HERSCHEL

Harness Bundle Routing
CVV-Profiles
SVM-Struts

Cryostat Inside | **Optical Bench (10K)** | **OB - Cutout** | **Upper Spatial Framework** | **Upper Chain** | **CVV - CB 211121** | **Cylinder** | **SVM I/F - CB 310000** | **SVM** | **Cryostat Outside**

P14 and P24
no ESD/Diode-Connectors

131100 FPFPU

RED BOLOMETER Distribution Board 1

MWDM - 31 P	J10	P10	1,6	
MWDM - 15 P	J11	P11	2,61	
MWDM - 25 P	J12	P12	5,3	
MWDM - 25 P	J13	P13	5,3	
MWDM - 15 P	J14	P14	1,6	
MWDM - 25 P	J15	P15	5,3	
MWDM - 25 P	J16	P16	4,92	
MWDM - 15 P	J17	P17	1,6	
MWDM - 31 P	J18	P18	2,61	

BLUE BOLOMETER Distribution Board 2

MWDM - 31 P	J20	P20	2,61	
MWDM - 15 P	J21	P21	1,6	
MWDM - 25 P	J22	P22	5,3	
MWDM - 25 P	J23	P23	5,3	
MWDM - 15 P	J24	P24	1,6	
MWDM - 25 P	J25	P25	4,83	
MWDM - 25 P	J26	P26	5,3	
MWDM - 15 P	J27	P27	1,6	
MWDM - 31 P	J28	P28	2,61	

Blue Bolometer Assembly

MWDM - 37 S	J50	P50	2,83	
MWDM - 37 S	J51	P51	2,83	
MWDM - 37 P	J52	P52	2,76	
MWDM - 37 S	J53	P53	2,83	
MWDM - 37 S	J54	P54	2,83	
MWDM - 37 P	J55	P55	2,76	
MWDM - 37 S	J56	P56	2,83	
MWDM - 37 S	J57	P57	2,83	
MWDM - 37 P	J58	P58	2,76	
MWDM - 37 S	J59	P59	2,83	
MWDM - 37 S	J60	P60	2,83	
MWDM - 37 P	J61	P61	2,76	

MWDM-37P

Red Bolometer Assembly

MWDM - 37 S	J62	P62	2,83	
MWDM - 37 P	J63	P63	2,76	
MWDM - 37 S	J64	P64	2,83	
MWDM - 37 P	J65	P65	2,76	

FPU temps NR

MWDM - 37 P	J66	P66	2,91	
MWDM - 37 P	J68	P68	3,45	

Cooler NR

MWDM - 37 P	J67	P67	2,91	
MWDM-37P	J69	P69	3,45	

Cryo-Mechanics

MWDM-31P	Tilt Wi 1N	J01	P01	3,18
MWDM-31P	Tilt Wi 2N	J03	P03	3,18
MWDM-31P	Chopp.	J07	P07	3,43
MWDM-09P	Th.-Sen. T3 & T4	J09	P09	1,47
MWDM-31P	Tilt Wi 1P	J02	P02	3,18
MWDM-31P	Tilt Wi 2P	J04	P04	3,18
MWDM-15P	Calib. S-1N2N	J06	P06	2,73
MWDM-21P	Grating	J42	P42	2,8
MWDM-21P		J43	P43	3,38
MWDM-21P		J40	P40	2,8
MWDM-21P		J41	P41	3,38
MWDM-15P	Calib. S-1R2R	J05	P05	2,73
MWDM-09P	Th.-Sen. T1 & T2	J08	P08	1,47

OB - Cutout: 2 | 2 | 1 | 2 | 3 | 2 | 1 | 1

SIH-CP-01 … SIH-CP-13 | SIH-CP-14/1 | SIH-CP-14/2 | SIH-CP-15/1 | SIH-CP-15/2

Upper Spatial Framework: 8,75 mm | 8,38 mm | 8,81 mm | 8,38 mm | 4,68 mm | 4,68 mm | 4,68 mm | 4,68 mm | 3,72 mm | 3,72 mm | 4,51 mm | 4,51 mm | 6,38 mm | 7,06 mm | 7,09 mm

Upper Chain: 2 | 2 | 1 | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | 1 | 1

211121 UPPER RING

				Cylinder		
J09	24-35 P	P09	24-35 S	8,75 mm	SIH-IP-01	2526 / 24
J08	22-35 P	P08	22-35 S	8,38 mm	SIH-IP-02	2526 / 24
J02	24-35 P	P02	24-35 S	8,81 mm	SIH-IP-03	2122 / 22
J01	22-35 P	P01	22-35 S	8,38 mm	SIH-IP-04	2122 / 22
J05	24-35 P	P05	24-35 S	4,68 mm	SIH- IP-05	2400 / 24
J06	24-35 P	P06	24-35 S	4,68 mm	SIH- IP-06	2400 / 24
J10	24-35 P	P10	24-35 S	4,68 mm	SIH- IP-07	2526 / 24
J11	24-35 P	P11	24-35 S	4,68 mm	SIH- IP-08	2728 / 24
J12	22-35 P	P12	22-35 S	3,72 mm	SIH-IP-09	2728 / 24
J13	22-35 P	P13	22-35 S	3,72 mm	SIH-IP-10	2728 / 24
J14	22-35 P	P14	22-35 S	4,51 mm	SIH-IP-11	2728 / 24
J15	22-35 P	P15	22-35 S	4,51 mm	SIH-IP-12	24
J07	24-35 P	P07	24-35 S	6,38 mm	SIH-IP-13	2400 / 24
J03	24-35 P	P03	24-35 S	7,06 mm	SIH-IP-14	2122 / 22
J04	22-35 P	P04	22-35 S	7,09 mm	SIH-IP-15	2400 / 24

SVM I/F - CB 310000

CB 313100 ESD

J08	24-35 P	P8-1	J8-3	P8-3 ESD Cap	P08 24-35 S	SIH-SP-01 (13,54 mm)
			J8-2			
J07	22-35 P	P7-1	J7-3	P7-3 ESD Cap	P07 22-35 S	SIH-SP-02 (12,72 mm)
			J7-2			
J02	24-35 P	P2-1	J2-3	P2-3 ESD Cap	P02 24-35 S	SIH-SP-03 (13,77 mm)
			J2-2			
J01	22-35 P	P1-1	J1-3	P1-3 ESD Cap	P01 22-35 S	SIH-SP-04 (12,55 mm)
			J1-2			

CB 313200

J04	24-35 P	P04	24-35 S			SIH-SP-05 (17,85 mm)
J06	24-35 P	P06	24-35 S			SIH-SP-06 (17,85 mm)
J08	24-35 P	P08	24-35 S			SIH-SP-07 (17,85 mm)
J02	24-35 P	P02	24-35 S			SIH-SP-08 (17,85 mm)
J01	22-35 P	P01	22-35 S			SIH-SP-09 (13,5 mm)
J03	22-35 P	P03	22-35 S			SIH-SP-10 (13,5 mm)
J05	22-35 P	P05	22-35 S	12,79mm		SIH-SP-11 / SIH-SP-12 (12,79 mm)
J07	22-35 P	P07	22-35 S	12,79mm		

CB 313100

J06	24-35 P	P06	24-35 S			SIH-SP-13
J04	24-35 P	P04	24-35 S			SIH-SP-14
J05	22-35 P	P05	22-35 S			SIH-SP-15 (11,22 mm)

132100FPDEC

SIH-SP-01 (Ø mm)		SIH-SP-02 (Ø mm)		SIH-SP-03 (Ø mm)		SIH-SP-04 (Ø mm)	
3,78 P151	DCMA-37 P	6,17 P158	DCMA-37 P	6,28 P51	DCMA-37 P	6,17 P58	DCMA-37 P
6,28 P153	DAMA-15 P	6,98P166	DAMA-15 P	3,78 P53	DAMA-15 P	6,98 P68	DBMA-25 P
6,98 P155	DBMA-25 P	3,78P164	DBMA-25 P	6,98 P55	DBMA-25 P	3,78 P64	DAMA-15 P
6,7 P157	DBMA-25 P	6,28P162	DAMA-15 P	6,7 P57	DBMA-25 P	6,28 P62	DCMA-37 P
3,82P178	DAMA-15 P		DCMA-37 P	4,66 P78	DAMA-15 P		

132300 FPBOLC

SIH-SP-05 (Ø mm)		SIH-SP-06 (Ø mm)		SIH-SP-07 (Ø mm)		SIH-SP-08 (Ø mm)	
11,05 P01	DCMA-37 S	11,05 P04	DCMA-37 S	11,05 P07	DCMA-37 S	7,76 P12	DCMA-37 P
10,41 P02	DCMA-37 S	10,41 P05	DCMA-37 P	10,41 P08	DCMA-37 S	11,05 P10	DCMA-37 S
7,76 P03	DCMA-37 P	7,76 P06	DCMA-37 P	7,76 P09	DCMA-37 P	10,41 P11	DCMA-37 S

J21 J22 J23 J24 J25 J26

132100 FPMEC

SIH-SP-13 (Ø mm)		SIH-SP-14 (Ø mm)		SIH-SP-15 (11,22 mm)	
6,7 P13	DCMA-37 P	6,7 P113	DCMA-37 P	6,1 P11	DBMA-25 P
6,7 P14	DCMA-37 P	6,7 P114	DCMA-37 P	5,25 P12	DBMA-25 P
3,54 P116	DEMA-9 P	5,8 P115	DAMA-15 P	5,8 P15	DAMA-15 P
7,2 P17	DCMA-37 P			2,0 P16	DEMA-9 P
6,1 P111	DBMA-25 P				
5,25 P112	DBMA-25 P				

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FREIGABE: 30.1.09	FESTIGKEIT:	VERTEILER:	DATUM:
HP-2-ASED-ID-0089-01-0C		CI: 121430	
FREIGABE AUSGABE:		CM: W. Wittbrodt 30.01.09	

AUSG.	AEND. NR.	DATUM	NAME
C		20.01.09	W. Hund
B		18.09.03	W. Hund
A		21.05.03	W. Hund

ZUL. ABW. : | OBERFL. : | MASSTAB: | GEW. : | WERKSTOFF:

	DATUM	NAME
Bearb	21.05.03	W. Hund
gepr.		
NORM		
PS		

Cryo Harness Interconnection Diagram

PACS (PFM)

astrium

2547-121430-020-01-0C | BLATT 1 | 1 BL

URSPR. : | ERS. F. : | ERS. D. :

Drawing Change List
HP-2-ASED-ID-0089-01-0C: PACS SIH Harness Interconnection Diagram

Related Drawing Section	Objective	Grid location	Actual Status Issue C	Previous Status Issue B
	PACS SIH Harness		Implementation of FPU ESD Protection connectors SVM-CB 313100 J01, J02, J07 and J08	Protection connectors not implemented in drawing
	PACS SIH Harness		Implementation of Adapter for PACS Filter Wheel Cross-strapping at SVM - CB 313100J06 and J04	Adapter not implemented in drawing