	+ LV excit /StSw Spare	MS27497T12F98SA	Itm	N/A	
PFMCRSC	422210 J14	+ SunShd/Telescope/CVVTerm	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J15	+ Not known	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J16	+ Not known	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J17	+ Not known	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J18	+ CVSE VoltM/PTX/SVM Shd,Ventil, Ge,Ca Ther	MS27497T22-35S (Jun.Sh)	Itm	N/A	
PFMCRSC	422210 J19	+ Not known	MS27497T14F35SA	Itm	N/A	
PFMCRSC	422210 J20	+ Valve excit,Status/ CCU arm, switch	MS27497T14F35SA	Itm	N/A	
PFMCRSC	422210 J21	+ Not known	MS27497T14F35SA	Itm	N/A	
PFMCRSC	422210 J22	+ Not known	MS27497T14F35SB	Itm	N/A	
PFMCRSC	422210 P01	+ Tank, Ventil & Chain Therm,PTX	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P02	+ OB/USF/SPIRE2nd Shd Therm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P03	+ Tank,Ventil/ Ch Htr/Exci/LLsen/StS/Ter	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P04	+ Tank Htr/Exci/StSw/Therm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P05	+ Spare thermistors	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P06	+ Heater	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P07	+ OB/SPIRE/Shd/CH/USFTherm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P08	+ OB/SPIRE/Shd Therm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P09	+ SunSh/SVM Shd/Ventil/Cavity/CVV Therm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P10	+ SunSh/SVM Shd/Ventil/Cavity/CVVTel Therm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P11	+ Tank/Ventil Htr/Exci/StSw/Lsen/Term	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P12	+ Not Known	MS27484T12F-98PB (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P13	+ LV excit /StSw Spare	MS27484T12F-98PA (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P14	+ SunShd/Telescope/CVVTerm	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P15	+ Not known	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P16	+ Not known	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P17	+ Not known	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P18	+ CVSE VoltM/PTX/SVM Shd,Ventil, Ge,Ca Ther	MS27484T22F-35P (Pl+Shl)	Itm	TBD	
PFMCRSC	422210 P19	+ Not known	MS27484T14F35PA	Itm	TBD	
PFMCRSC	422210 P20	+ Valve excit,Status/ CCU arm, switch	MS27484T14F35PA	Itm	TBD	
PFMCRSC	422210 P21	+ Not known	MS27484T14F35PA	Itm	TBD	
PFMCRSC	422210 P22	+ Not known	MS27484T14F35PB	Itm	TBD	
ACCRO UNI	422230 J01	+ Facility Accelerometer Readout Unit	tdb		N/A	
ACCRO UNI	422230 P01	+ Facility Accelerometer Readout Unit	tdb		TBD	
EPCVSE	423000 J01	+ Level Probe Readout 701,702	DDMA-50S-NMB-FO	Box	N/A	
EPCVSE	423000 P01	+ Level Probe Readout 701,702	SCC340100201BDDMA50PNM	Box	TBD	

Astrium GmbH

Project:
HERSCHEL

Connector Reference List

Doc. No. : HP-2-ASED-IC-0001 / 4.1

DB Issue : 42 Date : 21.09.2004

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EXRO UNIT	431100 J01	External RO Unit Dummy Connector	MS27484T14F35SA	N/A	N/A	
EXRO UNIT	431100 J02	External RO Unit Dummy Connector	MS27484T14F35SA	N/A	N/A	
EXRO UNIT	431100 JxT2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 P01	External RO Unit Dummy Connector	MS27484T14F35PA	N/A	N/A	
EXRO UNIT	431100 P02	External RO Unit Dummy Connector	MS27484T14F35PA	N/A	N/A	
EXRO UNIT	431100 PxT2	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet :CRL-34 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2U/Sig H fr W.Units to S/C						
EXRO UNIT	431100 JxU2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxU2	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet : CRL-35 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 2W/Sig H among W.Units on SVM						
EXRO UNIT	431100 JxW2	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxW2	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet : CRL-36 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 3-/Low Level Analogue Signal

EXRO UNIT	431100 Jxx3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 3C/LL Sig H in Cryostat						
HPFFPU	131100 J01	FPU to MEC N Filter Wh1 NO (77-81)	MDM31S	Box	N/A	
HPFFPU	131100 J02	FPU to MEC R Filter Wh1 RE (82-86)	MDM31S	Box	N/A	
HPFFPU	131100 J03	FPU to MEC N Filter Wh2 NO (87-91)	MDM31S	Box	N/A	
HPFFPU	131100 J04	FPU to MEC R Filter Wh2 RE (92-96)	MDM31S	Box	N/A	
HPFFPU	131100 J05	FPU to MEC N Cal Src 1/2 NO (117-119)	MDM15S	Box	N/A	
HPFFPU	131100 J06	FPU to MEC R Cal Src 1/2 RE (120-122)	MDM15S	Box	N/A	
HPFFPU	131100 J07	FPU to MEC Chopper Pr (113-116a)	MDM31S	Box	N/A	
HPFFPU	131100 J08	FPU to MEC N TeSens T1/T2 N (123)	MDM09S	Box	N/A	
HPFFPU	131100 J09	FPU to MEC R TeSens T3/T4 R (124)	MDM09S	Box	N/A	
HPFFPU	131100 J10	FPU to DECLWL GeGaDCSupG1 (2,3)	MDM31S	Box	N/A	
HPFFPU	131100 J11	FPU to DECLWL LogSigGeSupG1 (1)	MDM15S	Box	N/A	
HPFFPU	131100 J12	FPU to DECLWL GeGaOutSigG1 (13a,17-23)	MDM25S	Box	N/A	
HPFFPU	131100 J13	FPU to DECLWL GeGaOutClkSyG1 (13b,24-31)	MDM25S	Box	N/A	
HPFFPU	131100 J14	FPU to DECLWL GeGaTempSenG1/2 (75)	MDM15S	Box	N/A	
HPFFPU	131100 J15	FPU to DECLWL GeGaOutClkSyG2 (14b,39-45)	MDM25S	Box	N/A	
HPFFPU	131100 J16	FPU to DECLWL GeGaOutSigG2 (14a,32-38)	MDM25S	Box	N/A	
HPFFPU	131100 J17	FPU to DECLWL LogSigGedetSupG2 (4)	MDM15S	Box	N/A	
HPFFPU	131100 J18	FPU to DECLWL GeGaDcSupG2 (5,6)	MDM31S	Box	N/A	
HPFFPU	131100 J20	FPU to DECSWL GeGaDcSupG3 (8,9)	MDM31S	Box	N/A	
HPFFPU	131100 J21	FPU to DECSWL LogSigGedetSup G3 (7)	MDM15S	Box	N/A	
HPFFPU	131100 J22	FPU to DECSWL GeGaDcSup G3 (15a,46-52)	MDM25S	Box	N/A	
HPFFPU	131100 J23	FPU to DECSWL GeGaOutClkSyG3 (15b,53-60)	MDM25S	Box	N/A	
HPFFPU	131100 J24	FPU to DECSWL GeGaTemSensG3/4 (76)	MDM15S	Box	N/A	
HPFFPU	131100 J25	FPU to DECSWL OutClkSyG4 (16b,68-74)	MDM25S	Box	N/A	
HPFFPU	131100 J26	FPU to DECSWL GeGaOutG4 (16a,61-67)	MDM25S	Box	N/A	
HPFFPU	131100 J27	FPU to DECSWL LogSigGedetSupG4 (10)	MDM15S	Box	N/A	
HPFFPU	131100 J28	FPU to DECSWL GeGaDcSupG4 (11,12)	MDM31S	Box	N/A	
HPFFPU	131100 J40	FPU to MEC N Grat Drv N (97-99)	MDM21S	Box	N/A	
HPFFPU	131100 J41	FPU to MEC N Grat Sens N (100-104)	MDM21S	Box	N/A	
HPFFPU	131100 J42	FPU to MEC R Grat Drv R (105-107)	MDM21S	Box	N/A	
HPFFPU	131100 J43	FPU to MEC R Grat Sens R (108-112)	MDM21S	Box	N/A	
HPFFPU	131100 J50	FPU to BOLC Diff Out FPU1 CL01 (601b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J51	FPU to BOLC Diff Out FPU1 CL01 (602b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J52	FPU to BOLC Det Bias FPU1 CL01 (603-605)	MDM37S	Box	N/A	
HPFFPU	131100 J53	FPU to BOLC Diff Out FPU1 CL02 (606b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J54	FPU to BOLC Diff Out FPU1 CL02 (607b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J55	FPU to BOLC Det Bias FPU1 CL02 (608-610)	MDM37S	Box	N/A	
HPFFPU	131100 J56	FPU to BOLC Diff Out FPU1 CL03 (611b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J57	FPU to BOLC Diff Out FPU1 CL03 (612b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J58	FPU to BOLC Det Bias FPU1 CL03 (613-615)	MDM37S	Box	N/A	
HPFFPU	131100 J59	FPU to BOLC Diff Out FPU1 CL04 (616b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J60	FPU to BOLC Diff Out FPU1 CL04 (617b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J61	FPU to BOLC Det Bias FPU1 CL04 (618-620)	MDM37S	Box	N/A	
HPFFPU	131100 J62	FPU to BOLC Diff Out FPU2 CL01 (621b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J63	FPU to BOLC Diff Out FPU2 CL01 (622-624)	MDM37S	Box	N/A	
HPFFPU	131100 J64	FPU to BOLC Det Bias FPU2 CL01 (625b,c)	MDM37P	Box	N/A	
HPFFPU	131100 J65	FPU to BOLC Diff Out FPU2 CL02 (626-628)	MDM37S	Box	N/A	
HPFFPU	131100 J66	FPU to BOLC Heater/TempSens N (541-544)	MDM37S	Box	N/A	
HPFFPU	131100 J67	FPU to BOLC Heater/TempSens R (545-548)	MDM37S	Box	N/A	
HPFFPU	131100 J68	FPU to BOLC Co/TSens N (529-534/541-544)	MDM37S	Box	N/A	
HPFFPU	131100 J69	FPU to BOLC Co/Tsens R (535-540/545-548)	MDM37S	Box	N/A	
HPFFPU	131100 P01	FPU to MEC N Filter Wh1 NO (77-81)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P02	FPU to MEC R Filter Wh1 RE (82-86)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P03	FPU to MEC N Filter Wh2 NO (87-91)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P04	FPU to MEC R Filter Wh2 RE (92-96)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P05	FPU to MEC N Cal Src 1/2 NO (117-119)	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HPFFPU	131100 P06	FPU to MEC R Cal Src 1/2 RE (120-122)	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HPFFPU	131100 P07	FPU to MEC Chopper Pr (113-116a)	MWDM2L-31P-6C3-.630	H/N	BS-LS-17E-01	
HPFFPU	131100 P08	FPU to MEC N TeSens T1/T2 N (123)	MWDM2L-09P-6C3-.630	H/N	BS-SS-17A-01	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HPFFPU	131100 P09	FPU to MEC R TeSens T3/T4 R (124)	MWDM2L-09P-6C3-.630	H/N	507 T 196 M 9	
HPFFPU	131100 P10	FPU to DECLWL GeGaDCSupG1 (2,3)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P11	FPU to DECLWL LogSigGeSupG1 (1)	MWDM2L-15P-6C3-.630	H/N	BS-LS-17B-01	
HPFFPU	131100 P12	FPU to DECLWL GeGaOutSigG1 (13a,17-23)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P13	FPU to DECLWL GeGaOutCikSyG1 (13b,24-31)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P14	FPU to DECLWL GeGaTempSenG1/2 (75)	MWDM2L-15P-6C3-.630	H/N	BS-LS-17B-01	
HPFFPU	131100 P15	FPU to DECLWL GeGaOutCikSyG2 (14b,39-45)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P16	FPU to DECLWL GeGaOutSigG2 (14a,32-38)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P17	FPU to DECLWL LogSigGedetSupG2 (4)	MWDM2L-15P-6C3-.630	H/N	BS-LS-17B-01	
HPFFPU	131100 P18	FPU to DECLWL GeGaDcSupG2 (5,6)	MWDM2L-31P-6C3-.630	H/N	BS-SS-17E-01	
HPFFPU	131100 P20	FPU to DECSWL GeGaDcSupG3 (8,9)	MWDM2L-31P-6C3-.630	H/N	BS-LS-17E-01	
HPFFPU	131100 P21	FPU to DECSWL LogSigGedetSup G3 (7)	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HPFFPU	131100 P22	FPU to DECSWL GeGaDcSup G3 (15a,46-52)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P23	FPU to DECSWL GeGaOutCikSyG3 (15b,53-60)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P24	FPU to DECSWL GeGaTemSensG3/4 (76)	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HPFFPU	131100 P25	FPU to DECSWL OutCikSyG4 (16b,68-74)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P26	FPU to DECSWL GeGaOutG4 (16a,61-67)	MWDM2L-25P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P27	FPU to DECSWL LogSigGedetSupG4 (10)	MWDM2L-15P-6C3-.630	H/N	BS-SS-17B-01	
HPFFPU	131100 P28	FPU to DECSWL GeGaDcSupG4 (11,12)	MWDM2L-31P-6C3-.630	H/N	BS-LS-17E-01	
HPFFPU	131100 P40	FPU to MEC N Grat Drv N (97-99)	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P41	FPU to MEC N Grat Sens N (100-104)	MWDM2L-21P-6C3-.630	H/N	BS-SS-17C-01	
HPFFPU	131100 P42	FPU to MEC R Grat Drv R (105-107)	MWDM2L-21P-6C3-.630	H/N	BS-SS-17D-01	
HPFFPU	131100 P43	FPU to MEC R Grat Sens R (108-112)	MWDM2L-21P-6C3-.630	H/N	BS-SS-17D-01	
HPFFPU	131100 P50	FPU to BOLC Diff Out FPU1 CL01 (601b,c)	MWDM2L-37S-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P51	FPU to BOLC Diff Out FPU1 CL01 (602b,c)	MWDM2L-37S-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P52	FPU to BOLC Det Bias FPU1 CL01 (603-605)	MWDM2L-37P-6C3-.630	H/N	LBS37P_*15F	
HPFFPU	131100 P53	FPU to BOLC Diff Out FPU1 CL02 (606b,c)	MWDM2L-37S-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P54	FPU to BOLC Diff Out FPU1 CL02 (607b,c)	MWDM2L-37S-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P55	FPU to BOLC Det Bias FPU1 CL02 (608-610)	MWDM2L-37P-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P56	FPU to BOLC Diff Out FPU1 CL03 (611b,c)	MWDM2L-37S-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P57	FPU to BOLC Diff Out FPU1 CL03 (612b,c)	MWDM2L-37S-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P58	FPU to BOLC Det Bias FPU1 CL03 (613-615)	MWDM2L-37P-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P59	FPU to BOLC Diff Out FPU1 CL04 (616b,c)	MWDM2L-37S-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P60	FPU to BOLC Diff Out FPU1 CL04 (617b,c)	MWDM2L-37S-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P61	FPU to BOLC Det Bias FPU1 CL04 (618-620)	MWDM2L-37P-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P62	FPU to BOLC Diff Out FPU2 CL01 (621b,c)	MWDM2L-37S-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P63	FPU to BOLC Diff Out FPU2 CL01 (622-624)	MWDM2L-37P-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P64	FPU to BOLC Det Bias FPU2 CL01 (625b,c)	MWDM2L-37S-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P65	FPU to BOLC Diff Out FPU2 CL02 (626-628)	MWDM2L-37P-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P66	FPU to BOLC Heater/TempSens N (541-544)	MWDM2L-37P-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P67	FPU to BOLC Heater/TempSens R (545-548)	MWDM2L-37P-6C3-.630	H/N	BS-SS-17F-01	
HPFFPU	131100 P68	FPU to BOLC Co/TSens N (529-534/541-544)	MWDM2L-37P-6C3-.630	H/N	BS-LS-17F-01	
HPFFPU	131100 P69	FPU to BOLC Co/TSens R (535-540/545-548)	MWDM2L-37P-6C3-.630	H/N	BS-LS-17F-01	
CVVUCR	211121 J01	UFThr 006.8° (PACS XP-04 25,26,27,28)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J02	UFThr 013.0° (PACS XP-03 20,21,22,23,24)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J04	UFThr 035.7° (PACS XP-15 05,08,40,41)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J05	UFThr 041.9° (PACS XP-05 50,51,52)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J06	UFThr 077.0° (PACS XP-06 53,54,55)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J07	UFThr 054.3° (PACS XP-13 01,03,07,09)	197-011P24-35P (Junct.)	H/N	HERSKT 58-0050	
CVVUCR	211121 J09	UFThr 077.0° (PACS XP-01 10,11,12,13,14)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J10	UFThr 083.2° (PACS XP-07 56,57,58)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J11	UFThr 096.8° (PACS XP-08 59,60,61)	197-011P24-35P (Junct.)	H/N	128/175_176_01_0A	
CVVUCR	211121 J12	UFThr 103.0° (PACS XP-09 62,63)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
CVVUCR	211121 J13	UFThr 109.2° (PACS XP-10 64,65)	197-011P22-35P (Junct.)	H/N	100/172_173_01_0A	
EXRO UNIT	431100 JxC3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxC3	Dummy Connector	>> Dummy Connector	N/A	N/A	

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Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 3F/LL Sig H internal to FPU						
EXRO UNIT	431100 JxF3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxF3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 3I/LL Sig H fr CVVFT to SVMCB						
HHLOU	111200 J01	+ HIFI LOU LCU LO chain 1A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J02	+ HIFI LOU LCU LO chain 1B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J03	+ HIFI LOU LCU LO chain 2A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J04	+ HIFI LOU LCU LO chain 2B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J05	+ HIFI LOU LCU LO chain 3A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J06	+ HIFI LOU LCU LO chain 3B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J07	+ HIFI LOU LCU LO chain 4A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J08	+ HIFI LOU LCU LO chain 4B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J09	+ HIFI LOU LCU LO chain 5A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J10	+ HIFI LOU LCU LO chain 5B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J11	+ HIFI LOU LCU LO chain 6A	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J12	+ HIFI LOU LCU LO chain 6B	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J13	+ HIFI LOU LCU LO chain 6C	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 J14	+ HIFI LOU LCU LO chain 6D	DDMA-50S-NMB-FO	Box	N/A	
HHLOU	111200 P01	+ HIFI LOU LCU LO chain 1A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P02	+ HIFI LOU LCU LO chain 1B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P03	+ HIFI LOU LCU LO chain 2A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P04	+ HIFI LOU LCU LO chain 2B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P05	+ HIFI LOU LCU LO chain 3A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P06	+ HIFI LOU LCU LO chain 3B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P07	+ HIFI LOU LCU LO chain 4A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P08	+ HIFI LOU LCU LO chain 4B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P09	+ HIFI LOU LCU LO chain 5A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P10	+ HIFI LOU LCU LO chain 5B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P11	+ HIFI LOU LCU LO chain 6A	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P12	+ HIFI LOU LCU LO chain 6B	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P13	+ HIFI LOU LCU LO chain 6C	SCC340100201BDDMA50PNM	H/N	CA-34-50	
HHLOU	111200 P14	+ HIFI LOU LCU LO chain 6D	SCC340100201BDDMA50PNM	H/N	CA-34-50	
CVVUCR	211121 P01	UFThr 006.8° (PACS XP-04 25,26,27,28)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P02	UFThr 013.0° (PACS XP-03 20,21,22,23,24)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P04	UFThr 035.7° (PACS XP-15 05,08,40,41)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P05	UFThr 041.9° (PACS XP-05 50,51,52)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P06	UFThr 077.0° (PACS XP-06 53,54,55)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P07	UFThr 054.3° (PACS XP-13 01,03,07,09)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P09	UFThr 077.0° (PACS XP-01 10,11,12,13,14)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P10	UFThr 083.2° (PACS XP-07 56,57,58)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P11	UFThr 096.8° (PACS XP-08 59,60,61)	197-012P24-35S (Plug)	H/N	G9254 F24 M / M24-0	
CVVUCR	211121 P12	UFThr 103.0° (PACS XP-09 62,63)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
CVVUCR	211121 P13	UFThr 109.2° (PACS XP-10 64,65)	197-012P22-35S (Plug)	H/N	G9254 F22 M / M22-0	
HHSVMCB2	311200 J06	HIFI SVM CB3 (LOU Bundle 08)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB2	311200 J07	HIFI SVM CB2 (LOU Bundle 09)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB2	311200 J08	HIFI SVM CB2 (LOU Bundel 12)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB2	311200 P06	HIFI SVM CB3 (LOU Bundle 08)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	311300 J01	HIFI SVM CB2 (LOU Bundel 11)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB3	311300 J03	HIFI SVM CB3 (LOU Bundle 07)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB3	311300 J04	HIFI SVM CB2 (LOU Bundle 10)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HHSVMCB3	311300 J05	HIFI SVM CB3 (LOU Bundle 06)	SCC340104401B032435P	H/N	440 FS 110 M 24 33	
HPSVMCB1	313100 J01	PACS SVM CB1 (PACS Bundle 04)	SCC340104401B032235P	H/N	440 FS 110 M 22 03	
HPSVMCB1	313100 J02	PACS SVM CB1 (PACS Bundle 03)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HPSVMCB1	313100 J04	PACS SVM CB1 (PACS Bundle 14)	SCC340104401B032435P	H/N	440 FS 110 M 22 03	
HPSVMCB1	313100 J05	PACS SVM CB1 (PACS Bundle 15)	SCC340104401B032235P	H/N	440 FS 110 M 24 03	
HPSVMCB1	313100 J06	PACS SVM CB1 (PACS Bundle 13)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HPSVMCB1	313100 J07	PACS SVM CB1 (PACS Bundle 02)	SCC340104401B032235P	H/N	440 FS 110 M 22 03	
HPSVMCB1	313100 J08	PACS SVM CB1 (PACS Bundle 01)	SCC340104401B032435P	H/N	440 FS 110 M 24 03	
HPSVMCB2	313200 J01	PACS SVM CB2 (PACS Bundle 09)	SCC340104401B032235P	H/N	440 FS 110 M 24 32	
HPSVMCB2	313200 J02	PACS SVM CB2 (PACS Bundle 08)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	

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HPSVMCB2	313200 J03	PACS SVM CB2 (PACS Bundel 10)	SCC340104401B032235P	H/N	440 FS 110 M 24 32	
HPSVMCB2	313200 J04	PACS SVM CB2 (PACS Bundel 05)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	
HPSVMCB2	313200 J05	PACS SVM CB2 (PACS Bundle 11)	SCC340104401B032235P	H/N	440 FS 107 M 24 32	
HPSVMCB2	313200 J06	PACS SVM CB2 (PACS Bundle 06)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	
HPSVMCB2	313200 J07	PACS SVM CB2 (PACS Bundle 12)	SCC340104401B032235P	H/N	440 FS 110 M 24 32	
HPSVMCB2	313200 J08	PACS SVM CB2 (PACS Bundle 07)	SCC340104401B032435P	H/N	440 FS 110 M 24 32	
EXRO UNIT	431100 JxI3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxI3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 3S/LL Sig H fr SVMCB to W.Units						
HHLCU	112100 J07	+ HIFI LCU LOU LO chain 1A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J08	+ HIFI LCU LOU LO chain 2A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J09	+ HIFI LCU LOU LO chain 3A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J10	+ HIFI LCU LOU LO chain 4A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J11	+ HIFI LCU LOU LO chain 6A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J12	+ HIFI LCU LOU LO chain 5A	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J13	+ HIFI LCU LOU LO chain 6B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J14	+ HIFI LCU LOU LO chain 1B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J15	+ HIFI LCU LOU LO chain 2B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J16	+ HIFI LCU LOU LO chain 3B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J17	+ HIFI LCU LOU LO chain 4B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J18	+ HIFI LCU LOU LO chain 6C	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J19	+ HIFI LCU LOU LO chain 5B	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 J20	+ HIFI LCU LOU LO chain 6D	DBMA-44S-NMB-FO	Box	N/A	
HHLCU	112100 P07	+ HIFI LCU LOU LO chain 1A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P08	+ HIFI LCU LOU LO chain 2A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P09	+ HIFI LCU LOU LO chain 3A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P10	+ HIFI LCU LOU LO chain 4A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P11	+ HIFI LCU LOU LO chain 6A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P12	+ HIFI LCU LOU LO chain 5A	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P13	+ HIFI LCU LOU LO chain 6B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P14	+ HIFI LCU LOU LO chain 1B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P15	+ HIFI LCU LOU LO chain 2B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P16	+ HIFI LCU LOU LO chain 3B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P17	+ HIFI LCU LOU LO chain 4B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P18	+ HIFI LCU LOU LO chain 6C	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P19	+ HIFI LCU LOU LO chain 5B	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HHLCU	112100 P20	+ HIFI LCU LOU LO chain 6D	SCC340100202BDBMA44PNM	H/N	550 T 001 M 3 03	
HPDECMC	132100 J011	+ MEC1 FPU GratDrv NO (97..99)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J012	+ MEC1 FPU GratSens NO (100..104)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J013	+ MEC1 FPU Filterwh 1 NO (77..81)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J014	+ MEC1 FPU Filterwh 2 NO (87-91)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J015	+ MEC1 FPU Cal Src NO (117-119)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J016	+ MEC1 FPU T1/T2 NO (123)	SCC340100201BDEMA09SNM	Box	N/A	
HPDECMC	132100 J017	+ MEC1 FPU Chopper In (113-116a)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J051	+ DEC1 FPU DB2 DcSup Bia G3 (8,9)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J053	+ DEC1 FPU DB2 LogSig G3 (7)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J055	+ DEC1 FPU DB1 Clk,Sy,Outa G3 (15a,46-52)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J057	+ DEC1 FPU DB2 Clk,Sy,Outb G3 (15b,53-60)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J062	+ DEC1 FPU DB1 DcSup,Bia G4 (11,12)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J064	+ DEC1 FPU DB1 LogSig G4 (10)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J066	+ DEC1 FPU DB1 Clk,Sy,Outa G4 (16a,61-67)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J068	+ DEC1 FPU DB1 Clk,Sy,Outb G4 (16b,68-74)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J078	+ DEC1 FPU TeSens,Htr G3/4 (76)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J111	+ MEC2 FPU GratDrv RE (105..107)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J112	+ MEC2 FPU GratSens RE (108..112)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J113	+ MEC2 FPU Filterwh 1 RE (82..86)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J114	+ MEC2 FPU Filterwh 2 RE (92-96)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J115	+ MEC2 FPU CalSrc RE (120-122)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J116	+ MEC2 FPU T3/T4 RE (124)	SCC340100201BDEMA09SNM	Box	N/A	
HPDECMC	132100 J151	+ DEC2 FPU DB1 DcSup Bia G1 (2,3)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J153	+ DEC2 FPU DB1 Log Sig (1)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J155	+ DEC2 FPU DB1 Clk,Sy,Outa G1 (13a,17-23)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J157	+ DEC2 FPU DB1 Clk,Sy,Outb G1 (13b,24-31)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J162	+ DEC2 FPU DB1 DcSup Bia G2 (5,6)	DCMA-37S-NMB-FO	Box	N/A	
HPDECMC	132100 J164	+ DEC2 FPU DB1 Log Sig G2 (4)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMC	132100 J166	+ DEC2 FPU DB1Clk,Sy,Out G2 (14a,32-38)	DBMA-25S-NMB-FO	Box	N/A	
HPDECMC	132100 J168	+ DEC2 FPU DB1 Clk/Sy/Outb G2 (14b,39-45)	DBMA-25S-NMB-FO	Box	N/A	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HPDECMEC	132100 J178	+ DEC2 FPU DB1 Grp1/2 Te Sens (75)	DAMA-15S-NMB-FO	Box	N/A	
HPDECMEC	132100 P011	+ MEC1 FPU GratDrv NO (97..99)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P012	+ MEC1 FPU GratSens NO (100..104)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 02	
HPDECMEC	132100 P013	+ MEC1 FPU Filterwh 1 NO (77..81)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPDECMEC	132100 P014	+ MEC1 FPU Filterwh 2 NO (87-91)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPDECMEC	132100 P015	+ MEC1 FPU Cal Src NO (117-119)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P016	+ MEC1 FPU T1/T2 NO (123)	DEMA-09P-NMB-FO	H/N	557 T 356 M 1 03	
HPDECMEC	132100 P017	+ MEC1 FPU Chopper In (113-116a)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPDECMEC	132100 P051	+ DEC1 FPU DB2 DCSup Bia G3 (8,9)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 02	
HPDECMEC	132100 P053	+ DEC1 FPU DB2 LogSig G3 (7)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P055	+ DEC1 FPU DB1 Clk,Sy,Outa G3 (15a,46-52)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P057	+ DEC1 FPU DB2 Clk,Sy,Outb G3 (15b,53-60)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P062	+ DEC1 FPU DB1 DcSup,Bia G4 (11,12)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 02	
HPDECMEC	132100 P064	+ DEC1 FPU DB1 LogSig G4 (10)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P066	+ DEC1 FPU DB1 Clk,Sy,Outa G4 (16a,61-67)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P068	+ DEC1 FPU DB1 Clk,Sy,Outb G4 (16b,68-74)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 02	
HPDECMEC	132100 P078	+ DEC1 FPU TeSens,Htr G3/4 (76)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P111	+ MEC2 FPU GratDrv RE (105..107)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P112	+ MEC2 FPU GratSens RE (108..112)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 02	
HPDECMEC	132100 P113	+ MEC2 FPU Filterwh 1 RE (82..86)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPDECMEC	132100 P114	+ MEC2 FPU Filterwh 2 RE (92-96)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPDECMEC	132100 P115	+ MEC2 FPU CalSrc RE (120-122)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P116	+ MEC2 FPU T3/T4 RE (124)	DEMA-09P-NMB-FO	H/N	557 T 356 M 1 03	
HPDECMEC	132100 P151	+ DEC2 FPU DB1 DCSup Bia G1 (2,3)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 02	
HPDECMEC	132100 P153	+ DEC2 FPU DB1 Log Sig (1)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P155	+ DEC2 FPU DB1 Clk,Sy,Outa G1 (13a,17-23)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P157	+ DEC2 FPU DB1 Clk,Sy,Outb G1 (13b,24-31)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P162	+ DEC2 FPU DB1 DcSup Bia G2 (5,6)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 02	
HPDECMEC	132100 P164	+ DEC2 FPU DB1 Log Sig G2 (4)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPDECMEC	132100 P166	+ DEC2 FPU DB1Clk,Sy,Out G2 (14a,32-38)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 03	
HPDECMEC	132100 P168	+ DEC2 FPU DB1 Clk/Sy/Outb G2 (14b,39-45)	DBMA-25P-NMB-FO	H/N	557 T 356 M 3 02	
HPDECMEC	132100 P178	+ DEC2 FPU DB1 Grp1/2 Te Sens (75)	DAMA-15P-NMB-FO	H/N	557 T 356 M 2 02	
HPBOLC	132300 J01	+ BOLC FPU Bolom. CL01 S01-16 ReadO (601)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J02	+ BOLC FPU Bolom. CL01 S17-34 ReadO (602)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J03	+ BOLC FPU Level, Biases 1 (603a,603..605)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J04	+ BOLC FPU Bolom. CL02 S01-16 ReadO (606)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J05	+ BOLC FPU Bolom. CL02 S17-34 ReadO (607)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J06	+ BOLC FPU Level, Biases 2 (608a,608..610)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J07	+ BOLC FPU Bolom. CL03 S01-16 ReadO (611)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J08	+ BOLC FPU Bolom. CL03 S17-34 ReadO (612)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J09	+ BOLC FPU Level, Biases 3 (613a,613..615)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J10	+ BOLC FPU Bolom. CL04 S01-16 ReadO (616)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J11	+ BOLC FPU Bolom. CL04 S17-34 ReadO (617)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J12	+ BOLC FPU Level Biases 4 (618a,618..620)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J13	+ BOLC FPU Bolom. CL05 S01-16 ReadO (621)	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J14	+ BOLC FPU Level, Biases 5 (622a,622..624)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J15	+ BOLC FPU Bolom. CL06 ReadO (625) ?	DCMA-37P-NMB-FO	Box	N/A	
HPBOLC	132300 J16	+ BOLC FPU Bias 6 (626a,626..628)	DCMA-37S-NMB-FO	Box	N/A	
HPBOLC	132300 J17	+ BOLC FPU Htr/Cooler NO (529-34,541-544)	DCMA-62S-NMB-FO	Box	N/A	
HPBOLC	132300 J18	+ BOLC FPU Htr/Cooler RE (535-540,545-548)	DCMA-62S-NMB-FO	Box	N/A	
HPBOLC	132300 P01	+ BOLC FPU Bolom. CL01 S01-16 ReadO (601)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P02	+ BOLC FPU Bolom. CL01 S17-34 ReadO (602)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P03	+ BOLC FPU Level, Biases 1 (603a,603..605)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P04	+ BOLC FPU Bolom. CL02 S01-16 ReadO (606)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P05	+ BOLC FPU Bolom. CL02 S17-34 ReadO (607)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P06	+ BOLC FPU Level, Biases 2 (608a,608..610)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P07	+ BOLC FPU Bolom. CL03 S01-16 ReadO (611)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P08	+ BOLC FPU Bolom. CL03 S17-34 ReadO (612)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P09	+ BOLC FPU Level, Biases 3 (613a,613..615)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P10	+ BOLC FPU Bolom. CL04 S01-16 ReadO (616)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P11	+ BOLC FPU Bolom. CL04 S17-34 ReadO (617)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	

Connector
Reference List

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
HPBOLC	132300 P12	+ BOLC FPU Level Biases 4 (618a,618..620)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P13	+ BOLC FPU Bolom. CL05 S01-16 ReadO (621)	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P14	+ BOLC FPU Level, Biases 5 (622a,622..624)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P15	+ BOLC FPU Bolom. CL06 ReadO (625) ?	DCMA-37S-NMB-FO	H/N	557 T 356 M 4 04	
HPBOLC	132300 P16	+ BOLC FPU Bias 6 (626a,626..628)	DCMA-37P-NMB-FO	H/N	557 T 356 M 4 03	
HPBOLC	132300 P17	+ BOLC FPU Htr/Cooler NO (529-34,541-544)	DCMA-62P-NMB-FO	H/N	557 T 356 M 6 04	
HPBOLC	132300 P18	+ BOLC FPU Htr/Cooler RE (535-540,545-548)	DCMA-62P-NMB-FO	H/N	557 T 356 M 6 04	
HHSVMCB2	311200 P07	HIFI SVM CB2 (LOU Bundle 09)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB2	311200 P08	HIFI SVM CB2 (LOU Bundel 12)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	311300 P01	HIFI SVM CB2 (LOU Bundel 11)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	311300 P03	HIFI SVM CB3 (LOU Bundle 07)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	311300 P04	HIFI SVM CB2 (LOU Bundle 10)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HHSVMCB3	311300 P05	HIFI SVM CB3 (LOU Bundle 06)	SCC340104401B06G2435S	H/N	380 FS 007 M24 04	
HPSVMCB1	313100 P01	PACS SVM CB1 (PACS Bundle 04)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB1	313100 P02	PACS SVM CB1 (PACS Bundle 03)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 05	
HPSVMCB1	313100 P04	PACS SVM CB1 (PACS Bundle 14)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 06	
HPSVMCB1	313100 P05	PACS SVM CB1 (PACS Bundle 15)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB1	313100 P06	PACS SVM CB1 (PACS Bundle 13)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 06	
HPSVMCB1	313100 P07	PACS SVM CB1 (PACS Bundle 02)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB1	313100 P08	PACS SVM CB1 (PACS Bundle 01)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 06	
HPSVMCB2	313200 P01	PACS SVM CB2 (PACS Bundle 09)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB2	313200 P02	PACS SVM CB2 (PACS Bundle 08)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 05	
HPSVMCB2	313200 P03	PACS SVM CB2 (PACS Bundel 10)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB2	313200 P04	PACS SVM CB2 (PACS Bundel 05)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 05	
HPSVMCB2	313200 P05	PACS SVM CB2 (PACS Bundle 11)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB2	313200 P06	PACS SVM CB2 (PACS Bundle 06)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 05	
HPSVMCB2	313200 P07	PACS SVM CB2 (PACS Bundle 12)	MS27484T22F-35S (PI+ShI)	H/N	380 FS 007 M 22 05	
HPSVMCB2	313200 P08	PACS SVM CB2 (PACS Bundle 07)	SCC340104401B06G2435S	H/N	380 FS 007 M 24 05	
EXRO UNIT	431100 JxS3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxS3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH		Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1	
Project:	HERSCHEL		DB Issue : 42	Date : 21.09.2004
			Sheet : CRL-45 (of 51)	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 3T/LL Sig H Test Equipment

EXRO UNIT	431100 JxT3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxT3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet : CRL-46 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 3U/LL Sig H from Warm Units to S/						
EXRO UNIT	431100 JxU3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxU3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH		Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1	
Project:	HERSCHEL		DB Issue : 42	Date : 21.09.2004
			Sheet :CRL-47 (of 51)	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 3W/LL Sig H among W.Units on SV

EXRO UNIT	431100 JxW3	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 PxW3	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet : CRL-48 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 4-/RF Signal						
HHSVMCB3	311300 J07	HIFI SVM CB3 Coax (CVV FTh Bundle 21)	Coax Male (50Ohm)	H/N	TBD	
HHSVMCB3	311300 J08	HIFI SVM CB3 Coax (CVV FTh Bundle 22)	Coax Male (50Ohm)	H/N	TBD	
HHSVMCB3	311300 J09	HIFI SVM CB3 Coax (CVV FTh Bundle 23)	Coax Male (50Ohm)	H/N	TBD	
HHSVMCB3	311300 J10	HIFI SVM CB3 Coax (CVV FTh Bundle 24)	Coax Male (50Ohm)	H/N	TBD	
HHSVMCB3	311300 P07	HIFI SVM CB3 Coax (CVV FTh Bundle 21)	Coax Female (50 Ohm)	H/N	TBD	
HHSVMCB3	311300 P08	HIFI SVM CB3 Coax (CVV FTh Bundle 22)	Coax Female (50 Ohm)	H/N	TBD	
HHSVMCB3	311300 P09	HIFI SVM CB3 Coax (CVV FTh Bundle 23)	Coax Female (50 Ohm)	H/N	TBD	
HHSVMCB3	311300 P10	HIFI SVM CB3 Coax (CVV FTh Bundle 24)	Coax Female (50 Ohm)	H/N	TBD	
EXRO UNIT	431100 Jxx4	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx4	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH		Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1	
Project:	HERSCHEL		DB Issue : 42	Date : 21.09.2004
			Sheet : CRL-49 (of 51)	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 6-/Umbilical Link

EXRO UNIT	431100 Jxx6	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx6	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH	Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1
Project: HERSCHEL		DB Issue : 42 Date : 21.09.2004 Sheet :CRL-50 (of 51)

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
EMC-Category: 7-/Check-out Harness						
EXRO UNIT	431100 Jxx7	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx7	Dummy Connector	>> Dummy Connector	N/A	N/A	

Astrium GmbH		Connector Reference List	Doc. No. : HP-2-ASED-IC-0001 / 4.1	
Project:	HERSCHEL		DB Issue : 42	Date : 21.09.2004
			Sheet :CRL-51 (of 51)	

Item Identifier	Connector Designation	Connector Function	Connector Type	Supplier	Back Shell	New
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EMC-Category: 9-/not known / not yet defined

EXRO UNIT	431100 Jxx9	Dummy Connector	>> Dummy Connector	N/A	N/A	
EXRO UNIT	431100 Pxx9	Dummy Connector	>> Dummy Connector	N/A	N/A	

END OF DOCUMENT

	Name	Dep./Comp.		Name	Dep./Comp.
	Alberti von Mathias Dr.	AOE22	X	Stritter Rene	AED11
	Alo Hakan	OTN/TP 45		Tenhaeff Dieter	AOE22
X	Barlage Bernhard	AED11		Thörmer Klaus-Horst Dr.	OTN/AED65
X	Bayer Thomas	AET52		Wagner Klaus	AOE23
X	Faas Horst	AEA65	X	Wietbrock, Walter	AET12
	Fehring Alexander	AOE13		Wöhler Hans	AOE22
	Frey Albrecht	AED422			
X	Gerner Willi	AED11			
X	Grasl Andreas	OTN/AET52			
	Grasshoff Brigitte	AET12	X	Alcatel	ASP
	Hauser Armin	AOE23	X	ESA/ESTEC	ESA
	Hinger Jürgen	AOE23			
X	Hohn Rüdiger	AET52		Instruments:	
	Huber Johann	AOA4		MPE (PACS)	MPE
X	Hund Walter	ASE4A		RAL (SPIRE)	RAL
X	Idler Siegmund	AED432		SRON (HIFI)	SRON
X	Ivány von András	FAE22			
	Jahn Gerd Dr.	AOE23		Subcontractors:	
	Kalde Clemens	APE3		Air Liquide, Space Department	AIR
X	Kameter Rudolf	OTN/AET52		Air Liquide, Space Department	AIRS
	Kettner Bernhard	AOE22		Air Liquide, Orbital System	AIRT
X	Knoblauch August	AET32		Alcatel Bell Space	ABSP
X	Koelle Markus	AET22		Astrium Sub-Subsyst. & Equipment	ASSE
X	Kroeker Jürgen	AED65		Austrian Aerospace	AAE
	Kunz Oliver Dr.	AOE23		Austrian Aerospace	AAEM
	Lamprecht Ernst	OTN/ASI21		APCO Technologies S. A.	APCO
X	Lang Jürgen	ASE4A		Bieri Engineering B. V.	BIER
	Langfermann Michael	AET52		BOC Edwards	BOCE
	Mack Paul	OTN/AET52		Dutch Space Solar Arrays	DSSA
	Muhl Eckhard	OTN/AET52	X	EADS CASA Espacio	CASA
X	Pastorino Michel	ASPI Resid.		EADS CASA Espacio	ECAS
	Peitzker Helmut	AED65		EADS Space Transportation	ASIP
	Peltz Heinz-Willi	AET42		Eurocopter	ECD
	Pietroboni Karin	AED65		HTS AG Zürich	HTSZ
	Platzer Wilhelm	AED22		Linde	LIND
	Puttlitz Joachim	OTN/AET52		Patria New Technologies Oy	PANT
	Rebholz Reinhold	AET52		Phoenix, Volkmarsen	PHOE
	Reuß Friedhelm	AED62		Prototech AS	PROT
X	Rühe Wolfgang	AED65		QMC Instruments Ltd.	QMC
	Runge Axel	OTN/AET52		Rembe, Brilon	REMB
	Sachsse Bernt	AED21		Rosemount Aerospace GmbH	ROSE
X	Schink Dietmar	AED422		RYMSA, Radiación y Microondas S.A.	RYM
X	Schlosser Christian	OTN/AET52		SENER Ingenieria SA	SEN
	Schmidt Rudolf	FAE22		Stöhr, Königsbrunn	STOE
	Schweickert Gunn	AOE22		Terma A/S, Birkerød	TER
	Stauss Oliver	AOE13			
X	Steininger Eric	AED422			

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