



**TEST READINESS REVIEW
(TRR) CHECKLIST & MoM**
**STM2 Grounding Violation
Investigation TRR**

PRODUCT ASSURANCE
Space Science and Technology
Department

TRR MoM	Date: Thurs. 9 November 2006	NUMBER	SPIRE-RAL-MOM-002772 – Issue 1
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Spacecraft / Project	Herschel / SPIRE
Instrument / Model	STM2 EPLM + CQM SPIRE
Sub System / Serial No.	N/A

Type of Test	NCR Cause diagnostic test
AIV Facility Test No.	N/A
Location & Date(s) of Testing	ESTEC (9 and 10 Nov. 2006)
Applicable Test Specification (Document No. & Issue)	NA
Applicable Test Procedure (Document No. & Issue)	HP-2-ASED-SD-0139 Issue 1.0
AIV Facility Test Plan (if applicable?)	N/A

Documentation / Inspection Status	
As Built Status?	SPIRE as per CQM EIDP Iss. 3.0 (Note: SPIRE WU de-integrated from EPLM)
List of all items /Parts	
Special Instructions	
Inspection Status and Records:	
Hazards Identified	ESD precautions to be observed Cryo hazard
Cleanliness	100 000
Unit/Item Bagged	N/A
Screws Locked	N/A
Connector Savers	None used on SVM-CB None used on CVVUCR
Other	

Assignment of Personnel		
Function	Name	Contact number
Test Director	Doug Griffin	+44 1235 44 6046
Project Manager		
AIV Facility Manager		
Safety Officer		
Product Assurance	Rolf	

TRR MoM	Date: Thurs. 9 November 2006	NUMBER	SPIRE-RAL-MOM-002772 – Issue 1
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CONTINUATION SHEET

As Built Status (Will the following have an Impact on the test performance / results?)	
Review of all "NCR's"	HR-SP-RAL-NCR-00163 No other open NCRs which impact on the test.
Review of all "Waiver's"	None
"Open Work"	None
Other	None
MIP's or KIP's	None

<p>ACTIONS / COMMENTS / OBSERVATIONS:</p> <p>Comments</p> <p>The ACS was prepared after a violation of the SPIRE grounding scheme was detected during the de-integration of the SPIRE warm units from the SVM simulator after the STM2 Stray-light and EMC tests.</p> <p>This test is intended to gain information on the details of the problem</p> <hr/> <p>The testing will commence on Thursday 9-Nov (work to stop at 18:30)</p> <p>Continuation on Friday 10-Nov. @ 08:00</p> <p>Annex 1 and 2: SPIRE-PFM SIH GND Verification</p> <p>Annex 3: Discussion Note on HP-SP-RAL-NCR-0163</p> <hr/> <p>Test Readiness</p> <p>We are ready to go.</p>

Decision for test continuation:	YES / NO / REVIEW	Review Date:	09/11/2006
Company	Name		
RAL	Douglas Griffin		
ASED	Juergen Lang Rolf Langenstein Andreas Grasl		
ESA	Carsten Scharmberg		

Annex 1

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	026	SPIRE PMW Ch01 to 04	1+	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	026		
211121	P022	037	SPIRE PMW Ch01 to 04	1-	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	037		
211121	P022	036	SPIRE PMW Ch01 to 04	SHD01	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	038	SPIRE PMW Ch01 to 04	2+	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	038		
211121	P022	049	SPIRE PMW Ch01 to 04	2-	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	049		
211121	P022	036	SPIRE PMW Ch01 to 04	SHD02	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	048	SPIRE PMW Ch01 to 04	3+	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	048		
211121	P022	060	SPIRE PMW Ch01 to 04	3-	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	060		
211121	P022	036	SPIRE PMW Ch01 to 04	SHD03	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	059	SPIRE PMW Ch01 to 04	4+	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	059		
211121	P022	071	SPIRE PMW Ch01 to 04	4-	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	071		
211121	P022	036	SPIRE PMW Ch01 to 04	SHD04	SPBI	021SS-38	S067	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	050	SPIRE PMW Ch05 to 08	5+	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	050		
211121	P022	061	SPIRE PMW Ch05 to 08	5-	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	061		
211121	P022	036	SPIRE PMW Ch05 to 08	SHD05	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	062	SPIRE PMW Ch05 to 08	6+	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	062		
211121	P022	051	SPIRE PMW Ch05 to 08	6-	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	051		
211121	P022	036	SPIRE PMW Ch05 to 08	SHD06	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	063	SPIRE PMW Ch05 to 08	7+	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	063		
211121	P022	075	SPIRE PMW Ch05 to 08	7-	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	075		
211121	P022	036	SPIRE PMW Ch05 to 08	SHD07	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	074	SPIRE PMW Ch05 to 08	8+	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	074		
211121	P022	073	SPIRE PMW Ch05 to 08	8-	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	073		
211121	P022	036	SPIRE PMW Ch05 to 08	SHD08	SPBI	021SS-38	S068	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	083	SPIRE PMW Ch09 to 12	9+	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	083		
211121	P022	072	SPIRE PMW Ch09 to 12	9-	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	072		
211121	P022	036	SPIRE PMW Ch09 to 12	SHD09	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	095	SPIRE PMW Ch09 to 12	10+	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	095		
211121	P022	084	SPIRE PMW Ch09 to 12	10-	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	084		
211121	P022	036	SPIRE PMW Ch09 to 12	SHD10	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	096	SPIRE PMW Ch09 to 12	11+	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	096		
211121	P022	085	SPIRE PMW Ch09 to 12	11-	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	085		
211121	P022	036	SPIRE PMW Ch09 to 12	SHD11	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	106	SPIRE PMW Ch09 to 12	12+	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	106		
211121	P022	107	SPIRE PMW Ch09 to 12	12-	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	107		
211121	P022	036	SPIRE PMW Ch09 to 12	SHD12	SPBI	021SS-38	S069	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	086	SPIRE PMW Ch 13 to 16	13+	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	086		
211121	P022	087	SPIRE PMW Ch 13 to 16	13-	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	087		
211121	P022	036	SPIRE PMW Ch 13 to 16	SHD13	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	097	SPIRE PMW Ch 13 to 16	14+	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	097		
211121	P022	098	SPIRE PMW Ch 13 to 16	14-	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	098		
211121	P022	036	SPIRE PMW Ch 13 to 16	SHD14	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCODE2	CableT	LCODE5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	108	SPIRE PMW Ch 13 to 16	15+	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	108		
211121	P022	109	SPIRE PMW Ch 13 to 16	15-	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	109		
211121	P022	036	SPIRE PMW Ch 13 to 16	SHD15	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	116	SPIRE PMW Ch 13 to 16	16+	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	116		
211121	P022	117	SPIRE PMW Ch 13 to 16	16-	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	117		
211121	P022	036	SPIRE PMW Ch 13 to 16	SHD16	SPBI	021SS-38	S072	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	036	SPIRE PMW B04 GND WIRE A1	-	SPX-	010B0-30	S441	HSSVMCB1	312100	J003	036		
211121	P022	-		-			-						
211121	P022	055	SPIRE PMW Ch17 to 19	17+	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	055		
211121	P022	066	SPIRE PMW Ch17 to 19	17-	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	066		
211121	P022	128	SPIRE PMW Ch17 to 19	SHD17	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	067	SPIRE PMW Ch17 to 19	18+	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	067		
211121	P022	078	SPIRE PMW Ch17 to 19	18-	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	078		
211121	P022	128	SPIRE PMW Ch17 to 19	SHD18	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	076	SPIRE PMW Ch17 to 19	19+	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	076		
211121	P022	077	SPIRE PMW Ch17 to 19	19-	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	077		
211121	P022	128	SPIRE PMW Ch17 to 19	SHD19	SPBI	021SS-38	S073	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	088	SPIRE PMW Ch 20	20+	SPB-	12AXD-38	S73A	HSSVMCB1	312100	J003	088		
211121	P022	089	SPIRE PMW Ch 20	20-	SPB-	12AXD-38	S73A	HSSVMCB1	312100	J003	089		
211121	P022	128	SPIRE PMW Ch 20	SHD20	SPB-	12AXD-38	S73A	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	099	SPIRE PMW Ch21 to 24	21+	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	099		
211121	P022	100	SPIRE PMW Ch21 to 24	21-	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	128	SPIRE PMW Ch21 to 24	SHD21	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	110	SPIRE PMW Ch21 to 24	22+	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	110		
211121	P022	111	SPIRE PMW Ch21 to 24	22-	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	111		
211121	P022	128	SPIRE PMW Ch21 to 24	SHD22	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	118	SPIRE PMW Ch21 to 24	23+	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	118		
211121	P022	119	SPIRE PMW Ch21 to 24	23-	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	119		
211121	P022	128	SPIRE PMW Ch21 to 24	SHD23	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	112	SPIRE PMW Ch21 to 24	24+	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	112		
211121	P022	120	SPIRE PMW Ch21 to 24	24-	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	120		
211121	P022	128	SPIRE PMW Ch21 to 24	SHD24	SPBI	021SS-38	S074	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	090	SPIRE PMW Ch25 to 28	25+	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	090		
211121	P022	079	SPIRE PMW Ch25 to 28	25-	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	079		
211121	P022	128	SPIRE PMW Ch25 to 28	SHD25	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	102	SPIRE PMW Ch25 to 28	26+	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	102		
211121	P022	101	SPIRE PMW Ch25 to 28	26-	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	101		
211121	P022	128	SPIRE PMW Ch25 to 28	SHD26	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	092	SPIRE PMW Ch25 to 28	27+	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	092		
211121	P022	091	SPIRE PMW Ch25 to 28	27-	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	091		
211121	P022	128	SPIRE PMW Ch25 to 28	SHD27	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	103	SPIRE PMW Ch25 to 28	28+	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	103		
211121	P022	113	SPIRE PMW Ch25 to 28	28-	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	128	SPIRE PMW Ch25 to 28	SHD28	SPBI	021SS-38	S076	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	058	SPIRE PMW Ch29 to 32	29+	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	058		
211121	P022	046	SPIRE PMW Ch29 to 32	29-	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	046		
211121	P022	128	SPIRE PMW Ch29 to 32	SHD29	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	068	SPIRE PMW Ch29 to 32	30+	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	068		
211121	P022	057	SPIRE PMW Ch29 to 32	30-	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	057		
211121	P022	128	SPIRE PMW Ch29 to 32	SHD30	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	069	SPIRE PMW Ch29 to 32	31+	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	069		
211121	P022	080	SPIRE PMW Ch29 to 32	31-	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	080		
211121	P022	128	SPIRE PMW Ch29 to 32	SHD31	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	070	SPIRE PMW Ch29 to 32	32+	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	070		
211121	P022	081	SPIRE PMW Ch29 to 32	32-	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	081		
211121	P022	128	SPIRE PMW Ch29 to 32	SHD32	SPBI	021SS-38	S077	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	128	SPIRE PMW B04 GND Wire A2	-	SPX-	010B0-30	S442	HSSVMCB1	312100	J003	128		
211121	P022	-		-			-						
211121	P022	023	SPIRE PMW Ch33 to 35	33+	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	023		
211121	P022	034	SPIRE PMW Ch33 to 35	33-	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	034		
211121	P022	004	SPIRE PMW Ch33 to 35	SHD33	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	033	SPIRE PMW Ch33 to 35	34+	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	033		
211121	P022	045	SPIRE PMW Ch33 to 35	34-	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	045		
211121	P022	004	SPIRE PMW Ch33 to 35	SHD34	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	044	SPIRE PMW Ch33 to 35	35+	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	044		
211121	P022	056	SPIRE PMW Ch33 to 35	35-	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	056		
211121	P022	004	SPIRE PMW Ch33 to 35	SHD35	SPBI	021SS-38	S078	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	022	SPIRE PMW Ch36	36+	SPB-	12AXD-38	S78A	HSSVMCB1	312100	J003	022		
211121	P022	032	SPIRE PMW Ch36	36-	SPB-	12AXD-38	S78A	HSSVMCB1	312100	J003	032		
211121	P022	004	SPIRE PMW Ch36	SHD36	SPB-	12AXD-38	S78A	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	013	SPIRE PMW Ch37 to 40	37+	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	013		
211121	P022	012	SPIRE PMW Ch37 to 40	37-	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	012		
211121	P022	004	SPIRE PMW Ch37 to 40	SHD37	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	021	SPIRE PMW Ch37 to 40	38+	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	021		
211121	P022	020	SPIRE PMW Ch37 to 40	38-	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	020		
211121	P022	004	SPIRE PMW Ch37 to 40	SHD38	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	031	SPIRE PMW Ch37 to 40	39+	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	031		
211121	P022	043	SPIRE PMW Ch37 to 40	39-	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	043		
211121	P022	004	SPIRE PMW Ch37 to 40	SHD39	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	042	SPIRE PMW Ch37 to 40	40+	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	042		
211121	P022	054	SPIRE PMW Ch37 to 40	40-	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	054		
211121	P022	004	SPIRE PMW Ch37 to 40	SHD40	SPB-	12AXD-38	S083	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	010	SPIRE PMW Ch41 to 44	41+	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	010		
211121	P022	011	SPIRE PMW Ch41 to 44	41-	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	011		
211121	P022	004	SPIRE PMW Ch41 to 44	SHD41	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	019	SPIRE PMW Ch41 to 44	42+	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	019		
211121	P022	029	SPIRE PMW Ch41 to 44	42-	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	029		
211121	P022	004	SPIRE PMW Ch41 to 44	SHD42	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	041	SPIRE PMW Ch41 to 44	43+	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	041		
211121	P022	030	SPIRE PMW Ch41 to 44	43-	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	030		
211121	P022	004	SPIRE PMW Ch41 to 44	SHD43	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	053	SPIRE PMW Ch41 to 44	44+	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	053		
211121	P022	052	SPIRE PMW Ch41 to 44	44-	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	052		
211121	P022	004	SPIRE PMW Ch41 to 44	SHD44	SPBI	021SS-38	S081	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	009	SPIRE PMW Ch45 to 48	45+	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	009		
211121	P022	017	SPIRE PMW Ch45 to 48	45-	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	017		
211121	P022	004	SPIRE PMW Ch45 to 48	SHD45	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	018	SPIRE PMW Ch45 to 48	46+	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	018		
211121	P022	028	SPIRE PMW Ch45 to 48	46-	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	028		
211121	P022	004	SPIRE PMW Ch45 to 48	SHD46	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	016	SPIRE PMW Ch45 to 48	47+	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	016		
211121	P022	027	SPIRE PMW Ch45 to 48	47-	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	027		
211121	P022	004	SPIRE PMW Ch45 to 48	SHD47	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	040	SPIRE PMW Ch45 to 48	48+	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	040		
211121	P022	039	SPIRE PMW Ch45 to 48	48-	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	039		
211121	P022	004	SPIRE PMW Ch45 to 48	SHD48	SPBI	021SS-38	S082	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	004	SPIRE PMW B04 GND Wire A4	-	SPX-	010B0-30	S444	HSSVMCB1	312100	J003	004		
211121	P022	-		-			-						
211121	P022	036		-			-						
211121	P022	004	to be con to pin 036 with 010SS-38	-			-						
211121	P022	047	to be con to pin 036 with 010SS-38	-			-						
211121	P022	128	to be con to pin 036 with 010SS-38	-			-						
211121	P022	-		-			-						
211121	P022	001	to be con as part of FCR	-			-						
211121	P022	002	to be con as part of FCR	-			-						
211121	P022	003	to be con as part of FCR	-			-						
211121	P022	005	to be con as part of FCR	-			-						
211121	P022	006	to be con as part of FCR	-			-						
211121	P022	007	to be con as part of FCR	-			-						
211121	P022	008	to be con as part of FCR	-			-						
211121	P022	014	to be con as part of FCR	-			-						
211121	P022	015	to be con as part of FCR	-			-						
211121	P022	024	to be con as part of FCR	-			-						
211121	P022	025	to be con as part of FCR	-			-						
211121	P022	035	to be con as part of FCR	-			-						
211121	P022	082	to be con as part of FCR	-			-						
211121	P022	093	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P022	094	to be con as part of FCR	-			-						
211121	P022	104	to be con as part of FCR	-			-						
211121	P022	105	to be con as part of FCR	-			-						
211121	P022	114	to be con as part of FCR	-			-						
211121	P022	115	to be con as part of FCR	-			-						
211121	P022	121	to be con as part of FCR	-			-						
211121	P022	122	to be con as part of FCR	-			-						
211121	P022	123	to be con as part of FCR	-			-						
211121	P022	124	to be con as part of FCR	-			-						
211121	P022	125	to be con as part of FCR	-			-						
211121	P022	126	to be con as part of FCR	-			-						
211121	P022	127	to be con as part of FCR	-			-						
211121	P022	-		-			-						
211121	P022	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P022	-		-			-						
211121	P022	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	026	SPIRE PMW Ch01-04	1+	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	026		
211121	P023	037	SPIRE PMW Ch01-04	1-	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	037		
211121	P023	036	SPIRE PMW Ch01-04	SHD01	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	038	SPIRE PMW Ch01-04	2+	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	038		
211121	P023	049	SPIRE PMW Ch01-04	2-	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	049		
211121	P023	036	SPIRE PMW Ch01-04	SHD02	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	048	SPIRE PMW Ch01-04	3+	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	048		
211121	P023	060	SPIRE PMW Ch01-04	3-	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	060		
211121	P023	036	SPIRE PMW Ch01-04	SHD03	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	059	SPIRE PMW Ch01-04	4+	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	059		
211121	P023	071	SPIRE PMW Ch01-04	4-	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	071		
211121	P023	036	SPIRE PMW Ch01-04	SHD04	SPBI	021SS-38	S085	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	050	SPIRE PMW Ch05-08	5+	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	050		
211121	P023	061	SPIRE PMW Ch05-08	5-	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	061		
211121	P023	036	SPIRE PMW Ch05-08	SHD05	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	062	SPIRE PMW Ch05-08	6+	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	062		
211121	P023	051	SPIRE PMW Ch05-08	6-	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	051		
211121	P023	036	SPIRE PMW Ch05-08	SHD06	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	063	SPIRE PMW Ch05-08	7+	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	063		
211121	P023	075	SPIRE PMW Ch05-08	7-	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	075		
211121	P023	036	SPIRE PMW Ch05-08	SHD07	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	074	SPIRE PMW Ch05-08	8+	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	074		
211121	P023	073	SPIRE PMW Ch05-08	8-	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	073		
211121	P023	036	SPIRE PMW Ch05-08	SHD08	SPBI	021SS-38	S086	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	083	SPIRE PMW Ch09-12	9+	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	083		
211121	P023	072	SPIRE PMW Ch09-12	9-	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	072		
211121	P023	036	SPIRE PMW Ch09-12	SHD09	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	095	SPIRE PMW Ch09-12	10+	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	095		
211121	P023	084	SPIRE PMW Ch09-12	10-	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	084		
211121	P023	036	SPIRE PMW Ch09-12	SHD10	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	096	SPIRE PMW Ch09-12	11+	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	096		
211121	P023	085	SPIRE PMW Ch09-12	11-	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	085		
211121	P023	036	SPIRE PMW Ch09-12	SHD11	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	106	SPIRE PMW Ch09-12	12+	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	106		
211121	P023	107	SPIRE PMW Ch09-12	12-	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	107		
211121	P023	036	SPIRE PMW Ch09-12	SHD12	SPBI	021SS-38	S087	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	086	SPIRE PMW Ch13-16	13+	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	086		
211121	P023	087	SPIRE PMW Ch13-16	13-	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	087		
211121	P023	036	SPIRE PMW Ch13-16	SHD13	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	097	SPIRE PMW Ch13-16	14+	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	097		
211121	P023	098	SPIRE PMW Ch13-16	14-	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	098		
211121	P023	036	SPIRE PMW Ch13-16	SHD14	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	108	SPIRE PMW Ch13-16	15+	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	108		
211121	P023	109	SPIRE PMW Ch13-16	15-	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	109		
211121	P023	036	SPIRE PMW Ch13-16	SHD15	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	116	SPIRE PMW Ch13-16	16+	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	116		
211121	P023	117	SPIRE PMW Ch13-16	16-	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	117		
211121	P023	036	SPIRE PMW Ch13-16	SHD16	SPBI	021SS-38	S090	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	036	SPIRE PMW B05 GND WIRE A1	-	SPX-	010B0-30	S451	HSSVMCB1	312100	J002	036		
211121	P023	-		-			-						
211121	P023	055	SPIRE PMW Ch17-20	17+	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	055		
211121	P023	066	SPIRE PMW Ch17-20	17-	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	066		
211121	P023	128	SPIRE PMW Ch17-20	SHD17	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	067	SPIRE PMW Ch17-20	18+	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	067		
211121	P023	078	SPIRE PMW Ch17-20	18-	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	078		
211121	P023	128	SPIRE PMW Ch17-20	SHD18	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	076	SPIRE PMW Ch17-20	19+	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	076		
211121	P023	077	SPIRE PMW Ch17-20	19-	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	077		
211121	P023	128	SPIRE PMW Ch17-20	SHD19	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	088	SPIRE PMW Ch17-20	20+	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	088		
211121	P023	089	SPIRE PMW Ch17-20	20-	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	089		
211121	P023	128	SPIRE PMW Ch17-20	SHD20	SPBI	021SS-38	S091	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	099	SPIRE PMW Ch21-24	21+	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	099		
211121	P023	100	SPIRE PMW Ch21-24	21-	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	128	SPIRE PMW Ch21-24	SHD21	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	110	SPIRE PMW Ch21-24	22+	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	110		
211121	P023	111	SPIRE PMW Ch21-24	22-	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	111		
211121	P023	128	SPIRE PMW Ch21-24	SHD22	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	118	SPIRE PMW Ch21-24	23+	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	118		
211121	P023	119	SPIRE PMW Ch21-24	23-	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	119		
211121	P023	128	SPIRE PMW Ch21-24	23gnd	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	112	SPIRE PMW Ch21-24	24+	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	112		
211121	P023	120	SPIRE PMW Ch21-24	24-	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	120		
211121	P023	128	SPIRE PMW Ch21-24	SHD24	SPBI	021SS-38	S092	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	090	SPIRE PMW Ch25-28	25+	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	090		
211121	P023	079	SPIRE PMW Ch25-28	25-	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	079		
211121	P023	128	SPIRE PMW Ch25-28	SHD25	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	102	SPIRE PMW Ch25-28	26+	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	102		
211121	P023	101	SPIRE PMW Ch25-28	26-	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	101		
211121	P023	128	SPIRE PMW Ch25-28	SHD26	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	092	SPIRE PMW Ch25-28	27+	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	092		
211121	P023	091	SPIRE PMW Ch25-28	27-	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	091		
211121	P023	128	SPIRE PMW Ch25-28	SHD27	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	103	SPIRE PMW Ch25-28	28+	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	103		
211121	P023	113	SPIRE PMW Ch25-28	28-	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	128	SPIRE PMW Ch25-28	SHD28	SPBI	021SS-38	S094	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	058	SPIRE PMW Ch29-32	29+	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	058		
211121	P023	046	SPIRE PMW Ch29-32	29-	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	046		
211121	P023	128	SPIRE PMW Ch29-32	SHD29	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	068	SPIRE PMW Ch29-32	30+	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	068		
211121	P023	057	SPIRE PMW Ch29-32	30-	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	057		
211121	P023	128	SPIRE PMW Ch29-32	SHD30	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	069	SPIRE PMW Ch29-32	31+	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	069		
211121	P023	080	SPIRE PMW Ch29-32	31-	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	080		
211121	P023	128	SPIRE PMW Ch29-32	SHD31	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	070	SPIRE PMW Ch29-32	32+	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	070		
211121	P023	081	SPIRE PMW Ch29-32	32-	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	081		
211121	P023	128	SPIRE PMW Ch29-32	SHD32	SPBI	021SS-38	S095	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	128	SPIRE PMW B05 GND WIRE A2	-	SPX-	010B0-30	S452	HSSVMCB1	312100	J002	128		
211121	P023	-		-			-						
211121	P023	023	SPIRE PMW Ch33-36	33+	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	023		
211121	P023	034	SPIRE PMW Ch33-36	33-	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	034		
211121	P023	004	SPIRE PMW Ch33-36	SHD33	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	033	SPIRE PMW Ch33-36	34+	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	033		
211121	P023	045	SPIRE PMW Ch33-36	34-	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	045		
211121	P023	004	SPIRE PMW Ch33-36	SHD34	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	044	SPIRE PMW Ch33-36	35+	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	044		
211121	P023	056	SPIRE PMW Ch33-36	35-	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	056		
211121	P023	004	SPIRE PMW Ch33-36	SHD35	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	022	SPIRE PMW Ch33-36	36+	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	022		
211121	P023	032	SPIRE PMW Ch33-36	36-	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	032		
211121	P023	004	SPIRE PMW Ch33-36	SHD36	SPBI	021SS-38	S096	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	013	SPIRE PMW Ch37-40	37+	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	013		
211121	P023	012	SPIRE PMW Ch37-40	37-	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	012		
211121	P023	004	SPIRE PMW Ch37-40	37gnd	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	021	SPIRE PMW Ch37-40	38+	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	021		
211121	P023	020	SPIRE PMW Ch37-40	38-	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	020		
211121	P023	004	SPIRE PMW Ch37-40	SHD38	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	031	SPIRE PMW Ch37-40	39+	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	031		
211121	P023	043	SPIRE PMW Ch37-40	39-	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	043		
211121	P023	004	SPIRE PMW Ch37-40	SHD39	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	042	SPIRE PMW Ch37-40	40+	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	042		
211121	P023	054	SPIRE PMW Ch37-40	40-	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	054		
211121	P023	004	SPIRE PMW Ch37-40	SHD40	SPBI	021SS-38	S099	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	010	SPIRE PMW Ch41-44	41+	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	010		
211121	P023	011	SPIRE PMW Ch41-44	41-	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	011		
211121	P023	004	SPIRE PMW Ch41-44	SHD41	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	019	SPIRE PMW Ch41-44	42+	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	019		
211121	P023	029	SPIRE PMW Ch41-44	42-	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	029		
211121	P023	004	SPIRE PMW Ch41-44	SHD42	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	041	SPIRE PMW Ch41-44	43+	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	041		
211121	P023	030	SPIRE PMW Ch41-44	43-	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	030		
211121	P023	004	SPIRE PMW Ch41-44	SHD43	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	053	SPIRE PMW Ch41-44	44+	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	053		
211121	P023	052	SPIRE PMW Ch41-44	44-	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	052		
211121	P023	004	SPIRE PMW Ch41-44	SHD44	SPBI	021SS-38	S100	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	009	SPIRE PMW Ch45-48	45+	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	009		
211121	P023	017	SPIRE PMW Ch45-48	45-	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	017		
211121	P023	004	SPIRE PMW Ch45-48	SHD45	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	018	SPIRE PMW Ch45-48	46+	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	018		
211121	P023	028	SPIRE PMW Ch45-48	46-	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	028		
211121	P023	004	SPIRE PMW Ch45-48	SHD46	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	016	SPIRE PMW Ch45-48	47+	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	016		
211121	P023	027	SPIRE PMW Ch45-48	47-	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	027		
211121	P023	004	SPIRE PMW Ch45-48	SHD47	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	040	SPIRE PMW Ch45-48	48+	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	040		
211121	P023	039	SPIRE PMW Ch45-48	48-	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	039		
211121	P023	004	SPIRE PMW Ch45-48	SHD48	SPBI	021SS-38	S101	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	004	SPIRE PMW B05 GND WIRE A4	-	SPX-	010B0-30	S454	HSSVMCB1	312100	J002	004		
211121	P023	-		-			-						
211121	P023	047	SPIRE PMW B05 GND WIRE A3	-	SPX-	010B0-30	S453	HSSVMCB1	312100	J002	047		
211121	P023	-		-			-						
211121	P023	036		-			-						
211121	P023	004	to be con to pin 036 with 010SS-38	-			-						
211121	P023	047	to be con to pin 036 with 010SS-38	-			-						
211121	P023	128	to be con to pin 036 with 010SS-38	-			-						
211121	P023	-		-			-						
211121	P023	001	to be con as part of FCR	-			-						
211121	P023	002	to be con as part of FCR	-			-						
211121	P023	003	to be con as part of FCR	-			-						
211121	P023	005	to be con as part of FCR	-			-						
211121	P023	006	to be con as part of FCR	-			-						
211121	P023	007	to be con as part of FCR	-			-						
211121	P023	008	to be con as part of FCR	-			-						
211121	P023	014	to be con as part of FCR	-			-						
211121	P023	015	to be con as part of FCR	-			-						
211121	P023	024	to be con as part of FCR	-			-						
211121	P023	025	to be con as part of FCR	-			-						
211121	P023	035	to be con as part of FCR	-			-						
211121	P023	082	to be con as part of FCR	-			-						
211121	P023	093	to be con as part of FCR	-			-						
211121	P023	094	to be con as part of FCR	-			-						
211121	P023	104	to be con as part of FCR	-			-						
211121	P023	105	to be con as part of FCR	-			-						
211121	P023	114	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P023	115	to be con as part of FCR	-			-						
211121	P023	121	to be con as part of FCR	-			-						
211121	P023	122	to be con as part of FCR	-			-						
211121	P023	123	to be con as part of FCR	-			-						
211121	P023	124	to be con as part of FCR	-			-						
211121	P023	125	to be con as part of FCR	-			-						
211121	P023	126	to be con as part of FCR	-			-						
211121	P023	127	to be con as part of FCR	-			-						
211121	P023	-		-			-						
211121	P023	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P023	-		-			-						
211121	P023	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	026	SPIRE PLW Ch01-04	1+	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	026		
211121	P024	037	SPIRE PLW Ch01-04	1-	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	037		
211121	P024	036	SPIRE PLW Ch01-04	SHD01	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	038	SPIRE PLW Ch01-04	2+	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	038		
211121	P024	049	SPIRE PLW Ch01-04	2-	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	049		
211121	P024	036	SPIRE PLW Ch01-04	SHD02	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	048	SPIRE PLW Ch01-04	3+	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	048		
211121	P024	060	SPIRE PLW Ch01-04	3-	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	060		
211121	P024	036	SPIRE PLW Ch01-04	SHD03	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	059	SPIRE PLW Ch01-04	4+	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	059		
211121	P024	071	SPIRE PLW Ch01-04	4-	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	071		
211121	P024	036	SPIRE PLW Ch01-04	SHD04	SPAI	021SS-38	S104	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	050	SPIRE PLW Ch05-08	5+	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	050		
211121	P024	061	SPIRE PLW Ch05-08	5-	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	061		
211121	P024	036	SPIRE PLW Ch05-08	SHD05	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	062	SPIRE PLW Ch05-08	6+	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	062		
211121	P024	051	SPIRE PLW Ch05-08	6-	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	051		
211121	P024	036	SPIRE PLW Ch05-08	SHD06	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	063	SPIRE PLW Ch05-08	7+	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	063		
211121	P024	075	SPIRE PLW Ch05-08	7-	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	075		
211121	P024	036	SPIRE PLW Ch05-08	SHD07	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	074	SPIRE PLW Ch05-08	8+	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	074		
211121	P024	073	SPIRE PLW Ch05-08	8-	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	073		
211121	P024	036	SPIRE PLW Ch05-08	SHD08	SPAI	021SS-38	S105	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	083	SPIRE PLW Ch09-12	9+	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	083		
211121	P024	072	SPIRE PLW Ch09-12	9-	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	072		
211121	P024	036	SPIRE PLW Ch09-12	SHD09	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	095	SPIRE PLW Ch09-12	10+	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	095		
211121	P024	084	SPIRE PLW Ch09-12	10-	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	084		
211121	P024	036	SPIRE PLW Ch09-12	SHD10	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	096	SPIRE PLW Ch09-12	11+	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	096		
211121	P024	085	SPIRE PLW Ch09-12	11-	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	085		
211121	P024	036	SPIRE PLW Ch09-12	SHD11	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	106	SPIRE PLW Ch09-12	12+	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	106		
211121	P024	107	SPIRE PLW Ch09-12	12-	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	107		
211121	P024	036	SPIRE PLW Ch09-12	SHD12	SPAI	021SS-38	S106	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	086	SPIRE PLW Ch13-16	13+	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	086		
211121	P024	087	SPIRE PLW Ch13-16	13-	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	087		
211121	P024	036	SPIRE PLW Ch13-16	SHD13	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	097	SPIRE PLW Ch13-16	14+	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	097		
211121	P024	098	SPIRE PLW Ch13-16	14-	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	098		
211121	P024	036	SPIRE PLW Ch13-16	SHD14	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	108	SPIRE PLW Ch13-16	15+	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	108		
211121	P024	109	SPIRE PLW Ch13-16	15-	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	109		
211121	P024	036	SPIRE PLW Ch13-16	SHD15	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	116	SPIRE PLW Ch13-16	16+	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	116		
211121	P024	117	SPIRE PLW Ch13-16	16-	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	117		
211121	P024	036	SPIRE PLW Ch13-16	SHD16	SPAI	021SS-38	S109	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	036	SPIRE PLW B06 GND WIRE A1	-	SPX-	010B0-30	S461	HSSVMCB2	312200	J003	036		
211121	P024	-		-			-						
211121	P024	055	SPIRE PLW Ch17-20	17+	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	055		
211121	P024	066	SPIRE PLW Ch17-20	17-	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	066		
211121	P024	128	SPIRE PLW Ch17-20	SHD17	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	067	SPIRE PLW Ch17-20	18+	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	067		
211121	P024	078	SPIRE PLW Ch17-20	18-	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	078		
211121	P024	128	SPIRE PLW Ch17-20	SHD18	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	076	SPIRE PLW Ch17-20	19+	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	076		
211121	P024	077	SPIRE PLW Ch17-20	19-	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	077		
211121	P024	128	SPIRE PLW Ch17-20	SHD19	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	088	SPIRE PLW Ch17-20	20+	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	088		
211121	P024	089	SPIRE PLW Ch17-20	20-	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	089		
211121	P024	128	SPIRE PLW Ch17-20	SHD20	SPAI	021SS-38	S110	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	099	SPIRE PLW Ch21-24	21+	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	099		
211121	P024	100	SPIRE PLW Ch21-24	21-	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	128	SPIRE PLW Ch21-24	SHD21	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	110	SPIRE PLW Ch21-24	22+	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	110		
211121	P024	111	SPIRE PLW Ch21-24	22-	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	111		
211121	P024	128	SPIRE PLW Ch21-24	SHD22	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	118	SPIRE PLW Ch21-24	23+	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	118		
211121	P024	119	SPIRE PLW Ch21-24	23-	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	119		
211121	P024	128	SPIRE PLW Ch21-24	SHD23	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	112	SPIRE PLW Ch21-24	24+	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	112		
211121	P024	120	SPIRE PLW Ch21-24	24-	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	120		
211121	P024	128	SPIRE PLW Ch21-24	SHD24	SPAI	021SS-38	S111	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	090	SPIRE PLW Ch25-28	25+	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	090		
211121	P024	079	SPIRE PLW Ch25-28	25-	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	079		
211121	P024	128	SPIRE PLW Ch25-28	25gnd	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	102	SPIRE PLW Ch25-28	26+	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	102		
211121	P024	101	SPIRE PLW Ch25-28	26-	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	101		
211121	P024	128	SPIRE PLW Ch25-28	SHD26	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	092	SPIRE PLW Ch25-28	27+	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	092		
211121	P024	091	SPIRE PLW Ch25-28	27-	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	091		
211121	P024	128	SPIRE PLW Ch25-28	SHD27	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	103	SPIRE PLW Ch25-28	28+	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	103		
211121	P024	113	SPIRE PLW Ch25-28	28-	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	128	SPIRE PLW Ch25-28	SHD28	SPAI	021SS-38	S113	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	058	SPIRE PLW Ch29-32	29+	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	058		
211121	P024	046	SPIRE PLW Ch29-32	29-	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	046		
211121	P024	128	SPIRE PLW Ch29-32	SHD29	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	068	SPIRE PLW Ch29-32	30+	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	068		
211121	P024	057	SPIRE PLW Ch29-32	30-	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	057		
211121	P024	128	SPIRE PLW Ch29-32	SHD30	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	069	SPIRE PLW Ch29-32	31+	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	069		
211121	P024	080	SPIRE PLW Ch29-32	31-	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	080		
211121	P024	128	SPIRE PLW Ch29-32	SHD31	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	070	SPIRE PLW Ch29-32	32+	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	070		
211121	P024	081	SPIRE PLW Ch29-32	32-	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	081		
211121	P024	128	SPIRE PLW Ch29-32	SHD32	SPAI	021SS-38	S114	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	128	SPIRE PMW B06 GND WIRE A2	-	SPX-	010B0-30	S462	HSSVMCB2	312200	J003	128		
211121	P024	-		-			-						
211121	P024	023	SPIRE PLW Ch33-36	33+	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	023		
211121	P024	034	SPIRE PLW Ch33-36	33-	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	034		
211121	P024	004	SPIRE PLW Ch33-36	SHD33	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	033	SPIRE PLW Ch33-36	34+	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	033		
211121	P024	045	SPIRE PLW Ch33-36	34-	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	045		
211121	P024	004	SPIRE PLW Ch33-36	SHD34	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	044	SPIRE PLW Ch33-36	35+	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	044		
211121	P024	056	SPIRE PLW Ch33-36	35-	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	056		
211121	P024	004	SPIRE PLW Ch33-36	SHD35	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	022	SPIRE PLW Ch33-36	36+	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	022		
211121	P024	032	SPIRE PLW Ch33-36	36-	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	032		
211121	P024	004	SPIRE PLW Ch33-36	SHD36	SPAI	021SS-38	S115	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	013	SPIRE PLW Ch37-40	37+	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	013		
211121	P024	012	SPIRE PLW Ch37-40	37-	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	012		
211121	P024	004	SPIRE PLW Ch37-40	SHD37	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	021	SPIRE PLW Ch37-40	38+	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	021		
211121	P024	020	SPIRE PLW Ch37-40	38-	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	020		
211121	P024	004	SPIRE PLW Ch37-40	SHD38	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	031	SPIRE PLW Ch37-40	39+	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	031		
211121	P024	043	SPIRE PLW Ch37-40	39-	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	043		
211121	P024	004	SPIRE PLW Ch37-40	SHD39	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	042	SPIRE PLW Ch37-40	40+	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	042		
211121	P024	054	SPIRE PLW Ch37-40	40-	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	054		
211121	P024	004	SPIRE PLW Ch37-40	SHD40	SPAI	021SS-38	S118	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	010	SPIRE PLW Ch41-44	41+	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	010		
211121	P024	011	SPIRE PLW Ch41-44	41-	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	011		
211121	P024	004	SPIRE PLW Ch41-44	SHD41	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	019	SPIRE PLW Ch41-44	42+	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	019		
211121	P024	029	SPIRE PLW Ch41-44	42-	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	029		
211121	P024	004	SPIRE PLW Ch41-44	SHD42	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	041	SPIRE PLW Ch41-44	43+	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	041		
211121	P024	030	SPIRE PLW Ch41-44	43-	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	030		
211121	P024	004	SPIRE PLW Ch41-44	SHD43	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	053	SPIRE PLW Ch41-44	44+	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	053		
211121	P024	052	SPIRE PLW Ch41-44	44-	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	052		
211121	P024	004	SPIRE PLW Ch41-44	SHD44	SPAI	021SS-38	S119	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	009	SPIRE PLW Ch45-48	45+	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	009		
211121	P024	017	SPIRE PLW Ch45-48	45-	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	017		
211121	P024	004	SPIRE PLW Ch45-48	SHD45	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	018	SPIRE PLW Ch45-48	46+	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	018		
211121	P024	028	SPIRE PLW Ch45-48	46-	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	028		
211121	P024	004	SPIRE PLW Ch45-48	SHD46	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	016	SPIRE PLW Ch45-48	47+	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	016		
211121	P024	027	SPIRE PLW Ch45-48	47-	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	027		
211121	P024	004	SPIRE PLW Ch45-48	SHD47	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	040	SPIRE PLW Ch45-48	48+	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	040		
211121	P024	039	SPIRE PLW Ch45-48	48-	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	039		
211121	P024	004	SPIRE PLW Ch45-48	SHD48	SPAI	021SS-38	S120	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	004	SPIRE PMW B06 GND WIRE A4	-	SPX-	010B0-30	S464	HSSVMCB2	312200	J003	004		
211121	P024	-		-			-						
211121	P024	047	SPIRE PMW B06 GND WIRE A3	-	SPX-	010B0-30	S463	HSSVMCB2	312200	J003	047		
211121	P024	-		-			-						
211121	P024	036		-			-						
211121	P024	004	to be con to pin 036 with 010SS-38	-			-						
211121	P024	047	to be con to pin 036 with 010SS-38	-			-						
211121	P024	128	to be con to pin 036 with 010SS-38	-			-						
211121	P024	-		-			-						
211121	P024	001	to be con as part of FCR	-			-						
211121	P024	002	to be con as part of FCR	-			-						
211121	P024	003	to be con as part of FCR	-			-						
211121	P024	005	to be con as part of FCR	-			-						
211121	P024	006	to be con as part of FCR	-			-						
211121	P024	007	to be con as part of FCR	-			-						
211121	P024	008	to be con as part of FCR	-			-						
211121	P024	014	to be con as part of FCR	-			-						
211121	P024	015	to be con as part of FCR	-			-						
211121	P024	024	to be con as part of FCR	-			-						
211121	P024	025	to be con as part of FCR	-			-						
211121	P024	035	to be con as part of FCR	-			-						
211121	P024	082	to be con as part of FCR	-			-						
211121	P024	093	to be con as part of FCR	-			-						
211121	P024	094	to be con as part of FCR	-			-						
211121	P024	104	to be con as part of FCR	-			-						
211121	P024	105	to be con as part of FCR	-			-						
211121	P024	114	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P024	115	to be con as part of FCR	-			-						
211121	P024	121	to be con as part of FCR	-			-						
211121	P024	122	to be con as part of FCR	-			-						
211121	P024	123	to be con as part of FCR	-			-						
211121	P024	124	to be con as part of FCR	-			-						
211121	P024	125	to be con as part of FCR	-			-						
211121	P024	126	to be con as part of FCR	-			-						
211121	P024	127	to be con as part of FCR	-			-						
211121	P024	-		-			-						
211121	P024	FCR	to be co to Inner Overall Shield (IOS)	-			-						
211121	P024	-		-			-						
211121	P024	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	026	SPIRE PSW (5) Ch01-04	1+	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	026		
211121	P025	037	SPIRE PSW (5) Ch01-04	1-	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	037		
211121	P025	036	SPIRE PSW (5) Ch01-04	SHD01	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	038	SPIRE PSW (5) Ch01-04	2+	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	038		
211121	P025	049	SPIRE PSW (5) Ch01-04	2-	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	049		
211121	P025	036	SPIRE PSW (5) Ch01-04	SHD02	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	048	SPIRE PSW (5) Ch01-04	3+	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	048		
211121	P025	060	SPIRE PSW (5) Ch01-04	3-	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	060		
211121	P025	036	SPIRE PSW (5) Ch01-04	SHD03	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	059	SPIRE PSW (5) Ch01-04	4+	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	059		
211121	P025	071	SPIRE PSW (5) Ch01-04	4-	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	071		
211121	P025	036	SPIRE PSW (5) Ch01-04	SHD04	SPCI	021SS-38	S158	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	050	SPIRE PSW (5) Ch05-08	5+	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	050		
211121	P025	061	SPIRE PSW (5) Ch05-08	5-	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	061		
211121	P025	036	SPIRE PSW (5) Ch05-08	SHD05	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	062	SPIRE PSW (5) Ch05-08	6+	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	062		
211121	P025	051	SPIRE PSW (5) Ch05-08	6-	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	051		
211121	P025	036	SPIRE PSW (5) Ch05-08	SHD06	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	063	SPIRE PSW (5) Ch05-08	7+	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	063		
211121	P025	075	SPIRE PSW (5) Ch05-08	7-	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	075		
211121	P025	036	SPIRE PSW (5) Ch05-08	SHD07	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	074	SPIRE PSW (5) Ch05-08	8+	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	074		
211121	P025	073	SPIRE PSW (5) Ch05-08	8-	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	073		
211121	P025	036	SPIRE PSW (5) Ch05-08	SHD08	SPCI	021SS-38	S159	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	083	SPIRE PSW (5) Ch09-12	9+	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	083		
211121	P025	072	SPIRE PSW (5) Ch09-12	9-	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	072		
211121	P025	036	SPIRE PSW (5) Ch09-12	SHD09	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	095	SPIRE PSW (5) Ch09-12	10+	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	095		
211121	P025	084	SPIRE PSW (5) Ch09-12	10-	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	084		
211121	P025	036	SPIRE PSW (5) Ch09-12	SHD10	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	096	SPIRE PSW (5) Ch09-12	11+	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	096		
211121	P025	085	SPIRE PSW (5) Ch09-12	11-	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	085		
211121	P025	036	SPIRE PSW (5) Ch09-12	SHD11	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	106	SPIRE PSW (5) Ch09-12	12+	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	106		
211121	P025	107	SPIRE PSW (5) Ch09-12	12-	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	107		
211121	P025	036	SPIRE PSW (5) Ch09-12	SHD12	SPCI	021SS-38	S160	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	086	SPIRE PSW (5) Ch13-16	13+	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	086		
211121	P025	087	SPIRE PSW (5) Ch13-16	13-	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	087		
211121	P025	036	SPIRE PSW (5) Ch13-16	SHD13	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	097	SPIRE PSW (5) Ch13-16	14+	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	097		
211121	P025	098	SPIRE PSW (5) Ch13-16	14-	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	098		
211121	P025	036	SPIRE PSW (5) Ch13-16	SHD14	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	108	SPIRE PSW (5) Ch13-16	15+	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	108		
211121	P025	109	SPIRE PSW (5) Ch13-16	15-	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	109		
211121	P025	036	SPIRE PSW (5) Ch13-16	SHD15	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	116	SPIRE PSW (5) Ch13-16	16+	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	116		
211121	P025	117	SPIRE PSW (5) Ch13-16	16-	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	117		
211121	P025	036	SPIRE PSW (5) Ch13-16	SHD16	SPCI	021SS-38	S163	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	036	SPIRE PLW B07 GND WIRE A1	-	SPX-	010B0-30	S471	HSSVMCB2	312200	J004	036		
211121	P025	-		-			-						
211121	P025	055	SPIRE PSW (5) Ch17-20	17+	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	055		
211121	P025	066	SPIRE PSW (5) Ch17-20	17-	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	066		
211121	P025	128	SPIRE PSW (5) Ch17-20	SHD17	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	067	SPIRE PSW (5) Ch17-20	18+	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	067		
211121	P025	078	SPIRE PSW (5) Ch17-20	18-	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	078		
211121	P025	128	SPIRE PSW (5) Ch17-20	SHD18	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	076	SPIRE PSW (5) Ch17-20	19+	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	076		
211121	P025	077	SPIRE PSW (5) Ch17-20	19-	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	077		
211121	P025	128	SPIRE PSW (5) Ch17-20	SHD19	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	088	SPIRE PSW (5) Ch17-20	20+	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	088		
211121	P025	089	SPIRE PSW (5) Ch17-20	20-	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	089		
211121	P025	128	SPIRE PSW (5) Ch17-20	SHD20	SPCI	021SS-38	S164	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	099	SPIRE PSW (5) Ch21-24	21+	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	099		
211121	P025	100	SPIRE PSW (5) Ch21-24	21-	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	128	SPIRE PSW (5) Ch21-24	SHD21	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	110	SPIRE PSW (5) Ch21-24	22+	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	110		
211121	P025	111	SPIRE PSW (5) Ch21-24	22-	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	111		
211121	P025	128	SPIRE PSW (5) Ch21-24	SHD22	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	118	SPIRE PSW (5) Ch21-24	23+	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	118		
211121	P025	119	SPIRE PSW (5) Ch21-24	23-	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	119		
211121	P025	128	SPIRE PSW (5) Ch21-24	SHD23	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	112	SPIRE PSW (5) Ch21-24	24+	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	112		
211121	P025	120	SPIRE PSW (5) Ch21-24	24-	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	120		
211121	P025	128	SPIRE PSW (5) Ch21-24	SHD24	SPCI	021SS-38	S165	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	090	SPIRE PSW (6) Ch25-28	25+	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	090		
211121	P025	079	SPIRE PSW (6) Ch25-28	25-	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	079		
211121	P025	128	SPIRE PSW (6) Ch25-28	SHD25	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	102	SPIRE PSW (6) Ch25-28	26+	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	102		
211121	P025	101	SPIRE PSW (6) Ch25-28	26-	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	101		
211121	P025	128	SPIRE PSW (6) Ch25-28	SHD26	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	092	SPIRE PSW (6) Ch25-28	27+	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	092		
211121	P025	091	SPIRE PSW (6) Ch25-28	27-	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	091		
211121	P025	128	SPIRE PSW (6) Ch25-28	SHD27	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	103	SPIRE PSW (6) Ch25-28	28+	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	103		
211121	P025	113	SPIRE PSW (6) Ch25-28	28-	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	128	SPIRE PSW (6) Ch25-28	SHD28	SPCI	021SS-38	S167	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	058	SPIRE PSW (6) Ch29-32	29+	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	058		
211121	P025	046	SPIRE PSW (6) Ch29-32	29-	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	046		
211121	P025	128	SPIRE PSW (6) Ch29-32	SHD29	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	068	SPIRE PSW (6) Ch29-32	30+	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	068		
211121	P025	057	SPIRE PSW (6) Ch29-32	30-	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	057		
211121	P025	128	SPIRE PSW (6) Ch29-32	SHD30	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	069	SPIRE PSW (6) Ch29-32	31+	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	069		
211121	P025	080	SPIRE PSW (6) Ch29-32	31-	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	080		
211121	P025	128	SPIRE PSW (6) Ch29-32	SHD31	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	070	SPIRE PSW (6) Ch29-32	32+	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	070		
211121	P025	081	SPIRE PSW (6) Ch29-32	32-	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	081		
211121	P025	128	SPIRE PSW (6) Ch29-32	SHD32	SPCI	021SS-38	S168	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	128	SPIRE PLW B07 GND WIRE A2	-	SPX-	010B0-30	S472	HSSVMCB2	312200	J004	128		
211121	P025	-		-			-						
211121	P025	023	SPIRE PSW (6) Ch33-36	33+	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	023		
211121	P025	034	SPIRE PSW (6) Ch33-36	33-	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	034		
211121	P025	004	SPIRE PSW (6) Ch33-36	SHD33	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	033	SPIRE PSW (6) Ch33-36	34+	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	033		
211121	P025	045	SPIRE PSW (6) Ch33-36	34-	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	045		
211121	P025	004	SPIRE PSW (6) Ch33-36	SHD34	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	044	SPIRE PSW (6) Ch33-36	35+	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	044		
211121	P025	056	SPIRE PSW (6) Ch33-36	35-	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	056		
211121	P025	004	SPIRE PSW (6) Ch33-36	SHD35	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	022	SPIRE PSW (6) Ch33-36	36+	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	022		
211121	P025	032	SPIRE PSW (6) Ch33-36	36-	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	032		
211121	P025	004	SPIRE PSW (6) Ch33-36	SHD36	SPCI	021SS-38	S169	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	013	SPIRE PSW (6) Ch37-40	37+	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	013		
211121	P025	012	SPIRE PSW (6) Ch37-40	37-	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	012		
211121	P025	004	SPIRE PSW (6) Ch37-40	SHD37	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	021	SPIRE PSW (6) Ch37-40	38+	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	021		
211121	P025	020	SPIRE PSW (6) Ch37-40	38-	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	020		
211121	P025	004	SPIRE PSW (6) Ch37-40	SHD38	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	031	SPIRE PSW (6) Ch37-40	39+	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	031		
211121	P025	043	SPIRE PSW (6) Ch37-40	39-	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	043		
211121	P025	004	SPIRE PSW (6) Ch37-40	SHD39	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	042	SPIRE PSW (6) Ch37-40	40+	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	042		
211121	P025	054	SPIRE PSW (6) Ch37-40	40-	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	054		
211121	P025	004	SPIRE PSW (6) Ch37-40	SHD40	SPCI	021SS-38	S172	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	010	SPIRE PSW (6) Ch41-44	41+	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	010		
211121	P025	011	SPIRE PSW (6) Ch41-44	41-	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	011		
211121	P025	004	SPIRE PSW (6) Ch41-44	SHD41	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	019	SPIRE PSW (6) Ch41-44	42+	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	019		
211121	P025	029	SPIRE PSW (6) Ch41-44	42-	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	029		
211121	P025	004	SPIRE PSW (6) Ch41-44	SHD42	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	041	SPIRE PSW (6) Ch41-44	43+	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	041		
211121	P025	030	SPIRE PSW (6) Ch41-44	43-	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	030		
211121	P025	004	SPIRE PSW (6) Ch41-44	SHD43	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	053	SPIRE PSW (6) Ch41-44	44+	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	053		
211121	P025	052	SPIRE PSW (6) Ch41-44	44-	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	052		
211121	P025	004	SPIRE PSW (6) Ch41-44	SHD44	SPCI	021SS-38	S173	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	009	SPIRE PSW (6) Ch45-48	45+	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	009		
211121	P025	017	SPIRE PSW (6) Ch45-48	45-	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	017		
211121	P025	004	SPIRE PSW (6) Ch45-48	SHD45	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	018	SPIRE PSW (6) Ch45-48	46+	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	018		
211121	P025	028	SPIRE PSW (6) Ch45-48	46-	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	028		
211121	P025	004	SPIRE PSW (6) Ch45-48	SHD46	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	016	SPIRE PSW (6) Ch45-48	47+	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	016		
211121	P025	027	SPIRE PSW (6) Ch45-48	47-	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	027		
211121	P025	004	SPIRE PSW (6) Ch45-48	SHD47	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	040	SPIRE PSW (6) Ch45-48	48+	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	040		
211121	P025	039	SPIRE PSW (6) Ch45-48	48-	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	039		
211121	P025	004	SPIRE PSW (6) Ch45-48	SHD48	SPCI	021SS-38	S174	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	004	SPIRE PLW B07 GND WIRE A4	-	SPX-	010B0-30	S474	HSSVMCB2	312200	J004	004		
211121	P025	-		-			-						
211121	P025	047	SPIRE PLW B07 GND WIRE A3	-	SPX-	010B0-30	S473	HSSVMCB2	312200	J004	047		
211121	P025	-		-			-						
211121	P025	036		-			-						
211121	P025	004	to be con to pin 036 with 010SS-38	-			-						
211121	P025	047	to be con to pin 036 with 010SS-38	-			-						
211121	P025	128	to be con to pin 036 with 010SS-38	-			-						
211121	P025	-		-			-						
211121	P025	001	to be con as part of FCR	-			-						
211121	P025	002	to be con as part of FCR	-			-						
211121	P025	003	to be con as part of FCR	-			-						
211121	P025	005	to be con as part of FCR	-			-						
211121	P025	006	to be con as part of FCR	-			-						
211121	P025	007	to be con as part of FCR	-			-						
211121	P025	008	to be con as part of FCR	-			-						
211121	P025	014	to be con as part of FCR	-			-						
211121	P025	015	to be con as part of FCR	-			-						
211121	P025	024	to be con as part of FCR	-			-						
211121	P025	025	to be con as part of FCR	-			-						
211121	P025	035	to be con as part of FCR	-			-						
211121	P025	082	to be con as part of FCR	-			-						
211121	P025	093	to be con as part of FCR	-			-						
211121	P025	094	to be con as part of FCR	-			-						
211121	P025	104	to be con as part of FCR	-			-						
211121	P025	105	to be con as part of FCR	-			-						
211121	P025	114	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P025	115	to be con as part of FCR	-			-						
211121	P025	121	to be con as part of FCR	-			-						
211121	P025	122	to be con as part of FCR	-			-						
211121	P025	123	to be con as part of FCR	-			-						
211121	P025	124	to be con as part of FCR	-			-						
211121	P025	125	to be con as part of FCR	-			-						
211121	P025	126	to be con as part of FCR	-			-						
211121	P025	127	to be con as part of FCR	-			-						
211121	P025	-		-			-						
211121	P025	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P025	-		-			-						
211121	P025	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	026	SPIRE PSW_JFETV1_A	A+	SPLI	021BS-38	S176	HSSVMCB1	312100	J004	026		
211121	P026	037	SPIRE PSW_JFETV1_A	A-	SPLI	021BS-38	S176	HSSVMCB1	312100	J004	037		
211121	P026	036	SPIRE PSW_JFETV1_A	SHD01	SPLI	021BS-38	S176	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	038	SPIRE PSW_JFETV2_A	A+	SPLI	021BS-38	S177	HSSVMCB1	312100	J004	038		
211121	P026	049	SPIRE PSW_JFETV2_A	A-	SPLI	021BS-38	S177	HSSVMCB1	312100	J004	049		
211121	P026	036	SPIRE PSW_JFETV2_A	SHD02	SPLI	021BS-38	S177	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	048	SPIRE PSW_JFETV3_A	A+	SPLI	021BS-38	S178	HSSVMCB1	312100	J004	048		
211121	P026	060	SPIRE PSW_JFETV3_A	A-	SPLI	021BS-38	S178	HSSVMCB1	312100	J004	060		
211121	P026	036	SPIRE PSW_JFETV3_A	SHD03	SPLI	021BS-38	S178	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	059	SPIRE PSW_JFETV4_A	A+	SPLI	021BS-38	S179	HSSVMCB1	312100	J004	059		
211121	P026	071	SPIRE PSW_JFETV4_A	A-	SPLI	021BS-38	S179	HSSVMCB1	312100	J004	071		
211121	P026	036	SPIRE PSW_JFETV4_A	SHD04	SPLI	021BS-38	S179	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	050	SPIRE PSW_JFETV5_A	A+	SPLI	021BS-38	S180	HSSVMCB1	312100	J004	050		
211121	P026	061	SPIRE PSW_JFETV5_A	A-	SPLI	021BS-38	S180	HSSVMCB1	312100	J004	061		
211121	P026	036	SPIRE PSW_JFETV5_A	SHD05	SPLI	021BS-38	S180	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	062	SPIRE PSW_JFETV6_A	A+	SPLI	021BS-38	S181	HSSVMCB1	312100	J004	062		
211121	P026	051	SPIRE PSW_JFETV6_A	A-	SPLI	021BS-38	S181	HSSVMCB1	312100	J004	051		
211121	P026	036	SPIRE PSW_JFETV6_A	SHD06	SPLI	021BS-38	S181	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	063	SPIRE PSW_Bias1/2_A	A+	SPKI	021BS-38	S183	HSSVMCB1	312100	J004	063		
211121	P026	075	SPIRE PSW_Bias1/2_A	A-	SPKI	021BS-38	S183	HSSVMCB1	312100	J004	075		
211121	P026	036	SPIRE PSW_Bias1/2_A	SHD07	SPKI	021BS-38	S183	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	074	SPIRE PSW_Bias3/4_A	A+	SPKI	021BS-38	S184	HSSVMCB1	312100	J004	074		
211121	P026	073	SPIRE PSW_Bias3/4_A	A-	SPKI	021BS-38	S184	HSSVMCB1	312100	J004	073		
211121	P026	036	SPIRE PSW_Bias3/4_A	SHD08	SPKI	021BS-38	S184	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	083	SPIRE PSW_Bias5/6_A	A+	SPKI	021BS-38	S185	HSSVMCB1	312100	J004	083		
211121	P026	072	SPIRE PSW_Bias5/6_A	A-	SPKI	021BS-38	S185	HSSVMCB1	312100	J004	072		
211121	P026	036	SPIRE PSW_Bias5/6_A	SHD09	SPKI	021BS-38	S185	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	036	SPIRE PSW_JFETV GND A1	-	SPX-	010B0-30	S431	HSSVMCB1	312100	J004	036		
211121	P026	-		-			-						
211121	P026	095	SPIRE PSW_Heater_A1	A1+	SPM-	021SS-38	S186	HSSVMCB1	312100	J004	095		
211121	P026	084	SPIRE PSW_Heater_A1	A1-	SPM-	021SS-38	S186	HSSVMCB1	312100	J004	084		
211121	P026	105	SPIRE PSW_Heater_A1	SHD10	SPM-	021SS-38	S186	HSSVMCB1	312100	J004	105		
211121	P026	-		-			-						
211121	P026	096	SPIRE PSW_Heater_A2	A2+	SPM-	021SS-38	S187	HSSVMCB1	312100	J004	096		
211121	P026	085	SPIRE PSW_Heater_A2	A2-	SPM-	021SS-38	S187	HSSVMCB1	312100	J004	085		
211121	P026	105	SPIRE PSW_Heater_A2	SHD11	SPM-	021SS-38	S187	HSSVMCB1	312100	J004	105		
211121	P026	-		-			-						
211121	P026	106	SPIRE PSW_Heater_A3	A3+	SPM-	021SS-38	S188	HSSVMCB1	312100	J004	106		
211121	P026	107	SPIRE PSW_Heater_A3	A3-	SPM-	021SS-38	S188	HSSVMCB1	312100	J004	107		
211121	P026	105	SPIRE PSW_Heater_A3	SHD12	SPM-	021SS-38	S188	HSSVMCB1	312100	J004	105		
211121	P026	-		-			-						
211121	P026	042	SPIRE PSW_JFETV1_B	B+	SPLI	021BS-38	S205	HSSVMCB1	312100	J004	042		
211121	P026	054	SPIRE PSW_JFETV1_B	B-	SPLI	021BS-38	S205	HSSVMCB1	312100	J004	054		
211121	P026	001	SPIRE PSW_JFETV1_B	SHD13	SPLI	021BS-38	S205	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	053	SPIRE PSW_JFETV2_B	B+	SPLI	021BS-38	S206	HSSVMCB1	312100	J004	053		
211121	P026	052	SPIRE PSW_JFETV2_B	B-	SPLI	021BS-38	S206	HSSVMCB1	312100	J004	052		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	001	SPIRE PSW_JFETV2_B	SHD14	SPLI	021BS-38	S206	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	041	SPIRE PSW_JFETV3_B	B+	SPLI	021BS-38	S207	HSSVMCB1	312100	J004	041		
211121	P026	030	SPIRE PSW_JFETV3_B	B-	SPLI	021BS-38	S207	HSSVMCB1	312100	J004	030		
211121	P026	001	SPIRE PSW_JFETV3_B	SHD15	SPLI	021BS-38	S207	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	010	SPIRE PSW_JFETV4_B	B+	SPLI	021BS-38	S208	HSSVMCB1	312100	J004	010		
211121	P026	011	SPIRE PSW_JFETV4_B	B-	SPLI	021BS-38	S208	HSSVMCB1	312100	J004	011		
211121	P026	001	SPIRE PSW_JFETV4_B	SHD16	SPLI	021BS-38	S208	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	019	SPIRE PSW_JFETV5_B	B+	SPLI	021BS-38	S209	HSSVMCB1	312100	J004	019		
211121	P026	029	SPIRE PSW_JFETV5_B	B-	SPLI	021BS-38	S209	HSSVMCB1	312100	J004	029		
211121	P026	001	SPIRE PSW_JFETV5_B	SHD17	SPLI	021BS-38	S209	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	016	SPIRE PSW_JFETV6_B	B+	SPLI	021BS-38	S210	HSSVMCB1	312100	J004	016		
211121	P026	027	SPIRE PSW_JFETV6_B	B-	SPLI	021BS-38	S210	HSSVMCB1	312100	J004	027		
211121	P026	001	SPIRE PSW_JFETV6_B	SHD18	SPLI	021BS-38	S210	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	040	SPIRE PSW_Bias1/2_B	B+	SPKI	021BS-38	S212	HSSVMCB1	312100	J004	040		
211121	P026	039	SPIRE PSW_Bias1/2_B	B-	SPKI	021BS-38	S212	HSSVMCB1	312100	J004	039		
211121	P026	001	SPIRE PSW_Bias1/2_B	SHD19	SPKI	021BS-38	S212	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	018	SPIRE PSW_Bias3/4_B	B+	SPKI	021BS-38	S213	HSSVMCB1	312100	J004	018		
211121	P026	028	SPIRE PSW_Bias3/4_B	B-	SPKI	021BS-38	S213	HSSVMCB1	312100	J004	028		
211121	P026	001	SPIRE PSW_Bias3/4_B	SHD20	SPKI	021BS-38	S213	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	009	SPIRE PSW_Bias5/6_B	B+	SPKI	021BS-38	S214	HSSVMCB1	312100	J004	009		
211121	P026	017	SPIRE PSW_Bias5/6_B	B-	SPKI	021BS-38	S214	HSSVMCB1	312100	J004	017		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	001	SPIRE PSW_Bias5/6_B	SHD21	SPKI	021BS-38	S214	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	001	SPIRE PSW_JFETV GND A3	-	SPX-	010B0-30	S433	HSSVMCB1	312100	J004	001		
211121	P026	-		-			-						
211121	P026	013	SPIRE PSW_Heater_B1	B1+	SPM-	021SS-38	S215	HSSVMCB1	312100	J004	013		
211121	P026	012	SPIRE PSW_Heater_B1	B1-	SPM-	021SS-38	S215	HSSVMCB1	312100	J004	012		
211121	P026	005	SPIRE PSW_Heater_B1	SHD22	SPM-	021SS-38	S215	HSSVMCB1	312100	J004	005		
211121	P026	-		-			-						
211121	P026	021	SPIRE PSW_Heater_B2	B2+	SPM-	021SS-38	S216	HSSVMCB1	312100	J004	021		
211121	P026	020	SPIRE PSW_Heater_B2	B2-	SPM-	021SS-38	S216	HSSVMCB1	312100	J004	020		
211121	P026	005	SPIRE PSW_Heater_B2	SHD23	SPM-	021SS-38	S216	HSSVMCB1	312100	J004	005		
211121	P026	-		-			-						
211121	P026	031	SPIRE PSW_Heater_B3	B3+	SPM-	021SS-38	S217	HSSVMCB1	312100	J004	031		
211121	P026	043	SPIRE PSW_Heater_B3	B3-	SPM-	021SS-38	S217	HSSVMCB1	312100	J004	043		
211121	P026	005	SPIRE PSW_Heater_B3	SHD24	SPM-	021SS-38	S217	HSSVMCB1	312100	J004	005		
211121	P026	-		-			-						
211121	P026	086	SPIRE PMW_JFETV1_A	A+	SPHI	021BS-38	S190	HSSVMCB1	312100	J004	086		
211121	P026	087	SPIRE PMW_JFETV1_A	A-	SPHI	021BS-38	S190	HSSVMCB1	312100	J004	087		
211121	P026	064	SPIRE PMW_JFETV1_A	SHD25	SPHI	021BS-38	S190	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	097	SPIRE PMW_JFETV2_A	A+	SPHI	021BS-38	S191	HSSVMCB1	312100	J004	097		
211121	P026	098	SPIRE PMW_JFETV2_A	A-	SPHI	021BS-38	S191	HSSVMCB1	312100	J004	098		
211121	P026	064	SPIRE PMW_JFETV2_A	SHD26	SPHI	021BS-38	S191	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	108	SPIRE PMW_JFETV3_A	A+	SPHI	021BS-38	S192	HSSVMCB1	312100	J004	108		
211121	P026	109	SPIRE PMW_JFETV3_A	A-	SPHI	021BS-38	S192	HSSVMCB1	312100	J004	109		
211121	P026	064	SPIRE PMW_JFETV3_A	SHD27	SPHI	021BS-38	S192	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	116	SPIRE PMW_JFETV4_A	A+	SPHI	021BS-38	S193	HSSVMCB1	312100	J004	116		
211121	P026	117	SPIRE PMW_JFETV4_A	A-	SPHI	021BS-38	S193	HSSVMCB1	312100	J004	117		
211121	P026	064	SPIRE PMW_JFETV4_A	SHD28	SPHI	021BS-38	S193	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	076	SPIRE PMW_Bias1/2_A	A+	SPGI	021BS-38	S194	HSSVMCB1	312100	J004	076		
211121	P026	077	SPIRE PMW_Bias1/2_A	A-	SPGI	021BS-38	S194	HSSVMCB1	312100	J004	077		
211121	P026	064	SPIRE PMW_Bias1/2_A	SHD29	SPGI	021BS-38	S194	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	088	SPIRE PMW_Bias3/4_A	A+	SPGI	021BS-38	S195	HSSVMCB1	312100	J004	088		
211121	P026	089	SPIRE PMW_Bias3/4_A	A-	SPGI	021BS-38	S195	HSSVMCB1	312100	J004	089		
211121	P026	064	SPIRE PMW_Bias3/4_A	SHD30	SPGI	021BS-38	S195	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	064	SPIRE PMW_GND A2	-	SPX-	010B0-30	S435	HSSVMCB1	312100	J004	064		
211121	P026	-		-			-						
211121	P026	103	SPIRE PMW_Heater_A1	A1+	SPJ-	021SS-38	S197	HSSVMCB1	312100	J004	103		
211121	P026	113	SPIRE PMW_Heater_A1	A1-	SPJ-	021SS-38	S197	HSSVMCB1	312100	J004	113		
211121	P026	114	SPIRE PMW_Heater_A1	SHD31	SPJ-	021SS-38	S197	HSSVMCB1	312100	J004	114		
211121	P026	-		-			-						
211121	P026	102	SPIRE PMW_Heater_A2	A2+	SPJ-	021SS-38	S198	HSSVMCB1	312100	J004	102		
211121	P026	101	SPIRE PMW_Heater_A2	A2-	SPJ-	021SS-38	S198	HSSVMCB1	312100	J004	101		
211121	P026	114	SPIRE PMW_Heater_A2	SHD32	SPJ-	021SS-38	S198	HSSVMCB1	312100	J004	114		
211121	P026	-		-			-						
211121	P026	092	SPIRE PLW_Heater_A	A+	SPF-	021SS-38	S199	HSSVMCB1	312100	J004	092		
211121	P026	104	SPIRE PLW_Heater_A	A-	SPF-	021SS-38	S199	HSSVMCB1	312100	J004	104		
211121	P026	114	SPIRE PLW_Heater_A	SHD33	SPF-	021SS-38	S199	HSSVMCB1	312100	J004	114		
211121	P026	-		-			-						
211121	P026	99	SPIRE PLW_JFETV1_A	A+	SPEI	021BS-38	S200	HSSVMCB1	312100	J004	099		
211121	P026	100	SPIRE PLW_JFETV1_A	A-	SPEI	021BS-38	S200	HSSVMCB1	312100	J004	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	128	SPIRE PLW_JFETV1_A	SHD34	SPEI	021BS-38	S200	HSSVMCB1	312100	J004	128		
211121	P026	-		-			-						
211121	P026	110	SPIRE PLW_JFETV2_A	A+	SPEI	021BS-38	S201	HSSVMCB1	312100	J004	110		
211121	P026	111	SPIRE PLW_JFETV2_A	A-	SPEI	021BS-38	S201	HSSVMCB1	312100	J004	111		
211121	P026	128	SPIRE PLW_JFETV2_A	SHD35	SPEI	021BS-38	S201	HSSVMCB1	312100	J004	128		
211121	P026	-		-			-						
211121	P026	118	SPIRE PLW_Bias1_A	A+	SPDI	021BS-38	S202	HSSVMCB1	312100	J004	118		
211121	P026	119	SPIRE PLW_Bias1_A	A-	SPDI	021BS-38	S202	HSSVMCB1	312100	J004	119		
211121	P026	128	SPIRE PLW_Bias1_A	SHD36	SPDI	021BS-38	S202	HSSVMCB1	312100	J004	128		
211121	P026	-		-			-						
211121	P026	112	SPIRE PLW_Bias2_A	A+	SPDI	021BS-38	S203	HSSVMCB1	312100	J004	112		
211121	P026	120	SPIRE PLW_Bias2_A	A-	SPDI	021BS-38	S203	HSSVMCB1	312100	J004	120		
211121	P026	128	SPIRE PLW_Bias2_A	SHD37	SPDI	021BS-38	S203	HSSVMCB1	312100	J004	128		
211121	P026	-		-			-						
211121	P026	128	SPIRE PLW GND C2	-	SPX-	010B0-30	S437	HSSVMCB1	312100	J004	128		
211121	P026	-		-			-						
211121	P026	007	SPIRE PMW_JFETV1_B	B+	SPHI	021BS-38	S219	HSSVMCB1	312100	J004	007		
211121	P026	014	SPIRE PMW_JFETV1_B	B-	SPHI	021BS-38	S219	HSSVMCB1	312100	J004	014		
211121	P026	006	SPIRE PMW_JFETV1_B	SHD38	SPHI	021BS-38	S219	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	024	SPIRE PMW_JFETV2_B	B+	SPHI	021BS-38	S220	HSSVMCB1	312100	J004	024		
211121	P026	035	SPIRE PMW_JFETV2_B	B-	SPHI	021BS-38	S220	HSSVMCB1	312100	J004	035		
211121	P026	006	SPIRE PMW_JFETV2_B	SHD39	SPHI	021BS-38	S220	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	023	SPIRE PMW_JFETV3_B	B+	SPHI	021BS-38	S221	HSSVMCB1	312100	J004	023		
211121	P026	034	SPIRE PMW_JFETV3_B	B-	SPHI	021BS-38	S221	HSSVMCB1	312100	J004	034		
211121	P026	006	SPIRE PMW_JFETV3_B	SHD40	SPHI	021BS-38	S221	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	033	SPIRE PMW_JFETV4_B	B+	SPHI	021BS-38	S222	HSSVMCB1	312100	J004	033		
211121	P026	045	SPIRE PMW_JFETV4_B	B-	SPHI	021BS-38	S222	HSSVMCB1	312100	J004	045		
211121	P026	006	SPIRE PMW_JFETV4_B	SHD41	SPHI	021BS-38	S222	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	044	SPIRE PMW_Bias1/2_B	B+	SPGI	021BS-38	S223	HSSVMCB1	312100	J004	044		
211121	P026	056	SPIRE PMW_Bias1/2_B	B-	SPGI	021BS-38	S223	HSSVMCB1	312100	J004	056		
211121	P026	006	SPIRE PMW_Bias1/2_B	SHD42	SPGI	021BS-38	S223	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	022	SPIRE PMW_Bias3/4_B	B+	SPGI	021BS-38	S224	HSSVMCB1	312100	J004	022		
211121	P026	032	SPIRE PMW_Bias3/4_B	B-	SPGI	021BS-38	S224	HSSVMCB1	312100	J004	032		
211121	P026	006	SPIRE PMW_Bias3/4_B	SHD43	SPGI	021BS-38	S224	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	006	SPIRE PMW_GND A4	-	SPX-	010B0-30	S438	HSSVMCB1	312100	J004	006		
211121	P026	-		-			-						
211121	P026	055	SPIRE PMW_Heater_B1	B1+	SPJ-	021SS-38	S226	HSSVMCB1	312100	J004	055		
211121	P026	066	SPIRE PMW_Heater_B1	B1-	SPJ-	021SS-38	S226	HSSVMCB1	312100	J004	066		
211121	P026	065	SPIRE PMW_Heater_B1	SHD44	SPJ-	021SS-38	S226	HSSVMCB1	312100	J004	065		
211121	P026	-		-			-						
211121	P026	067	SPIRE PMW_Heater_B2	B2+	SPJ-	021SS-38	S227	HSSVMCB1	312100	J004	067		
211121	P026	078	SPIRE PMW_Heater_B2	B2-	SPJ-	021SS-38	S227	HSSVMCB1	312100	J004	078		
211121	P026	065	SPIRE PMW_Heater_B2	SHD45	SPJ-	021SS-38	S227	HSSVMCB1	312100	J004	065		
211121	P026	-		-			-						
211121	P026	090	SPIRE PLW_Heater_B	B+	SPF-	021SS-38	S228	HSSVMCB1	312100	J004	090		
211121	P026	079	SPIRE PLW_Heater_B	B-	SPF-	021SS-38	S228	HSSVMCB1	312100	J004	079		
211121	P026	065	SPIRE PLW_Heater_B	SHD46	SPF-	021SS-38	S228	HSSVMCB1	312100	J004	065		
211121	P026	-		-			-						
211121	P026	070	SPIRE PLW_JFETV1_B	B+	SPEI	021BS-38	S229	HSSVMCB1	312100	J004	070		
211121	P026	081	SPIRE PLW_JFETV1_B	B-	SPEI	021BS-38	S229	HSSVMCB1	312100	J004	081		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	091	SPIRE PLW_JFETV1_B	SHD47	SPEI	021BS-38	S229	HSSVMCB1	312100	J004	091		
211121	P026	-		-			-						
211121	P026	069	SPIRE PLW_JFETV2_B	B+	SPEI	021BS-38	S230	HSSVMCB1	312100	J004	069		
211121	P026	080	SPIRE PLW_JFETV2_B	B-	SPEI	021BS-38	S230	HSSVMCB1	312100	J004	080		
211121	P026	091	SPIRE PLW_JFETV2_B	SHD48	SPEI	021BS-38	S230	HSSVMCB1	312100	J004	091		
211121	P026	-		-			-						
211121	P026	068	SPIRE PLW_Bias1_B	B+	SPDI	021BS-38	S231	HSSVMCB1	312100	J004	068		
211121	P026	057	SPIRE PLW_Bias1_B	B-	SPDI	021BS-38	S231	HSSVMCB1	312100	J004	057		
211121	P026	091	SPIRE PLW_Bias1_B	SHD49	SPDI	021BS-38	S231	HSSVMCB1	312100	J004	091		
211121	P026	-		-			-						
211121	P026	058	SPIRE PLW_Bias2_B	B+	SPDI	021BS-38	S232	HSSVMCB1	312100	J004	058		
211121	P026	046	SPIRE PLW_Bias2_B	B-	SPDI	021BS-38	S232	HSSVMCB1	312100	J004	046		
211121	P026	091	SPIRE PLW_Bias2_B	SHD50	SPDI	021BS-38	S232	HSSVMCB1	312100	J004	091		
211121	P026	-		-			-						
211121	P026	091	SPIRE PLW_GND C4	-	SPX-	010B0-30	S440	HSSVMCB1	312100	J004	091		
211121	P026	-		-			-						
211121	P026	002	to be con as part of FCR	-			-						
211121	P026	003	to be con as part of FCR	-			-						
211121	P026	004	to be con as part of FCR	-			-						
211121	P026	005	to be con as part of FCR	-			-						
211121	P026	007	to be con as part of FCR	-			-						
211121	P026	008	to be con as part of FCR	-			-						
211121	P026	015	to be con as part of FCR	-			-						
211121	P026	025	to be con as part of FCR	-			-						
211121	P026	047	to be con as part of FCR	-			-						
211121	P026	065	to be con as part of FCR	-			-						
211121	P026	082	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P026	093	to be con as part of FCR	-			-						
211121	P026	094	to be con as part of FCR	-			-						
211121	P026	105	to be con as part of FCR	-			-						
211121	P026	114	to be con as part of FCR	-			-						
211121	P026	115	to be con as part of FCR	-			-						
211121	P026	121	to be con as part of FCR	-			-						
211121	P026	122	to be con as part of FCR	-			-						
211121	P026	123	to be con as part of FCR	-			-						
211121	P026	124	to be con as part of FCR	-			-						
211121	P026	125	to be con as part of FCR	-			-						
211121	P026	126	to be con as part of FCR	-			-						
211121	P026	127	to be con as part of FCR	-			-						
211121	P026	-		-			-						
211121	P026	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P026	-		-			-						
211121	P026	CH	(OOS)	-			-						
Date:		Name:			SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	026	SPIRE PSW (3) Ch01-04	1+	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	026		
211121	P027	037	SPIRE PSW (3) Ch01-04	1-	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	037		
211121	P027	036	SPIRE PSW (3) Ch01-04	SHD01	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	038	SPIRE PSW (3) Ch01-04	2+	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	038		
211121	P027	049	SPIRE PSW (3) Ch01-04	2-	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	049		
211121	P027	036	SPIRE PSW (3) Ch01-04	SHD02	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	048	SPIRE PSW (3) Ch01-04	3+	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	048		
211121	P027	060	SPIRE PSW (3) Ch01-04	3-	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	060		
211121	P027	036	SPIRE PSW (3) Ch01-04	SHD03	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	059	SPIRE PSW (3) Ch01-04	4+	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	059		
211121	P027	071	SPIRE PSW (3) Ch01-04	4-	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	071		
211121	P027	036	SPIRE PSW (3) Ch01-04	SHD04	SPCI	021SS-38	S140	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	050	SPIRE PSW (3) Ch05-08	5+	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	050		
211121	P027	061	SPIRE PSW (3) Ch05-08	5-	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	061		
211121	P027	036	SPIRE PSW (3) Ch05-08	SHD05	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	062	SPIRE PSW (3) Ch05-08	6+	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	062		
211121	P027	051	SPIRE PSW (3) Ch05-08	6-	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	051		
211121	P027	036	SPIRE PSW (3) Ch05-08	SHD06	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	063	SPIRE PSW (3) Ch05-08	7+	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	063		
211121	P027	075	SPIRE PSW (3) Ch05-08	7-	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	075		
211121	P027	036	SPIRE PSW (3) Ch05-08	SHD07	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	074	SPIRE PSW (3) Ch05-08	8+	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	074		
211121	P027	073	SPIRE PSW (3) Ch05-08	8-	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	073		
211121	P027	036	SPIRE PSW (3) Ch05-08	SHD08	SPCI	021SS-38	S141	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	083	SPIRE PSW (3) Ch09-12	9+	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	083		
211121	P027	072	SPIRE PSW (3) Ch09-12	9-	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	072		
211121	P027	036	SPIRE PSW (3) Ch09-12	SHD09	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	095	SPIRE PSW (3) Ch09-12	10+	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	095		
211121	P027	084	SPIRE PSW (3) Ch09-12	10-	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	084		
211121	P027	036	SPIRE PSW (3) Ch09-12	SHD10	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	096	SPIRE PSW (3) Ch09-12	11+	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	096		
211121	P027	085	SPIRE PSW (3) Ch09-12	11-	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	085		
211121	P027	036	SPIRE PSW (3) Ch09-12	SHD11	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	106	SPIRE PSW (3) Ch09-12	12+	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	106		
211121	P027	107	SPIRE PSW (3) Ch09-12	12-	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	107		
211121	P027	036	SPIRE PSW (3) Ch09-12	SHD12	SPCI	021SS-38	S142	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	086	SPIRE PSW (3) Ch13-16	13+	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	086		
211121	P027	087	SPIRE PSW (3) Ch13-16	13-	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	087		
211121	P027	036	SPIRE PSW (3) Ch13-16	SHD13	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	097	SPIRE PSW (3) Ch13-16	14+	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	097		
211121	P027	098	SPIRE PSW (3) Ch13-16	14-	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	098		
211121	P027	036	SPIRE PSW (3) Ch13-16	SHD14	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	108	SPIRE PSW (3) Ch13-16	15+	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	108		
211121	P027	109	SPIRE PSW (3) Ch13-16	15-	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	109		
211121	P027	036	SPIRE PSW (3) Ch13-16	SHD15	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	116	SPIRE PSW (3) Ch13-16	16+	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	116		
211121	P027	117	SPIRE PSW (3) Ch13-16	16-	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	117		
211121	P027	036	SPIRE PSW (3) Ch13-16	SHD16	SPCI	021SS-38	S145	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	036	SPIRE PLW B08 GND WIRE A1	-	SPX-	010B0-30	S481	HSSVMCB2	312200	J001	036		
211121	P027	-		-			-						
211121	P027	055	SPIRE PSW (3) Ch17-20	17+	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	055		
211121	P027	066	SPIRE PSW (3) Ch17-20	17-	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	066		
211121	P027	128	SPIRE PSW (3) Ch17-20	SHD17	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	067	SPIRE PSW (3) Ch17-20	18+	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	067		
211121	P027	078	SPIRE PSW (3) Ch17-20	18-	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	078		
211121	P027	128	SPIRE PSW (3) Ch17-20	SHD18	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	076	SPIRE PSW (3) Ch17-20	19+	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	076		
211121	P027	077	SPIRE PSW (3) Ch17-20	19-	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	077		
211121	P027	128	SPIRE PSW (3) Ch17-20	SHD19	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	088	SPIRE PSW (3) Ch17-20	20+	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	088		
211121	P027	089	SPIRE PSW (3) Ch17-20	20-	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	089		
211121	P027	128	SPIRE PSW (3) Ch17-20	SHD20	SPCI	021SS-38	S146	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	099	SPIRE PSW (3) Ch21-24	21+	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	099		
211121	P027	100	SPIRE PSW (3) Ch21-24	21-	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	128	SPIRE PSW (3) Ch21-24	SHD21	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	110	SPIRE PSW (3) Ch21-24	22+	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	110		
211121	P027	111	SPIRE PSW (3) Ch21-24	22-	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	111		
211121	P027	128	SPIRE PSW (3) Ch21-24	SHD22	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	118	SPIRE PSW (3) Ch21-24	23+	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	118		
211121	P027	119	SPIRE PSW (3) Ch21-24	23-	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	119		
211121	P027	128	SPIRE PSW (3) Ch21-24	SHD23	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	112	SPIRE PSW (3) Ch21-24	24+	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	112		
211121	P027	120	SPIRE PSW (3) Ch21-24	24-	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	120		
211121	P027	128	SPIRE PSW (3) Ch21-24	SHD24	SPCI	021SS-38	S147	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	090	SPIRE PSW (4) Ch25-28	25+	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	090		
211121	P027	079	SPIRE PSW (4) Ch25-28	25-	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	079		
211121	P027	128	SPIRE PSW (4) Ch25-28	SHD25	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	102	SPIRE PSW (4) Ch25-28	26+	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	102		
211121	P027	101	SPIRE PSW (4) Ch25-28	26-	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	101		
211121	P027	128	SPIRE PSW (4) Ch25-28	SHD26	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	092	SPIRE PSW (4) Ch25-28	27+	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	092		
211121	P027	091	SPIRE PSW (4) Ch25-28	27-	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	091		
211121	P027	128	SPIRE PSW (4) Ch25-28	SHD27	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	103	SPIRE PSW (4) Ch25-28	28+	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	103		
211121	P027	113	SPIRE PSW (4) Ch25-28	28-	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	128	SPIRE PSW (4) Ch25-28	SHD28	SPCI	021SS-38	S149	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	058	SPIRE PSW (4) Ch29-32	29+	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	058		
211121	P027	046	SPIRE PSW (4) Ch29-32	29-	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	046		
211121	P027	128	SPIRE PSW (4) Ch29-32	SHD29	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	068	SPIRE PSW (4) Ch29-32	30+	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	068		
211121	P027	057	SPIRE PSW (4) Ch29-32	30-	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	057		
211121	P027	128	SPIRE PSW (4) Ch29-32	SHD30	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	069	SPIRE PSW (4) Ch29-32	31+	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	069		
211121	P027	080	SPIRE PSW (4) Ch29-32	31-	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	080		
211121	P027	128	SPIRE PSW (4) Ch29-32	SHD31	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	070	SPIRE PSW (4) Ch29-32	32+	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	070		
211121	P027	081	SPIRE PSW (4) Ch29-32	32-	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	081		
211121	P027	128	SPIRE PSW (4) Ch29-32	SHD32	SPCI	021SS-38	S150	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	128	SPIRE PLW B08 GND WIRE A2	-	SPX-	010B0-30	S482	HSSVMCB2	312200	J001	128		
211121	P027	-		-			-						
211121	P027	023	SPIRE PSW (4) Ch33-36	33+	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	023		
211121	P027	034	SPIRE PSW (4) Ch33-36	33-	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	034		
211121	P027	004	SPIRE PSW (4) Ch33-36	SHD33	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	033	SPIRE PSW (4) Ch33-36	34+	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	033		
211121	P027	045	SPIRE PSW (4) Ch33-36	34-	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	045		
211121	P027	004	SPIRE PSW (4) Ch33-36	SHD34	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	044	SPIRE PSW (4) Ch33-36	35+	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	044		
211121	P027	056	SPIRE PSW (4) Ch33-36	35-	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	056		
211121	P027	004	SPIRE PSW (4) Ch33-36	SHD35	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	022	SPIRE PSW (4) Ch33-36	36+	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	022		
211121	P027	032	SPIRE PSW (4) Ch33-36	36-	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	032		
211121	P027	004	SPIRE PSW (4) Ch33-36	SHD36	SPCI	021SS-38	S151	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	013	SPIRE PSW (4) Ch37-40	37+	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	013		
211121	P027	012	SPIRE PSW (4) Ch37-40	37-	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	012		
211121	P027	004	SPIRE PSW (4) Ch37-40	SHD37	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	021	SPIRE PSW (4) Ch37-40	38+	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	021		
211121	P027	020	SPIRE PSW (4) Ch37-40	38-	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	020		
211121	P027	004	SPIRE PSW (4) Ch37-40	SHD38	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	031	SPIRE PSW (4) Ch37-40	39+	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	031		
211121	P027	043	SPIRE PSW (4) Ch37-40	39-	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	043		
211121	P027	004	SPIRE PSW (4) Ch37-40	SHD39	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	042	SPIRE PSW (4) Ch37-40	40+	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	042		
211121	P027	054	SPIRE PSW (4) Ch37-40	40-	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	054		
211121	P027	004	SPIRE PSW (4) Ch37-40	SHD40	SPCI	021SS-38	S154	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	010	SPIRE PSW (4) Ch41-44	41+	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	010		
211121	P027	011	SPIRE PSW (4) Ch41-44	41-	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	011		
211121	P027	004	SPIRE PSW (4) Ch41-44	SHD41	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	019	SPIRE PSW (4) Ch41-44	42+	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	019		
211121	P027	029	SPIRE PSW (4) Ch41-44	42-	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	029		
211121	P027	004	SPIRE PSW (4) Ch41-44	SHD42	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	041	SPIRE PSW (4) Ch41-44	43+	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	041		
211121	P027	030	SPIRE PSW (4) Ch41-44	43-	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	030		
211121	P027	004	SPIRE PSW (4) Ch41-44	SHD43	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	053	SPIRE PSW (4) Ch41-44	44+	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	053		
211121	P027	052	SPIRE PSW (4) Ch41-44	44-	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	052		
211121	P027	004	SPIRE PSW (4) Ch41-44	SHD44	SPCI	021SS-38	S155	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	009	SPIRE PSW (4) Ch45-48	45+	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	009		
211121	P027	017	SPIRE PSW (4) Ch45-48	45-	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	017		
211121	P027	004	SPIRE PSW (4) Ch45-48	SHD45	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	018	SPIRE PSW (4) Ch45-48	46+	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	018		
211121	P027	028	SPIRE PSW (4) Ch45-48	46-	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	028		
211121	P027	004	SPIRE PSW (4) Ch45-48	SHD46	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	016	SPIRE PSW (4) Ch45-48	47+	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	016		
211121	P027	027	SPIRE PSW (4) Ch45-48	47-	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	027		
211121	P027	004	SPIRE PSW (4) Ch45-48	SHD47	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	040	SPIRE PSW (4) Ch45-48	48+	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	040		
211121	P027	039	SPIRE PSW (4) Ch45-48	48-	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	039		
211121	P027	004	SPIRE PSW (4) Ch45-48	SHD48	SPCI	021SS-38	S156	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	004	SPIRE PLW B08 GND WIRE A4	-	SPX-	010B0-30	S484	HSSVMCB2	312200	J001	004		
211121	P027	-		-			-						
211121	P027	047	SPIRE PLW B08 GND WIRE A3	-	SPX-	010B0-30	S483	HSSVMCB2	312200	J001	047		
211121	P027	-		-			-						
211121	P027	036		-			-						
211121	P027	004	to be con to pin 036 with 010SS-38	-			-						
211121	P027	047	to be con to pin 036 with 010SS-38	-			-						
211121	P027	128	to be con to pin 036 with 010SS-38	-			-						
211121	P027	-		-			-						
211121	P027	001	to be con as part of FCR	-			-						
211121	P027	002	to be con as part of FCR	-			-						
211121	P027	003	to be con as part of FCR	-			-						
211121	P027	005	to be con as part of FCR	-			-						
211121	P027	006	to be con as part of FCR	-			-						
211121	P027	007	to be con as part of FCR	-			-						
211121	P027	008	to be con as part of FCR	-			-						
211121	P027	014	to be con as part of FCR	-			-						
211121	P027	015	to be con as part of FCR	-			-						
211121	P027	024	to be con as part of FCR	-			-						
211121	P027	025	to be con as part of FCR	-			-						
211121	P027	035	to be con as part of FCR	-			-						
211121	P027	082	to be con as part of FCR	-			-						
211121	P027	093	to be con as part of FCR	-			-						
211121	P027	094	to be con as part of FCR	-			-						
211121	P027	104	to be con as part of FCR	-			-						
211121	P027	105	to be con as part of FCR	-			-						
211121	P027	114	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P027	115	to be con as part of FCR	-			-						
211121	P027	121	to be con as part of FCR	-			-						
211121	P027	122	to be con as part of FCR	-			-						
211121	P027	123	to be con as part of FCR	-			-						
211121	P027	124	to be con as part of FCR	-			-						
211121	P027	125	to be con as part of FCR	-			-						
211121	P027	126	to be con as part of FCR	-			-						
211121	P027	127	to be con as part of FCR	-			-						
211121	P027	-		-			-						
211121	P027	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P027	-		-			-						
211121	P027	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	026	SPIRE PSW Ch01-04	1+	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	026		
211121	P028	037	SPIRE PSW Ch01-04	1-	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	037		
211121	P028	036	SPIRE PSW Ch01-04	SHD01	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	038	SPIRE PSW Ch01-04	2+	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	038		
211121	P028	049	SPIRE PSW Ch01-04	2-	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	049		
211121	P028	036	SPIRE PSW Ch01-04	SHD02	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	048	SPIRE PSW Ch01-04	3+	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	048		
211121	P028	060	SPIRE PSW Ch01-04	3-	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	060		
211121	P028	036	SPIRE PSW Ch01-04	SHD03	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	059	SPIRE PSW Ch01-04	4+	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	059		
211121	P028	071	SPIRE PSW Ch01-04	4-	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	071		
211121	P028	036	SPIRE PSW Ch01-04	SHD04	SPCI	021SS-38	S122	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	050	SPIRE PSW Ch05-08	5+	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	050		
211121	P028	061	SPIRE PSW Ch05-08	5-	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	061		
211121	P028	036	SPIRE PSW Ch05-08	SHD05	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	062	SPIRE PSW Ch05-08	6+	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	062		
211121	P028	051	SPIRE PSW Ch05-08	6-	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	051		
211121	P028	036	SPIRE PSW Ch05-08	SHD06	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	063	SPIRE PSW Ch05-08	7+	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	063		
211121	P028	075	SPIRE PSW Ch05-08	7-	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	075		
211121	P028	036	SPIRE PSW Ch05-08	SHD07	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	074	SPIRE PSW Ch05-08	8+	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	074		
211121	P028	073	SPIRE PSW Ch05-08	8-	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	073		
211121	P028	036	SPIRE PSW Ch05-08	SHD08	SPCI	021SS-38	S123	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	083	SPIRE PSW Ch09-12	9+	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	083		
211121	P028	072	SPIRE PSW Ch09-12	9-	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	072		
211121	P028	036	SPIRE PSW Ch09-12	SHD09	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	095	SPIRE PSW Ch09-12	10+	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	095		
211121	P028	084	SPIRE PSW Ch09-12	10-	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	084		
211121	P028	036	SPIRE PSW Ch09-12	SHD10	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	096	SPIRE PSW Ch09-12	11+	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	096		
211121	P028	085	SPIRE PSW Ch09-12	11-	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	085		
211121	P028	036	SPIRE PSW Ch09-12	SHD11	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	106	SPIRE PSW Ch09-12	12+	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	106		
211121	P028	107	SPIRE PSW Ch09-12	12-	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	107		
211121	P028	036	SPIRE PSW Ch09-12	SHD12	SPCI	021SS-38	S124	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	086	SPIRE PSW Ch13-16	13+	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	086		
211121	P028	087	SPIRE PSW Ch13-16	13-	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	087		
211121	P028	036	SPIRE PSW Ch13-16	SHD13	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	097	SPIRE PSW Ch13-16	14+	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	097		
211121	P028	098	SPIRE PSW Ch13-16	14-	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	098		
211121	P028	036	SPIRE PSW Ch13-16	SHD14	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	108	SPIRE PSW Ch13-16	15+	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	108		
211121	P028	109	SPIRE PSW Ch13-16	15-	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	109		
211121	P028	036	SPIRE PSW Ch13-16	SHD15	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	116	SPIRE PSW Ch13-16	16+	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	116		
211121	P028	117	SPIRE PSW Ch13-16	16-	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	117		
211121	P028	036	SPIRE PSW Ch13-16	SHD16	SPCI	021SS-38	S127	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	036	SPIRE PLW B09 GND WIRE A1	-	SPX-	010B0-30	S491	HSSVMCB2	312200	J002	036		
211121	P028	-		-			-						
211121	P028	055	SPIRE PSW Ch17-20	17+	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	055		
211121	P028	066	SPIRE PSW Ch17-20	17-	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	066		
211121	P028	128	SPIRE PSW Ch17-20	SHD17	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	067	SPIRE PSW Ch17-20	18+	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	067		
211121	P028	078	SPIRE PSW Ch17-20	18-	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	078		
211121	P028	128	SPIRE PSW Ch17-20	SHD18	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	076	SPIRE PSW Ch17-20	19+	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	076		
211121	P028	077	SPIRE PSW Ch17-20	19-	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	077		
211121	P028	128	SPIRE PSW Ch17-20	SHD19	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	088	SPIRE PSW Ch17-20	20+	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	088		
211121	P028	089	SPIRE PSW Ch17-20	20-	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	089		
211121	P028	128	SPIRE PSW Ch17-20	SHD20	SPCI	021SS-38	S128	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	099	SPIRE PSW Ch21-24	21+	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	099		
211121	P028	100	SPIRE PSW Ch21-24	21-	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	100		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	128	SPIRE PSW Ch21-24	SHD21	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	110	SPIRE PSW Ch21-24	22+	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	110		
211121	P028	111	SPIRE PSW Ch21-24	22-	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	111		
211121	P028	128	SPIRE PSW Ch21-24	SHD22	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	118	SPIRE PSW Ch21-24	23+	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	118		
211121	P028	119	SPIRE PSW Ch21-24	23-	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	119		
211121	P028	128	SPIRE PSW Ch21-24	SHD23	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	112	SPIRE PSW Ch21-24	24+	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	112		
211121	P028	120	SPIRE PSW Ch21-24	24-	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	120		
211121	P028	128	SPIRE PSW Ch21-24	SHD24	SPCI	021SS-38	S129	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	090	SPIRE PSW Ch25-28	25+	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	090		
211121	P028	079	SPIRE PSW Ch25-28	25-	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	079		
211121	P028	128	SPIRE PSW Ch25-28	SHD25	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	102	SPIRE PSW Ch25-28	26+	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	102		
211121	P028	101	SPIRE PSW Ch25-28	26-	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	101		
211121	P028	128	SPIRE PSW Ch25-28	SHD26	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	092	SPIRE PSW Ch25-28	27+	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	092		
211121	P028	091	SPIRE PSW Ch25-28	27-	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	091		
211121	P028	128	SPIRE PSW Ch25-28	SHD27	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	103	SPIRE PSW Ch25-28	28+	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	103		
211121	P028	113	SPIRE PSW Ch25-28	28-	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	113		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	128	SPIRE PSW Ch25-28	SHD28	SPCI	021SS-38	S131	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	058	SPIRE PSW Ch29-32	29+	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	058		
211121	P028	046	SPIRE PSW Ch29-32	29-	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	046		
211121	P028	128	SPIRE PSW Ch29-32	SHD29	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	068	SPIRE PSW Ch29-32	30+	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	068		
211121	P028	057	SPIRE PSW Ch29-32	30-	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	057		
211121	P028	128	SPIRE PSW Ch29-32	SHD30	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	069	SPIRE PSW Ch29-32	31+	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	069		
211121	P028	080	SPIRE PSW Ch29-32	31-	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	080		
211121	P028	128	SPIRE PSW Ch29-32	SHD31	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	070	SPIRE PSW Ch29-32	32+	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	070		
211121	P028	081	SPIRE PSW Ch29-32	32-	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	081		
211121	P028	128	SPIRE PSW Ch29-32	SHD32	SPCI	021SS-38	S132	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	128	SPIRE PLW B09 GND WIRE A2	-	SPX-	010B0-30	S492	HSSVMCB2	312200	J002	128		
211121	P028	-		-			-						
211121	P028	023	SPIRE PSW Ch33-36	33+	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	023		
211121	P028	034	SPIRE PSW Ch33-36	33-	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	034		
211121	P028	004	SPIRE PSW Ch33-36	SHD33	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	033	SPIRE PSW Ch33-36	34+	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	033		
211121	P028	045	SPIRE PSW Ch33-36	34-	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	045		
211121	P028	004	SPIRE PSW Ch33-36	SHD34	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	044	SPIRE PSW Ch33-36	35+	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	044		
211121	P028	056	SPIRE PSW Ch33-36	35-	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	056		
211121	P028	004	SPIRE PSW Ch33-36	SHD35	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	022	SPIRE PSW Ch33-36	36+	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	022		
211121	P028	032	SPIRE PSW Ch33-36	36-	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	032		
211121	P028	004	SPIRE PSW Ch33-36	SHD36	SPCI	021SS-38	S133	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	013	SPIRE PSW Ch37-40	37+	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	013		
211121	P028	012	SPIRE PSW Ch37-40	37-	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	012		
211121	P028	004	SPIRE PSW Ch37-40	SHD37	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	021	SPIRE PSW Ch37-40	38+	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	021		
211121	P028	020	SPIRE PSW Ch37-40	38-	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	020		
211121	P028	004	SPIRE PSW Ch37-40	SHD38	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	031	SPIRE PSW Ch37-40	39+	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	031		
211121	P028	043	SPIRE PSW Ch37-40	39-	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	043		
211121	P028	004	SPIRE PSW Ch37-40	SHD39	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	042	SPIRE PSW Ch37-40	40+	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	042		
211121	P028	054	SPIRE PSW Ch37-40	40-	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	054		
211121	P028	004	SPIRE PSW Ch37-40	SHD40	SPCI	021SS-38	S136	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	010	SPIRE PSW Ch41-44	41+	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	010		
211121	P028	011	SPIRE PSW Ch41-44	41-	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	011		
211121	P028	004	SPIRE PSW Ch41-44	SHD41	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	019	SPIRE PSW Ch41-44	42+	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	019		
211121	P028	029	SPIRE PSW Ch41-44	42-	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	029		
211121	P028	004	SPIRE PSW Ch41-44	SHD42	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	041	SPIRE PSW Ch41-44	43+	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	041		
211121	P028	030	SPIRE PSW Ch41-44	43-	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	030		
211121	P028	004	SPIRE PSW Ch41-44	SHD43	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	053	SPIRE PSW Ch41-44	44+	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	053		
211121	P028	052	SPIRE PSW Ch41-44	44-	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	052		
211121	P028	004	SPIRE PSW Ch41-44	SHD44	SPCI	021SS-38	S137	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	009	SPIRE PSW Ch45-48	45+	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	009		
211121	P028	017	SPIRE PSW Ch45-48	45-	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	017		
211121	P028	004	SPIRE PSW Ch45-48	SHD45	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	018	SPIRE PSW Ch45-48	46+	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	018		
211121	P028	028	SPIRE PSW Ch45-48	46-	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	028		
211121	P028	004	SPIRE PSW Ch45-48	SHD46	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	016	SPIRE PSW Ch45-48	47+	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	016		
211121	P028	027	SPIRE PSW Ch45-48	47-	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	027		
211121	P028	004	SPIRE PSW Ch45-48	SHD47	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	040	SPIRE PSW Ch45-48	48+	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	040		
211121	P028	039	SPIRE PSW Ch45-48	48-	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	039		
211121	P028	004	SPIRE PSW Ch45-48	SHD48	SPCI	021SS-38	S138	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	004	SPIRE PLW B09 GND WIRE A4	-	SPX-	010B0-30	S494	HSSVMCB2	312200	J002	004		
211121	P028	-		-			-						
211121	P028	047	SPIRE PLW B09 GND WIRE A3	-	SPX-	010B0-30	S493	HSSVMCB2	312200	J002	047		
211121	P028	-		-			-						
211121	P028	036		-			-						
211121	P028	004	to be con to pin 036 with 010SS-38	-			-						
211121	P028	047	to be con to pin 036 with 010SS-38	-			-						
211121	P028	128	to be con to pin 036 with 010SS-38	-			-						
211121	P028	-		-			-						
211121	P028	001	to be con as part of FCR	-			-						
211121	P028	002	to be con as part of FCR	-			-						
211121	P028	003	to be con as part of FCR	-			-						
211121	P028	005	to be con as part of FCR	-			-						
211121	P028	006	to be con as part of FCR	-			-						
211121	P028	007	to be con as part of FCR	-			-						
211121	P028	008	to be con as part of FCR	-			-						
211121	P028	014	to be con as part of FCR	-			-						
211121	P028	015	to be con as part of FCR	-			-						
211121	P028	024	to be con as part of FCR	-			-						
211121	P028	025	to be con as part of FCR	-			-						
211121	P028	035	to be con as part of FCR	-			-						
211121	P028	082	to be con as part of FCR	-			-						
211121	P028	093	to be con as part of FCR	-			-						
211121	P028	094	to be con as part of FCR	-			-						
211121	P028	104	to be con as part of FCR	-			-						
211121	P028	105	to be con as part of FCR	-			-						
211121	P028	114	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P028	115	to be con as part of FCR	-			-						
211121	P028	121	to be con as part of FCR	-			-						
211121	P028	122	to be con as part of FCR	-			-						
211121	P028	123	to be con as part of FCR	-			-						
211121	P028	124	to be con as part of FCR	-			-						
211121	P028	125	to be con as part of FCR	-			-						
211121	P028	126	to be con as part of FCR	-			-						
211121	P028	127	to be con as part of FCR	-			-						
211121	P028	-		-			-						
211121	P028	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P028	-		-			-						
211121	P028	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	051	SPIRE ChopSensor1&2(R)	1	SBA-	021SS-38	S313	HSSVMCB3	312300	J003	051		
211121	P029	040	SPIRE ChopSensor1&2(R)	2	SBA-	021SS-38	S313	HSSVMCB3	312300	J003	040		
211121	P029	039	SPIRE ChopSensor1&2(R)	SHD01	SBA-	021SS-38	S313	HSSVMCB3	312300	J003	039		
211121	P029	039	to be con to pin 038	-			-						
211121	P029	-		-			-						
211121	P029	028	SPIRE ChopSensor3-5(R)	3	SBB-	031BS-38	S314	HSSVMCB3	312300	J003	028		
211121	P029	017	SPIRE ChopSensor3-5(R)	4	SBB-	031BS-38	S314	HSSVMCB3	312300	J003	017		
211121	P029	016	SPIRE ChopSensor3-5(R)	5	SBB-	031BS-38	S314	HSSVMCB3	312300	J003	016		
211121	P029	027	SPIRE ChopSensor3-5(R)	SHD02	SBB-	031BS-38	S314	HSSVMCB3	312300	J003	027		
211121	P029	027	to be con to pin 038	-			-						
211121	P029	-		-			-						
211121	P029	049	SPIRE JiggleSensor1&2(R)	1	SBA-	021SS-38	S315	HSSVMCB3	312300	J003	049		
211121	P029	050	SPIRE JiggleSensor1&2(R)	2	SBA-	021SS-38	S315	HSSVMCB3	312300	J003	050		
211121	P029	038	SPIRE JiggleSensor1&2(R)	SHD03	SBA-	021SS-38	S315	HSSVMCB3	312300	J003	038		
211121	P029	-		-			-						
211121	P029	015	SPIRE JiggleSensor3-5(R)	3	SBB-	031BS-38	S316	HSSVMCB3	312300	J003	015		
211121	P029	025	SPIRE JiggleSensor3-5(R)	4	SBB-	031BS-38	S316	HSSVMCB3	312300	J003	025		
211121	P029	037	SPIRE JiggleSensor3-5(R)	5	SBB-	031BS-38	S316	HSSVMCB3	312300	J003	037		
211121	P029	026	SPIRE JiggleSensor3-5(R)	SHD04	SBB-	031BS-38	S316	HSSVMCB3	312300	J003	026		
211121	P029	026	to be con to pin 038	-			-						
211121	P029	-		-			-						
211121	P029	086	SPIRE BSMTemp(R)	I+	SBC-	041SS-38	S317	HSSVMCB3	312300	J003	086		
211121	P029	087	SPIRE BSMTemp(R)	I-	SBC-	041SS-38	S317	HSSVMCB3	312300	J003	087		
211121	P029	097	SPIRE BSMTemp(R)	V+	SBC-	041SS-38	S317	HSSVMCB3	312300	J003	097		
211121	P029	098	SPIRE BSMTemp(R)	V-	SBC-	041SS-38	S317	HSSVMCB3	312300	J003	098		
211121	P029	075	SPIRE BSMTemp(R)	SHD05	SBC-	041SS-38	S317	HSSVMCB3	312300	J003	075		
211121	P029	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	048	SPIRE P-Cal Htr (R)	I+A	SBD-	041BS-30	S318	HSSVMCB3	312300	J003	048		
211121	P029	071	SPIRE P-Cal Htr (R)	I+B	SBD-	041BS-30	S318	HSSVMCB3	312300	J003	071		
211121	P029	060	SPIRE P-Cal Htr (R)	I-A	SBD-	041BS-30	S318	HSSVMCB3	312300	J003	060		
211121	P029	059	SPIRE P-Cal Htr (R)	I-B	SBD-	041BS-30	S318	HSSVMCB3	312300	J003	059		
211121	P029	036	SPIRE P-Cal Htr (R)	SHD06	SBD-	041BS-30	S318	HSSVMCB3	312300	J003	036		
211121	P029	-		-			-						
211121	P029	108	SPIRE BSMLchLtchConf(R)	1	SBE-	021SS-38	S319	HSSVMCB3	312300	J003	108		
211121	P029	116	SPIRE BSMLchLtchConf(R)	2	SBE-	021SS-38	S319	HSSVMCB3	312300	J003	116		
211121	P029	107	SPIRE BSMLchLtchConf(R)	SHD07	SBE-	021SS-38	S319	HSSVMCB3	312300	J003	107		
211121	P029	-		-			-						
211121	P029	105	SPIRE BSMLatchDrive(R)	SUP	SBF-	021BS-30	S320	HSSVMCB3	312300	J003	105		
211121	P029	115	SPIRE BSMLatchDrive(R)	RTN	SBF-	021BS-30	S320	HSSVMCB3	312300	J003	115		
211121	P029	106	SPIRE BSMLatchDrive(R)	SHD08	SBF-	021BS-30	S320	HSSVMCB3	312300	J003	106		
211121	P029	-		-			-						
211121	P029	072	SPIRE ChopMotDrive(R)	1	SBG-	041BS-30	S321	HSSVMCB3	312300	J003	072		
211121	P029	061	SPIRE ChopMotDrive(R)	2	SBG-	041BS-30	S321	HSSVMCB3	312300	J003	061		
211121	P029	062	SPIRE ChopMotDrive(R)	3	SBG-	041BS-30	S321	HSSVMCB3	312300	J003	062		
211121	P029	074	SPIRE ChopMotDrive(R)	4	SBG-	041BS-30	S321	HSSVMCB3	312300	J003	074		
211121	P029	073	SPIRE ChopMotDrive(R)	SHD09	SBG-	041BS-30	S321	HSSVMCB3	312300	J003	073		
211121	P029	-		-			-						
211121	P029	083	SPIRE JiggleMotDrive(R)	1	SBG-	041BS-30	S322	HSSVMCB3	312300	J003	083		
211121	P029	095	SPIRE JiggleMotDrive(R)	2	SBG-	041BS-30	S322	HSSVMCB3	312300	J003	095		
211121	P029	096	SPIRE JiggleMotDrive(R)	3	SBG-	041BS-30	S322	HSSVMCB3	312300	J003	096		
211121	P029	085	SPIRE JiggleMotDrive(R)	4	SBG-	041BS-30	S322	HSSVMCB3	312300	J003	085		
211121	P029	084	SPIRE JiggleMotDrive(R)	SHD10	SBG-	041BS-30	S322	HSSVMCB3	312300	J003	084		
211121	P029	084	to be con to pin 073	-			-						
211121	P029	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	117	SPIRE SMECLL#1Conf(R)	1+	SME-	021BS-30	S323	HSSVMCB3	312300	J003	117		
211121	P029	118	SPIRE SMECLL#1Conf(R)	1-	SME-	021BS-30	S323	HSSVMCB3	312300	J003	118		
211121	P029	109	SPIRE SMECLL#1Conf(R)	SHD11	SME-	021BS-30	S323	HSSVMCB3	312300	J003	109		
211121	P029	-		-			-						
211121	P029	111	SPIRE SMECLL#2Conf(R)	2+	SME-	021BS-30	S324	HSSVMCB3	312300	J003	111		
211121	P029	119	SPIRE SMECLL#2Conf(R)	2-	SME-	021BS-30	S324	HSSVMCB3	312300	J003	119		
211121	P029	110	SPIRE SMECLL#2Conf(R)	SHD12	SME-	021BS-30	S324	HSSVMCB3	312300	J003	110		
211121	P029	110	to be con to pin 109	-			-						
211121	P029	-		-			-						
211121	P029	067	SPIRE SMECLL#1Pwr1/A(R)	S1	SMF-	021BS-30	S325	HSSVMCB3	312300	J003	067		
211121	P029	066	SPIRE SMECLL#1Pwr1/A(R)	R1	SMF-	021BS-30	S325	HSSVMCB3	312300	J003	066		
211121	P029	078	SPIRE SMECLL#1Pwr1/A(R)	SHD13	SMF-	021BS-30	S325	HSSVMCB3	312300	J003	078		
211121	P029	078	to be con to pin 080	-			-						
211121	P029	-		-			-						
211121	P029	069	SPIRE SMECLL#1Pwr2/B(R)	S2	SMF-	021BS-30	S326	HSSVMCB3	312300	J003	069		
211121	P029	068	SPIRE SMECLL#1Pwr2/B(R)	R2	SMF-	021BS-30	S326	HSSVMCB3	312300	J003	068		
211121	P029	080	SPIRE SMECLL#1Pwr2/B(R)	SHD14	SMF-	021BS-30	S326	HSSVMCB3	312300	J003	080		
211121	P029	-		-			-						
211121	P029	090	SPIRE SMECLL#2Pwr1/A(R)	S1	SMF-	021BS-30	S327	HSSVMCB3	312300	J003	090		
211121	P029	091	SPIRE SMECLL#2Pwr1/A(R)	R1	SMF-	021BS-30	S327	HSSVMCB3	312300	J003	091		
211121	P029	079	SPIRE SMECLL#2Pwr1/A(R)	SHD15	SMF-	021BS-30	S327	HSSVMCB3	312300	J003	079		
211121	P029	079	to be con to pin 080	-			-						
211121	P029	-		-			-						
211121	P029	092	SPIRE SMECLL#2Pwr2/B(R)	S2	SMF-	021BS-30	S328	HSSVMCB3	312300	J003	092		
211121	P029	093	SPIRE SMECLL#2Pwr2/B(R)	R2	SMF-	021BS-30	S328	HSSVMCB3	312300	J003	093		
211121	P029	081	SPIRE SMECLL#2Pwr2/B(R)	SHD16	SMF-	021BS-30	S328	HSSVMCB3	312300	J003	081		
211121	P029	081	to be con to pin 080	-			-						
211121	P029	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	088	SPIRE SMECTemp(R)	I+	SMC-	041SS-38	S329	HSSVMCB3	312300	J003	088		
211121	P029	089	SPIRE SMECTemp(R)	I-	SMC-	041SS-38	S329	HSSVMCB3	312300	J003	089		
211121	P029	099	SPIRE SMECTemp(R)	V+	SMC-	041SS-38	S329	HSSVMCB3	312300	J003	099		
211121	P029	100	SPIRE SMECTemp(R)	V-	SMC-	041SS-38	S329	HSSVMCB3	312300	J003	100		
211121	P029	077	SPIRE SMECTemp(R)	SHD17	SMC-	041SS-38	S329	HSSVMCB3	312300	J003	077		
211121	P029	-		-			-						
211121	P029	054	SPIRE SMEC/SOB I/FTmp(R) (#13)	I+	SMC-	041SS-38	S330	HSSVMCB3	312300	J003	054		
211121	P029	053	SPIRE SMEC/SOB I/FTmp(R) (#13)	I-	SMC-	041SS-38	S330	HSSVMCB3	312300	J003	053		
211121	P029	065	SPIRE SMEC/SOB I/FTmp(R) (#13)	V+	SMC-	041SS-38	S330	HSSVMCB3	312300	J003	065		
211121	P029	064	SPIRE SMEC/SOB I/FTmp(R) (#13)	V-	SMC-	041SS-38	S330	HSSVMCB3	312300	J003	064		
211121	P029	076	SPIRE SMEC/SOB I/FTmp(R) (#13)	SHD18	SMC-	041SS-38	S330	HSSVMCB3	312300	J003	076		
211121	P029	076	to be con to pin 077	-			-						
211121	P029	-		-			-						
211121	P029	101	SPIRE SMECLVDTPriCIPw(R)	P	SMA-	021BS-30	S331	HSSVMCB3	312300	J003	101		
211121	P029	102	SPIRE SMECLVDTPriCIPw(R)	N	SMA-	021BS-30	S331	HSSVMCB3	312300	J003	102		
211121	P029	112	SPIRE SMECLVDTPriCIPw(R)	SHD19	SMA-	021BS-30	S331	HSSVMCB3	312300	J003	112		
211121	P029	-		-			-						
211121	P029	127	SPIRE SMECLVDTSCL#1Sg(R)	P	SMB-	021BS-30	S332	HSSVMCB3	312300	J003	127		
211121	P029	120	SPIRE SMECLVDTSCL#1Sg(R)	N	SMB-	021BS-30	S332	HSSVMCB3	312300	J003	120		
211121	P029	128	SPIRE SMECLVDTSCL#1Sg(R)	SHD20	SMB-	021BS-30	S332	HSSVMCB3	312300	J003	128		
211121	P029	128	to be con to pin 112	-			-						
211121	P029	-		-			-						
211121	P029	114	SPIRE SMECLVDTSCL#2Sg(R)	P	SMB-	021BS-30	S333	HSSVMCB3	312300	J003	114		
211121	P029	113	SPIRE SMECLVDTSCL#2Sg(R)	N	SMB-	021BS-30	S333	HSSVMCB3	312300	J003	113		
211121	P029	121	SPIRE SMECLVDTSCL#2Sg(R)	SHD21	SMB-	021BS-30	S333	HSSVMCB3	312300	J003	121		
211121	P029	121	to be con to pin 112	-			-						
211121	P029	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	012	SPIRE SMEC Drv Coil (R)	I+	SMD-	021BS-30	S334	HSSVMCB3	312300	J003	012		
211121	P029	005	SPIRE SMEC Drv Coil (R)	I-	SMD-	021BS-30	S334	HSSVMCB3	312300	J003	005		
211121	P029	013	SPIRE SMEC Drv Coil (R)	SHD22	SMD-	021BS-30	S334	HSSVMCB3	312300	J003	013		
211121	P029	-		-			-						
211121	P029	022	SPIRE SMEC Drv Coil (Rob) (R)	I+	SMD-	021BS-30	S335	HSSVMCB3	312300	J003	022		
211121	P029	007	SPIRE SMEC Drv Coil (Rob) (R)	I-	SMD-	021BS-30	S335	HSSVMCB3	312300	J003	007		
211121	P029	013	SPIRE SMEC Drv Coil (Rob) (R)	SHD23	SMD-	021BS-30	S335	HSSVMCB3	312300	J003	013		
211121	P029	-		-			-						
211121	P029	014	SPIRE SMEC Drv Sense (R)	Sen+	SMG-	021BS-38	S336	HSSVMCB3	312300	J003	014		
211121	P029	024	SPIRE SMEC Drv Sense (R)	Sen-	SMG-	021BS-38	S336	HSSVMCB3	312300	J003	024		
211121	P029	023	SPIRE SMEC Drv Sense (R)	SHD24	SMG-	021BS-38	S336	HSSVMCB3	312300	J003	023		
211121	P029	-		-			-						
211121	P029	009	SPIRE SMEC PosSeLEDPwr(R)	S	SMH-	021BS-38	S337	HSSVMCB3	312300	J003	009		
211121	P029	002	SPIRE SMEC PosSeLEDPwr(R)	R	SMH-	021BS-38	S337	HSSVMCB3	312300	J003	002		
211121	P029	003	SPIRE SMEC PosSeLEDPwr(R)	SHD25	SMH-	021BS-38	S337	HSSVMCB3	312300	J003	003		
211121	P029	-		-			-						
211121	P029	011	SPIRE SMEC PosSensPwr(R)	S	SMH-	021BS-38	S338	HSSVMCB3	312300	J003	011		
211121	P029	004	SPIRE SMEC PosSensPwr(R)	R	SMH-	021BS-38	S338	HSSVMCB3	312300	J003	004		
211121	P029	010	SPIRE SMEC PosSensPwr(R)	SHD26	SMH-	021BS-38	S338	HSSVMCB3	312300	J003	010		
211121	P029	-		-			-						
211121	P029	018	SPIRE SMEC PosPhDi#1(R)	I+	SMJ-	021SS-38	S339	HSSVMCB3	312300	J003	018		
211121	P029	019	SPIRE SMEC PosPhDi#1(R)	I-	SMJ-	021SS-38	S339	HSSVMCB3	312300	J003	019		
211121	P029	029	SPIRE SMEC PosPhDi#1(R)	SHD27	SMJ-	021SS-38	S339	HSSVMCB3	312300	J003	029		
211121	P029	029	to be con to pin 030	-			-						
211121	P029	-		-			-						
211121	P029	056	SPIRE SMEC PosPhDi#1FB(R)	S	SMK-	021SS-38	S340	HSSVMCB3	312300	J003	056		
211121	P029	055	SPIRE SMEC PosPhDi#1FB(R)	R	SMK-	021SS-38	S340	HSSVMCB3	312300	J003	055		
211121	P029	044	SPIRE SMEC PosPhDi#1FB(R)	SHD28	SMK-	021SS-38	S340	HSSVMCB3	312300	J003	044		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	044	to be con to pin 045	-			-						
211121	P029	-		-			-						
211121	P029	042	SPIRE SMEC PosPhDi#2(R)	I+	SMJ-	021SS-38	S341	HSSVMCB3	312300	J003	042		
211121	P029	041	SPIRE SMEC PosPhDi#2(R)	I-	SMJ-	021SS-38	S341	HSSVMCB3	312300	J003	041		
211121	P029	030	SPIRE SMEC PosPhDi#2(R)	SHD29	SMJ-	021SS-38	S341	HSSVMCB3	312300	J003	030		
211121	P029	-		-			-						
211121	P029	034	SPIRE SMEC PosPhDi#2FB(R)	S	SMK-	021SS-38	S342	HSSVMCB3	312300	J003	034		
211121	P029	033	SPIRE SMEC PosPhDi#2FB(R)	R	SMK-	021SS-38	S342	HSSVMCB3	312300	J003	033		
211121	P029	045	SPIRE SMEC PosPhDi#2FB(R)	SHD30	SMK-	021SS-38	S342	HSSVMCB3	312300	J003	045		
211121	P029	-		-			-						
211121	P029	020	SPIRE SMEC PosPhDi#3(R)	I+	SMJ-	021SS-38	S343	HSSVMCB3	312300	J003	020		
211121	P029	021	SPIRE SMEC PosPhDi#3(R)	I-	SMJ-	021SS-38	S343	HSSVMCB3	312300	J003	021		
211121	P029	031	SPIRE SMEC PosPhDi#3(R)	SHD31	SMJ-	021SS-38	S343	HSSVMCB3	312300	J003	031		
211121	P029	031	to be con to pin 030	-			-						
211121	P029	-		-			-						
211121	P029	058	SPIRE SMEC PosPhDi#3FB(R)	S	SMK-	021SS-38	S344	HSSVMCB3	312300	J003	058		
211121	P029	057	SPIRE SMEC PosPhDi#3FB(R)	R	SMK-	021SS-38	S344	HSSVMCB3	312300	J003	057		
211121	P029	046	SPIRE SMEC PosPhDi#3FB(R)	SHD32	SMK-	021SS-38	S344	HSSVMCB3	312300	J003	046		
211121	P029	046	to be con to pin 045	-			-						
211121	P029	-		-			-						
211121	P029	001	to be con as part of FCR	-			-						
211121	P029	006	to be con as part of FCR	-			-						
211121	P029	008	to be con as part of FCR	-			-						
211121	P029	035	to be con as part of FCR	-			-						
211121	P029	047	to be con as part of FCR	-			-						
211121	P029	070	to be con as part of FCR	-			-						
211121	P029	082	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P029	094	to be con as part of FCR	-			-						
211121	P029	104	to be con as part of FCR	-			-						
211121	P029	107	to be con as part of FCR	-			-						
211121	P029	109	to be con as part of FCR	-			-						
211121	P029	110	to be con as part of FCR	-			-						
211121	P029	122	to be con as part of FCR	-			-						
211121	P029	123	to be con as part of FCR	-			-						
211121	P029	124	to be con as part of FCR	-			-						
211121	P029	125	to be con as part of FCR	-			-						
211121	P029	126	to be con as part of FCR	-			-						
211121	P029	-		-			-						
211121	P029	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P029	-		-			-						
211121	P029	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	051	SPIRE ChopSensor1&2(N)	1	SBA-	021SS-38	S041	HSSVMCB3	312300	J004	051		
211121	P030	040	SPIRE ChopSensor1&2(N)	2	SBA-	021SS-38	S041	HSSVMCB3	312300	J004	040		
211121	P030	039	SPIRE ChopSensor1&2(N)	SHD01	SBA-	021SS-38	S041	HSSVMCB3	312300	J004	039		
211121	P030	039	to be con to pin 038	-			-						
211121	P030	-		-			-						
211121	P030	028	SPIRE ChopSensor3-5(N)	3	SBB-	031BS-38	S043	HSSVMCB3	312300	J004	028		
211121	P030	017	SPIRE ChopSensor3-5(N)	4	SBB-	031BS-38	S043	HSSVMCB3	312300	J004	017		
211121	P030	016	SPIRE ChopSensor3-5(N)	5	SBB-	031BS-38	S043	HSSVMCB3	312300	J004	016		
211121	P030	027	SPIRE ChopSensor3-5(N)	SHD02	SBB-	031BS-38	S043	HSSVMCB3	312300	J004	027		
211121	P030	027	to be con to pin 038	-			-						
211121	P030	-		-			-						
211121	P030	049	SPIRE JiggleSensor1&2(N)	1	SBA-	021SS-38	S045	HSSVMCB3	312300	J004	049		
211121	P030	050	SPIRE JiggleSensor1&2(N)	2	SBA-	021SS-38	S045	HSSVMCB3	312300	J004	050		
211121	P030	038	SPIRE JiggleSensor1&2(N)	SHD03	SBA-	021SS-38	S045	HSSVMCB3	312300	J004	038		
211121	P030	-		-			-						
211121	P030	015	SPIRE JiggleSensor3-5(N)	3	SBB-	031BS-38	S048	HSSVMCB3	312300	J004	015		
211121	P030	025	SPIRE JiggleSensor3-5(N)	4	SBB-	031BS-38	S048	HSSVMCB3	312300	J004	025		
211121	P030	037	SPIRE JiggleSensor3-5(N)	5	SBB-	031BS-38	S048	HSSVMCB3	312300	J004	037		
211121	P030	026	SPIRE JiggleSensor3-5(N)	SHD04	SBB-	031BS-38	S048	HSSVMCB3	312300	J004	026		
211121	P030	026	to be con to pin 038	-			-						
211121	P030	-		-			-						
211121	P030	086	SPIRE BSMTemp(N)	I+	SBC-	041SS-38	S103	HSSVMCB3	312300	J004	086		
211121	P030	087	SPIRE BSMTemp(N)	I-	SBC-	041SS-38	S103	HSSVMCB3	312300	J004	087		
211121	P030	097	SPIRE BSMTemp(N)	V+	SBC-	041SS-38	S103	HSSVMCB3	312300	J004	097		
211121	P030	098	SPIRE BSMTemp(N)	V-	SBC-	041SS-38	S103	HSSVMCB3	312300	J004	098		
211121	P030	075	SPIRE BSMTemp(N)	SHD05	SBC-	041SS-38	S103	HSSVMCB3	312300	J004	075		
211121	P030	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	048	SPIRE P-Cal Htr(N)	I+A	SBD-	041BS-30	S260	HSSVMCB3	312300	J004	048		
211121	P030	071	SPIRE P-Cal Htr(N)	I+B	SBD-	041BS-30	S260	HSSVMCB3	312300	J004	071		
211121	P030	060	SPIRE P-Cal Htr(N)	I-A	SBD-	041BS-30	S260	HSSVMCB3	312300	J004	060		
211121	P030	059	SPIRE P-Cal Htr(N)	I-B	SBD-	041BS-30	S260	HSSVMCB3	312300	J004	059		
211121	P030	036	SPIRE P-Cal Htr(N)	SHD06	SBD-	041BS-30	S260	HSSVMCB3	312300	J004	036		
211121	P030	-		-			-						
211121	P030	108	SPIRE BSMLchLtchConf(N)	1	SBE-	021SS-38	S261	HSSVMCB3	312300	J004	108		
211121	P030	116	SPIRE BSMLchLtchConf(N)	2	SBE-	021SS-38	S261	HSSVMCB3	312300	J004	116		
211121	P030	107	SPIRE BSMLchLtchConf(N)	SHD07	SBE-	021SS-38	S261	HSSVMCB3	312300	J004	107		
211121	P030	-		-			-						
211121	P030	105	SPIRE BSMLatchDrive(N)	SUP	SBF-	021BS-30	S262	HSSVMCB3	312300	J004	105		
211121	P030	115	SPIRE BSMLatchDrive(N)	RTN	SBF-	021BS-30	S262	HSSVMCB3	312300	J004	115		
211121	P030	106	SPIRE BSMLatchDrive(N)	SHD08	SBF-	021BS-30	S262	HSSVMCB3	312300	J004	106		
211121	P030	-		-			-						
211121	P030	072	SPIRE ChopMotDrive(N)	1	SBG-	041BS-30	S263	HSSVMCB3	312300	J004	072		
211121	P030	061	SPIRE ChopMotDrive(N)	2	SBG-	041BS-30	S263	HSSVMCB3	312300	J004	061		
211121	P030	062	SPIRE ChopMotDrive(N)	3	SBG-	041BS-30	S263	HSSVMCB3	312300	J004	062		
211121	P030	074	SPIRE ChopMotDrive(N)	4	SBG-	041BS-30	S263	HSSVMCB3	312300	J004	074		
211121	P030	073	SPIRE ChopMotDrive(N)	SHD09	SBG-	041BS-30	S263	HSSVMCB3	312300	J004	073		
211121	P030	-		-			-						
211121	P030	083	SPIRE JiggleMotDrive(N)	1	SBG-	041BS-30	S264	HSSVMCB3	312300	J004	083		
211121	P030	095	SPIRE JiggleMotDrive(N)	2	SBG-	041BS-30	S264	HSSVMCB3	312300	J004	095		
211121	P030	096	SPIRE JiggleMotDrive(N)	3	SBG-	041BS-30	S264	HSSVMCB3	312300	J004	096		
211121	P030	085	SPIRE JiggleMotDrive(N)	4	SBG-	041BS-30	S264	HSSVMCB3	312300	J004	085		
211121	P030	084	SPIRE JiggleMotDrive(N)	SHD10	SBG-	041BS-30	S264	HSSVMCB3	312300	J004	084		
211121	P030	084	to be con to pin 073	-			-						
211121	P030	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	117	SPIRE SMECLL#1Conf(N)	1+	SME-	021BS-30	S265	HSSVMCB3	312300	J004	117		
211121	P030	118	SPIRE SMECLL#1Conf(N)	1-	SME-	021BS-30	S265	HSSVMCB3	312300	J004	118		
211121	P030	109	SPIRE SMECLL#1Conf(N)	SHD11	SME-	021BS-30	S265	HSSVMCB3	312300	J004	109		
211121	P030	-		-			-						
211121	P030	111	SPIRE SMECLL#2Conf(N)	2+	SME-	021BS-30	S266	HSSVMCB3	312300	J004	111		
211121	P030	119	SPIRE SMECLL#2Conf(N)	2-	SME-	021BS-30	S266	HSSVMCB3	312300	J004	119		
211121	P030	110	SPIRE SMECLL#2Conf(N)	SHD12	SME-	021BS-30	S266	HSSVMCB3	312300	J004	110		
211121	P030	110	to be con to pin 109	-			-						
211121	P030	-		-			-						
211121	P030	067	SPIRE SMECLL#1Pwr1/A(N)	S1	SMF-	021BS-30	S267	HSSVMCB3	312300	J004	067		
211121	P030	066	SPIRE SMECLL#1Pwr1/A(N)	R1	SMF-	021BS-30	S267	HSSVMCB3	312300	J004	066		
211121	P030	078	SPIRE SMECLL#1Pwr1/A(N)	SHD13	SMF-	021BS-30	S267	HSSVMCB3	312300	J004	078		
211121	P030	078	to be con to pin 080	-			-						
211121	P030	-		-			-						
211121	P030	069	SPIRE SMECLL#1Pwr2/B(N)	S2	SMF-	021BS-30	S268	HSSVMCB3	312300	J004	069		
211121	P030	068	SPIRE SMECLL#1Pwr2/B(N)	R2	SMF-	021BS-30	S268	HSSVMCB3	312300	J004	068		
211121	P030	080	SPIRE SMECLL#1Pwr2/B(N)	SHD14	SMF-	021BS-30	S268	HSSVMCB3	312300	J004	080		
211121	P030	-		-			-						
211121	P030	090	SPIRE SMECLL#2Pwr1/A(N)	S1	SMF-	021BS-30	S269	HSSVMCB3	312300	J004	090		
211121	P030	091	SPIRE SMECLL#2Pwr1/A(N)	R1	SMF-	021BS-30	S269	HSSVMCB3	312300	J004	091		
211121	P030	079	SPIRE SMECLL#2Pwr1/A(N)	SHD15	SMF-	021BS-30	S269	HSSVMCB3	312300	J004	079		
211121	P030	079	to be con to pin 080	-			-						
211121	P030	-		-			-						
211121	P030	092	SPIRE SMECLL#2Pwr2/B(N)	S2	SMF-	021BS-30	S270	HSSVMCB3	312300	J004	092		
211121	P030	093	SPIRE SMECLL#2Pwr2/B(N)	R2	SMF-	021BS-30	S270	HSSVMCB3	312300	J004	093		
211121	P030	081	SPIRE SMECLL#2Pwr2/B(N)	SHD16	SMF-	021BS-30	S270	HSSVMCB3	312300	J004	081		
211121	P030	081	to be con to pin 080	-			-						
211121	P030	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	088	SPIRE SMECTemp(N)	I+	SMC-	041SS-38	S271	HSSVMCB3	312300	J004	088		
211121	P030	089	SPIRE SMECTemp(N)	I-	SMC-	041SS-38	S271	HSSVMCB3	312300	J004	089		
211121	P030	099	SPIRE SMECTemp(N)	V+	SMC-	041SS-38	S271	HSSVMCB3	312300	J004	099		
211121	P030	100	SPIRE SMECTemp(N)	V-	SMC-	041SS-38	S271	HSSVMCB3	312300	J004	100		
211121	P030	077	SPIRE SMECTemp(N)	SHD17	SMC-	041SS-38	S271	HSSVMCB3	312300	J004	077		
211121	P030	-		-			-						
211121	P030	054	SPIRE SMEC/SOB I/FTmp(N)	I+	SMC-	041SS-38	S272	HSSVMCB3	312300	J004	054		
211121	P030	053	SPIRE SMEC/SOB I/FTmp(N)	I-	SMC-	041SS-38	S272	HSSVMCB3	312300	J004	053		
211121	P030	065	SPIRE SMEC/SOB I/FTmp(N)	V+	SMC-	041SS-38	S272	HSSVMCB3	312300	J004	065		
211121	P030	064	SPIRE SMEC/SOB I/FTmp(N)	V-	SMC-	041SS-38	S272	HSSVMCB3	312300	J004	064		
211121	P030	076	SPIRE SMEC/SOB I/FTmp(N)	SHD18	SMC-	041SS-38	S272	HSSVMCB3	312300	J004	076		
211121	P030	076	to be con to pin 077	-			-						
211121	P030	-		-			-						
211121	P030	101	SPIRE SMECLVDTPriCIPw(N)	P	SMA-	021BS-30	S273	HSSVMCB3	312300	J004	101		
211121	P030	102	SPIRE SMECLVDTPriCIPw(N)	N	SMA-	021BS-30	S273	HSSVMCB3	312300	J004	102		
211121	P030	112	SPIRE SMECLVDTPriCIPw(N)	SHD19	SMA-	021BS-30	S273	HSSVMCB3	312300	J004	112		
211121	P030	-		-			-						
211121	P030	127	SPIRE SMECLVDTSCL#1Sg(N)	P	SMB-	021BS-30	S274	HSSVMCB3	312300	J004	127		
211121	P030	120	SPIRE SMECLVDTSCL#1Sg(N)	N	SMB-	021BS-30	S274	HSSVMCB3	312300	J004	120		
211121	P030	128	SPIRE SMECLVDTSCL#1Sg(N)	SHD20	SMB-	021BS-30	S274	HSSVMCB3	312300	J004	128		
211121	P030	128	to be con to pin 112	-			-						
211121	P030	-		-			-						
211121	P030	114	SPIRE SMECLVDTSCL#2Sg(N)	P	SMB-	021BS-30	S275	HSSVMCB3	312300	J004	114		
211121	P030	113	SPIRE SMECLVDTSCL#2Sg(N)	N	SMB-	021BS-30	S275	HSSVMCB3	312300	J004	113		
211121	P030	121	SPIRE SMECLVDTSCL#2Sg(N)	SHD21	SMB-	021BS-30	S275	HSSVMCB3	312300	J004	121		
211121	P030	121	to be con to pin 112	-			-						
211121	P030	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	012	SPIRE SMEC Drv Coil (N)	I+	SMD-	021BS-30	S276	HSSVMCB3	312300	J004	012		
211121	P030	005	SPIRE SMEC Drv Coil (N)	I-	SMD-	021BS-30	S276	HSSVMCB3	312300	J004	005		
211121	P030	013	SPIRE SMEC Drv Coil (N)	SHD22	SMD-	021BS-30	S276	HSSVMCB3	312300	J004	013		
211121	P030	-		-			-						
211121	P030	022	SPIRE SMEC Drv Coil (Rob) (N)	I+	SMD-	021BS-30	S277	HSSVMCB3	312300	J004	022		
211121	P030	007	SPIRE SMEC Drv Coil (Rob) (N)	I-	SMD-	021BS-30	S277	HSSVMCB3	312300	J004	007		
211121	P030	013	SPIRE SMEC Drv Coil (Rob) (N)	SHD23	SMD-	021BS-30	S277	HSSVMCB3	312300	J004	013		
211121	P030	-		-			-						
211121	P030	014	SPIRE SMEC Drv Sense (N)	Sen+	SMG-	021BS-38	S278	HSSVMCB3	312300	J004	014		
211121	P030	024	SPIRE SMEC Drv Sense (N)	Sen-	SMG-	021BS-38	S278	HSSVMCB3	312300	J004	024		
211121	P030	023	SPIRE SMEC Drv Sense (N)	SHD24	SMG-	021BS-38	S278	HSSVMCB3	312300	J004	023		
211121	P030	-		-			-						
211121	P030	009	SPIRE SMEC PosSeLEDPwr(N)	S	SMH-	021BS-38	S279	HSSVMCB3	312300	J004	009		
211121	P030	002	SPIRE SMEC PosSeLEDPwr(N)	R	SMH-	021BS-38	S279	HSSVMCB3	312300	J004	002		
211121	P030	003	SPIRE SMEC PosSeLEDPwr(N)	SHD25	SMH-	021BS-38	S279	HSSVMCB3	312300	J004	003		
211121	P030	-		-			-						
211121	P030	011	SPIRE SMEC PosSensPwr(N)	S	SMH-	021BS-38	S280	HSSVMCB3	312300	J004	011		
211121	P030	004	SPIRE SMEC PosSensPwr(N)	R	SMH-	021BS-38	S280	HSSVMCB3	312300	J004	004		
211121	P030	010	SPIRE SMEC PosSensPwr(N)	SHD26	SMH-	021BS-38	S280	HSSVMCB3	312300	J004	010		
211121	P030	-		-			-						
211121	P030	018	SPIRE SMEC PosPhDi#1(N)	I+	SMJ-	021SS-38	S281	HSSVMCB3	312300	J004	018		
211121	P030	019	SPIRE SMEC PosPhDi#1(N)	I-	SMJ-	021SS-38	S281	HSSVMCB3	312300	J004	019		
211121	P030	029	SPIRE SMEC PosPhDi#1(N)	SHD27	SMJ-	021SS-38	S281	HSSVMCB3	312300	J004	029		
211121	P030	029	to be con to pin 030	-			-						
211121	P030	-		-			-						
211121	P030	056	SPIRE SMEC PosPhDi#1FB(N)	S	SMK-	021SS-38	S282	HSSVMCB3	312300	J004	056		
211121	P030	055	SPIRE SMEC PosPhDi#1FB(N)	R	SMK-	021SS-38	S282	HSSVMCB3	312300	J004	055		
211121	P030	044	SPIRE SMEC PosPhDi#1FB(N)	SHD28	SMK-	021SS-38	S282	HSSVMCB3	312300	J004	044		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	044	to be con to pin 045	-			-						
211121	P030	-		-			-						
211121	P030	042	SPIRE SMEC PosPhDi#2(N)	I+	SMJ-	021SS-38	S283	HSSVMCB3	312300	J004	042		
211121	P030	041	SPIRE SMEC PosPhDi#2(N)	I-	SMJ-	021SS-38	S283	HSSVMCB3	312300	J004	041		
211121	P030	030	SPIRE SMEC PosPhDi#2(N)	SHD29	SMJ-	021SS-38	S283	HSSVMCB3	312300	J004	030		
211121	P030	-		-			-						
211121	P030	034	SPIRE SMEC PosPhDi#2FB(N)	S	SMK-	021SS-38	S284	HSSVMCB3	312300	J004	034		
211121	P030	033	SPIRE SMEC PosPhDi#2FB(N)	R	SMK-	021SS-38	S284	HSSVMCB3	312300	J004	033		
211121	P030	045	SPIRE SMEC PosPhDi#2FB(N)	SHD30	SMK-	021SS-38	S284	HSSVMCB3	312300	J004	045		
211121	P030	-		-			-						
211121	P030	020	SPIRE SMEC PosPhDi#3(N)	I+	SMJ-	021SS-38	S285	HSSVMCB3	312300	J004	020		
211121	P030	021	SPIRE SMEC PosPhDi#3(N)	I-	SMJ-	021SS-38	S285	HSSVMCB3	312300	J004	021		
211121	P030	031	SPIRE SMEC PosPhDi#3(N)	SHD31	SMJ-	021SS-38	S285	HSSVMCB3	312300	J004	031		
211121	P030	031	to be con to pin 030	-			-						
211121	P030	-		-			-						
211121	P030	058	SPIRE SMEC PosPhDi#3FB(N)	S	SMK-	021SS-38	S286	HSSVMCB3	312300	J004	058		
211121	P030	057	SPIRE SMEC PosPhDi#3FB(N)	R	SMK-	021SS-38	S286	HSSVMCB3	312300	J004	057		
211121	P030	046	SPIRE SMEC PosPhDi#3FB(N)	SHD32	SMK-	021SS-38	S286	HSSVMCB3	312300	J004	046		
211121	P030	046	to be con to pin 045	-			-						
211121	P030	-		-			-						
211121	P030	001	to be con as part of FCR	-			-						
211121	P030	006	to be con as part of FCR	-			-						
211121	P030	008	to be con as part of FCR	-			-						
211121	P030	035	to be con as part of FCR	-			-						
211121	P030	047	to be con as part of FCR	-			-						
211121	P030	070	to be con as part of FCR	-			-						
211121	P030	082	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P030	094	to be con as part of FCR	-			-						
211121	P030	104	to be con as part of FCR	-			-						
211121	P030	107	to be con as part of FCR	-			-						
211121	P030	109	to be con as part of FCR	-			-						
211121	P030	110	to be con as part of FCR	-			-						
211121	P030	122	to be con as part of FCR	-			-						
211121	P030	123	to be con as part of FCR	-			-						
211121	P030	124	to be con as part of FCR	-			-						
211121	P030	125	to be con as part of FCR	-			-						
211121	P030	126	to be con as part of FCR	-			-						
211121	P030	-		-			-						
211121	P030	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P030	-		-			-						
211121	P030	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:		SPIRE:			ESA:						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	090	SPIRE SSW Ch01-04	1+	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	090		
211121	P031	079	SPIRE SSW Ch01-04	1-	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	079		
211121	P031	047	SPIRE SSW Ch01-04	SHD01	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	102	SPIRE SSW Ch01-04	2+	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	102		
211121	P031	101	SPIRE SSW Ch01-04	2-	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	101		
211121	P031	047	SPIRE SSW Ch01-04	SHD02	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	092	SPIRE SSW Ch01-04	3+	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	092		
211121	P031	091	SPIRE SSW Ch01-04	3-	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	091		
211121	P031	047	SPIRE SSW Ch01-04	SHD03	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	103	SPIRE SSW Ch01-04	4+	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	103		
211121	P031	113	SPIRE SSW Ch01-04	4-	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	113		
211121	P031	047	SPIRE SSW Ch01-04	SHD04	SSAI	021SS-38	S051	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	058	SPIRE SSW Ch05-08	5+	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	058		
211121	P031	046	SPIRE SSW Ch05-08	5-	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	046		
211121	P031	047	SPIRE SSW Ch05-08	SHD05	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	068	SPIRE SSW Ch05-08	6+	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	068		
211121	P031	057	SPIRE SSW Ch05-08	6-	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	057		
211121	P031	047	SPIRE SSW Ch05-08	SHD06	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	069	SPIRE SSW Ch05-08	7+	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	069		
211121	P031	080	SPIRE SSW Ch05-08	7-	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	080		
211121	P031	047	SPIRE SSW Ch05-08	SHD07	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	070	SPIRE SSW Ch05-08	8+	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	070		
211121	P031	081	SPIRE SSW Ch05-08	8-	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	081		
211121	P031	047	SPIRE SSW Ch05-08	SHD08	SSAI	021SS-38	S052	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	023	SPIRE SSW Ch09-12	9+	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	023		
211121	P031	034	SPIRE SSW Ch09-12	9-	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	034		
211121	P031	047	SPIRE SSW Ch09-12	SHD09	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	033	SPIRE SSW Ch09-12	10+	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	033		
211121	P031	045	SPIRE SSW Ch09-12	10-	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	045		
211121	P031	047	SPIRE SSW Ch09-12	SHD10	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	044	SPIRE SSW Ch09-12	11+	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	044		
211121	P031	056	SPIRE SSW Ch09-12	11-	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	056		
211121	P031	047	SPIRE SSW Ch09-12	SHD11	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	022	SPIRE SSW Ch09-12	12+	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	022		
211121	P031	032	SPIRE SSW Ch09-12	12-	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	032		
211121	P031	047	SPIRE SSW Ch09-12	SHD12	SSAI	021SS-38	S054	HSSVMCB2	312200	J005	047		
211121	P031	-		-			-						
211121	P031	086	SPIRE SSW Ch13-16	13+	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	086		
211121	P031	087	SPIRE SSW Ch13-16	13-	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	087		
211121	P031	128	SPIRE SSW Ch13-16	SHD13	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	097	SPIRE SSW Ch13-16	14+	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	097		
211121	P031	098	SPIRE SSW Ch13-16	14-	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	098		
211121	P031	128	SPIRE SSW Ch13-16	SHD14	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	108	SPIRE SSW Ch13-16	15+	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	108		
211121	P031	109	SPIRE SSW Ch13-16	15-	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	109		
211121	P031	128	SPIRE SSW Ch13-16	SHD15	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	116	SPIRE SSW Ch13-16	16+	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	116		
211121	P031	117	SPIRE SSW Ch13-16	16-	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	117		
211121	P031	128	SPIRE SSW Ch13-16	SHD16	SSAI	021SS-38	S055	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	055	SPIRE SSW Ch17-20	17+	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	055		
211121	P031	066	SPIRE SSW Ch17-20	17-	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	066		
211121	P031	128	SPIRE SSW Ch17-20	SHD17	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	067	SPIRE SSW Ch17-20	18+	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	067		
211121	P031	078	SPIRE SSW Ch17-20	18-	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	078		
211121	P031	128	SPIRE SSW Ch17-20	SHD18	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	076	SPIRE SSW Ch17-20	19+	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	076		
211121	P031	077	SPIRE SSW Ch17-20	19-	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	077		
211121	P031	128	SPIRE SSW Ch17-20	SHD19	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	088	SPIRE SSW Ch17-20	20+	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	088		
211121	P031	089	SPIRE SSW Ch17-20	20-	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	089		
211121	P031	128	SPIRE SSW Ch17-20	SHD20	SSAI	021SS-38	S056	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	099	SPIRE SSW Ch21-24	21+	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	099		
211121	P031	100	SPIRE SSW Ch21-24	21-	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	100		
211121	P031	128	SPIRE SSW Ch21-24	SHD21	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	110	SPIRE SSW Ch21-24	22+	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	110		
211121	P031	111	SPIRE SSW Ch21-24	22-	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	111		
211121	P031	128	SPIRE SSW Ch21-24	SHD22	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	118	SPIRE SSW Ch21-24	23+	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	118		
211121	P031	119	SPIRE SSW Ch21-24	23-	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	119		
211121	P031	128	SPIRE SSW Ch21-24	SHD23	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	112	SPIRE SSW Ch21-24	24+	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	112		
211121	P031	120	SPIRE SSW Ch21-24	24-	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	120		
211121	P031	128	SPIRE SSW Ch21-24	SHD24	SSAI	021SS-38	S058	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	128	SPIRE B02 GND Wire A2	-	SSX-	010B0-30	S422	HSSVMCB2	312200	J005	128		
211121	P031	-		-			-						
211121	P031	013	SPIRE SSW Ch25-28	25+	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	013		
211121	P031	012	SPIRE SSW Ch25-28	25-	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	012		
211121	P031	005	SPIRE SSW Ch25-28	SHD25	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	021	SPIRE SSW Ch25-28	26+	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	021		
211121	P031	020	SPIRE SSW Ch25-28	26-	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	020		
211121	P031	005	SPIRE SSW Ch25-28	SHD26	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	031	SPIRE SSW Ch25-28	27+	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	031		
211121	P031	043	SPIRE SSW Ch25-28	27-	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	043		
211121	P031	005	SPIRE SSW Ch25-28	SHD27	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	042	SPIRE SSW Ch25-28	28+	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	042		
211121	P031	054	SPIRE SSW Ch25-28	28-	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	054		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	005	SPIRE SSW Ch25-28	SHD28	SSAI	021SS-38	S059	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	010	SPIRE SSW Ch29-32	29+	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	010		
211121	P031	011	SPIRE SSW Ch29-32	29-	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	011		
211121	P031	005	SPIRE SSW Ch29-32	SHD29	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	019	SPIRE SSW Ch29-32	30+	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	019		
211121	P031	029	SPIRE SSW Ch29-32	30-	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	029		
211121	P031	005	SPIRE SSW Ch29-32	SHD30	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	041	SPIRE SSW Ch29-32	31+	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	041		
211121	P031	030	SPIRE SSW Ch29-32	31-	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	030		
211121	P031	005	SPIRE SSW Ch29-32	SHD31	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	053	SPIRE SSW Ch29-32	32+	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	053		
211121	P031	052	SPIRE SSW Ch29-32	32-	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	052		
211121	P031	005	SPIRE SSW Ch29-32	SHD32	SSAI	021SS-38	S060	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	009	SPIRE SSW Ch33-36	33+	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	009		
211121	P031	017	SPIRE SSW Ch33-36	33-	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	017		
211121	P031	005	SPIRE SSW Ch33-36	SHD33	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	018	SPIRE SSW Ch33-36	34+	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	018		
211121	P031	028	SPIRE SSW Ch33-36	34-	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	028		
211121	P031	005	SPIRE SSW Ch33-36	SHD34	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	016	SPIRE SSW Ch33-36	35+	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	016		
211121	P031	027	SPIRE SSW Ch33-36	35-	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	027		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	005	SPIRE SSW Ch33-36	SHD35	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	040	SPIRE SSW Ch33-36	36+	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	040		
211121	P031	039	SPIRE SSW Ch33-36	36-	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	039		
211121	P031	005	SPIRE SSW Ch33-36	SHD36	SSAI	021SS-38	S062	HSSVMCB2	312200	J005	005		
211121	P031	-		-			-						
211121	P031	026	SPIRE SSW Ch37-40	37+	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	026		
211121	P031	037	SPIRE SSW Ch37-40	37-	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	037		
211121	P031	036	SPIRE SSW Ch37-40	SHD37	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	038	SPIRE SSW Ch37-40	38+	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	038		
211121	P031	049	SPIRE SSW Ch37-40	38-	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	049		
211121	P031	036	SPIRE SSW Ch37-40	SHD38	SSAI	021SS-38	S063	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	048	SPIRE SSW Ch41-42	39+	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	048		
211121	P031	060	SPIRE SSW Ch41-42	39-	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	060		
211121	P031	036	SPIRE SSW Ch41-42	SHD39	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	059	SPIRE SSW Ch41-42	40+	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	059		
211121	P031	071	SPIRE SSW Ch41-42	40-	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	071		
211121	P031	036	SPIRE SSW Ch41-42	SHD40	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	050	SPIRE SSW Ch41-42	41+	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	050		
211121	P031	061	SPIRE SSW Ch41-42	41-	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	061		
211121	P031	036	SPIRE SSW Ch41-42	SHD41	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	062	SPIRE SSW Ch41-42	42+	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	062		
211121	P031	051	SPIRE SSW Ch41-42	42-	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	051		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	036	SPIRE SSW Ch41-42	SHD42	SSAI	021SS-38	S064	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	036	SPIRE B02 GND Wire A3	-	SSX-	010B0-30	S423	HSSVMCB2	312200	J005	036		
211121	P031	-		-			-						
211121	P031	095	SPIRE SSW PTC Ch's	1+	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	095		
211121	P031	084	SPIRE SSW PTC Ch's	1-	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	084		
211121	P031	082	SPIRE SSW PTC Ch's	SHD43	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	082		
211121	P031	-		-			-						
211121	P031	096	SPIRE SSW PTC Ch's	2+	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	096		
211121	P031	085	SPIRE SSW PTC Ch's	2-	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	085		
211121	P031	082	SPIRE SSW PTC Ch's	SHD44	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	082		
211121	P031	-		-			-						
211121	P031	106	SPIRE SSW PTC Ch's	3+	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	106		
211121	P031	107	SPIRE SSW PTC Ch's	3-	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	107		
211121	P031	082	SPIRE SSW PTC Ch's	SHD45	S3DI	021SS-38	S053	HSSVMCB2	312200	J005	082		
211121	P031	-		-			-						
211121	P031	083	SPIRE SSW PTC (5MOhm)	Res+	S3DI	021SS-38	S248	HSSVMCB2	312200	J005	083		
211121	P031	072	SPIRE SSW PTC (5MOhm)	Res-	S3DI	021SS-38	S248	HSSVMCB2	312200	J005	072		
211121	P031	082	SPIRE SSW PTC (5MOhm)	SHD46	S3DI	021SS-38	S248	HSSVMCB2	312200	J005	082		
211121	P031	-		-			-						
211121	P031	001	to be con as part of FCR	-			-						
211121	P031	002	to be con as part of FCR	-			-						
211121	P031	003	to be con as part of FCR	-			-						
211121	P031	006	to be con as part of FCR	-			-						
211121	P031	007	to be con as part of FCR	-			-						
211121	P031	008	to be con as part of FCR	-			-						
211121	P031	014	to be con as part of FCR	-			-						
211121	P031	015	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P031	024	to be con as part of FCR	-			-						
211121	P031	025	to be con as part of FCR	-			-						
211121	P031	035	to be con as part of FCR	-			-						
211121	P031	093	to be con as part of FCR	-			-						
211121	P031	094	to be con as part of FCR	-			-						
211121	P031	104	to be con as part of FCR	-			-						
211121	P031	105	to be con as part of FCR	-			-						
211121	P031	114	to be con as part of FCR	-			-						
211121	P031	115	to be con as part of FCR	-			-						
211121	P031	121	to be con as part of FCR	-			-						
211121	P031	122	to be con as part of FCR	-			-						
211121	P031	123	to be con as part of FCR	-			-						
211121	P031	124	to be con as part of FCR	-			-						
211121	P031	125	to be con as part of FCR	-			-						
211121	P031	126	to be con as part of FCR	-			-						
211121	P031	127	to be con as part of FCR	-			-						
211121	P031	-		-			-						
211121	P031	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P031	-		-			-						
211121	P031	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:		Name:			SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	026	SPIRE SLW Ch01-04	1+	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	026		
211121	P032	037	SPIRE SLW Ch01-04	1-	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	037		
211121	P032	115	SPIRE SLW Ch01-04	SHD01	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	038	SPIRE SLW Ch01-04	2+	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	038		
211121	P032	049	SPIRE SLW Ch01-04	2-	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	049		
211121	P032	115	SPIRE SLW Ch01-04	SHD02	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	048	SPIRE SLW Ch01-04	3+	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	048		
211121	P032	060	SPIRE SLW Ch01-04	3-	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	060		
211121	P032	115	SPIRE SLW Ch01-04	SHD03	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	059	SPIRE SLW Ch01-04	4+	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	059		
211121	P032	071	SPIRE SLW Ch01-04	4-	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	071		
211121	P032	115	SPIRE SLW Ch01-04	SHD04	SSBI	021SS-38	S001	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	050	SPIRE SLW Ch05-08	5+	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	050		
211121	P032	061	SPIRE SLW Ch05-08	5-	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	061		
211121	P032	115	SPIRE SLW Ch05-08	SHD05	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	062	SPIRE SLW Ch05-08	6+	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	062		
211121	P032	051	SPIRE SLW Ch05-08	6-	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	051		
211121	P032	115	SPIRE SLW Ch05-08	SHD06	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	063	SPIRE SLW Ch05-08	7+	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	063		
211121	P032	075	SPIRE SLW Ch05-08	7-	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	075		
211121	P032	115	SPIRE SLW Ch05-08	SHD07	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	074	SPIRE SLW Ch05-08	8+	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	074		
211121	P032	073	SPIRE SLW Ch05-08	8-	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	073		
211121	P032	115	SPIRE SLW Ch05-08	SHD08	SSBI	021SS-38	S002	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	083	SPIRE SLW Ch09-12	9+	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	083		
211121	P032	072	SPIRE SLW Ch09-12	9-	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	072		
211121	P032	115	SPIRE SLW Ch09-12	SHD09	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	095	SPIRE SLW Ch09-12	10+	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	095		
211121	P032	084	SPIRE SLW Ch09-12	10-	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	084		
211121	P032	115	SPIRE SLW Ch09-12	SHD10	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	096	SPIRE SLW Ch09-12	11+	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	096		
211121	P032	085	SPIRE SLW Ch09-12	11-	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	085		
211121	P032	115	SPIRE SLW Ch09-12	SHD11	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	106	SPIRE SLW Ch09-12	12+	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	106		
211121	P032	107	SPIRE SLW Ch09-12	12-	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	107		
211121	P032	115	SPIRE SLW Ch09-12	SHD12	SSBI	021SS-38	S003	HSSVMCB2	312200	J006	115		
211121	P032	-		-			-						
211121	P032	086	SPIRE SLW Ch13-16	13+	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	086		
211121	P032	087	SPIRE SLW Ch13-16	13-	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	087		
211121	P032	122	SPIRE SLW Ch13-16	SHD13	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	097	SPIRE SLW Ch13-16	14+	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	097		
211121	P032	098	SPIRE SLW Ch13-16	14-	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	098		
211121	P032	122	SPIRE SLW Ch13-16	SHD14	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	108	SPIRE SLW Ch13-16	15+	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	108		
211121	P032	109	SPIRE SLW Ch13-16	15-	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	109		
211121	P032	122	SPIRE SLW Ch13-16	SHD15	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	116	SPIRE SLW Ch13-16	16+	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	116		
211121	P032	117	SPIRE SLW Ch13-16	16-	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	117		
211121	P032	122	SPIRE SLW Ch13-16	SHD16	SSBI	021SS-38	S004	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	055	SPIRE SLW Ch17-20	17+	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	055		
211121	P032	066	SPIRE SLW Ch17-20	17-	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	066		
211121	P032	122	SPIRE SLW Ch17-20	SHD17	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	067	SPIRE SLW Ch17-20	18+	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	067		
211121	P032	078	SPIRE SLW Ch17-20	18-	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	078		
211121	P032	122	SPIRE SLW Ch17-20	SHD18	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	076	SPIRE SLW Ch17-20	19+	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	076		
211121	P032	077	SPIRE SLW Ch17-20	19-	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	077		
211121	P032	122	SPIRE SLW Ch17-20	SHD19	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	088	SPIRE SLW Ch17-20	20+	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	088		
211121	P032	089	SPIRE SLW Ch17-20	20-	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	089		
211121	P032	122	SPIRE SLW Ch17-20	SHD20	SSBI	021SS-38	S005	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	099	SPIRE SLW Ch21-24	21+	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	099		
211121	P032	100	SPIRE SLW Ch21-24	21-	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	100		
211121	P032	122	SPIRE SLW Ch21-24	SHD21	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	110	SPIRE SLW Ch21-24	22+	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	110		
211121	P032	111	SPIRE SLW Ch21-24	22-	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	111		
211121	P032	122	SPIRE SLW Ch21-24	SHD22	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	118	SPIRE SLW Ch21-24	23+	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	118		
211121	P032	119	SPIRE SLW Ch21-24	23-	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	119		
211121	P032	122	SPIRE SLW Ch21-24	SHD23	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	112	SPIRE SLW Ch21-24	24+	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	112		
211121	P032	120	SPIRE SLW Ch21-24	24-	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	120		
211121	P032	122	SPIRE SLW Ch21-24	SHD24	SSBI	021SS-38	S006	HSSVMCB2	312200	J006	122		
211121	P032	-		-			-						
211121	P032	122	SPIRE SLW GND Wire A2	-	SSX-	010B0-30	S402	HSSVMCB2	312200	J006	122		
211121	P032	122	to be con to pin 115	-			-						
211121	P032	-		-			-						
211121	P032	007	SPIRE PTC TC Bias A	+ve	S3AI	021BS-38	S009	HSSVMCB2	312200	J006	007		
211121	P032	014	SPIRE PTC TC Bias A	-ve	S3AI	021BS-38	S009	HSSVMCB2	312200	J006	014		
211121	P032	046	SPIRE PTC TC Bias A	SHD25	S3AI	021BS-38	S009	HSSVMCB2	312200	J006	046		
211121	P032	-		-			-						
211121	P032	024	SPIRE PTC JFETV Bias A	+ve	S3CI	021BS-38	S010	HSSVMCB2	312200	J006	024		
211121	P032	035	SPIRE PTC JFETV Bias A	-ve	S3CI	021BS-38	S010	HSSVMCB2	312200	J006	035		
211121	P032	046	SPIRE PTC JFETV Bias A	SHD26	S3CI	021BS-38	S010	HSSVMCB2	312200	J006	046		
211121	P032	-		-			-						
211121	P032	046	SPIRE PTC GND WIRE A3	-	SSX-	010B0-30	S403	HSSVMCB2	312200	J006	046		
211121	P032	-		-			-						
211121	P032	121	SPIRE SLW Bias A1	+ve	SSDI	021BS-38	S025	HSSVMCB2	312200	J006	121		
211121	P032	114	SPIRE SLW Bias A1	-ve	SSDI	021BS-38	S025	HSSVMCB2	312200	J006	114		
211121	P032	104	SPIRE SLW Bias A1	SHD27	SSDI	021BS-38	S025	HSSVMCB2	312200	J006	104		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	-		-			-						
211121	P032	102	SPIRE SLW Bias A2	+ve	SSDI	021BS-38	S026	HSSVMCB2	312200	J006	102		
211121	P032	101	SPIRE SLW Bias A2	-ve	SSDI	021BS-38	S026	HSSVMCB2	312200	J006	101		
211121	P032	104	SPIRE SLW Bias A2	SHD28	SSDI	021BS-38	S026	HSSVMCB2	312200	J006	104		
211121	P032	-		-			-						
211121	P032	092	SPIRE SLW JFETV A1	+ve	SSFI	021BS-38	S011	HSSVMCB2	312200	J006	092		
211121	P032	091	SPIRE SLW JFETV A1	-ve	SSFI	021BS-38	S011	HSSVMCB2	312200	J006	091		
211121	P032	104	SPIRE SLW JFETV A1	SHD29	SSFI	021BS-38	S011	HSSVMCB2	312200	J006	104		
211121	P032	-		-			-						
211121	P032	103	SPIRE SLW JFETV A2	+ve	SSFI	021BS-38	S012	HSSVMCB2	312200	J006	103		
211121	P032	113	SPIRE SLW JFETV A2	-ve	SSFI	021BS-38	S012	HSSVMCB2	312200	J006	113		
211121	P032	104	SPIRE SLW JFETV A2	SHD30	SSFI	021BS-38	S012	HSSVMCB2	312200	J006	104		
211121	P032	-		-			-						
211121	P032	104	SPIRE SLW GND WIRE B3	-	SSX-	010B0-30	S405	HSSVMCB2	312200	J006	104		
211121	P032	-		-			-						
211121	P032	090	SPIRE SSW Bias A1	+ve	SSCI	021BS-38	S029	HSSVMCB2	312200	J006	090		
211121	P032	079	SPIRE SSW Bias A1	-ve	SSCI	021BS-38	S029	HSSVMCB2	312200	J006	079		
211121	P032	093	SPIRE SSW Bias A1	SHD31	SSCI	021BS-38	S029	HSSVMCB2	312200	J006	093		
211121	P032	-		-			-						
211121	P032	068	SPIRE SSW JFETV A1	+ve	SSEI	021BS-38	S016	HSSVMCB2	312200	J006	068		
211121	P032	057	SPIRE SSW JFETV A1	-ve	SSEI	021BS-38	S016	HSSVMCB2	312200	J006	057		
211121	P032	093	SPIRE SSW JFETV A1	SHD32	SSEI	021BS-38	S016	HSSVMCB2	312200	J006	093		
211121	P032	-		-			-						
211121	P032	069	SPIRE SSW Bias A2	+ve	SSCI	021BS-38	S031	HSSVMCB2	312200	J006	069		
211121	P032	080	SPIRE SSW Bias A2	-ve	SSCI	021BS-38	S031	HSSVMCB2	312200	J006	080		
211121	P032	093	SPIRE SSW Bias A2	SHD33	SSCI	021BS-38	S031	HSSVMCB2	312200	J006	093		
211121	P032	-		-			-						
211121	P032	070	SPIRE SSW JFETV A2	+ve	SSEI	021BS-38	S017	HSSVMCB2	312200	J006	070		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	081	SPIRE SSW JFETV A2	-ve	SSEI	021BS-38	S017	HSSVMCB2	312200	J006	081		
211121	P032	093	SPIRE SSW JFETV A2	SHD34	SSEI	021BS-38	S017	HSSVMCB2	312200	J006	093		
211121	P032	-		-			-						
211121	P032	093	SPIRE SSW GND Wire C3	-	SSX-	010B0-30	S406	HSSVMCB2	312200	J006	093		
211121	P032	-		-			-						
211121	P032	023	SPIRE SLW JFET Htr A	+ve	SSH-	021BS-38	S033	HSSVMCB2	312200	J006	023		
211121	P032	034	SPIRE SLW JFET Htr A	-ve	SSH-	021BS-38	S033	HSSVMCB2	312200	J006	034		
211121	P032	022	SPIRE SLW JFET Htr A	SHD35	SSH-	021BS-38	S033	HSSVMCB2	312200	J006	022		
211121	P032	-		-			-						
211121	P032	033	SPIRE SSW JFET Htr A	+ve	SSG-	021BS-38	S034	HSSVMCB2	312200	J006	033		
211121	P032	045	SPIRE SSW JFET Htr A	-ve	SSG-	021BS-38	S034	HSSVMCB2	312200	J006	045		
211121	P032	022	SPIRE SSW JFET Htr A	SHD36	SSG-	021BS-38	S034	HSSVMCB2	312200	J006	022		
211121	P032	-		-			-						
211121	P032	044	SPIRE PTC JFET Htr A	+ve	S3B-	021BS-38	S019	HSSVMCB2	312200	J006	044		
211121	P032	056	SPIRE PTC JFET Htr A	-ve	S3B-	021BS-38	S019	HSSVMCB2	312200	J006	056		
211121	P032	022	SPIRE PTC JFET Htr A	SHD37	S3B-	021BS-38	S019	HSSVMCB2	312200	J006	022		
211121	P032	-		-			-						
211121	P032	001	SPIRE PTC TC Bias B	+ve	S3AI	021BS-38	S020	HSSVMCB2	312200	J006	001		
211121	P032	008	SPIRE PTC TC Bias B	-ve	S3AI	021BS-38	S020	HSSVMCB2	312200	J006	008		
211121	P032	004	SPIRE PTC TC Bias B	SHD38	S3AI	021BS-38	S020	HSSVMCB2	312200	J006	004		
211121	P032	-		-			-						
211121	P032	003	SPIRE PTC JFETV Bias B	+ve	S3CI	021BS-38	S022	HSSVMCB2	312200	J006	003		
211121	P032	002	SPIRE PTC JFETV Bias B	-ve	S3CI	021BS-38	S022	HSSVMCB2	312200	J006	002		
211121	P032	004	SPIRE PTC JFETV Bias B	SHD39	S3CI	021BS-38	S022	HSSVMCB2	312200	J006	004		
211121	P032	-		-			-						
211121	P032	004	SPIRE PTC GND Wire A4	-	SSX-	010B0-30	S404	HSSVMCB2	312200	J006	004		
211121	P032	-		-			-						
211121	P032	013	SPIRE SLW Bias B1	+ve	SSDI	021BS-38	S038	HSSVMCB2	312200	J006	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	012	SPIRE SLW Bias B1	-ve	SSDI	021BS-38	S038	HSSVMCB2	312200	J006	012		
211121	P032	032	SPIRE SLW Bias B1	SHD40	SSDI	021BS-38	S038	HSSVMCB2	312200	J006	032		
211121	P032	-		-			-						
211121	P032	021	SPIRE SLW Bias B2	+ve	SSDI	021BS-38	S039	HSSVMCB2	312200	J006	021		
211121	P032	020	SPIRE SLW Bias B2	-ve	SSDI	021BS-38	S039	HSSVMCB2	312200	J006	020		
211121	P032	032	SPIRE SLW Bias B2	SHD41	SSDI	021BS-38	S039	HSSVMCB2	312200	J006	032		
211121	P032	-		-			-						
211121	P032	031	SPIRE SLW JFETV B1	+ve	SSFI	021BS-38	S028	HSSVMCB2	312200	J006	031		
211121	P032	043	SPIRE SLW JFETV B1	-ve	SSFI	021BS-38	S028	HSSVMCB2	312200	J006	043		
211121	P032	032	SPIRE SLW JFETV B1	SHD42	SSFI	021BS-38	S028	HSSVMCB2	312200	J006	032		
211121	P032	-		-			-						
211121	P032	042	SPIRE SLW JFETV B2	+ve	SSFI	021BS-38	S023	HSSVMCB2	312200	J006	042		
211121	P032	054	SPIRE SLW JFETV B2	-ve	SSFI	021BS-38	S023	HSSVMCB2	312200	J006	054		
211121	P032	032	SPIRE SLW JFETV B2	SHD43	SSFI	021BS-38	S023	HSSVMCB2	312200	J006	032		
211121	P032	-		-			-						
211121	P032	032	SPIRE SLW GND Wire B4	-	SSX-	010B0-30	S407	HSSVMCB2	312200	J006	032		
211121	P032	-		-			-						
211121	P032	010	SPIRE SSW Bias B1	+ve	SSCI	021BS-38	S042	HSSVMCB2	312200	J006	010		
211121	P032	011	SPIRE SSW Bias B1	-ve	SSCI	021BS-38	S042	HSSVMCB2	312200	J006	011		
211121	P032	040	SPIRE SSW Bias B1	SHD44	SSCI	021BS-38	S042	HSSVMCB2	312200	J006	040		
211121	P032	-		-			-						
211121	P032	019	SPIRE SSW JFETV B1	+ve	SSEI	021BS-38	S035	HSSVMCB2	312200	J006	019		
211121	P032	029	SPIRE SSW JFETV B1	-ve	SSEI	021BS-38	S035	HSSVMCB2	312200	J006	029		
211121	P032	040	SPIRE SSW JFETV B1	SHD45	SSEI	021BS-38	S035	HSSVMCB2	312200	J006	040		
211121	P032	-		-			-						
211121	P032	041	SPIRE SSW Bias B2	+ve	SSCI	021BS-38	S044	HSSVMCB2	312200	J006	041		
211121	P032	030	SPIRE SSW Bias B2	-ve	SSCI	021BS-38	S044	HSSVMCB2	312200	J006	030		
211121	P032	040	SPIRE SSW Bias B2	SHD46	SSCI	021BS-38	S044	HSSVMCB2	312200	J006	040		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	-		-			-						
211121	P032	053	SPIRE SSW JFETV B2	+ve	SSEI	021BS-38	S036	HSSVMCB2	312200	J006	053		
211121	P032	052	SPIRE SSW JFETV B2	-ve	SSEI	021BS-38	S036	HSSVMCB2	312200	J006	052		
211121	P032	040	SPIRE SSW JFETV B2	SHD47	SSEI	021BS-38	S036	HSSVMCB2	312200	J006	040		
211121	P032	-		-			-						
211121	P032	040	SPIRE SSW GND Wire C4	-	SSX-	010B0-30	S408	HSSVMCB2	312200	J006	040		
211121	P032	-		-			-						
211121	P032	018	SPIRE SLW JFET Htr B	+ve	SSH-	021BS-38	S046	HSSVMCB2	312200	J006	018		
211121	P032	028	SPIRE SLW JFET Htr B	-ve	SSH-	021BS-38	S046	HSSVMCB2	312200	J006	028		
211121	P032	039	SPIRE SLW JFET Htr B	SHD48	SSH-	021BS-38	S046	HSSVMCB2	312200	J006	039		
211121	P032	-		-			-						
211121	P032	009	SPIRE SSW JFET Htr B	+ve	SSG-	021BS-38	S047	HSSVMCB2	312200	J006	009		
211121	P032	017	SPIRE SSW JFET Htr B	-ve	SSG-	021BS-38	S047	HSSVMCB2	312200	J006	017		
211121	P032	039	SPIRE SSW JFET Htr B	SHD49	SSG-	021BS-38	S047	HSSVMCB2	312200	J006	039		
211121	P032	-		-			-						
211121	P032	016	SPIRE PTC JFET Htr B	+ve	S3B-	021BS-38	S040	HSSVMCB2	312200	J006	016		
211121	P032	027	SPIRE PTC JFET Htr B	-ve	S3B-	021BS-38	S040	HSSVMCB2	312200	J006	027		
211121	P032	039	SPIRE PTC JFET Htr B	SHD50	S3B-	021BS-38	S040	HSSVMCB2	312200	J006	039		
211121	P032	-		-			-						
211121	P032	005	to be con as part of FCR	-			-						
211121	P032	006	to be con as part of FCR	-			-						
211121	P032	015	to be con as part of FCR	-			-						
211121	P032	022	to be con as part of FCR	-			-						
211121	P032	025	to be con as part of FCR	-			-						
211121	P032	036	to be con as part of FCR	-			-						
211121	P032	039	to be con as part of FCR	-			-						
211121	P032	047	to be con as part of FCR	-			-						
211121	P032	058	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P032	082	to be con as part of FCR	-			-						
211121	P032	094	to be con as part of FCR	-			-						
211121	P032	105	to be con as part of FCR	-			-						
211121	P032	123	to be con as part of FCR	-			-						
211121	P032	124	to be con as part of FCR	-			-						
211121	P032	125	to be con as part of FCR	-			-						
211121	P032	126	to be con as part of FCR	-			-						
211121	P032	127	to be con as part of FCR	-			-						
211121	P032	128	to be con as part of FCR	-			-						
211121	P032	-		-			-						
211121	P032	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P032	-		-			-						
211121	P032	CH	to be con to Outer Overall Shield (OOS)	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P033	029	SPIRE SorptPumpTemp(R)	I+	S3E-	041SS-38	S287	HSSVMCB3	312300	J005	029		
211121	P033	030	SPIRE SorptPumpTemp(R)	I-	S3E-	041SS-38	S287	HSSVMCB3	312300	J005	030		
211121	P033	041	SPIRE SorptPumpTemp(R)	V+	S3E-	041SS-38	S287	HSSVMCB3	312300	J005	041		
211121	P033	042	SPIRE SorptPumpTemp(R)	V-	S3E-	041SS-38	S287	HSSVMCB3	312300	J005	042		
211121	P033	031	SPIRE SorptPumpTemp(R)	SHD01	S3E-	041SS-38	S287	HSSVMCB3	312300	J005	031		
211121	P033	-		-			-						
211121	P033	077	SPIRE EvaporatorTemp(R)	I+	S3E-	041SS-38	S288	HSSVMCB3	312300	J005	077		
211121	P033	076	SPIRE EvaporatorTemp(R)	I-	S3E-	041SS-38	S288	HSSVMCB3	312300	J005	076		
211121	P033	066	SPIRE EvaporatorTemp(R)	V+	S3E-	041SS-38	S288	HSSVMCB3	312300	J005	066		
211121	P033	065	SPIRE EvaporatorTemp(R)	V-	S3E-	041SS-38	S288	HSSVMCB3	312300	J005	065		
211121	P033	054	SPIRE EvaporatorTemp(R)	SHD02	S3E-	041SS-38	S288	HSSVMCB3	312300	J005	054		
211121	P033	-		-			-						
211121	P033	053	SPIRE SorptPumpSwTemp(R)	I+	S3E-	041SS-38	S289	HSSVMCB3	312300	J005	053		
211121	P033	052	SPIRE SorptPumpSwTemp(R)	I-	S3E-	041SS-38	S289	HSSVMCB3	312300	J005	052		
211121	P033	064	SPIRE SorptPumpSwTemp(R)	V+	S3E-	041SS-38	S289	HSSVMCB3	312300	J005	064		
211121	P033	063	SPIRE SorptPumpSwTemp(R)	V-	S3E-	041SS-38	S289	HSSVMCB3	312300	J005	063		
211121	P033	075	SPIRE SorptPumpSwTemp(R)	SHD03	S3E-	041SS-38	S289	HSSVMCB3	312300	J005	075		
211121	P033	-		-			-						
211121	P033	050	SPIRE EvaporSwTemp(R)	I+	S3E-	041SS-38	S290	HSSVMCB3	312300	J005	050		
211121	P033	061	SPIRE EvaporSwTemp(R)	I-	S3E-	041SS-38	S290	HSSVMCB3	312300	J005	061		
211121	P033	062	SPIRE EvaporSwTemp(R)	V+	S3E-	041SS-38	S290	HSSVMCB3	312300	J005	062		
211121	P033	051	SPIRE EvaporSwTemp(R)	V-	S3E-	041SS-38	S290	HSSVMCB3	312300	J005	051		
211121	P033	039	SPIRE EvaporSwTemp(R)	SHD04	S3E-	041SS-38	S290	HSSVMCB3	312300	J005	039		
211121	P033	-		-			-						
211121	P033	011	SPIRE ThermShuntTemp(R)	I+A	S3E-	041SS-38	S291	HSSVMCB3	312300	J005	011		
211121	P033	010	SPIRE ThermShuntTemp(R)	I-B	S3E-	041SS-38	S291	HSSVMCB3	312300	J005	010		
211121	P033	019	SPIRE ThermShuntTemp(R)	V+B	S3E-	041SS-38	S291	HSSVMCB3	312300	J005	019		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P033	018	SPIRE ThermShuntTemp(R)	V-A	S3E-	041SS-38	S291	HSSVMCB3	312300	J005	018		
211121	P033	020	SPIRE ThermShuntTemp(R)	SHD05	S3E-	041SS-38	S291	HSSVMCB3	312300	J005	020		
211121	P033	-		-			-						
211121	P033	006	SPIRE SorptPumpHtr(R)	I+A	S3F-	040B0-30	S292	HSSVMCB3	312300	J005	006		
211121	P033	005	SPIRE SorptPumpHtr(R)	I-A	S3F-	040B0-30	S292	HSSVMCB3	312300	J005	005		
211121	P033	013	SPIRE SorptPumpHtr(R)	I+B	S3F-	040B0-30	S292	HSSVMCB3	312300	J005	013		
211121	P033	012	SPIRE SorptPumpHtr(R)	I-B	S3F-	040B0-30	S292	HSSVMCB3	312300	J005	012		
211121	P033	-		-			-						
211121	P033	022	SPIRE SorptPumpSwHtr(R)	I+A	S3F-	040B0-30	S293	HSSVMCB3	312300	J005	022		
211121	P033	021	SPIRE SorptPumpSwHtr(R)	I-A	S3F-	040B0-30	S293	HSSVMCB3	312300	J005	021		
211121	P033	033	SPIRE SorptPumpSwHtr(R)	I+B	S3F-	040B0-30	S293	HSSVMCB3	312300	J005	033		
211121	P033	032	SPIRE SorptPumpSwHtr(R)	I-B	S3F-	040B0-30	S293	HSSVMCB3	312300	J005	032		
211121	P033	-		-			-						
211121	P033	055	SPIRE EvaporSwHtr(R)	I+A	S3F-	040B0-30	S294	HSSVMCB3	312300	J005	055		
211121	P033	043	SPIRE EvaporSwHtr(R)	I-A	S3F-	040B0-30	S294	HSSVMCB3	312300	J005	043		
211121	P033	056	SPIRE EvaporSwHtr(R)	I+B	S3F-	040B0-30	S294	HSSVMCB3	312300	J005	056		
211121	P033	044	SPIRE EvaporSwHtr(R)	I-B	S3F-	040B0-30	S294	HSSVMCB3	312300	J005	044		
211121	P033	-		-			-						
211121	P033	111	SPIRE Spectr4%Temp (R)	I+	SCA-	041SS-38	S295	HSSVMCB3	312300	J005	111		
211121	P033	112	SPIRE Spectr4%Temp (R)	I-	SCA-	041SS-38	S295	HSSVMCB3	312300	J005	112		
211121	P033	120	SPIRE Spectr4%Temp (R)	V+	SCA-	041SS-38	S295	HSSVMCB3	312300	J005	120		
211121	P033	128	SPIRE Spectr4%Temp (R)	V-	SCA-	041SS-38	S295	HSSVMCB3	312300	J005	128		
211121	P033	121	SPIRE Spectr4%Temp (R)	SHD06	SCA-	041SS-38	S295	HSSVMCB3	312300	J005	121		
211121	P033	-		-			-						
211121	P033	091	SPIRE Spectr2%Temp (R)	I+	SCA-	041SS-38	S296	HSSVMCB3	312300	J005	091		
211121	P033	080	SPIRE Spectr2%Temp (R)	I-	SCA-	041SS-38	S296	HSSVMCB3	312300	J005	080		
211121	P033	092	SPIRE Spectr2%Temp (R)	V+	SCA-	041SS-38	S296	HSSVMCB3	312300	J005	092		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P033	081	SPIRE Spectr2%Temp (R)	V-	SCA-	041SS-38	S296	HSSVMCB3	312300	J005	081		
211121	P033	093	SPIRE Spectr2%Temp (R)	SHD07	SCA-	041SS-38	S296	HSSVMCB3	312300	J005	093		
211121	P033	-		-			-						
211121	P033	114	SPIRE SpStimFlanTemp(R)	I+	SCA-	041SS-38	S297	HSSVMCB3	312300	J005	114		
211121	P033	104	SPIRE SpStimFlanTemp(R)	I-	SCA-	041SS-38	S297	HSSVMCB3	312300	J005	104		
211121	P033	113	SPIRE SpStimFlanTemp(R)	V+	SCA-	041SS-38	S297	HSSVMCB3	312300	J005	113		
211121	P033	103	SPIRE SpStimFlanTemp(R)	V-	SCA-	041SS-38	S297	HSSVMCB3	312300	J005	103		
211121	P033	102	SPIRE SpStimFlanTemp(R)	SHD08	SCA-	041SS-38	S297	HSSVMCB3	312300	J005	102		
211121	P033	-		-			-						
211121	P033	035	SPIRE Spectr4%Heater (R)	I+A	SCB-	040B0-30	S298	HSSVMCB3	312300	J005	035		
211121	P033	034	SPIRE Spectr4%Heater (R)	I-A	SCB-	040B0-30	S298	HSSVMCB3	312300	J005	034		
211121	P033	024	SPIRE Spectr4%Heater (R)	I+B	SCB-	040B0-30	S298	HSSVMCB3	312300	J005	024		
211121	P033	023	SPIRE Spectr4%Heater (R)	I-B	SCB-	040B0-30	S298	HSSVMCB3	312300	J005	023		
211121	P033	-		-			-						
211121	P033	046	SPIRE Spectr2%Heater (R)	I+A	SCB-	040B0-30	S299	HSSVMCB3	312300	J005	046		
211121	P033	045	SPIRE Spectr2%Heater (R)	I-A	SCB-	040B0-30	S299	HSSVMCB3	312300	J005	045		
211121	P033	058	SPIRE Spectr2%Heater (R)	I+B	SCB-	040B0-30	S299	HSSVMCB3	312300	J005	058		
211121	P033	057	SPIRE Spectr2%Heater (R)	I-B	SCB-	040B0-30	S299	HSSVMCB3	312300	J005	057		
211121	P033	-		-			-						
211121	P033	089	SPIRE FilterTemp(R)	I+	STA-	041SS-38	S306	HSSVMCB3	312300	J005	089		
211121	P033	088	SPIRE FilterTemp(R)	I-	STA-	041SS-38	S306	HSSVMCB3	312300	J005	088		
211121	P033	100	SPIRE FilterTemp(R)	V+	STA-	041SS-38	S306	HSSVMCB3	312300	J005	100		
211121	P033	099	SPIRE FilterTemp(R)	V-	STA-	041SS-38	S306	HSSVMCB3	312300	J005	099		
211121	P033	101	SPIRE FilterTemp(R)	SHD09	STA-	041SS-38	S306	HSSVMCB3	312300	J005	101		
211121	P033	-		-			-						
211121	P033	118	SPIRE SpectDetBoxTemp(R)	I+	STA-	041SS-38	S307	HSSVMCB3	312300	J005	118		
211121	P033	119	SPIRE SpectDetBoxTemp(R)	I-	STA-	041SS-38	S307	HSSVMCB3	312300	J005	119		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P033	125	SPIRE SpectDetBoxTemp(R)	V+	STA-	041SS-38	S307	HSSVMCB3	312300	J005	125		
211121	P033	126	SPIRE SpectDetBoxTemp(R)	V-	STA-	041SS-38	S307	HSSVMCB3	312300	J005	126		
211121	P033	110	SPIRE SpectDetBoxTemp(R)	SHD10	STA-	041SS-38	S307	HSSVMCB3	312300	J005	110		
211121	P033	-		-			-						
211121	P033	123	SPIRE PhotomDetBoxTmp(R)	I+	STA-	041SS-38	S308	HSSVMCB3	312300	J005	123		
211121	P033	124	SPIRE PhotomDetBoxTmp(R)	I-	STA-	041SS-38	S308	HSSVMCB3	312300	J005	124		
211121	P033	116	SPIRE PhotomDetBoxTmp(R)	V+	STA-	041SS-38	S308	HSSVMCB3	312300	J005	116		
211121	P033	117	SPIRE PhotomDetBoxTmp(R)	V-	STA-	041SS-38	S308	HSSVMCB3	312300	J005	117		
211121	P033	108	SPIRE PhotomDetBoxTmp(R)	SHD11	STA-	041SS-38	S308	HSSVMCB3	312300	J005	108		
211121	P033	-		-			-						
211121	P033	106	SPIRE OptSubbenchTmp(R)	I+	STA-	041SS-38	S309	HSSVMCB3	312300	J005	106		
211121	P033	115	SPIRE OptSubbenchTmp(R)	I-	STA-	041SS-38	S309	HSSVMCB3	312300	J005	115		
211121	P033	107	SPIRE OptSubbenchTmp(R)	V+	STA-	041SS-38	S309	HSSVMCB3	312300	J005	107		
211121	P033	122	SPIRE OptSubbenchTmp(R)	V-	STA-	041SS-38	S309	HSSVMCB3	312300	J005	122		
211121	P033	105	SPIRE OptSubbenchTmp(R)	SHD12	STA-	041SS-38	S309	HSSVMCB3	312300	J005	105		
211121	P033	-		-			-						
211121	P033	097	SPIRE FPUInpBaffleTmp(R)	I+	STA-	041SS-38	S310	HSSVMCB3	312300	J005	097		
211121	P033	098	SPIRE FPUInpBaffleTmp(R)	I-	STA-	041SS-38	S310	HSSVMCB3	312300	J005	098		
211121	P033	086	SPIRE FPUInpBaffleTmp(R)	V+	STA-	041SS-38	S310	HSSVMCB3	312300	J005	086		
211121	P033	087	SPIRE FPUInpBaffleTmp(R)	V-	STA-	041SS-38	S310	HSSVMCB3	312300	J005	087		
211121	P033	109	SPIRE FPUInpBaffleTmp(R)	SHD13	STA-	041SS-38	S310	HSSVMCB3	312300	J005	109		
211121	P033	-		-			-						
211121	P033	073	SPIRE BSM/SOB I/FTmp(R)	I+	STA-	041SS-38	S311	HSSVMCB3	312300	J005	073		
211121	P033	084	SPIRE BSM/SOB I/FTmp(R)	I-	STA-	041SS-38	S311	HSSVMCB3	312300	J005	084		
211121	P033	074	SPIRE BSM/SOB I/FTmp(R)	V+	STA-	041SS-38	S311	HSSVMCB3	312300	J005	074		
211121	P033	085	SPIRE BSM/SOB I/FTmp(R)	V-	STA-	041SS-38	S311	HSSVMCB3	312300	J005	085		
211121	P033	096	SPIRE BSM/SOB I/FTmp(R)	SHD14	STA-	041SS-38	S311	HSSVMCB3	312300	J005	096		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P033	-		-			-						
211121	P033	079	SPIRE PTC Htr(R)	I+A	STB-	041BS-30	S312	HSSVMCB3	312300	J005	079		
211121	P033	078	SPIRE PTC Htr(R)	I+B	STB-	041BS-30	S312	HSSVMCB3	312300	J005	078		
211121	P033	068	SPIRE PTC Htr(R)	I-A	STB-	041BS-30	S312	HSSVMCB3	312300	J005	068		
211121	P033	067	SPIRE PTC Htr(R)	I-B	STB-	041BS-30	S312	HSSVMCB3	312300	J005	067		
211121	P033	090	SPIRE PTC Htr(R)	SHD15	STB-	041BS-30	S312	HSSVMCB3	312300	J005	090		
211121	P033	-		-			-						
211121	P033	001	to be con as part of FCR	-			-						
211121	P033	002	to be con as part of FCR	-			-						
211121	P033	003	to be con as part of FCR	-			-						
211121	P033	004	to be con as part of FCR	-			-						
211121	P033	007	to be con as part of FCR	-			-						
211121	P033	008	to be con as part of FCR	-			-						
211121	P033	014	to be con as part of FCR	-			-						
211121	P033	015	to be con as part of FCR	-			-						
211121	P033	025	to be con as part of FCR	-			-						
211121	P033	036	to be con as part of FCR	-			-						
211121	P033	047	to be con as part of FCR	-			-						
211121	P033	059	to be con as part of FCR	-			-						
211121	P033	070	to be con as part of FCR	-			-						
211121	P033	082	to be con as part of FCR	-			-						
211121	P033	094	to be con as part of FCR	-			-						
211121	P033	127	to be con as part of FCR	-			-						
211121	P033	-		-			-						
211121	P033	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P033	-		-			-						
211121	P033	CH	to be con to Outer Overall Shield (OOS)	-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
Date:		Name:			SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P034	029	SPIRE SorptPumpTemp(N)	I+	S3E-	041SS-38	S234	HSSVMCB3	312300	J006	029		
211121	P034	030	SPIRE SorptPumpTemp(N)	I-	S3E-	041SS-38	S234	HSSVMCB3	312300	J006	030		
211121	P034	041	SPIRE SorptPumpTemp(N)	V+	S3E-	041SS-38	S234	HSSVMCB3	312300	J006	041		
211121	P034	042	SPIRE SorptPumpTemp(N)	V-	S3E-	041SS-38	S234	HSSVMCB3	312300	J006	042		
211121	P034	031	SPIRE SorptPumpTemp(N)	SHD01	S3E-	041SS-38	S234	HSSVMCB3	312300	J006	031		
211121	P034	-		-			-						
211121	P034	077	SPIRE EvaporatorTemp(N)	I+	S3E-	041SS-38	S235	HSSVMCB3	312300	J006	077		
211121	P034	076	SPIRE EvaporatorTemp(N)	I-	S3E-	041SS-38	S235	HSSVMCB3	312300	J006	076		
211121	P034	066	SPIRE EvaporatorTemp(N)	V+	S3E-	041SS-38	S235	HSSVMCB3	312300	J006	066		
211121	P034	065	SPIRE EvaporatorTemp(N)	V-	S3E-	041SS-38	S235	HSSVMCB3	312300	J006	065		
211121	P034	054	SPIRE EvaporatorTemp(N)	SHD02	S3E-	041SS-38	S235	HSSVMCB3	312300	J006	054		
211121	P034	-		-			-						
211121	P034	053	SPIRE SorptPumpSwTemp(N)	I+	S3E-	041SS-38	S236	HSSVMCB3	312300	J006	053		
211121	P034	052	SPIRE SorptPumpSwTemp(N)	I-	S3E-	041SS-38	S236	HSSVMCB3	312300	J006	052		
211121	P034	064	SPIRE SorptPumpSwTemp(N)	V+	S3E-	041SS-38	S236	HSSVMCB3	312300	J006	064		
211121	P034	063	SPIRE SorptPumpSwTemp(N)	V-	S3E-	041SS-38	S236	HSSVMCB3	312300	J006	063		
211121	P034	075	SPIRE SorptPumpSwTemp(N)	SHD03	S3E-	041SS-38	S236	HSSVMCB3	312300	J006	075		
211121	P034	-		-			-						
211121	P034	050	SPIRE EvaporSwTemp(N)	I+	S3E-	041SS-38	S237	HSSVMCB3	312300	J006	050		
211121	P034	061	SPIRE EvaporSwTemp(N)	I-	S3E-	041SS-38	S237	HSSVMCB3	312300	J006	061		
211121	P034	062	SPIRE EvaporSwTemp(N)	V+	S3E-	041SS-38	S237	HSSVMCB3	312300	J006	062		
211121	P034	051	SPIRE EvaporSwTemp(N)	V-	S3E-	041SS-38	S237	HSSVMCB3	312300	J006	051		
211121	P034	039	SPIRE EvaporSwTemp(N)	SHD04	S3E-	041SS-38	S237	HSSVMCB3	312300	J006	039		
211121	P034	-		-			-						
211121	P034	011	SPIRE ThermShuntTemp(N)	I+A	S3E-	041SS-38	S238	HSSVMCB3	312300	J006	011		
211121	P034	010	SPIRE ThermShuntTemp(N)	I-B	S3E-	041SS-38	S238	HSSVMCB3	312300	J006	010		
211121	P034	018	SPIRE ThermShuntTemp(N)	V-A	S3E-	041SS-38	S238	HSSVMCB3	312300	J006	018		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P034	019	SPIRE ThermShuntTemp(N)	V+B	S3E-	041SS-38	S238	HSSVMCB3	312300	J006	019		
211121	P034	020	SPIRE ThermShuntTemp(N)	SHD05	S3E-	041SS-38	S238	HSSVMCB3	312300	J006	020		
211121	P034	-		-			-						
211121	P034	006	SPIRE SorptPumpHtr(N)	I+A	S3F-	040B0-30	S239	HSSVMCB3	312300	J006	006		
211121	P034	005	SPIRE SorptPumpHtr(N)	I-A	S3F-	040B0-30	S239	HSSVMCB3	312300	J006	005		
211121	P034	013	SPIRE SorptPumpHtr(N)	I+B	S3F-	040B0-30	S239	HSSVMCB3	312300	J006	013		
211121	P034	012	SPIRE SorptPumpHtr(N)	I-B	S3F-	040B0-30	S239	HSSVMCB3	312300	J006	012		
211121	P034	-		-			-						
211121	P034	022	SPIRE SorptPumpSwHtr(N)	I+A	S3F-	040B0-30	S240	HSSVMCB3	312300	J006	022		
211121	P034	033	SPIRE SorptPumpSwHtr(N)	I+B	S3F-	040B0-30	S240	HSSVMCB3	312300	J006	033		
211121	P034	021	SPIRE SorptPumpSwHtr(N)	I-A	S3F-	040B0-30	S240	HSSVMCB3	312300	J006	021		
211121	P034	032	SPIRE SorptPumpSwHtr(N)	I-B	S3F-	040B0-30	S240	HSSVMCB3	312300	J006	032		
211121	P034	-		-			-						
211121	P034	055	SPIRE EvaporSwHtr(N)	I+A	S3F-	040B0-30	S241	HSSVMCB3	312300	J006	055		
211121	P034	056	SPIRE EvaporSwHtr(N)	I+B	S3F-	040B0-30	S241	HSSVMCB3	312300	J006	056		
211121	P034	043	SPIRE EvaporSwHtr(N)	I-A	S3F-	040B0-30	S241	HSSVMCB3	312300	J006	043		
211121	P034	044	SPIRE EvaporSwHtr(N)	I-B	S3F-	040B0-30	S241	HSSVMCB3	312300	J006	044		
211121	P034	-		-			-						
211121	P034	111	SPIRE Spectr4%Temp (N)	I+	SCA-	041SS-38	S242	HSSVMCB3	312300	J006	111		
211121	P034	112	SPIRE Spectr4%Temp (N)	I-	SCA-	041SS-38	S242	HSSVMCB3	312300	J006	112		
211121	P034	120	SPIRE Spectr4%Temp (N)	V+	SCA-	041SS-38	S242	HSSVMCB3	312300	J006	120		
211121	P034	128	SPIRE Spectr4%Temp (N)	V-	SCA-	041SS-38	S242	HSSVMCB3	312300	J006	128		
211121	P034	121	SPIRE Spectr4%Temp (N)	SHD06	SCA-	041SS-38	S242	HSSVMCB3	312300	J006	121		
211121	P034	-		-			-						
211121	P034	091	SPIRE Spectr2%Temp (N)	I+	SCA-	041SS-38	S243	HSSVMCB3	312300	J006	091		
211121	P034	080	SPIRE Spectr2%Temp (N)	I-	SCA-	041SS-38	S243	HSSVMCB3	312300	J006	080		
211121	P034	092	SPIRE Spectr2%Temp (N)	V+	SCA-	041SS-38	S243	HSSVMCB3	312300	J006	092		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P034	081	SPIRE Spectr2%Temp (N)	V-	SCA-	041SS-38	S243	HSSVMCB3	312300	J006	081		
211121	P034	093	SPIRE Spectr2%Temp (N)	SHD07	SCA-	041SS-38	S243	HSSVMCB3	312300	J006	093		
211121	P034	-		-			-						
211121	P034	114	SPIRE SpStimFlanTemp(N)	I+	SCA-	041SS-38	S244	HSSVMCB3	312300	J006	114		
211121	P034	104	SPIRE SpStimFlanTemp(N)	I-	SCA-	041SS-38	S244	HSSVMCB3	312300	J006	104		
211121	P034	113	SPIRE SpStimFlanTemp(N)	V+	SCA-	041SS-38	S244	HSSVMCB3	312300	J006	113		
211121	P034	103	SPIRE SpStimFlanTemp(N)	V-	SCA-	041SS-38	S244	HSSVMCB3	312300	J006	103		
211121	P034	102	SPIRE SpStimFlanTemp(N)	SHD08	SCA-	041SS-38	S244	HSSVMCB3	312300	J006	102		
211121	P034	-		-			-						
211121	P034	035	SPIRE Spectr4%Heater (N)	I+A	SCB-	040B0-30	S245	HSSVMCB3	312300	J006	035		
211121	P034	024	SPIRE Spectr4%Heater (N)	I+B	SCB-	040B0-30	S245	HSSVMCB3	312300	J006	024		
211121	P034	034	SPIRE Spectr4%Heater (N)	I-A	SCB-	040B0-30	S245	HSSVMCB3	312300	J006	034		
211121	P034	023	SPIRE Spectr4%Heater (N)	I-B	SCB-	040B0-30	S245	HSSVMCB3	312300	J006	023		
211121	P034	-		-			-						
211121	P034	046	SPIRE Spectr2%Heater (N)	I+A	SCB-	040B0-30	S246	HSSVMCB3	312300	J006	046		
211121	P034	058	SPIRE Spectr2%Heater (N)	I+B	SCB-	040B0-30	S246	HSSVMCB3	312300	J006	058		
211121	P034	045	SPIRE Spectr2%Heater (N)	I-A	SCB-	040B0-30	S246	HSSVMCB3	312300	J006	045		
211121	P034	057	SPIRE Spectr2%Heater (N)	I-B	SCB-	040B0-30	S246	HSSVMCB3	312300	J006	057		
211121	P034	-		-			-						
211121	P034	089	SPIRE FilterTemp(N)	I+	STA-	041SS-38	S253	HSSVMCB3	312300	J006	089		
211121	P034	088	SPIRE FilterTemp(N)	I-	STA-	041SS-38	S253	HSSVMCB3	312300	J006	088		
211121	P034	100	SPIRE FilterTemp(N)	V+	STA-	041SS-38	S253	HSSVMCB3	312300	J006	100		
211121	P034	099	SPIRE FilterTemp(N)	V-	STA-	041SS-38	S253	HSSVMCB3	312300	J006	099		
211121	P034	101	SPIRE FilterTemp(N)	SHD09	STA-	041SS-38	S253	HSSVMCB3	312300	J006	101		
211121	P034	-		-			-						
211121	P034	118	SPIRE SpectDetBoxTemp(N)	I+	STA-	041SS-38	S254	HSSVMCB3	312300	J006	118		
211121	P034	119	SPIRE SpectDetBoxTemp(N)	I-	STA-	041SS-38	S254	HSSVMCB3	312300	J006	119		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P034	125	SPIRE SpectDetBoxTemp(N)	V+	STA-	041SS-38	S254	HSSVMCB3	312300	J006	125		
211121	P034	126	SPIRE SpectDetBoxTemp(N)	V-	STA-	041SS-38	S254	HSSVMCB3	312300	J006	126		
211121	P034	110	SPIRE SpectDetBoxTemp(N)	SHD10	STA-	041SS-38	S254	HSSVMCB3	312300	J006	110		
211121	P034	-		-			-						
211121	P034	123	SPIRE PhotomDetBoxTmp(N)	I+	STA-	041SS-38	S255	HSSVMCB3	312300	J006	123		
211121	P034	124	SPIRE PhotomDetBoxTmp(N)	I-	STA-	041SS-38	S255	HSSVMCB3	312300	J006	124		
211121	P034	116	SPIRE PhotomDetBoxTmp(N)	V+	STA-	041SS-38	S255	HSSVMCB3	312300	J006	116		
211121	P034	117	SPIRE PhotomDetBoxTmp(N)	V-	STA-	041SS-38	S255	HSSVMCB3	312300	J006	117		
211121	P034	108	SPIRE PhotomDetBoxTmp(N)	SHD11	STA-	041SS-38	S255	HSSVMCB3	312300	J006	108		
211121	P034	-		-			-						
211121	P034	106	SPIRE OptSubbenchTmp(N)	I+	STA-	041SS-38	S256	HSSVMCB3	312300	J006	106		
211121	P034	115	SPIRE OptSubbenchTmp(N)	I-	STA-	041SS-38	S256	HSSVMCB3	312300	J006	115		
211121	P034	107	SPIRE OptSubbenchTmp(N)	V+	STA-	041SS-38	S256	HSSVMCB3	312300	J006	107		
211121	P034	122	SPIRE OptSubbenchTmp(N)	V-	STA-	041SS-38	S256	HSSVMCB3	312300	J006	122		
211121	P034	105	SPIRE OptSubbenchTmp(N)	SHD12	STA-	041SS-38	S256	HSSVMCB3	312300	J006	105		
211121	P034	-		-			-						
211121	P034	097	SPIRE FPUInpBaffleTmp(N)	I+	STA-	041SS-38	S257	HSSVMCB3	312300	J006	097		
211121	P034	098	SPIRE FPUInpBaffleTmp(N)	I-	STA-	041SS-38	S257	HSSVMCB3	312300	J006	098		
211121	P034	086	SPIRE FPUInpBaffleTmp(N)	V+	STA-	041SS-38	S257	HSSVMCB3	312300	J006	086		
211121	P034	087	SPIRE FPUInpBaffleTmp(N)	V-	STA-	041SS-38	S257	HSSVMCB3	312300	J006	087		
211121	P034	109	SPIRE FPUInpBaffleTmp(N)	SHD13	STA-	041SS-38	S257	HSSVMCB3	312300	J006	109		
211121	P034	-		-			-						
211121	P034	073	SPIRE BSM/SOB I/FTmp(N)	I+	STA-	041SS-38	S258	HSSVMCB3	312300	J006	073		
211121	P034	074	SPIRE BSM/SOB I/FTmp(N)	V+	STA-	041SS-38	S258	HSSVMCB3	312300	J006	074		
211121	P034	085	SPIRE BSM/SOB I/FTmp(N)	V-	STA-	041SS-38	S258	HSSVMCB3	312300	J006	085		
211121	P034	084	SPIRE BSM/SOB I/FTmp(N)	I-	STA-	041SS-38	S258	HSSVMCB3	312300	J006	084		
211121	P034	096	SPIRE BSM/SOB I/FTmp(N)	SHD14	STA-	041SS-38	S258	HSSVMCB3	312300	J006	096		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	P034	-		-			-						
211121	P034	079	SPIRE PTC Htr(N)	I+A	STB-	041BS-30	S259	HSSVMCB3	312300	J006	079		
211121	P034	078	SPIRE PTC Htr(N)	I+B	STB-	041BS-30	S259	HSSVMCB3	312300	J006	078		
211121	P034	068	SPIRE PTC Htr(N)	I-A	STB-	041BS-30	S259	HSSVMCB3	312300	J006	068		
211121	P034	067	SPIRE PTC Htr(N)	I-B	STB-	041BS-30	S259	HSSVMCB3	312300	J006	067		
211121	P034	090	SPIRE PTC Htr(N)	SHD15	STB-	041BS-30	S259	HSSVMCB3	312300	J006	090		
211121	P034	-		-			-						
211121	P034	001	to be con as part of FCR	-			-						
211121	P034	002	to be con as part of FCR	-			-						
211121	P034	003	to be con as part of FCR	-			-						
211121	P034	004	to be con as part of FCR	-			-						
211121	P034	007	to be con as part of FCR	-			-						
211121	P034	008	to be con as part of FCR	-			-						
211121	P034	014	to be con as part of FCR	-			-						
211121	P034	015	to be con as part of FCR	-			-						
211121	P034	025	to be con as part of FCR	-			-						
211121	P034	036	to be con as part of FCR	-			-						
211121	P034	047	to be con as part of FCR	-			-						
211121	P034	059	to be con as part of FCR	-			-						
211121	P034	070	to be con as part of FCR	-			-						
211121	P034	082	to be con as part of FCR	-			-						
211121	P034	094	to be con as part of FCR	-			-						
211121	P034	127	to be con as part of FCR	-			-						
211121	P034	-		-			-						
211121	P034	FCR	to be con to Inner Overall Shield (IOS)	-			-						
211121	P034	-		-			-						
211121	P034	CH	to be con to Outer Overall Shield (OOS)	-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
Date:		Name:			SPIRE:			ESA:					

Annex 2

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	026	SPIRE PMW Ch01 to 04	1+	SPB-	12AXD-38	S067	HSJFP	121210	P024	001		
211121	J022	037	SPIRE PMW Ch01 to 04	1-	SPB-	12AXD-38	S067	HSJFP	121210	P024	014		
211121	J022	036	SPIRE PMW Ch01 to 04	1gnd	SPB-	12AXD-38	S067	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	038	SPIRE PMW Ch01 to 04	2+	SPB-	12AXD-38	S067	HSJFP	121210	P024	002		
211121	J022	049	SPIRE PMW Ch01 to 04	2-	SPB-	12AXD-38	S067	HSJFP	121210	P024	015		
211121	J022	036	SPIRE PMW Ch01 to 04	2gnd	SPB-	12AXD-38	S067	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	048	SPIRE PMW Ch01 to 04	3+	SPB-	12AXD-38	S067	HSJFP	121210	P024	003		
211121	J022	060	SPIRE PMW Ch01 to 04	3-	SPB-	12AXD-38	S067	HSJFP	121210	P024	016		
211121	J022	036	SPIRE PMW Ch01 to 04	3gnd	SPB-	12AXD-38	S067	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	059	SPIRE PMW Ch01 to 04	4+	SPB-	12AXD-38	S067	HSJFP	121210	P024	004		
211121	J022	071	SPIRE PMW Ch01 to 04	4-	SPB-	12AXD-38	S067	HSJFP	121210	P024	017		
211121	J022	036	SPIRE PMW Ch01 to 04	4gnd	SPB-	12AXD-38	S067	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	036	SPIRE PMW Ch01 to 04	SHD67	SPB-	12AXD-38	S067	HSJFP	121210	P024	013		
211121	J022	FCR	SPIRE PMW Ch01 to 04	COS67	SPB-	12AXD-38	S067	HSJFP	121210	P024	CH		
211121	J022	-		-			-						
211121	J022	050	SPIRE PMW Ch05 to 08	5+	SPB-	12AXD-38	S068	HSJFP	121210	P024	005		
211121	J022	061	SPIRE PMW Ch05 to 08	5-	SPB-	12AXD-38	S068	HSJFP	121210	P024	018		
211121	J022	036	SPIRE PMW Ch05 to 08	5gnd	SPB-	12AXD-38	S068	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	062	SPIRE PMW Ch05 to 08	6+	SPB-	12AXD-38	S068	HSJFP	121210	P024	006		
211121	J022	051	SPIRE PMW Ch05 to 08	6-	SPB-	12AXD-38	S068	HSJFP	121210	P024	019		
211121	J022	036	SPIRE PMW Ch05 to 08	6gnd	SPB-	12AXD-38	S068	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	063	SPIRE PMW Ch05 to 08	7+	SPB-	12AXD-38	S068	HSJFP	121210	P024	020		
211121	J022	075	SPIRE PMW Ch05 to 08	7-	SPB-	12AXD-38	S068	HSJFP	121210	P024	007		
211121	J022	036	SPIRE PMW Ch05 to 08	7gnd	SPB-	12AXD-38	S068	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	074	SPIRE PMW Ch05 to 08	8+	SPB-	12AXD-38	S068	HSJFP	121210	P024	021		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	073	SPIRE PMW Ch05 to 08	8-	SPB-	12AXD-38	S068	HSJFP	121210	P024	008		
211121	J022	036	SPIRE PMW Ch05 to 08	8gnd	SPB-	12AXD-38	S068	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	036	SPIRE PMW Ch05 to 08	SHD68	SPB-	12AXD-38	S068	HSJFP	121210	P024	013		
211121	J022	FCR	SPIRE PMW Ch05 to 08	COS68	SPB-	12AXD-38	S068	HSJFP	121210	P024	CH		
211121	J022	-		-			-						
211121	J022	083	SPIRE PMW Ch09 to 12	9+	SPB-	12AXD-38	S069	HSJFP	121210	P024	022		
211121	J022	072	SPIRE PMW Ch09 to 12	9-	SPB-	12AXD-38	S069	HSJFP	121210	P024	009		
211121	J022	036	SPIRE PMW Ch09 to 12	9gnd	SPB-	12AXD-38	S069	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	095	SPIRE PMW Ch09 to 12	10+	SPB-	12AXD-38	S069	HSJFP	121210	P024	023		
211121	J022	084	SPIRE PMW Ch09 to 12	10-	SPB-	12AXD-38	S069	HSJFP	121210	P024	010		
211121	J022	036	SPIRE PMW Ch09 to 12	10gnd	SPB-	12AXD-38	S069	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	096	SPIRE PMW Ch09 to 12	11+	SPB-	12AXD-38	S069	HSJFP	121210	P024	024		
211121	J022	085	SPIRE PMW Ch09 to 12	11-	SPB-	12AXD-38	S069	HSJFP	121210	P024	011		
211121	J022	036	SPIRE PMW Ch09 to 12	11gnd	SPB-	12AXD-38	S069	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	106	SPIRE PMW Ch09 to 12	12+	SPB-	12AXD-38	S069	HSJFP	121210	P024	025		
211121	J022	107	SPIRE PMW Ch09 to 12	12-	SPB-	12AXD-38	S069	HSJFP	121210	P024	012		
211121	J022	036	SPIRE PMW Ch09 to 12	12gnd	SPB-	12AXD-38	S069	HSJFP	121210	P024	013		
211121	J022	-		-			-						
211121	J022	036	SPIRE PMW Ch09 to 12	SHD69	SPB-	12AXD-38	S069	HSJFP	121210	P024	013		
211121	J022	FCR	SPIRE PMW Ch09 to 12	COS69	SPB-	12AXD-38	S069	HSJFP	121210	P024	CH		
211121	J022	-		-			-						
211121	J022	086	SPIRE PMW Ch 13 to 16	13+	SPB-	12AXD-38	S072	HSJFP	121210	P023	001		
211121	J022	087	SPIRE PMW Ch 13 to 16	13-	SPB-	12AXD-38	S072	HSJFP	121210	P023	014		
211121	J022	128	SPIRE PMW Ch 13 to 16	13gnd	SPB-	12AXD-38	S072	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	097	SPIRE PMW Ch 13 to 16	14+	SPB-	12AXD-38	S072	HSJFP	121210	P023	002		
211121	J022	098	SPIRE PMW Ch 13 to 16	14-	SPB-	12AXD-38	S072	HSJFP	121210	P023	015		
211121	J022	128	SPIRE PMW Ch 13 to 16	14gnd	SPB-	12AXD-38	S072	HSJFP	121210	P023	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	-		-			-						
211121	J022	108	SPIRE PMW Ch 13 to 16	15+	SPB-	12AXD-38	S072	HSJFP	121210	P023	003		
211121	J022	109	SPIRE PMW Ch 13 to 16	15-	SPB-	12AXD-38	S072	HSJFP	121210	P023	016		
211121	J022	128	SPIRE PMW Ch 13 to 16	15gnd	SPB-	12AXD-38	S072	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	116	SPIRE PMW Ch 13 to 16	16+	SPB-	12AXD-38	S072	HSJFP	121210	P023	004		
211121	J022	117	SPIRE PMW Ch 13 to 16	16-	SPB-	12AXD-38	S072	HSJFP	121210	P023	017		
211121	J022	128	SPIRE PMW Ch 13 to 16	16gnd	SPB-	12AXD-38	S072	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	128	SPIRE PMW Ch 13 to 16	SHD72	SPB-	12AXD-38	S072	HSJFP	121210	P023	013		
211121	J022	FCR	SPIRE PMW Ch 13 to 16	COS72	SPB-	12AXD-38	S072	HSJFP	121210	P023	CH		
211121	J022	-		-			-						
211121	J022	055	SPIRE PMW Ch17 to 19	17+	SPB-	12AXD-38	S073	HSJFP	121210	P023	005		
211121	J022	066	SPIRE PMW Ch17 to 19	17-	SPB-	12AXD-38	S073	HSJFP	121210	P023	018		
211121	J022	128	SPIRE PMW Ch17 to 19	17gnd	SPB-	12AXD-38	S073	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	067	SPIRE PMW Ch17 to 19	18+	SPB-	12AXD-38	S073	HSJFP	121210	P023	006		
211121	J022	078	SPIRE PMW Ch17 to 19	18-	SPB-	12AXD-38	S073	HSJFP	121210	P023	019		
211121	J022	128	SPIRE PMW Ch17 to 19	18gnd	SPB-	12AXD-38	S073	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	076	SPIRE PMW Ch17 to 19	19+	SPB-	12AXD-38	S073	HSJFP	121210	P023	020		
211121	J022	077	SPIRE PMW Ch17 to 19	19-	SPB-	12AXD-38	S073	HSJFP	121210	P023	007		
211121	J022	128	SPIRE PMW Ch17 to 19	19gnd	SPB-	12AXD-38	S073	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	088	SPIRE PMW Ch 20	20+	SPB-	12AXD-38	S73A	HSJFP	121210	P023	021		
211121	J022	089	SPIRE PMW Ch 20	20-	SPB-	12AXD-38	S73A	HSJFP	121210	P023	008		
211121	J022	128	SPIRE PMW Ch 20	20gnd	SPB-	12AXD-38	S73A	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	128	SPIRE PMW Ch17 to 19	SHD73	SPB-	12AXD-38	S073	HSJFP	121210	P023	013		
211121	J022	FCR	SPIRE PMW Ch17 to 19	COS73	SPB-	12AXD-38	S073	HSJFP	121210	P023	CH		
211121	J022	-		-			-						
211121	J022	099	SPIRE PMW Ch21 to 24	21+	SPB-	12AXD-38	S074	HSJFP	121210	P023	022		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	100	SPIRE PMW Ch21 to 24	21-	SPB-	12AXD-38	S074	HSJFP	121210	P023	009		
211121	J022	128	SPIRE PMW Ch21 to 24	21gnd	SPB-	12AXD-38	S074	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	110	SPIRE PMW Ch21 to 24	22+	SPB-	12AXD-38	S074	HSJFP	121210	P023	023		
211121	J022	111	SPIRE PMW Ch21 to 24	22-	SPB-	12AXD-38	S074	HSJFP	121210	P023	010		
211121	J022	128	SPIRE PMW Ch21 to 24	22gnd	SPB-	12AXD-38	S074	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	118	SPIRE PMW Ch21 to 24	23+	SPB-	12AXD-38	S074	HSJFP	121210	P023	024		
211121	J022	119	SPIRE PMW Ch21 to 24	23-	SPB-	12AXD-38	S074	HSJFP	121210	P023	011		
211121	J022	128	SPIRE PMW Ch21 to 24	23gnd	SPB-	12AXD-38	S074	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	112	SPIRE PMW Ch21 to 24	24+	SPB-	12AXD-38	S074	HSJFP	121210	P023	025		
211121	J022	120	SPIRE PMW Ch21 to 24	24-	SPB-	12AXD-38	S074	HSJFP	121210	P023	012		
211121	J022	128	SPIRE PMW Ch21 to 24	24gnd	SPB-	12AXD-38	S074	HSJFP	121210	P023	013		
211121	J022	-		-			-						
211121	J022	128	SPIRE PMW Ch21 to 24	SHD74	SPB-	12AXD-38	S074	HSJFP	121210	P023	013		
211121	J022	FCR	SPIRE PMW Ch21 to 24	COS74	SPB-	12AXD-38	S074	HSJFP	121210	P023	CH		
211121	J022	-		-			-						
211121	J022	090	SPIRE PMW Ch25 to 28	25+	SPB-	12AXD-38	S076	HSJFP	121210	P022	001		
211121	J022	079	SPIRE PMW Ch25 to 28	25-	SPB-	12AXD-38	S076	HSJFP	121210	P022	014		
211121	J022	047	SPIRE PMW Ch25 to 28	25gnd	SPB-	12AXD-38	S076	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	102	SPIRE PMW Ch25 to 28	26+	SPB-	12AXD-38	S076	HSJFP	121210	P022	002		
211121	J022	101	SPIRE PMW Ch25 to 28	26-	SPB-	12AXD-38	S076	HSJFP	121210	P022	015		
211121	J022	047	SPIRE PMW Ch25 to 28	26gnd	SPB-	12AXD-38	S076	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	092	SPIRE PMW Ch25 to 28	27+	SPB-	12AXD-38	S076	HSJFP	121210	P022	003		
211121	J022	091	SPIRE PMW Ch25 to 28	27-	SPB-	12AXD-38	S076	HSJFP	121210	P022	016		
211121	J022	047	SPIRE PMW Ch25 to 28	27gnd	SPB-	12AXD-38	S076	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	103	SPIRE PMW Ch25 to 28	28+	SPB-	12AXD-38	S076	HSJFP	121210	P022	004		
211121	J022	113	SPIRE PMW Ch25 to 28	28-	SPB-	12AXD-38	S076	HSJFP	121210	P022	017		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	047	SPIRE PMW Ch25 to 28	28gnd	SPB-	12AXD-38	S076	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	047	SPIRE PMW Ch25 to 28	SHD76	SPB-	12AXD-38	S076	HSJFP	121210	P022	013		
211121	J022	FCR	SPIRE PMW Ch25 to 28	COS76	SPB-	12AXD-38	S076	HSJFP	121210	P022	CH		
211121	J022	-		-			-						
211121	J022	058	SPIRE PMW Ch29 to 32	29+	SPB-	12AXD-38	S077	HSJFP	121210	P022	005		
211121	J022	046	SPIRE PMW Ch29 to 32	29-	SPB-	12AXD-38	S077	HSJFP	121210	P022	018		
211121	J022	047	SPIRE PMW Ch29 to 32	29gnd	SPB-	12AXD-38	S077	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	068	SPIRE PMW Ch29 to 32	30+	SPB-	12AXD-38	S077	HSJFP	121210	P022	006		
211121	J022	057	SPIRE PMW Ch29 to 32	30-	SPB-	12AXD-38	S077	HSJFP	121210	P022	019		
211121	J022	047	SPIRE PMW Ch29 to 32	30gnd	SPB-	12AXD-38	S077	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	069	SPIRE PMW Ch29 to 32	31+	SPB-	12AXD-38	S077	HSJFP	121210	P022	020		
211121	J022	080	SPIRE PMW Ch29 to 32	31-	SPB-	12AXD-38	S077	HSJFP	121210	P022	007		
211121	J022	047	SPIRE PMW Ch29 to 32	31gnd	SPB-	12AXD-38	S077	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	070	SPIRE PMW Ch29 to 32	32+	SPB-	12AXD-38	S077	HSJFP	121210	P022	021		
211121	J022	081	SPIRE PMW Ch29 to 32	32-	SPB-	12AXD-38	S077	HSJFP	121210	P022	008		
211121	J022	047	SPIRE PMW Ch29 to 32	32gnd	SPB-	12AXD-38	S077	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	047	SPIRE PMW Ch29 to 32	SHD77	SPB-	12AXD-38	S077	HSJFP	121210	P022	013		
211121	J022	FCR	SPIRE PMW Ch29 to 32	COS77	SPB-	12AXD-38	S077	HSJFP	121210	P022	CH		
211121	J022	-		-			-						
211121	J022	023	SPIRE PMW Ch33 to 35	33+	SPB-	12AXD-38	S078	HSJFP	121210	P022	022		
211121	J022	034	SPIRE PMW Ch33 to 35	33-	SPB-	12AXD-38	S078	HSJFP	121210	P022	009		
211121	J022	047	SPIRE PMW Ch33 to 35	33gnd	SPB-	12AXD-38	S078	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	033	SPIRE PMW Ch33 to 35	34+	SPB-	12AXD-38	S078	HSJFP	121210	P022	023		
211121	J022	045	SPIRE PMW Ch33 to 35	34-	SPB-	12AXD-38	S078	HSJFP	121210	P022	010		
211121	J022	047	SPIRE PMW Ch33 to 35	34gnd	SPB-	12AXD-38	S078	HSJFP	121210	P022	013		
211121	J022	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	044	SPIRE PMW Ch33 to 35	35+	SPB-	12AXD-38	S078	HSJFP	121210	P022	024		
211121	J022	056	SPIRE PMW Ch33 to 35	35-	SPB-	12AXD-38	S078	HSJFP	121210	P022	011		
211121	J022	047	SPIRE PMW Ch33 to 35	35gnd	SPB-	12AXD-38	S078	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	022	SPIRE PMW Ch36	36+	SPB-	12AXD-38	S78A	HSJFP	121210	P022	025		
211121	J022	032	SPIRE PMW Ch36	36-	SPB-	12AXD-38	S78A	HSJFP	121210	P022	012		
211121	J022	047	SPIRE PMW Ch36	36gnd	SPB-	12AXD-38	S78A	HSJFP	121210	P022	013		
211121	J022	-		-			-						
211121	J022	047	SPIRE PMW Ch33 to 35	SHD78	SPB-	12AXD-38	S078	HSJFP	121210	P022	013		
211121	J022	FCR	SPIRE PMW Ch33 to 35	COS78	SPB-	12AXD-38	S078	HSJFP	121210	P022	CH		
211121	J022	-		-			-						
211121	J022	013	SPIRE PMW Ch37 to 40	37+	SPB-	12AXD-38	S083	HSJFP	121210	P021	001		
211121	J022	012	SPIRE PMW Ch37 to 40	37-	SPB-	12AXD-38	S083	HSJFP	121210	P021	014		
211121	J022	004	SPIRE PMW Ch37 to 40	37gnd	SPB-	12AXD-38	S083	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	021	SPIRE PMW Ch37 to 40	38+	SPB-	12AXD-38	S083	HSJFP	121210	P021	002		
211121	J022	020	SPIRE PMW Ch37 to 40	38-	SPB-	12AXD-38	S083	HSJFP	121210	P021	015		
211121	J022	004	SPIRE PMW Ch37 to 40	38gnd	SPB-	12AXD-38	S083	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	031	SPIRE PMW Ch37 to 40	39+	SPB-	12AXD-38	S083	HSJFP	121210	P021	003		
211121	J022	043	SPIRE PMW Ch37 to 40	39-	SPB-	12AXD-38	S083	HSJFP	121210	P021	016		
211121	J022	004	SPIRE PMW Ch37 to 40	39gnd	SPB-	12AXD-38	S083	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	042	SPIRE PMW Ch37 to 40	40+	SPB-	12AXD-38	S083	HSJFP	121210	P021	004		
211121	J022	054	SPIRE PMW Ch37 to 40	40-	SPB-	12AXD-38	S083	HSJFP	121210	P021	017		
211121	J022	004	SPIRE PMW Ch37 to 40	40gnd	SPB-	12AXD-38	S083	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	004	SPIRE PMW Ch37 to 40	SHD83	SPB-	12AXD-38	S083	HSJFP	121210	P021	013		
211121	J022	FCR	SPIRE PMW Ch37 to 40	COS83	SPB-	12AXD-38	S083	HSJFP	121210	P021	CH		
211121	J022	-		-			-						
211121	J022	010	SPIRE PMW Ch41 to 44	41+	SPB-	12AXD-38	S081	HSJFP	121210	P021	005		
211121	J022	011	SPIRE PMW Ch41 to 44	41-	SPB-	12AXD-38	S081	HSJFP	121210	P021	018		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	004	SPIRE PMW Ch41 to 44	41gnd	SPB-	12AXD-38	S081	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	019	SPIRE PMW Ch41 to 44	42+	SPB-	12AXD-38	S081	HSJFP	121210	P021	006		
211121	J022	029	SPIRE PMW Ch41 to 44	42-	SPB-	12AXD-38	S081	HSJFP	121210	P021	019		
211121	J022	004	SPIRE PMW Ch41 to 44	42gnd	SPB-	12AXD-38	S081	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	041	SPIRE PMW Ch41 to 44	43+	SPB-	12AXD-38	S081	HSJFP	121210	P021	020		
211121	J022	030	SPIRE PMW Ch41 to 44	43-	SPB-	12AXD-38	S081	HSJFP	121210	P021	007		
211121	J022	004	SPIRE PMW Ch41 to 44	43gnd	SPB-	12AXD-38	S081	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	053	SPIRE PMW Ch41 to 44	44+	SPB-	12AXD-38	S081	HSJFP	121210	P021	021		
211121	J022	052	SPIRE PMW Ch41 to 44	44-	SPB-	12AXD-38	S081	HSJFP	121210	P021	008		
211121	J022	004	SPIRE PMW Ch41 to 44	44gnd	SPB-	12AXD-38	S081	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	004	SPIRE PMW Ch41 to 44	SHD81	SPB-	12AXD-38	S081	HSJFP	121210	P021	013		
211121	J022	FCR	SPIRE PMW Ch41 to 44	COS81	SPB-	12AXD-38	S081	HSJFP	121210	P021	CH		
211121	J022	-		-			-						
211121	J022	009	SPIRE PMW Ch45 to 48	45+	SPB-	12AXD-38	S082	HSJFP	121210	P021	022		
211121	J022	017	SPIRE PMW Ch45 to 48	45-	SPB-	12AXD-38	S082	HSJFP	121210	P021	009		
211121	J022	004	SPIRE PMW Ch45 to 48	45gnd	SPB-	12AXD-38	S082	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	018	SPIRE PMW Ch45 to 48	46+	SPB-	12AXD-38	S082	HSJFP	121210	P021	023		
211121	J022	028	SPIRE PMW Ch45 to 48	46-	SPB-	12AXD-38	S082	HSJFP	121210	P021	010		
211121	J022	004	SPIRE PMW Ch45 to 48	46gnd	SPB-	12AXD-38	S082	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	016	SPIRE PMW Ch45 to 48	47+	SPB-	12AXD-38	S082	HSJFP	121210	P021	024		
211121	J022	027	SPIRE PMW Ch45 to 48	47-	SPB-	12AXD-38	S082	HSJFP	121210	P021	011		
211121	J022	004	SPIRE PMW Ch45 to 48	47gnd	SPB-	12AXD-38	S082	HSJFP	121210	P021	013		
211121	J022	-		-			-						
211121	J022	040	SPIRE PMW Ch45 to 48	48+	SPB-	12AXD-38	S082	HSJFP	121210	P021	025		
211121	J022	039	SPIRE PMW Ch45 to 48	48-	SPB-	12AXD-38	S082	HSJFP	121210	P021	012		
211121	J022	004	SPIRE PMW Ch45 to 48	48gnd	SPB-	12AXD-38	S082	HSJFP	121210	P021	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	-		-			-						
211121	J022	004	SPIRE PMW Ch45 to 48	SHD82	SPB-	12AXD-38	S082	HSJFP	121210	P021	013		
211121	J022	FCR	SPIRE PMW Ch45 to 48	COS82	SPB-	12AXD-38	S082	HSJFP	121210	P021	CH		
211121	J022	-		-			-						
211121	J022	001	to be con as part of FCR	-			-						
211121	J022	002	to be con as part of FCR	-			-						
211121	J022	003	to be con as part of FCR	-			-						
211121	J022	005	to be con as part of FCR	-			-						
211121	J022	006	to be con as part of FCR	-			-						
211121	J022	007	to be con as part of FCR	-			-						
211121	J022	008	to be con as part of FCR	-			-						
211121	J022	014	to be con as part of FCR	-			-						
211121	J022	015	to be con as part of FCR	-			-						
211121	J022	024	to be con as part of FCR	-			-						
211121	J022	025	to be con as part of FCR	-			-						
211121	J022	035	to be con as part of FCR	-			-						
211121	J022	082	to be con as part of FCR	-			-						
211121	J022	093	to be con as part of FCR	-			-						
211121	J022	094	to be con as part of FCR	-			-						
211121	J022	104	to be con as part of FCR	-			-						
211121	J022	105	to be con as part of FCR	-			-						
211121	J022	114	to be con as part of FCR	-			-						
211121	J022	115	to be con as part of FCR	-			-						
211121	J022	121	to be con as part of FCR	-			-						
211121	J022	122	to be con as part of FCR	-			-						
211121	J022	123	to be con as part of FCR	-			-						
211121	J022	124	to be con as part of FCR	-			-						
211121	J022	125	to be con as part of FCR	-			-						
211121	J022	126	to be con as part of FCR	-			-						
211121	J022	127	to be con as part of FCR	-			-						
211121	J022	-		-			-						

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J022	-	CH to be isolated from FCR	-			-						
211121	J022	-	Bundles isolated from S/C structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	026	SPIRE PMW Ch01-04	1+	SPB-	12AXD-38	S085	HSJFP	121210	P017	001		
211121	J023	037	SPIRE PMW Ch01-04	1-	SPB-	12AXD-38	S085	HSJFP	121210	P017	014		
211121	J023	036	SPIRE PMW Ch01-04	1gnd	SPB-	12AXD-38	S085	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	038	SPIRE PMW Ch01-04	2+	SPB-	12AXD-38	S085	HSJFP	121210	P017	002		
211121	J023	049	SPIRE PMW Ch01-04	2-	SPB-	12AXD-38	S085	HSJFP	121210	P017	015		
211121	J023	036	SPIRE PMW Ch01-04	2gnd	SPB-	12AXD-38	S085	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	048	SPIRE PMW Ch01-04	3+	SPB-	12AXD-38	S085	HSJFP	121210	P017	003		
211121	J023	060	SPIRE PMW Ch01-04	3-	SPB-	12AXD-38	S085	HSJFP	121210	P017	016		
211121	J023	036	SPIRE PMW Ch01-04	3gnd	SPB-	12AXD-38	S085	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	059	SPIRE PMW Ch01-04	4+	SPB-	12AXD-38	S085	HSJFP	121210	P017	004		
211121	J023	071	SPIRE PMW Ch01-04	4-	SPB-	12AXD-38	S085	HSJFP	121210	P017	017		
211121	J023	036	SPIRE PMW Ch01-04	4gnd	SPB-	12AXD-38	S085	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	036	SPIRE PMW Ch01-04	SHD85	SPB-	12AXD-38	S085	HSJFP	121210	P017	013		
211121	J023	FCR	SPIRE PMW Ch01-04	COS85	SPB-	12AXD-38	S085	HSJFP	121210	P017	CH		
211121	J023	-		-			-						
211121	J023	050	SPIRE PMW Ch05-08	5+	SPB-	12AXD-38	S086	HSJFP	121210	P017	005		
211121	J023	061	SPIRE PMW Ch05-08	5-	SPB-	12AXD-38	S086	HSJFP	121210	P017	018		
211121	J023	036	SPIRE PMW Ch05-08	5gnd	SPB-	12AXD-38	S086	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	062	SPIRE PMW Ch05-08	6+	SPB-	12AXD-38	S086	HSJFP	121210	P017	006		
211121	J023	051	SPIRE PMW Ch05-08	6-	SPB-	12AXD-38	S086	HSJFP	121210	P017	019		
211121	J023	036	SPIRE PMW Ch05-08	6gnd	SPB-	12AXD-38	S086	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	063	SPIRE PMW Ch05-08	7+	SPB-	12AXD-38	S086	HSJFP	121210	P017	020		
211121	J023	075	SPIRE PMW Ch05-08	7-	SPB-	12AXD-38	S086	HSJFP	121210	P017	007		
211121	J023	036	SPIRE PMW Ch05-08	7gnd	SPB-	12AXD-38	S086	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	074	SPIRE PMW Ch05-08	8+	SPB-	12AXD-38	S086	HSJFP	121210	P017	021		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	073	SPIRE PMW Ch05-08	8-	SPB-	12AXD-38	S086	HSJFP	121210	P017	008		
211121	J023	036	SPIRE PMW Ch05-08	8gnd	SPB-	12AXD-38	S086	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	036	SPIRE PMW Ch05-08	SHD86	SPB-	12AXD-38	S086	HSJFP	121210	P017	013		
211121	J023	FCR	SPIRE PMW Ch05-08	COS86	SPB-	12AXD-38	S086	HSJFP	121210	P017	CH		
211121	J023	-		-			-						
211121	J023	083	SPIRE PMW Ch09-12	9+	SPB-	12AXD-38	S087	HSJFP	121210	P017	022		
211121	J023	072	SPIRE PMW Ch09-12	9-	SPB-	12AXD-38	S087	HSJFP	121210	P017	009		
211121	J023	036	SPIRE PMW Ch09-12	9gnd	SPB-	12AXD-38	S087	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	095	SPIRE PMW Ch09-12	10+	SPB-	12AXD-38	S087	HSJFP	121210	P017	023		
211121	J023	084	SPIRE PMW Ch09-12	10-	SPB-	12AXD-38	S087	HSJFP	121210	P017	010		
211121	J023	036	SPIRE PMW Ch09-12	10gnd	SPB-	12AXD-38	S087	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	096	SPIRE PMW Ch09-12	11+	SPB-	12AXD-38	S087	HSJFP	121210	P017	024		
211121	J023	085	SPIRE PMW Ch09-12	11-	SPB-	12AXD-38	S087	HSJFP	121210	P017	011		
211121	J023	036	SPIRE PMW Ch09-12	11gnd	SPB-	12AXD-38	S087	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	106	SPIRE PMW Ch09-12	12+	SPB-	12AXD-38	S087	HSJFP	121210	P017	025		
211121	J023	107	SPIRE PMW Ch09-12	12-	SPB-	12AXD-38	S087	HSJFP	121210	P017	012		
211121	J023	036	SPIRE PMW Ch09-12	12gnd	SPB-	12AXD-38	S087	HSJFP	121210	P017	013		
211121	J023	-		-			-						
211121	J023	036	SPIRE PMW Ch09-12	SHD87	SPB-	12AXD-38	S087	HSJFP	121210	P017	013		
211121	J023	FCR	SPIRE PMW Ch09-12	COS87	SPB-	12AXD-38	S087	HSJFP	121210	P017	CH		
211121	J023	-		-			-						
211121	J023	086	SPIRE PMW Ch13-16	13+	SPB-	12AXD-38	S090	HSJFP	121210	P018	001		
211121	J023	087	SPIRE PMW Ch13-16	13-	SPB-	12AXD-38	S090	HSJFP	121210	P018	014		
211121	J023	128	SPIRE PMW Ch13-16	13gnd	SPB-	12AXD-38	S090	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	097	SPIRE PMW Ch13-16	14+	SPB-	12AXD-38	S090	HSJFP	121210	P018	002		
211121	J023	098	SPIRE PMW Ch13-16	14-	SPB-	12AXD-38	S090	HSJFP	121210	P018	015		
211121	J023	128	SPIRE PMW Ch13-16	14gnd	SPB-	12AXD-38	S090	HSJFP	121210	P018	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	-		-			-						
211121	J023	108	SPIRE PMW Ch13-16	15+	SPB-	12AXD-38	S090	HSJFP	121210	P018	003		
211121	J023	109	SPIRE PMW Ch13-16	15-	SPB-	12AXD-38	S090	HSJFP	121210	P018	016		
211121	J023	128	SPIRE PMW Ch13-16	15gnd	SPB-	12AXD-38	S090	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	116	SPIRE PMW Ch13-16	16+	SPB-	12AXD-38	S090	HSJFP	121210	P018	004		
211121	J023	117	SPIRE PMW Ch13-16	16-	SPB-	12AXD-38	S090	HSJFP	121210	P018	017		
211121	J023	128	SPIRE PMW Ch13-16	16gnd	SPB-	12AXD-38	S090	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	128	SPIRE PMW Ch13-16	SHD90	SPB-	12AXD-38	S090	HSJFP	121210	P018	013		
211121	J023	FCR	SPIRE PMW Ch13-16	COS90	SPB-	12AXD-38	S090	HSJFP	121210	P018	CH		
211121	J023	-		-			-						
211121	J023	055	SPIRE PMW Ch17-20	17+	SPB-	12AXD-38	S091	HSJFP	121210	P018	005		
211121	J023	066	SPIRE PMW Ch17-20	17-	SPB-	12AXD-38	S091	HSJFP	121210	P018	018		
211121	J023	128	SPIRE PMW Ch17-20	17gnd	SPB-	12AXD-38	S091	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	067	SPIRE PMW Ch17-20	18+	SPB-	12AXD-38	S091	HSJFP	121210	P018	006		
211121	J023	078	SPIRE PMW Ch17-20	18-	SPB-	12AXD-38	S091	HSJFP	121210	P018	019		
211121	J023	128	SPIRE PMW Ch17-20	18gnd	SPB-	12AXD-38	S091	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	076	SPIRE PMW Ch17-20	19+	SPB-	12AXD-38	S091	HSJFP	121210	P018	020		
211121	J023	077	SPIRE PMW Ch17-20	19-	SPB-	12AXD-38	S091	HSJFP	121210	P018	007		
211121	J023	128	SPIRE PMW Ch17-20	19gnd	SPB-	12AXD-38	S091	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	088	SPIRE PMW Ch17-20	20+	SPB-	12AXD-38	S091	HSJFP	121210	P018	021		
211121	J023	089	SPIRE PMW Ch17-20	20-	SPB-	12AXD-38	S091	HSJFP	121210	P018	008		
211121	J023	128	SPIRE PMW Ch17-20	20gnd	SPB-	12AXD-38	S091	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	128	SPIRE PMW Ch17-20	SHD91	SPB-	12AXD-38	S091	HSJFP	121210	P018	013		
211121	J023	FCR	SPIRE PMW Ch17-20	COS91	SPB-	12AXD-38	S091	HSJFP	121210	P018	CH		
211121	J023	-		-			-						
211121	J023	099	SPIRE PMW Ch21-24	21+	SPB-	12AXD-38	S092	HSJFP	121210	P018	022		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	100	SPIRE PMW Ch21-24	21-	SPB-	12AXD-38	S092	HSJFP	121210	P018	009		
211121	J023	128	SPIRE PMW Ch21-24	21gnd	SPB-	12AXD-38	S092	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	110	SPIRE PMW Ch21-24	22+	SPB-	12AXD-38	S092	HSJFP	121210	P018	023		
211121	J023	111	SPIRE PMW Ch21-24	22-	SPB-	12AXD-38	S092	HSJFP	121210	P018	010		
211121	J023	128	SPIRE PMW Ch21-24	22gnd	SPB-	12AXD-38	S092	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	118	SPIRE PMW Ch21-24	23+	SPB-	12AXD-38	S092	HSJFP	121210	P018	024		
211121	J023	119	SPIRE PMW Ch21-24	23-	SPB-	12AXD-38	S092	HSJFP	121210	P018	011		
211121	J023	128	SPIRE PMW Ch21-24	23gnd	SPB-	12AXD-38	S092	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	112	SPIRE PMW Ch21-24	24+	SPB-	12AXD-38	S092	HSJFP	121210	P018	025		
211121	J023	120	SPIRE PMW Ch21-24	24-	SPB-	12AXD-38	S092	HSJFP	121210	P018	012		
211121	J023	128	SPIRE PMW Ch21-24	24gnd	SPB-	12AXD-38	S092	HSJFP	121210	P018	013		
211121	J023	-		-			-						
211121	J023	128	SPIRE PMW Ch21-24	SHD92	SPB-	12AXD-38	S092	HSJFP	121210	P018	013		
211121	J023	FCR	SPIRE PMW Ch21-24	COS92	SPB-	12AXD-38	S092	HSJFP	121210	P018	CH		
211121	J023	-		-			-						
211121	J023	090	SPIRE PMW Ch25-28	25+	SPB-	12AXD-38	S094	HSJFP	121210	P019	001		
211121	J023	079	SPIRE PMW Ch25-28	25-	SPB-	12AXD-38	S094	HSJFP	121210	P019	014		
211121	J023	047	SPIRE PMW Ch25-28	25gnd	SPB-	12AXD-38	S094	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	102	SPIRE PMW Ch25-28	26+	SPB-	12AXD-38	S094	HSJFP	121210	P019	002		
211121	J023	101	SPIRE PMW Ch25-28	26-	SPB-	12AXD-38	S094	HSJFP	121210	P019	015		
211121	J023	047	SPIRE PMW Ch25-28	26gnd	SPB-	12AXD-38	S094	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	092	SPIRE PMW Ch25-28	27+	SPB-	12AXD-38	S094	HSJFP	121210	P019	003		
211121	J023	091	SPIRE PMW Ch25-28	27-	SPB-	12AXD-38	S094	HSJFP	121210	P019	016		
211121	J023	047	SPIRE PMW Ch25-28	27gnd	SPB-	12AXD-38	S094	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	103	SPIRE PMW Ch25-28	28+	SPB-	12AXD-38	S094	HSJFP	121210	P019	004		
211121	J023	113	SPIRE PMW Ch25-28	28-	SPB-	12AXD-38	S094	HSJFP	121210	P019	017		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	047	SPIRE PMW Ch25-28	28gnd	SPB-	12AXD-38	S094	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	047	SPIRE PMW Ch25-28	SHD94	SPB-	12AXD-38	S094	HSJFP	121210	P019	013		
211121	J023	FCR	SPIRE PMW Ch25-28	COS94	SPB-	12AXD-38	S094	HSJFP	121210	P019	CH		
211121	J023	-		-			-						
211121	J023	058	SPIRE PMW Ch29-32	29+	SPB-	12AXD-38	S095	HSJFP	121210	P019	005		
211121	J023	046	SPIRE PMW Ch29-32	29-	SPB-	12AXD-38	S095	HSJFP	121210	P019	018		
211121	J023	047	SPIRE PMW Ch29-32	29gnd	SPB-	12AXD-38	S095	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	068	SPIRE PMW Ch29-32	30+	SPB-	12AXD-38	S095	HSJFP	121210	P019	006		
211121	J023	057	SPIRE PMW Ch29-32	30-	SPB-	12AXD-38	S095	HSJFP	121210	P019	019		
211121	J023	047	SPIRE PMW Ch29-32	30gnd	SPB-	12AXD-38	S095	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	069	SPIRE PMW Ch29-32	31+	SPB-	12AXD-38	S095	HSJFP	121210	P019	020		
211121	J023	080	SPIRE PMW Ch29-32	31-	SPB-	12AXD-38	S095	HSJFP	121210	P019	007		
211121	J023	047	SPIRE PMW Ch29-32	31gnd	SPB-	12AXD-38	S095	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	070	SPIRE PMW Ch29-32	32+	SPB-	12AXD-38	S095	HSJFP	121210	P019	021		
211121	J023	081	SPIRE PMW Ch29-32	32-	SPB-	12AXD-38	S095	HSJFP	121210	P019	008		
211121	J023	047	SPIRE PMW Ch29-32	32gnd	SPB-	12AXD-38	S095	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	047	SPIRE PMW Ch29-32	SHD95	SPB-	12AXD-38	S095	HSJFP	121210	P019	013		
211121	J023	FCR	SPIRE PMW Ch29-32	COS95	SPB-	12AXD-38	S095	HSJFP	121210	P019	CH		
211121	J023	-		-			-						
211121	J023	023	SPIRE PMW Ch33-36	33+	SPB-	12AXD-38	S096	HSJFP	121210	P019	022		
211121	J023	034	SPIRE PMW Ch33-36	33-	SPB-	12AXD-38	S096	HSJFP	121210	P019	009		
211121	J023	047	SPIRE PMW Ch33-36	33gnd	SPB-	12AXD-38	S096	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	033	SPIRE PMW Ch33-36	34+	SPB-	12AXD-38	S096	HSJFP	121210	P019	023		
211121	J023	045	SPIRE PMW Ch33-36	34-	SPB-	12AXD-38	S096	HSJFP	121210	P019	010		
211121	J023	047	SPIRE PMW Ch33-36	34gnd	SPB-	12AXD-38	S096	HSJFP	121210	P019	013		
211121	J023	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	044	SPIRE PMW Ch33-36	35+	SPB-	12AXD-38	S096	HSJFP	121210	P019	024		
211121	J023	056	SPIRE PMW Ch33-36	35-	SPB-	12AXD-38	S096	HSJFP	121210	P019	011		
211121	J023	047	SPIRE PMW Ch33-36	35gnd	SPB-	12AXD-38	S096	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	022	SPIRE PMW Ch33-36	36+	SPB-	12AXD-38	S096	HSJFP	121210	P019	025		
211121	J023	032	SPIRE PMW Ch33-36	36-	SPB-	12AXD-38	S096	HSJFP	121210	P019	012		
211121	J023	047	SPIRE PMW Ch33-36	36gnd	SPB-	12AXD-38	S096	HSJFP	121210	P019	013		
211121	J023	-		-			-						
211121	J023	047	SPIRE PMW Ch33-36	SHD96	SPB-	12AXD-38	S096	HSJFP	121210	P019	013		
211121	J023	FCR	SPIRE PMW Ch33-36	COS96	SPB-	12AXD-38	S096	HSJFP	121210	P019	CH		
211121	J023	-		-			-						
211121	J023	013	SPIRE PMW Ch37-40	37+	SPB-	12AXD-38	S099	HSJFP	121210	P020	001		
211121	J023	012	SPIRE PMW Ch37-40	37-	SPB-	12AXD-38	S099	HSJFP	121210	P020	014		
211121	J023	004	SPIRE PMW Ch37-40	37gnd	SPB-	12AXD-38	S099	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	021	SPIRE PMW Ch37-40	38+	SPB-	12AXD-38	S099	HSJFP	121210	P020	002		
211121	J023	020	SPIRE PMW Ch37-40	38-	SPB-	12AXD-38	S099	HSJFP	121210	P020	015		
211121	J023	004	SPIRE PMW Ch37-40	38gnd	SPB-	12AXD-38	S099	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	031	SPIRE PMW Ch37-40	39+	SPB-	12AXD-38	S099	HSJFP	121210	P020	003		
211121	J023	043	SPIRE PMW Ch37-40	39-	SPB-	12AXD-38	S099	HSJFP	121210	P020	016		
211121	J023	004	SPIRE PMW Ch37-40	39gnd	SPB-	12AXD-38	S099	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	042	SPIRE PMW Ch37-40	40+	SPB-	12AXD-38	S099	HSJFP	121210	P020	004		
211121	J023	054	SPIRE PMW Ch37-40	40-	SPB-	12AXD-38	S099	HSJFP	121210	P020	017		
211121	J023	004	SPIRE PMW Ch37-40	40gnd	SPB-	12AXD-38	S099	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	004	SPIRE PMW Ch37-40	SHD99	SPB-	12AXD-38	S099	HSJFP	121210	P020	013		
211121	J023	FCR	SPIRE PMW Ch37-40	COS99	SPB-	12AXD-38	S099	HSJFP	121210	P020	CH		
211121	J023	-		-			-						
211121	J023	010	SPIRE PMW Ch41-44	41+	SPB-	12AXD-38	S100	HSJFP	121210	P020	005		
211121	J023	011	SPIRE PMW Ch41-44	41-	SPB-	12AXD-38	S100	HSJFP	121210	P020	018		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	004	SPIRE PMW Ch41-44	41gnd	SPB-	12AXD-38	S100	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	019	SPIRE PMW Ch41-44	42+	SPB-	12AXD-38	S100	HSJFP	121210	P020	006		
211121	J023	029	SPIRE PMW Ch41-44	42-	SPB-	12AXD-38	S100	HSJFP	121210	P020	019		
211121	J023	004	SPIRE PMW Ch41-44	42gnd	SPB-	12AXD-38	S100	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	041	SPIRE PMW Ch41-44	43+	SPB-	12AXD-38	S100	HSJFP	121210	P020	020		
211121	J023	030	SPIRE PMW Ch41-44	43-	SPB-	12AXD-38	S100	HSJFP	121210	P020	007		
211121	J023	004	SPIRE PMW Ch41-44	43gnd	SPB-	12AXD-38	S100	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	053	SPIRE PMW Ch41-44	44+	SPB-	12AXD-38	S100	HSJFP	121210	P020	021		
211121	J023	052	SPIRE PMW Ch41-44	44-	SPB-	12AXD-38	S100	HSJFP	121210	P020	008		
211121	J023	004	SPIRE PMW Ch41-44	44gnd	SPB-	12AXD-38	S100	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	004	SPIRE PMW Ch41-44	SHD64	SPB-	12AXD-38	S100	HSJFP	121210	P020	013		
211121	J023	FCR	SPIRE PMW Ch41-44	COS64	SPB-	12AXD-38	S100	HSJFP	121210	P020	CH		
211121	J023	-		-			-						
211121	J023	009	SPIRE PMW Ch45-48	45+	SPB-	12AXD-38	S101	HSJFP	121210	P020	022		
211121	J023	017	SPIRE PMW Ch45-48	45-	SPB-	12AXD-38	S101	HSJFP	121210	P020	009		
211121	J023	004	SPIRE PMW Ch45-48	45gnd	SPB-	12AXD-38	S101	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	018	SPIRE PMW Ch45-48	46+	SPB-	12AXD-38	S101	HSJFP	121210	P020	023		
211121	J023	028	SPIRE PMW Ch45-48	46-	SPB-	12AXD-38	S101	HSJFP	121210	P020	010		
211121	J023	004	SPIRE PMW Ch45-48	46gnd	SPB-	12AXD-38	S101	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	016	SPIRE PMW Ch45-48	47+	SPB-	12AXD-38	S101	HSJFP	121210	P020	024		
211121	J023	027	SPIRE PMW Ch45-48	47-	SPB-	12AXD-38	S101	HSJFP	121210	P020	011		
211121	J023	004	SPIRE PMW Ch45-48	47gnd	SPB-	12AXD-38	S101	HSJFP	121210	P020	013		
211121	J023	-		-			-						
211121	J023	040	SPIRE PMW Ch45-48	48+	SPB-	12AXD-38	S101	HSJFP	121210	P020	025		
211121	J023	039	SPIRE PMW Ch45-48	48-	SPB-	12AXD-38	S101	HSJFP	121210	P020	012		
211121	J023	004	SPIRE PMW Ch45-48	48gnd	SPB-	12AXD-38	S101	HSJFP	121210	P020	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023	-		-			-						
211121	J023	004	SPIRE PMW Ch45-48	SHD01	SPB-	12AXD-38	S101	HSJFP	121210	P020	013		
211121	J023	FCR	SPIRE PMW Ch45-48	COS01	SPB-	12AXD-38	S101	HSJFP	121210	P020	CH		
211121	J023	-		-			-						
211121	J023	001	to be con as part of FCR	-			-						
211121	J023	002	to be con as part of FCR	-			-						
211121	J023	003	to be con as part of FCR	-			-						
211121	J023	005	to be con as part of FCR	-			-						
211121	J023	006	to be con as part of FCR	-			-						
211121	J023	007	to be con as part of FCR	-			-						
211121	J023	008	to be con as part of FCR	-			-						
211121	J023	014	to be con as part of FCR	-			-						
211121	J023	015	to be con as part of FCR	-			-						
211121	J023	024	to be con as part of FCR	-			-						
211121	J023	025	to be con as part of FCR	-			-						
211121	J023	035	to be con as part of FCR	-			-						
211121	J023	082	to be con as part of FCR	-			-						
211121	J023	093	to be con as part of FCR	-			-						
211121	J023	094	to be con as part of FCR	-			-						
211121	J023	104	to be con as part of FCR	-			-						
211121	J023	105	to be con as part of FCR	-			-						
211121	J023	114	to be con as part of FCR	-			-						
211121	J023	115	to be con as part of FCR	-			-						
211121	J023	121	to be con as part of FCR	-			-						
211121	J023	122	to be con as part of FCR	-			-						
211121	J023	123	to be con as part of FCR	-			-						
211121	J023	124	to be con as part of FCR	-			-						
211121	J023	125	to be con as part of FCR	-			-						
211121	J023	126	to be con as part of FCR	-			-						
211121	J023	127	to be con as part of FCR	-			-						
211121	J023	-		-			-						

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J023		CH to be isolated from FCR	-			-						
211121	J023	-	Bundles isolated from S/C Structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	026	SPIRE PLW Ch01-04	1+	SPA-	12AXD-38	S104	HSJFP	121210	P013	001		
211121	J024	037	SPIRE PLW Ch01-04	1-	SPA-	12AXD-38	S104	HSJFP	121210	P013	014		
211121	J024	036	SPIRE PLW Ch01-04	1gnd	SPA-	12AXD-38	S104	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	038	SPIRE PLW Ch01-04	2+	SPA-	12AXD-38	S104	HSJFP	121210	P013	002		
211121	J024	049	SPIRE PLW Ch01-04	2-	SPA-	12AXD-38	S104	HSJFP	121210	P013	015		
211121	J024	036	SPIRE PLW Ch01-04	2gnd	SPA-	12AXD-38	S104	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	048	SPIRE PLW Ch01-04	3+	SPA-	12AXD-38	S104	HSJFP	121210	P013	003		
211121	J024	060	SPIRE PLW Ch01-04	3-	SPA-	12AXD-38	S104	HSJFP	121210	P013	016		
211121	J024	036	SPIRE PLW Ch01-04	3gnd	SPA-	12AXD-38	S104	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	059	SPIRE PLW Ch01-04	4+	SPA-	12AXD-38	S104	HSJFP	121210	P013	004		
211121	J024	071	SPIRE PLW Ch01-04	4-	SPA-	12AXD-38	S104	HSJFP	121210	P013	017		
211121	J024	036	SPIRE PLW Ch01-04	4gnd	SPA-	12AXD-38	S104	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	036	SPIRE PLW Ch01-04	SHD04	SPA-	12AXD-38	S104	HSJFP	121210	P013	013		
211121	J024	FCR	SPIRE PLW Ch01-04	COS04	SPA-	12AXD-38	S104	HSJFP	121210	P013	CH		
211121	J024	-		-			-						
211121	J024	050	SPIRE PLW Ch05-08	5+	SPA-	12AXD-38	S105	HSJFP	121210	P013	005		
211121	J024	061	SPIRE PLW Ch05-08	5-	SPA-	12AXD-38	S105	HSJFP	121210	P013	018		
211121	J024	036	SPIRE PLW Ch05-08	5gnd	SPA-	12AXD-38	S105	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	062	SPIRE PLW Ch05-08	6+	SPA-	12AXD-38	S105	HSJFP	121210	P013	006		
211121	J024	051	SPIRE PLW Ch05-08	6-	SPA-	12AXD-38	S105	HSJFP	121210	P013	019		
211121	J024	036	SPIRE PLW Ch05-08	6gnd	SPA-	12AXD-38	S105	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	063	SPIRE PLW Ch05-08	7+	SPA-	12AXD-38	S105	HSJFP	121210	P013	020		
211121	J024	075	SPIRE PLW Ch05-08	7-	SPA-	12AXD-38	S105	HSJFP	121210	P013	007		
211121	J024	036	SPIRE PLW Ch05-08	7gnd	SPA-	12AXD-38	S105	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	074	SPIRE PLW Ch05-08	8+	SPA-	12AXD-38	S105	HSJFP	121210	P013	021		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	073	SPIRE PLW Ch05-08	8-	SPA-	12AXD-38	S105	HSJFP	121210	P013	008		
211121	J024	036	SPIRE PLW Ch05-08	8gnd	SPA-	12AXD-38	S105	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	036	SPIRE PLW Ch05-08	SHD05	SPA-	12AXD-38	S105	HSJFP	121210	P013	013		
211121	J024	FCR	SPIRE PLW Ch05-08	COS05	SPA-	12AXD-38	S105	HSJFP	121210	P013	CH		
211121	J024	-		-			-						
211121	J024	083	SPIRE PLW Ch09-12	9+	SPA-	12AXD-38	S106	HSJFP	121210	P013	022		
211121	J024	072	SPIRE PLW Ch09-12	9-	SPA-	12AXD-38	S106	HSJFP	121210	P013	009		
211121	J024	036	SPIRE PLW Ch09-12	9gnd	SPA-	12AXD-38	S106	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	095	SPIRE PLW Ch09-12	10+	SPA-	12AXD-38	S106	HSJFP	121210	P013	023		
211121	J024	084	SPIRE PLW Ch09-12	10-	SPA-	12AXD-38	S106	HSJFP	121210	P013	010		
211121	J024	036	SPIRE PLW Ch09-12	10gnd	SPA-	12AXD-38	S106	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	096	SPIRE PLW Ch09-12	11+	SPA-	12AXD-38	S106	HSJFP	121210	P013	024		
211121	J024	085	SPIRE PLW Ch09-12	11-	SPA-	12AXD-38	S106	HSJFP	121210	P013	011		
211121	J024	036	SPIRE PLW Ch09-12	11gnd	SPA-	12AXD-38	S106	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	106	SPIRE PLW Ch09-12	12+	SPA-	12AXD-38	S106	HSJFP	121210	P013	025		
211121	J024	107	SPIRE PLW Ch09-12	12-	SPA-	12AXD-38	S106	HSJFP	121210	P013	012		
211121	J024	036	SPIRE PLW Ch09-12	12gnd	SPA-	12AXD-38	S106	HSJFP	121210	P013	013		
211121	J024	-		-			-						
211121	J024	036	SPIRE PLW Ch09-12	SHD06	SPA-	12AXD-38	S106	HSJFP	121210	P013	013		
211121	J024	FCR	SPIRE PLW Ch09-12	COS06	SPA-	12AXD-38	S106	HSJFP	121210	P013	CH		
211121	J024	-		-			-						
211121	J024	086	SPIRE PLW Ch13-16	13+	SPA-	12AXD-38	S109	HSJFP	121210	P014	001		
211121	J024	087	SPIRE PLW Ch13-16	13-	SPA-	12AXD-38	S109	HSJFP	121210	P014	014		
211121	J024	128	SPIRE PLW Ch13-16	13gnd	SPA-	12AXD-38	S109	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	097	SPIRE PLW Ch13-16	14+	SPA-	12AXD-38	S109	HSJFP	121210	P014	002		
211121	J024	098	SPIRE PLW Ch13-16	14-	SPA-	12AXD-38	S109	HSJFP	121210	P014	015		
211121	J024	128	SPIRE PLW Ch13-16	14gnd	SPA-	12AXD-38	S109	HSJFP	121210	P014	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	-		-			-						
211121	J024	108	SPIRE PLW Ch13-16	15+	SPA-	12AXD-38	S109	HSJFP	121210	P014	003		
211121	J024	109	SPIRE PLW Ch13-16	15-	SPA-	12AXD-38	S109	HSJFP	121210	P014	016		
211121	J024	128	SPIRE PLW Ch13-16	15gnd	SPA-	12AXD-38	S109	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	116	SPIRE PLW Ch13-16	16+	SPA-	12AXD-38	S109	HSJFP	121210	P014	004		
211121	J024	117	SPIRE PLW Ch13-16	16-	SPA-	12AXD-38	S109	HSJFP	121210	P014	017		
211121	J024	128	SPIRE PLW Ch13-16	16gnd	SPA-	12AXD-38	S109	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	128	SPIRE PLW Ch13-16	SHD09	SPA-	12AXD-38	S109	HSJFP	121210	P014	013		
211121	J024	FCR	SPIRE PLW Ch13-16	COS09	SPA-	12AXD-38	S109	HSJFP	121210	P014	CH		
211121	J024	-		-			-						
211121	J024	055	SPIRE PLW Ch17-20	17+	SPA-	12AXD-38	S110	HSJFP	121210	P014	005		
211121	J024	066	SPIRE PLW Ch17-20	17-	SPA-	12AXD-38	S110	HSJFP	121210	P014	018		
211121	J024	128	SPIRE PLW Ch17-20	17gnd	SPA-	12AXD-38	S110	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	067	SPIRE PLW Ch17-20	18+	SPA-	12AXD-38	S110	HSJFP	121210	P014	006		
211121	J024	078	SPIRE PLW Ch17-20	18-	SPA-	12AXD-38	S110	HSJFP	121210	P014	019		
211121	J024	128	SPIRE PLW Ch17-20	18gnd	SPA-	12AXD-38	S110	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	076	SPIRE PLW Ch17-20	19+	SPA-	12AXD-38	S110	HSJFP	121210	P014	020		
211121	J024	077	SPIRE PLW Ch17-20	19-	SPA-	12AXD-38	S110	HSJFP	121210	P014	007		
211121	J024	128	SPIRE PLW Ch17-20	19gnd	SPA-	12AXD-38	S110	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	088	SPIRE PLW Ch17-20	20+	SPA-	12AXD-38	S110	HSJFP	121210	P014	021		
211121	J024	089	SPIRE PLW Ch17-20	20-	SPA-	12AXD-38	S110	HSJFP	121210	P014	008		
211121	J024	128	SPIRE PLW Ch17-20	20gnd	SPA-	12AXD-38	S110	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	128	SPIRE PLW Ch17-20	SHD10	SPA-	12AXD-38	S110	HSJFP	121210	P014	013		
211121	J024	FCR	SPIRE PLW Ch17-20	COS10	SPA-	12AXD-38	S110	HSJFP	121210	P014	CH		
211121	J024	-		-			-						
211121	J024	099	SPIRE PLW Ch21-24	21+	SPA-	12AXD-38	S111	HSJFP	121210	P014	022		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	100	SPIRE PLW Ch21-24	21-	SPA-	12AXD-38	S111	HSJFP	121210	P014	009		
211121	J024	128	SPIRE PLW Ch21-24	21gnd	SPA-	12AXD-38	S111	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	110	SPIRE PLW Ch21-24	22+	SPA-	12AXD-38	S111	HSJFP	121210	P014	023		
211121	J024	111	SPIRE PLW Ch21-24	22-	SPA-	12AXD-38	S111	HSJFP	121210	P014	010		
211121	J024	128	SPIRE PLW Ch21-24	22gnd	SPA-	12AXD-38	S111	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	118	SPIRE PLW Ch21-24	23+	SPA-	12AXD-38	S111	HSJFP	121210	P014	024		
211121	J024	119	SPIRE PLW Ch21-24	23-	SPA-	12AXD-38	S111	HSJFP	121210	P014	011		
211121	J024	128	SPIRE PLW Ch21-24	23gnd	SPA-	12AXD-38	S111	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	112	SPIRE PLW Ch21-24	24+	SPA-	12AXD-38	S111	HSJFP	121210	P014	025		
211121	J024	120	SPIRE PLW Ch21-24	24-	SPA-	12AXD-38	S111	HSJFP	121210	P014	012		
211121	J024	128	SPIRE PLW Ch21-24	24gnd	SPA-	12AXD-38	S111	HSJFP	121210	P014	013		
211121	J024	-		-			-						
211121	J024	128	SPIRE PLW Ch21-24	SHD11	SPA-	12AXD-38	S111	HSJFP	121210	P014	013		
211121	J024	FCR	SPIRE PLW Ch21-24	COS11	SPA-	12AXD-38	S111	HSJFP	121210	P014	CH		
211121	J024	-		-			-						
211121	J024	090	SPIRE PLW Ch25-28	25+	SPA-	12AXD-38	S113	HSJFP	121210	P015	001		
211121	J024	079	SPIRE PLW Ch25-28	25-	SPA-	12AXD-38	S113	HSJFP	121210	P015	014		
211121	J024	047	SPIRE PLW Ch25-28	25gnd	SPA-	12AXD-38	S113	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	102	SPIRE PLW Ch25-28	26+	SPA-	12AXD-38	S113	HSJFP	121210	P015	002		
211121	J024	101	SPIRE PLW Ch25-28	26-	SPA-	12AXD-38	S113	HSJFP	121210	P015	015		
211121	J024	047	SPIRE PLW Ch25-28	26gnd	SPA-	12AXD-38	S113	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	092	SPIRE PLW Ch25-28	27+	SPA-	12AXD-38	S113	HSJFP	121210	P015	003		
211121	J024	091	SPIRE PLW Ch25-28	27-	SPA-	12AXD-38	S113	HSJFP	121210	P015	016		
211121	J024	047	SPIRE PLW Ch25-28	27gnd	SPA-	12AXD-38	S113	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	103	SPIRE PLW Ch25-28	28+	SPA-	12AXD-38	S113	HSJFP	121210	P015	004		
211121	J024	113	SPIRE PLW Ch25-28	28-	SPA-	12AXD-38	S113	HSJFP	121210	P015	017		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	047	SPIRE PLW Ch25-28	28gnd	SPA-	12AXD-38	S113	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	047	SPIRE PLW Ch25-28	SHD13	SPA-	12AXD-38	S113	HSJFP	121210	P015	013		
211121	J024	FCR	SPIRE PLW Ch25-28	COS13	SPA-	12AXD-38	S113	HSJFP	121210	P015	CH		
211121	J024	-		-			-						
211121	J024	058	SPIRE PLW Ch29-32	29+	SPA-	12AXD-38	S114	HSJFP	121210	P015	005		
211121	J024	046	SPIRE PLW Ch29-32	29-	SPA-	12AXD-38	S114	HSJFP	121210	P015	018		
211121	J024	047	SPIRE PLW Ch29-32	29gnd	SPA-	12AXD-38	S114	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	068	SPIRE PLW Ch29-32	30+	SPA-	12AXD-38	S114	HSJFP	121210	P015	006		
211121	J024	057	SPIRE PLW Ch29-32	30-	SPA-	12AXD-38	S114	HSJFP	121210	P015	019		
211121	J024	047	SPIRE PLW Ch29-32	30gnd	SPA-	12AXD-38	S114	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	069	SPIRE PLW Ch29-32	31+	SPA-	12AXD-38	S114	HSJFP	121210	P015	020		
211121	J024	080	SPIRE PLW Ch29-32	31-	SPA-	12AXD-38	S114	HSJFP	121210	P015	007		
211121	J024	047	SPIRE PLW Ch29-32	31gnd	SPA-	12AXD-38	S114	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	070	SPIRE PLW Ch29-32	32+	SPA-	12AXD-38	S114	HSJFP	121210	P015	021		
211121	J024	081	SPIRE PLW Ch29-32	32-	SPA-	12AXD-38	S114	HSJFP	121210	P015	008		
211121	J024	047	SPIRE PLW Ch29-32	32gnd	SPA-	12AXD-38	S114	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	047	SPIRE PLW Ch29-32	SHD14	SPA-	12AXD-38	S114	HSJFP	121210	P015	013		
211121	J024	FCR	SPIRE PLW Ch29-32	COS14	SPA-	12AXD-38	S114	HSJFP	121210	P015	CH		
211121	J024	-		-			-						
211121	J024	023	SPIRE PLW Ch33-36	33+	SPA-	12AXD-38	S115	HSJFP	121210	P015	022		
211121	J024	034	SPIRE PLW Ch33-36	33-	SPA-	12AXD-38	S115	HSJFP	121210	P015	009		
211121	J024	047	SPIRE PLW Ch33-36	33gnd	SPA-	12AXD-38	S115	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	033	SPIRE PLW Ch33-36	34+	SPA-	12AXD-38	S115	HSJFP	121210	P015	023		
211121	J024	045	SPIRE PLW Ch33-36	34-	SPA-	12AXD-38	S115	HSJFP	121210	P015	010		
211121	J024	047	SPIRE PLW Ch33-36	34gnd	SPA-	12AXD-38	S115	HSJFP	121210	P015	013		
211121	J024	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	044	SPIRE PLW Ch33-36	35+	SPA-	12AXD-38	S115	HSJFP	121210	P015	024		
211121	J024	056	SPIRE PLW Ch33-36	35-	SPA-	12AXD-38	S115	HSJFP	121210	P015	011		
211121	J024	047	SPIRE PLW Ch33-36	35gnd	SPA-	12AXD-38	S115	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	022	SPIRE PLW Ch33-36	36+	SPA-	12AXD-38	S115	HSJFP	121210	P015	025		
211121	J024	032	SPIRE PLW Ch33-36	36-	SPA-	12AXD-38	S115	HSJFP	121210	P015	012		
211121	J024	047	SPIRE PLW Ch33-36	36gnd	SPA-	12AXD-38	S115	HSJFP	121210	P015	013		
211121	J024	-		-			-						
211121	J024	047	SPIRE PLW Ch33-36	SHD15	SPA-	12AXD-38	S115	HSJFP	121210	P015	013		
211121	J024	FCR	SPIRE PLW Ch33-36	COS15	SPA-	12AXD-38	S115	HSJFP	121210	P015	CH		
211121	J024	-		-			-						
211121	J024	013	SPIRE PLW Ch37-40	37+	SPA-	12AXD-38	S118	HSJFP	121210	P016	001		
211121	J024	012	SPIRE PLW Ch37-40	37-	SPA-	12AXD-38	S118	HSJFP	121210	P016	014		
211121	J024	004	SPIRE PLW Ch37-40	37gnd	SPA-	12AXD-38	S118	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	021	SPIRE PLW Ch37-40	38+	SPA-	12AXD-38	S118	HSJFP	121210	P016	002		
211121	J024	020	SPIRE PLW Ch37-40	38-	SPA-	12AXD-38	S118	HSJFP	121210	P016	015		
211121	J024	004	SPIRE PLW Ch37-40	38gnd	SPA-	12AXD-38	S118	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	031	SPIRE PLW Ch37-40	39+	SPA-	12AXD-38	S118	HSJFP	121210	P016	003		
211121	J024	043	SPIRE PLW Ch37-40	39-	SPA-	12AXD-38	S118	HSJFP	121210	P016	016		
211121	J024	004	SPIRE PLW Ch37-40	39gnd	SPA-	12AXD-38	S118	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	042	SPIRE PLW Ch37-40	40+	SPA-	12AXD-38	S118	HSJFP	121210	P016	004		
211121	J024	054	SPIRE PLW Ch37-40	40-	SPA-	12AXD-38	S118	HSJFP	121210	P016	017		
211121	J024	004	SPIRE PLW Ch37-40	40gnd	SPA-	12AXD-38	S118	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	004	SPIRE PLW Ch37-40	SHD18	SPA-	12AXD-38	S118	HSJFP	121210	P016	013		
211121	J024	FCR	SPIRE PLW Ch37-40	COS18	SPA-	12AXD-38	S118	HSJFP	121210	P016	CH		
211121	J024	-		-			-						
211121	J024	010	SPIRE PLW Ch41-44	41+	SPA-	12AXD-38	S119	HSJFP	121210	P016	005		
211121	J024	011	SPIRE PLW Ch41-44	41-	SPA-	12AXD-38	S119	HSJFP	121210	P016	018		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	004	SPIRE PLW Ch41-44	41gnd	SPA-	12AXD-38	S119	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	019	SPIRE PLW Ch41-44	42+	SPA-	12AXD-38	S119	HSJFP	121210	P016	006		
211121	J024	029	SPIRE PLW Ch41-44	42-	SPA-	12AXD-38	S119	HSJFP	121210	P016	019		
211121	J024	004	SPIRE PLW Ch41-44	42gnd	SPA-	12AXD-38	S119	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	041	SPIRE PLW Ch41-44	43+	SPA-	12AXD-38	S119	HSJFP	121210	P016	020		
211121	J024	030	SPIRE PLW Ch41-44	43-	SPA-	12AXD-38	S119	HSJFP	121210	P016	007		
211121	J024	004	SPIRE PLW Ch41-44	43gnd	SPA-	12AXD-38	S119	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	053	SPIRE PLW Ch41-44	44+	SPA-	12AXD-38	S119	HSJFP	121210	P016	021		
211121	J024	052	SPIRE PLW Ch41-44	44-	SPA-	12AXD-38	S119	HSJFP	121210	P016	008		
211121	J024	004	SPIRE PLW Ch41-44	44gnd	SPA-	12AXD-38	S119	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	004	SPIRE PLW Ch41-44	SHD19	SPA-	12AXD-38	S119	HSJFP	121210	P016	013		
211121	J024	FCR	SPIRE PLW Ch41-44	COS19	SPA-	12AXD-38	S119	HSJFP	121210	P016	CH		
211121	J024	-		-			-						
211121	J024	009	SPIRE PLW Ch45-48	45+	SPA-	12AXD-38	S120	HSJFP	121210	P016	022		
211121	J024	017	SPIRE PLW Ch45-48	45-	SPA-	12AXD-38	S120	HSJFP	121210	P016	009		
211121	J024	004	SPIRE PLW Ch45-48	45gnd	SPA-	12AXD-38	S120	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	018	SPIRE PLW Ch45-48	46+	SPA-	12AXD-38	S120	HSJFP	121210	P016	023		
211121	J024	028	SPIRE PLW Ch45-48	46-	SPA-	12AXD-38	S120	HSJFP	121210	P016	010		
211121	J024	004	SPIRE PLW Ch45-48	46gnd	SPA-	12AXD-38	S120	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	016	SPIRE PLW Ch45-48	47+	SPA-	12AXD-38	S120	HSJFP	121210	P016	024		
211121	J024	027	SPIRE PLW Ch45-48	47-	SPA-	12AXD-38	S120	HSJFP	121210	P016	011		
211121	J024	004	SPIRE PLW Ch45-48	47gnd	SPA-	12AXD-38	S120	HSJFP	121210	P016	013		
211121	J024	-		-			-						
211121	J024	040	SPIRE PLW Ch45-48	48+	SPA-	12AXD-38	S120	HSJFP	121210	P016	025		
211121	J024	039	SPIRE PLW Ch45-48	48-	SPA-	12AXD-38	S120	HSJFP	121210	P016	012		
211121	J024	004	SPIRE PLW Ch45-48	48gnd	SPA-	12AXD-38	S120	HSJFP	121210	P016	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024	-		-			-						
211121	J024	004	SPIRE PLW Ch45-48	SHD20	SPA-	12AXD-38	S120	HSJFP	121210	P016	013		
211121	J024	FCR	SPIRE PLW Ch45-48	COS20	SPA-	12AXD-38	S120	HSJFP	121210	P016	CH		
211121	J024	-		-			-						
211121	J024	001	to be con as part of FCR	-			-						
211121	J024	002	to be con as part of FCR	-			-						
211121	J024	003	to be con as part of FCR	-			-						
211121	J024	005	to be con as part of FCR	-			-						
211121	J024	006	to be con as part of FCR	-			-						
211121	J024	007	to be con as part of FCR	-			-						
211121	J024	008	to be con as part of FCR	-			-						
211121	J024	014	to be con as part of FCR	-			-						
211121	J024	015	to be con as part of FCR	-			-						
211121	J024	024	to be con as part of FCR	-			-						
211121	J024	025	to be con as part of FCR	-			-						
211121	J024	035	to be con as part of FCR	-			-						
211121	J024	082	to be con as part of FCR	-			-						
211121	J024	093	to be con as part of FCR	-			-						
211121	J024	094	to be con as part of FCR	-			-						
211121	J024	104	to be con as part of FCR	-			-						
211121	J024	105	to be con as part of FCR	-			-						
211121	J024	114	to be con as part of FCR	-			-						
211121	J024	115	to be con as part of FCR	-			-						
211121	J024	121	to be con as part of FCR	-			-						
211121	J024	122	to be con as part of FCR	-			-						
211121	J024	123	to be con as part of FCR	-			-						
211121	J024	124	to be con as part of FCR	-			-						
211121	J024	125	to be con as part of FCR	-			-						
211121	J024	126	to be con as part of FCR	-			-						
211121	J024	127	to be con as part of FCR	-			-						
211121	J024	-		-			-						

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J024		CH to be isolated from FCR	-			-						
211121	J024	-	Bundles isolated from S/C structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	026	SPIRE PSW (5) Ch01-04	1+	SPC-	12AXD-38	S158	HSJFP	121210	P009	001		
211121	J025	037	SPIRE PSW (5) Ch01-04	1-	SPC-	12AXD-38	S158	HSJFP	121210	P009	014		
211121	J025	036	SPIRE PSW (5) Ch01-04	1gnd	SPC-	12AXD-38	S158	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	038	SPIRE PSW (5) Ch01-04	2+	SPC-	12AXD-38	S158	HSJFP	121210	P009	002		
211121	J025	049	SPIRE PSW (5) Ch01-04	2-	SPC-	12AXD-38	S158	HSJFP	121210	P009	015		
211121	J025	036	SPIRE PSW (5) Ch01-04	2gnd	SPC-	12AXD-38	S158	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	048	SPIRE PSW (5) Ch01-04	3+	SPC-	12AXD-38	S158	HSJFP	121210	P009	003		
211121	J025	060	SPIRE PSW (5) Ch01-04	3-	SPC-	12AXD-38	S158	HSJFP	121210	P009	016		
211121	J025	036	SPIRE PSW (5) Ch01-04	3gnd	SPC-	12AXD-38	S158	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	059	SPIRE PSW (5) Ch01-04	4+	SPC-	12AXD-38	S158	HSJFP	121210	P009	004		
211121	J025	071	SPIRE PSW (5) Ch01-04	4-	SPC-	12AXD-38	S158	HSJFP	121210	P009	017		
211121	J025	036	SPIRE PSW (5) Ch01-04	4gnd	SPC-	12AXD-38	S158	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	036	SPIRE PSW (5) Ch01-04	SHD58	SPC-	12AXD-38	S158	HSJFP	121210	P009	013		
211121	J025	FCR	SPIRE PSW (5) Ch01-04	COS58	SPC-	12AXD-38	S158	HSJFP	121210	P009	CH		
211121	J025	-		-			-						
211121	J025	050	SPIRE PSW (5) Ch05-08	5+	SPC-	12AXD-38	S159	HSJFP	121210	P009	005		
211121	J025	061	SPIRE PSW (5) Ch05-08	5-	SPC-	12AXD-38	S159	HSJFP	121210	P009	018		
211121	J025	036	SPIRE PSW (5) Ch05-08	5gnd	SPC-	12AXD-38	S159	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	062	SPIRE PSW (5) Ch05-08	6+	SPC-	12AXD-38	S159	HSJFP	121210	P009	006		
211121	J025	051	SPIRE PSW (5) Ch05-08	6-	SPC-	12AXD-38	S159	HSJFP	121210	P009	019		
211121	J025	036	SPIRE PSW (5) Ch05-08	6gnd	SPC-	12AXD-38	S159	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	063	SPIRE PSW (5) Ch05-08	7+	SPC-	12AXD-38	S159	HSJFP	121210	P009	020		
211121	J025	075	SPIRE PSW (5) Ch05-08	7-	SPC-	12AXD-38	S159	HSJFP	121210	P009	007		
211121	J025	036	SPIRE PSW (5) Ch05-08	7gnd	SPC-	12AXD-38	S159	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	074	SPIRE PSW (5) Ch05-08	8+	SPC-	12AXD-38	S159	HSJFP	121210	P009	021		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	073	SPIRE PSW (5) Ch05-08	8-	SPC-	12AXD-38	S159	HSJFP	121210	P009	008		
211121	J025	036	SPIRE PSW (5) Ch05-08	8gnd	SPC-	12AXD-38	S159	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	036	SPIRE PSW (5) Ch05-08	SHD59	SPC-	12AXD-38	S159	HSJFP	121210	P009	013		
211121	J025	FCR	SPIRE PSW (5) Ch05-08	COS59	SPC-	12AXD-38	S159	HSJFP	121210	P009	CH		
211121	J025	-		-			-						
211121	J025	083	SPIRE PSW (5) Ch09-12	9+	SPC-	12AXD-38	S160	HSJFP	121210	P009	022		
211121	J025	072	SPIRE PSW (5) Ch09-12	9-	SPC-	12AXD-38	S160	HSJFP	121210	P009	009		
211121	J025	036	SPIRE PSW (5) Ch09-12	9gnd	SPC-	12AXD-38	S160	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	095	SPIRE PSW (5) Ch09-12	10+	SPC-	12AXD-38	S160	HSJFP	121210	P009	023		
211121	J025	084	SPIRE PSW (5) Ch09-12	10-	SPC-	12AXD-38	S160	HSJFP	121210	P009	010		
211121	J025	036	SPIRE PSW (5) Ch09-12	10gnd	SPC-	12AXD-38	S160	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	096	SPIRE PSW (5) Ch09-12	11+	SPC-	12AXD-38	S160	HSJFP	121210	P009	024		
211121	J025	085	SPIRE PSW (5) Ch09-12	11-	SPC-	12AXD-38	S160	HSJFP	121210	P009	011		
211121	J025	036	SPIRE PSW (5) Ch09-12	11gnd	SPC-	12AXD-38	S160	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	106	SPIRE PSW (5) Ch09-12	12+	SPC-	12AXD-38	S160	HSJFP	121210	P009	025		
211121	J025	107	SPIRE PSW (5) Ch09-12	12-	SPC-	12AXD-38	S160	HSJFP	121210	P009	012		
211121	J025	036	SPIRE PSW (5) Ch09-12	12gnd	SPC-	12AXD-38	S160	HSJFP	121210	P009	013		
211121	J025	-		-			-						
211121	J025	036	SPIRE PSW (5) Ch09-12	SHD60	SPC-	12AXD-38	S160	HSJFP	121210	P009	013		
211121	J025	FCR	SPIRE PSW (5) Ch09-12	COS60	SPC-	12AXD-38	S160	HSJFP	121210	P009	CH		
211121	J025	-		-			-						
211121	J025	086	SPIRE PSW (5) Ch13-16	13+	SPC-	12AXD-38	S163	HSJFP	121210	P010	001		
211121	J025	087	SPIRE PSW (5) Ch13-16	13-	SPC-	12AXD-38	S163	HSJFP	121210	P010	014		
211121	J025	128	SPIRE PSW (5) Ch13-16	13gnd	SPC-	12AXD-38	S163	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	097	SPIRE PSW (5) Ch13-16	14+	SPC-	12AXD-38	S163	HSJFP	121210	P010	002		
211121	J025	098	SPIRE PSW (5) Ch13-16	14-	SPC-	12AXD-38	S163	HSJFP	121210	P010	015		
211121	J025	128	SPIRE PSW (5) Ch13-16	14gnd	SPC-	12AXD-38	S163	HSJFP	121210	P010	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	-		-			-						
211121	J025	108	SPIRE PSW (5) Ch13-16	15+	SPC-	12AXD-38	S163	HSJFP	121210	P010	003		
211121	J025	109	SPIRE PSW (5) Ch13-16	15-	SPC-	12AXD-38	S163	HSJFP	121210	P010	016		
211121	J025	128	SPIRE PSW (5) Ch13-16	15gnd	SPC-	12AXD-38	S163	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	116	SPIRE PSW (5) Ch13-16	16+	SPC-	12AXD-38	S163	HSJFP	121210	P010	004		
211121	J025	117	SPIRE PSW (5) Ch13-16	16-	SPC-	12AXD-38	S163	HSJFP	121210	P010	017		
211121	J025	128	SPIRE PSW (5) Ch13-16	16gnd	SPC-	12AXD-38	S163	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	128	SPIRE PSW (5) Ch13-16	SHD63	SPC-	12AXD-38	S163	HSJFP	121210	P010	013		
211121	J025	FCR	SPIRE PSW (5) Ch13-16	COS63	SPC-	12AXD-38	S163	HSJFP	121210	P010	CH		
211121	J025	-		-			-						
211121	J025	055	SPIRE PSW (5) Ch17-20	17+	SPC-	12AXD-38	S164	HSJFP	121210	P010	005		
211121	J025	066	SPIRE PSW (5) Ch17-20	17-	SPC-	12AXD-38	S164	HSJFP	121210	P010	018		
211121	J025	128	SPIRE PSW (5) Ch17-20	17gnd	SPC-	12AXD-38	S164	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	067	SPIRE PSW (5) Ch17-20	18+	SPC-	12AXD-38	S164	HSJFP	121210	P010	006		
211121	J025	078	SPIRE PSW (5) Ch17-20	18-	SPC-	12AXD-38	S164	HSJFP	121210	P010	019		
211121	J025	128	SPIRE PSW (5) Ch17-20	18gnd	SPC-	12AXD-38	S164	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	076	SPIRE PSW (5) Ch17-20	19+	SPC-	12AXD-38	S164	HSJFP	121210	P010	020		
211121	J025	077	SPIRE PSW (5) Ch17-20	19-	SPC-	12AXD-38	S164	HSJFP	121210	P010	007		
211121	J025	128	SPIRE PSW (5) Ch17-20	19gnd	SPC-	12AXD-38	S164	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	088	SPIRE PSW (5) Ch17-20	20+	SPC-	12AXD-38	S164	HSJFP	121210	P010	021		
211121	J025	089	SPIRE PSW (5) Ch17-20	20-	SPC-	12AXD-38	S164	HSJFP	121210	P010	008		
211121	J025	128	SPIRE PSW (5) Ch17-20	20gnd	SPC-	12AXD-38	S164	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	128	SPIRE PSW (5) Ch17-20	SHD64	SPC-	12AXD-38	S164	HSJFP	121210	P010	013		
211121	J025	FCR	SPIRE PSW (5) Ch17-20	COS64	SPC-	12AXD-38	S164	HSJFP	121210	P010	CH		
211121	J025	-		-			-						
211121	J025	099	SPIRE PSW (5) Ch21-24	21+	SPC-	12AXD-38	S165	HSJFP	121210	P010	022		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	100	SPIRE PSW (5) Ch21-24	21-	SPC-	12AXD-38	S165	HSJFP	121210	P010	009		
211121	J025	128	SPIRE PSW (5) Ch21-24	21gnd	SPC-	12AXD-38	S165	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	110	SPIRE PSW (5) Ch21-24	22+	SPC-	12AXD-38	S165	HSJFP	121210	P010	023		
211121	J025	111	SPIRE PSW (5) Ch21-24	22-	SPC-	12AXD-38	S165	HSJFP	121210	P010	010		
211121	J025	128	SPIRE PSW (5) Ch21-24	22gnd	SPC-	12AXD-38	S165	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	118	SPIRE PSW (5) Ch21-24	23+	SPC-	12AXD-38	S165	HSJFP	121210	P010	024		
211121	J025	119	SPIRE PSW (5) Ch21-24	23-	SPC-	12AXD-38	S165	HSJFP	121210	P010	011		
211121	J025	128	SPIRE PSW (5) Ch21-24	23gnd	SPC-	12AXD-38	S165	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	112	SPIRE PSW (5) Ch21-24	24+	SPC-	12AXD-38	S165	HSJFP	121210	P010	025		
211121	J025	120	SPIRE PSW (5) Ch21-24	24-	SPC-	12AXD-38	S165	HSJFP	121210	P010	012		
211121	J025	128	SPIRE PSW (5) Ch21-24	24gnd	SPC-	12AXD-38	S165	HSJFP	121210	P010	013		
211121	J025	-		-			-						
211121	J025	128	SPIRE PSW (5) Ch21-24	SHD65	SPC-	12AXD-38	S165	HSJFP	121210	P010	013		
211121	J025	FCR	SPIRE PSW (5) Ch21-24	COS65	SPC-	12AXD-38	S165	HSJFP	121210	P010	CH		
211121	J025	-		-			-						
211121	J025	090	SPIRE PSW (6) Ch25-28	25+	SPC-	12AXD-38	S167	HSJFP	121210	P011	001		
211121	J025	079	SPIRE PSW (6) Ch25-28	25-	SPC-	12AXD-38	S167	HSJFP	121210	P011	014		
211121	J025	047	SPIRE PSW (6) Ch25-28	25gnd	SPC-	12AXD-38	S167	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	102	SPIRE PSW (6) Ch25-28	26+	SPC-	12AXD-38	S167	HSJFP	121210	P011	002		
211121	J025	101	SPIRE PSW (6) Ch25-28	26-	SPC-	12AXD-38	S167	HSJFP	121210	P011	015		
211121	J025	047	SPIRE PSW (6) Ch25-28	26gnd	SPC-	12AXD-38	S167	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	092	SPIRE PSW (6) Ch25-28	27+	SPC-	12AXD-38	S167	HSJFP	121210	P011	003		
211121	J025	091	SPIRE PSW (6) Ch25-28	27-	SPC-	12AXD-38	S167	HSJFP	121210	P011	016		
211121	J025	047	SPIRE PSW (6) Ch25-28	27gnd	SPC-	12AXD-38	S167	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	103	SPIRE PSW (6) Ch25-28	28+	SPC-	12AXD-38	S167	HSJFP	121210	P011	004		
211121	J025	113	SPIRE PSW (6) Ch25-28	28-	SPC-	12AXD-38	S167	HSJFP	121210	P011	017		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	047	SPIRE PSW (6) Ch25-28	28gnd	SPC-	12AXD-38	S167	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	047	SPIRE PSW (6) Ch25-28	SHD67	SPC-	12AXD-38	S167	HSJFP	121210	P011	013		
211121	J025	FCR	SPIRE PSW (6) Ch25-28	COS67	SPC-	12AXD-38	S167	HSJFP	121210	P011	CH		
211121	J025	-		-			-						
211121	J025	058	SPIRE PSW (6) Ch29-32	29+	SPC-	12AXD-38	S168	HSJFP	121210	P011	005		
211121	J025	046	SPIRE PSW (6) Ch29-32	29-	SPC-	12AXD-38	S168	HSJFP	121210	P011	018		
211121	J025	047	SPIRE PSW (6) Ch29-32	29gnd	SPC-	12AXD-38	S168	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	068	SPIRE PSW (6) Ch29-32	30+	SPC-	12AXD-38	S168	HSJFP	121210	P011	006		
211121	J025	057	SPIRE PSW (6) Ch29-32	30-	SPC-	12AXD-38	S168	HSJFP	121210	P011	019		
211121	J025	047	SPIRE PSW (6) Ch29-32	30gnd	SPC-	12AXD-38	S168	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	069	SPIRE PSW (6) Ch29-32	31+	SPC-	12AXD-38	S168	HSJFP	121210	P011	020		
211121	J025	080	SPIRE PSW (6) Ch29-32	31-	SPC-	12AXD-38	S168	HSJFP	121210	P011	007		
211121	J025	047	SPIRE PSW (6) Ch29-32	31gnd	SPC-	12AXD-38	S168	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	070	SPIRE PSW (6) Ch29-32	32+	SPC-	12AXD-38	S168	HSJFP	121210	P011	021		
211121	J025	081	SPIRE PSW (6) Ch29-32	32-	SPC-	12AXD-38	S168	HSJFP	121210	P011	008		
211121	J025	047	SPIRE PSW (6) Ch29-32	32gnd	SPC-	12AXD-38	S168	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	047	SPIRE PSW (6) Ch29-32	SHD68	SPC-	12AXD-38	S168	HSJFP	121210	P011	013		
211121	J025	FCR	SPIRE PSW (6) Ch29-32	COS68	SPC-	12AXD-38	S168	HSJFP	121210	P011	CH		
211121	J025	-		-			-						
211121	J025	023	SPIRE PSW (6) Ch33-36	33+	SPC-	12AXD-38	S169	HSJFP	121210	P011	022		
211121	J025	034	SPIRE PSW (6) Ch33-36	33-	SPC-	12AXD-38	S169	HSJFP	121210	P011	009		
211121	J025	047	SPIRE PSW (6) Ch33-36	33gnd	SPC-	12AXD-38	S169	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	033	SPIRE PSW (6) Ch33-36	34+	SPC-	12AXD-38	S169	HSJFP	121210	P011	023		
211121	J025	045	SPIRE PSW (6) Ch33-36	34-	SPC-	12AXD-38	S169	HSJFP	121210	P011	010		
211121	J025	047	SPIRE PSW (6) Ch33-36	34gnd	SPC-	12AXD-38	S169	HSJFP	121210	P011	013		
211121	J025	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	044	SPIRE PSW (6) Ch33-36	35+	SPC-	12AXD-38	S169	HSJFP	121210	P011	024		
211121	J025	056	SPIRE PSW (6) Ch33-36	35-	SPC-	12AXD-38	S169	HSJFP	121210	P011	011		
211121	J025	047	SPIRE PSW (6) Ch33-36	35gnd	SPC-	12AXD-38	S169	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	022	SPIRE PSW (6) Ch33-36	36+	SPC-	12AXD-38	S169	HSJFP	121210	P011	025		
211121	J025	032	SPIRE PSW (6) Ch33-36	36-	SPC-	12AXD-38	S169	HSJFP	121210	P011	012		
211121	J025	047	SPIRE PSW (6) Ch33-36	36gnd	SPC-	12AXD-38	S169	HSJFP	121210	P011	013		
211121	J025	-		-			-						
211121	J025	047	SPIRE PSW (6) Ch33-36	SHD69	SPC-	12AXD-38	S169	HSJFP	121210	P011	013		
211121	J025	FCR	SPIRE PSW (6) Ch33-36	COS69	SPC-	12AXD-38	S169	HSJFP	121210	P011	CH		
211121	J025	-		-			-						
211121	J025	013	SPIRE PSW (6) Ch37-40	37+	SPC-	12AXD-38	S172	HSJFP	121210	P012	001		
211121	J025	012	SPIRE PSW (6) Ch37-40	37-	SPC-	12AXD-38	S172	HSJFP	121210	P012	014		
211121	J025	004	SPIRE PSW (6) Ch37-40	37gnd	SPC-	12AXD-38	S172	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	021	SPIRE PSW (6) Ch37-40	38+	SPC-	12AXD-38	S172	HSJFP	121210	P012	002		
211121	J025	020	SPIRE PSW (6) Ch37-40	38-	SPC-	12AXD-38	S172	HSJFP	121210	P012	015		
211121	J025	004	SPIRE PSW (6) Ch37-40	38gnd	SPC-	12AXD-38	S172	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	031	SPIRE PSW (6) Ch37-40	39+	SPC-	12AXD-38	S172	HSJFP	121210	P012	003		
211121	J025	043	SPIRE PSW (6) Ch37-40	39-	SPC-	12AXD-38	S172	HSJFP	121210	P012	016		
211121	J025	004	SPIRE PSW (6) Ch37-40	39gnd	SPC-	12AXD-38	S172	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	042	SPIRE PSW (6) Ch37-40	40+	SPC-	12AXD-38	S172	HSJFP	121210	P012	004		
211121	J025	054	SPIRE PSW (6) Ch37-40	40-	SPC-	12AXD-38	S172	HSJFP	121210	P012	017		
211121	J025	004	SPIRE PSW (6) Ch37-40	40gnd	SPC-	12AXD-38	S172	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	004	SPIRE PSW (6) Ch37-40	SHD72	SPC-	12AXD-38	S172	HSJFP	121210	P012	013		
211121	J025	FCR	SPIRE PSW (6) Ch37-40	COS72	SPC-	12AXD-38	S172	HSJFP	121210	P012	CH		
211121	J025	-		-			-						
211121	J025	010	SPIRE PSW (6) Ch41-44	41+	SPC-	12AXD-38	S173	HSJFP	121210	P012	005		
211121	J025	011	SPIRE PSW (6) Ch41-44	41-	SPC-	12AXD-38	S173	HSJFP	121210	P012	018		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025	004	SPIRE PSW (6) Ch41-44	41gnd	SPC-	12AXD-38	S173	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	019	SPIRE PSW (6) Ch41-44	42+	SPC-	12AXD-38	S173	HSJFP	121210	P012	006		
211121	J025	029	SPIRE PSW (6) Ch41-44	42-	SPC-	12AXD-38	S173	HSJFP	121210	P012	019		
211121	J025	004	SPIRE PSW (6) Ch41-44	42gnd	SPC-	12AXD-38	S173	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	041	SPIRE PSW (6) Ch41-44	43+	SPC-	12AXD-38	S173	HSJFP	121210	P012	020		
211121	J025	030	SPIRE PSW (6) Ch41-44	43-	SPC-	12AXD-38	S173	HSJFP	121210	P012	007		
211121	J025	004	SPIRE PSW (6) Ch41-44	43gnd	SPC-	12AXD-38	S173	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	053	SPIRE PSW (6) Ch41-44	44+	SPC-	12AXD-38	S173	HSJFP	121210	P012	021		
211121	J025	052	SPIRE PSW (6) Ch41-44	44-	SPC-	12AXD-38	S173	HSJFP	121210	P012	008		
211121	J025	004	SPIRE PSW (6) Ch41-44	44gnd	SPC-	12AXD-38	S173	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	004	SPIRE PSW (6) Ch41-44	SHD73	SPC-	12AXD-38	S173	HSJFP	121210	P012	013		
211121	J025	FCR	SPIRE PSW (6) Ch41-44	COS73	SPC-	12AXD-38	S173	HSJFP	121210	P012	CH		
211121	J025	-		-			-						
211121	J025	009	SPIRE PSW (6) Ch45-48	45+	SPC-	12AXD-38	S174	HSJFP	121210	P012	022		
211121	J025	017	SPIRE PSW (6) Ch45-48	45-	SPC-	12AXD-38	S174	HSJFP	121210	P012	009		
211121	J025	004	SPIRE PSW (6) Ch45-48	45gnd	SPC-	12AXD-38	S174	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	018	SPIRE PSW (6) Ch45-48	46+	SPC-	12AXD-38	S174	HSJFP	121210	P012	023		
211121	J025	028	SPIRE PSW (6) Ch45-48	46-	SPC-	12AXD-38	S174	HSJFP	121210	P012	010		
211121	J025	004	SPIRE PSW (6) Ch45-48	46gnd	SPC-	12AXD-38	S174	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	016	SPIRE PSW (6) Ch45-48	47+	SPC-	12AXD-38	S174	HSJFP	121210	P012	024		
211121	J025	027	SPIRE PSW (6) Ch45-48	47-	SPC-	12AXD-38	S174	HSJFP	121210	P012	011		
211121	J025	004	SPIRE PSW (6) Ch45-48	47gnd	SPC-	12AXD-38	S174	HSJFP	121210	P012	013		
211121	J025	-		-			-						
211121	J025	040	SPIRE PSW (6) Ch45-48	48+	SPC-	12AXD-38	S174	HSJFP	121210	P012	025		
211121	J025	039	SPIRE PSW (6) Ch45-48	48-	SPC-	12AXD-38	S174	HSJFP	121210	P012	012		
211121	J025	004	SPIRE PSW (6) Ch45-48	48gnd	SPC-	12AXD-38	S174	HSJFP	121210	P012	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]
211121	J025	-		-			-					
211121	J025	004	SPIRE PSW (6) Ch45-48	SHD74	SPC-	12AXD-38	S174	HSJFP	121210	P012	013	
211121	J025	FCR	SPIRE PSW (6) Ch45-48	COS74	SPC-	12AXD-38	S174	HSJFP	121210	P012	CH	
211121	J025	-		-			-					
211121	J025	001	to be con as part of FCR	-			-					
211121	J025	002	to be con as part of FCR	-			-					
211121	J025	003	to be con as part of FCR	-			-					
211121	J025	005	to be con as part of FCR	-			-					
211121	J025	006	to be con as part of FCR	-			-					
211121	J025	007	to be con as part of FCR	-			-					
211121	J025	008	to be con as part of FCR	-			-					
211121	J025	014	to be con as part of FCR	-			-					
211121	J025	015	to be con as part of FCR	-			-					
211121	J025	024	to be con as part of FCR	-			-					
211121	J025	025	to be con as part of FCR	-			-					
211121	J025	035	to be con as part of FCR	-			-					
211121	J025	082	to be con as part of FCR	-			-					
211121	J025	093	to be con as part of FCR	-			-					
211121	J025	094	to be con as part of FCR	-			-					
211121	J025	104	to be con as part of FCR	-			-					
211121	J025	105	to be con as part of FCR	-			-					
211121	J025	114	to be con as part of FCR	-			-					
211121	J025	115	to be con as part of FCR	-			-					
211121	J025	121	to be con as part of FCR	-			-					
211121	J025	122	to be con as part of FCR	-			-					
211121	J025	123	to be con as part of FCR	-			-					
211121	J025	124	to be con as part of FCR	-			-					
211121	J025	125	to be con as part of FCR	-			-					
211121	J025	126	to be con as part of FCR	-			-					
211121	J025	127	to be con as part of FCR	-			-					
211121	J025	-		-			-					

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J025		CH to be isolated from FCR	-			-						
211121	J025	-	Bundles Isolated from S/C structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	026	SPIRE PSW_JFETV1_A	A+	SPL-	022BS-38	S176	HSJFP	121210	P025	020		
211121	J026	037	SPIRE PSW_JFETV1_A	A-	SPL-	022BS-38	S176	HSJFP	121210	P025	002		
211121	J026	036	SPIRE PSW_JFETV1_A	SHD76	SPL-	022BS-38	S176	HSJFP	121210	P025	001		
211121	J026	FCR	SPIRE PSW_JFETV1_A	COS76	SPL-	022BS-38	S176	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	038	SPIRE PSW_JFETV2_A	A+	SPL-	022BS-38	S177	HSJFP	121210	P025	003		
211121	J026	049	SPIRE PSW_JFETV2_A	A-	SPL-	022BS-38	S177	HSJFP	121210	P025	022		
211121	J026	036	SPIRE PSW_JFETV2_A	SHD77	SPL-	022BS-38	S177	HSJFP	121210	P025	021		
211121	J026	FCR	SPIRE PSW_JFETV2_A	COS77	SPL-	022BS-38	S177	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	048	SPIRE PSW_JFETV3_A	A+	SPL-	022BS-38	S178	HSJFP	121210	P025	023		
211121	J026	060	SPIRE PSW_JFETV3_A	A-	SPL-	022BS-38	S178	HSJFP	121210	P025	005		
211121	J026	036	SPIRE PSW_JFETV3_A	SHD78	SPL-	022BS-38	S178	HSJFP	121210	P025	004		
211121	J026	FCR	SPIRE PSW_JFETV3_A	COS78	SPL-	022BS-38	S178	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	059	SPIRE PSW_JFETV4_A	A+	SPL-	022BS-38	S179	HSJFP	121210	P025	006		
211121	J026	071	SPIRE PSW_JFETV4_A	A-	SPL-	022BS-38	S179	HSJFP	121210	P025	025		
211121	J026	036	SPIRE PSW_JFETV4_A	SHD79	SPL-	022BS-38	S179	HSJFP	121210	P025	024		
211121	J026	FCR	SPIRE PSW_JFETV4_A	COS79	SPL-	022BS-38	S179	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	050	SPIRE PSW_JFETV5_A	A+	SPL-	022BS-38	S180	HSJFP	121210	P025	026		
211121	J026	061	SPIRE PSW_JFETV5_A	A-	SPL-	022BS-38	S180	HSJFP	121210	P025	008		
211121	J026	036	SPIRE PSW_JFETV5_A	SHD80	SPL-	022BS-38	S180	HSJFP	121210	P025	007		
211121	J026	FCR	SPIRE PSW_JFETV5_A	COS80	SPL-	022BS-38	S180	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	062	SPIRE PSW_JFETV6_A	A+	SPL-	022BS-38	S181	HSJFP	121210	P025	009		
211121	J026	051	SPIRE PSW_JFETV6_A	A-	SPL-	022BS-38	S181	HSJFP	121210	P025	028		
211121	J026	036	SPIRE PSW_JFETV6_A	SHD81	SPL-	022BS-38	S181	HSJFP	121210	P025	027		
211121	J026	FCR	SPIRE PSW_JFETV6_A	COS81	SPL-	022BS-38	S181	HSJFP	121210	P025	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-		
211121	J026	063	SPIRE PSW_Bias1/2_A	A+	SPK-	022BS-38	S183	HSJFP	121210	P025	011		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	075	SPIRE PSW_Bias1/2_A	A-	SPK-	022BS-38	S183	HSJFP	121210	P025	029		
211121	J026	036	SPIRE PSW_Bias1/2_A	SHD83	SPK-	022BS-38	S183	HSJFP	121210	P025	030		
211121	J026	FCR	SPIRE PSW_Bias1/2_A	COS83	SPK-	022BS-38	S183	HSJFP	121210	P025	CH		
211121	J026	-		-			-						
211121	J026	074	SPIRE PSW_Bias3/4_A	A+	SPK-	022BS-38	S184	HSJFP	121210	P025	031		
211121	J026	073	SPIRE PSW_Bias3/4_A	A-	SPK-	022BS-38	S184	HSJFP	121210	P025	012		
211121	J026	036	SPIRE PSW_Bias3/4_A	SHD84	SPK-	022BS-38	S184	HSJFP	121210	P025	013		
211121	J026	FCR	SPIRE PSW_Bias3/4_A	COS84	SPK-	022BS-38	S184	HSJFP	121210	P025	CH		
211121	J026	-		-			-						
211121	J026	083	SPIRE PSW_Bias5/6_A	A+	SPK-	022BS-38	S185	HSJFP	121210	P025	014		
211121	J026	072	SPIRE PSW_Bias5/6_A	A-	SPK-	022BS-38	S185	HSJFP	121210	P025	032		
211121	J026	036	SPIRE PSW_Bias5/6_A	SHD85	SPK-	022BS-38	S185	HSJFP	121210	P025	033		
211121	J026	FCR	SPIRE PSW_Bias5/6_A	COS85	SPK-	022BS-38	S185	HSJFP	121210	P025	CH		
211121	J026	-		-			-						
211121	J026	036	SPIRE PSW_JFETV GND A1	-	SPX-	010B0-30	S431	HSJFP	121210	P025	010		
211121	J026	-		-			-						
211121	J026	095	SPIRE PSW_Heater_A1	A1+	SPM-	021SS-38	S186	HSJFP	121210	P025	034		
211121	J026	084	SPIRE PSW_Heater_A1	A1-	SPM-	021SS-38	S186	HSJFP	121210	P025	015		
211121	J026	105	SPIRE PSW_Heater_A1	SHD86	SPM-	021SS-38	S186	HSJFP	121210	P025	016		
211121	J026	-		-			-						
211121	J026	096	SPIRE PSW_Heater_A2	A2+	SPM-	021SS-38	S187	HSJFP	121210	P025	017		
211121	J026	085	SPIRE PSW_Heater_A2	A2-	SPM-	021SS-38	S187	HSJFP	121210	P025	035		
211121	J026	105	SPIRE PSW_Heater_A2	SHD87	SPM-	021SS-38	S187	HSJFP	121210	P025	036		
211121	J026	-		-			-						
211121	J026	106	SPIRE PSW_Heater_A3	A3+	SPM-	021SS-38	S188	HSJFP	121210	P025	037		
211121	J026	107	SPIRE PSW_Heater_A3	A3-	SPM-	021SS-38	S188	HSJFP	121210	P025	018		
211121	J026	105	SPIRE PSW_Heater_A3	SHD88	SPM-	021SS-38	S188	HSJFP	121210	P025	036		
211121	J026	-		-			-						
211121	J026	086	SPIRE PMW_JFETV1_A	A+	SPH-	022BS-38	S190	HSJFP	121210	P027	020		
211121	J026	087	SPIRE PMW_JFETV1_A	A-	SPH-	022BS-38	S190	HSJFP	121210	P027	002		
211121	J026	064	SPIRE PMW_JFETV1_A	SHD90	SPH-	022BS-38	S190	HSJFP	121210	P027	001		
211121	J026	FCR	SPIRE PMW_JFETV1_A	COS90	SPH-	022BS-38	S190	HSJFP	121210	P027	CH		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	-		-			-						
211121	J026	097	SPIRE PMW_JFETV2_A	A+	SPH-	022BS-38	S191	HSJFP	121210	P027	003		
211121	J026	098	SPIRE PMW_JFETV2_A	A-	SPH-	022BS-38	S191	HSJFP	121210	P027	022		
211121	J026	064	SPIRE PMW_JFETV2_A	SHD91	SPH-	022BS-38	S191	HSJFP	121210	P027	021		
211121	J026	FCR	SPIRE PMW_JFETV2_A	COS91	SPH-	022BS-38	S191	HSJFP	121210	P027	CH		
211121	J026	-		-			-						
211121	J026	108	SPIRE PMW_JFETV3_A	A+	SPH-	022BS-38	S192	HSJFP	121210	P027	023		
211121	J026	109	SPIRE PMW_JFETV3_A	A-	SPH-	022BS-38	S192	HSJFP	121210	P027	005		
211121	J026	064	SPIRE PMW_JFETV3_A	SHD92	SPH-	022BS-38	S192	HSJFP	121210	P027	004		
211121	J026	FCR	SPIRE PMW_JFETV3_A	COS92	SPH-	022BS-38	S192	HSJFP	121210	P027	CH		
211121	J026	-		-			-						
211121	J026	116	SPIRE PMW_JFETV4_A	A+	SPH-	022BS-38	S193	HSJFP	121210	P027	006		
211121	J026	117	SPIRE PMW_JFETV4_A	A-	SPH-	022BS-38	S193	HSJFP	121210	P027	025		
211121	J026	064	SPIRE PMW_JFETV4_A	SHD93	SPH-	022BS-38	S193	HSJFP	121210	P027	024		
211121	J026	FCR	SPIRE PMW_JFETV4_A	COS93	SPH-	022BS-38	S193	HSJFP	121210	P027	CH		
211121	J026	-		-			-						
211121	J026	076	SPIRE PMW_Bias1/2_A	A+	SPG-	022BS-38	S194	HSJFP	121210	P027	026		
211121	J026	077	SPIRE PMW_Bias1/2_A	A-	SPG-	022BS-38	S194	HSJFP	121210	P027	008		
211121	J026	064	SPIRE PMW_Bias1/2_A	SHD94	SPG-	022BS-38	S194	HSJFP	121210	P027	007		
211121	J026	FCR	SPIRE PMW_Bias1/2_A	COS94	SPG-	022BS-38	S194	HSJFP	121210	P027	CH		
211121	J026	-		-			-						
211121	J026	088	SPIRE PMW_Bias3/4_A	A+	SPG-	022BS-38	S195	HSJFP	121210	P027	027		
211121	J026	089	SPIRE PMW_Bias3/4_A	A-	SPG-	022BS-38	S195	HSJFP	121210	P027	009		
211121	J026	064	SPIRE PMW_Bias3/4_A	SHD95	SPG-	022BS-38	S195	HSJFP	121210	P027	028		
211121	J026	FCR	SPIRE PMW_Bias3/4_A	COS95	SPG-	022BS-38	S195	HSJFP	121210	P027	CH		
211121	J026	-		-			-						
211121	J026	064	SPIRE PMW_GND A2	-	SPX-	010B0-30	S435	HSJFP	121210	P027	028		
211121	J026	-		-			-						
211121	J026	103	SPIRE PMW_Heater_A1	A1+	SPJ-	021SS-38	S197	HSJFP	121210	P027	029		
211121	J026	113	SPIRE PMW_Heater_A1	A1-	SPJ-	021SS-38	S197	HSJFP	121210	P027	010		
211121	J026	114	SPIRE PMW_Heater_A1	SHD97	SPJ-	021SS-38	S197	HSJFP	121210	P027	011		
211121	J026	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	102	SPIRE PMW_Heater_A2	A2+	SPJ-	021SS-38	S198	HSJFP	121210	P027	012		
211121	J026	101	SPIRE PMW_Heater_A2	A2-	SPJ-	021SS-38	S198	HSJFP	121210	P027	030		
211121	J026	114	SPIRE PMW_Heater_A2	SHD98	SPJ-	021SS-38	S198	HSJFP	121210	P027	011		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	092	SPIRE PLW_Heater_A	A+	SPF-	021SS-38	S199	HSJFP	121210	P027	013		
211121	J026	104	SPIRE PLW_Heater_A	A-	SPF-	021SS-38	S199	HSJFP	121210	P027	031		
211121	J026	093	SPIRE PLW_Heater_A	SHD99	SPF-	021SS-38	S199	HSJFP	121210	P027	011		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	99	SPIRE PLW_JFETV1_A	A+	SPE-	022BS-38	S200	HSJFP	121210	P027	014		
211121	J026	100	SPIRE PLW_JFETV1_A	A-	SPE-	022BS-38	S200	HSJFP	121210	P027	032		
211121	J026	128	SPIRE PLW_JFETV1_A	SHD33	SPE-	022BS-38	S200	HSJFP	121210	P027	033		
211121	J026	FCR	SPIRE PLW_JFETV1_A	COS33	SPE-	022BS-38	S200	HSJFP	121210	P027	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	110	SPIRE PLW_JFETV2_A	A+	SPE-	022BS-38	S201	HSJFP	121210	P027	034		
211121	J026	111	SPIRE PLW_JFETV2_A	A-	SPE-	022BS-38	S201	HSJFP	121210	P027	015		
211121	J026	128	SPIRE PLW_JFETV2_A	SHD01	SPE-	022BS-38	S201	HSJFP	121210	P027	016		
211121	J026	FCR	SPIRE PLW_JFETV2_A	COS01	SPE-	022BS-38	S201	HSJFP	121210	P027	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	118	SPIRE PLW_Bias1_A	A+	SPD-	022BS-38	S202	HSJFP	121210	P027	017		
211121	J026	119	SPIRE PLW_Bias1_A	A-	SPD-	022BS-38	S202	HSJFP	121210	P027	035		
211121	J026	128	SPIRE PLW_Bias1_A	SHD02	SPD-	022BS-38	S202	HSJFP	121210	P027	036		
211121	J026	FCR	SPIRE PLW_Bias1_A	COS02	SPD-	022BS-38	S202	HSJFP	121210	P027	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	112	SPIRE PLW_Bias2_A	A+	SPD-	022BS-38	S203	HSJFP	121210	P027	037		
211121	J026	120	SPIRE PLW_Bias2_A	A-	SPD-	022BS-38	S203	HSJFP	121210	P027	018		
211121	J026	128	SPIRE PLW_Bias2_A	SHD03	SPD-	022BS-38	S203	HSJFP	121210	P027	019		
211121	J026	FCR	SPIRE PLW_Bias2_A	COS03	SPD-	022BS-38	S203	HSJFP	121210	P027	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	128	SPIRE PLW_GND C2	-	SPX-	010B0-30	S437	HSJFP	121210	P027	019		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	042	SPIRE PSW_JFETV1_B	B+	SPL-	022BS-38	S205	HSJFP	121210	P026	020		
211121	J026	054	SPIRE PSW_JFETV1_B	B-	SPL-	022BS-38	S205	HSJFP	121210	P026	002		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	001	SPIRE PSW_JFETV1_B	SHD05	SPL-	022BS-38	S205	HSJFP	121210	P026	001		
211121	J026	FCR	SPIRE PSW_JFETV1_B	COS05	SPL-	022BS-38	S205	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	053	SPIRE PSW_JFETV2_B	B+	SPL-	022BS-38	S206	HSJFP	121210	P026	003		
211121	J026	052	SPIRE PSW_JFETV2_B	B-	SPL-	022BS-38	S206	HSJFP	121210	P026	022		
211121	J026	001	SPIRE PSW_JFETV2_B	SHD06	SPL-	022BS-38	S206	HSJFP	121210	P026	021		
211121	J026	FCR	SPIRE PSW_JFETV2_B	COS06	SPL-	022BS-38	S206	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	041	SPIRE PSW_JFETV3_B	B+	SPL-	022BS-38	S207	HSJFP	121210	P026	023		
211121	J026	030	SPIRE PSW_JFETV3_B	B-	SPL-	022BS-38	S207	HSJFP	121210	P026	005		
211121	J026	001	SPIRE PSW_JFETV3_B	SHD07	SPL-	022BS-38	S207	HSJFP	121210	P026	004		
211121	J026	FCR	SPIRE PSW_JFETV3_B	COS07	SPL-	022BS-38	S207	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	010	SPIRE PSW_JFETV4_B	B+	SPL-	022BS-38	S208	HSJFP	121210	P026	006		
211121	J026	011	SPIRE PSW_JFETV4_B	B-	SPL-	022BS-38	S208	HSJFP	121210	P026	025		
211121	J026	001	SPIRE PSW_JFETV4_B	SHD08	SPL-	022BS-38	S208	HSJFP	121210	P026	024		
211121	J026	FCR	SPIRE PSW_JFETV4_B	COS08	SPL-	022BS-38	S208	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	019	SPIRE PSW_JFETV5_B	B+	SPL-	022BS-38	S209	HSJFP	121210	P026	026		
211121	J026	029	SPIRE PSW_JFETV5_B	B-	SPL-	022BS-38	S209	HSJFP	121210	P026	008		
211121	J026	001	SPIRE PSW_JFETV5_B	SHD09	SPL-	022BS-38	S209	HSJFP	121210	P026	007		
211121	J026	FCR	SPIRE PSW_JFETV5_B	COS09	SPL-	022BS-38	S209	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	016	SPIRE PSW_JFETV6_B	B+	SPL-	022BS-38	S210	HSJFP	121210	P026	009		
211121	J026	027	SPIRE PSW_JFETV6_B	B-	SPL-	022BS-38	S210	HSJFP	121210	P026	028		
211121	J026	001	SPIRE PSW_JFETV6_B	SHD10	SPL-	022BS-38	S210	HSJFP	121210	P026	027		
211121	J026	FCR	SPIRE PSW_JFETV6_B	COS10	SPL-	022BS-38	S210	HSJFP	121210	P026	CH		
211121	J026	-		-			-						
211121	J026	040	SPIRE PSW_Bias1/2_B	B+	SPK-	022BS-38	S212	HSJFP	121210	P026	011		
211121	J026	039	SPIRE PSW_Bias1/2_B	B-	SPK-	022BS-38	S212	HSJFP	121210	P026	029		
211121	J026	001	SPIRE PSW_Bias1/2_B	SHD12	SPK-	022BS-38	S212	HSJFP	121210	P026	030		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	FCR	SPIRE PSW_Bias1/2_B	COS12	SPK-	022BS-38	S212	HSJFP	121210	P026	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	018	SPIRE PSW_Bias3/4_B	B+	SPK-	022BS-38	S213	HSJFP	121210	P026	031		
211121	J026	028	SPIRE PSW_Bias3/4_B	B-	SPK-	022BS-38	S213	HSJFP	121210	P026	012		
211121	J026	001	SPIRE PSW_Bias3/4_B	SHD13	SPK-	022BS-38	S213	HSJFP	121210	P026	013		
211121	J026	FCR	SPIRE PSW_Bias3/4_B	COS13	SPK-	022BS-38	S213	HSJFP	121210	P026	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	009	SPIRE PSW_Bias5/6_B	B+	SPK-	022BS-38	S214	HSJFP	121210	P026	014		
211121	J026	017	SPIRE PSW_Bias5/6_B	B-	SPK-	022BS-38	S214	HSJFP	121210	P026	032		
211121	J026	001	SPIRE PSW_Bias5/6_B	SHD14	SPK-	022BS-38	S214	HSJFP	121210	P026	033		
211121	J026	FCR	SPIRE PSW_Bias5/6_B	COS14	SPK-	022BS-38	S214	HSJFP	121210	P026	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	001	SPIRE PSW_JFETV GND A3	-	SPX-	010B0-30	S433	HSJFP	121210	P026	010		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	013	SPIRE PSW_Heater_B1	B1+	SPM-	021SS-38	S215	HSJFP	121210	P026	034		
211121	J026	012	SPIRE PSW_Heater_B1	B1-	SPM-	021SS-38	S215	HSJFP	121210	P026	015		
211121	J026	005	SPIRE PSW_Heater_B1	SHD15	SPM-	021SS-38	S215	HSJFP	121210	P026	016		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	021	SPIRE PSW_Heater_B2	B2+	SPM-	021SS-38	S216	HSJFP	121210	P026	017		
211121	J026	020	SPIRE PSW_Heater_B2	B2-	SPM-	021SS-38	S216	HSJFP	121210	P026	035		
211121	J026	005	SPIRE PSW_Heater_B2	SHD16	SPM-	021SS-38	S216	HSJFP	121210	P026	036		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	031	SPIRE PSW_Heater_B3	B3+	SPM-	021SS-38	S217	HSJFP	121210	P026	037		
211121	J026	043	SPIRE PSW_Heater_B3	B3-	SPM-	021SS-38	S217	HSJFP	121210	P026	018		
211121	J026	005	SPIRE PSW_Heater_B3	SHD17	SPM-	021SS-38	S217	HSJFP	121210	P026	036		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	007	SPIRE PMW_JFETV1_B	B+	SPH-	022BS-38	S219	HSJFP	121210	P028	020		
211121	J026	014	SPIRE PMW_JFETV1_B	B-	SPH-	022BS-38	S219	HSJFP	121210	P028	002		
211121	J026	006	SPIRE PMW_JFETV1_B	SHD19	SPH-	022BS-38	S219	HSJFP	121210	P028	001		
211121	J026	FCR	SPIRE PMW_JFETV1_B	COS19	SPH-	022BS-38	S219	HSJFP	121210	P028	CH		
211121	J026	-	-	-	-	-	-	-	-	-	-	-	-
211121	J026	024	SPIRE PMW_JFETV2_B	B+	SPH-	022BS-38	S220	HSJFP	121210	P028	003		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	035	SPIRE PMW_JFETV2_B	B-	SPH-	022BS-38	S220	HSJFP	121210	P028	022		
211121	J026	006	SPIRE PMW_JFETV2_B	SHD20	SPH-	022BS-38	S220	HSJFP	121210	P028	021		
211121	J026	FCR	SPIRE PMW_JFETV2_B	COS20	SPH-	022BS-38	S220	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	023	SPIRE PMW_JFETV3_B	B+	SPH-	022BS-38	S221	HSJFP	121210	P028	023		
211121	J026	034	SPIRE PMW_JFETV3_B	B-	SPH-	022BS-38	S221	HSJFP	121210	P028	005		
211121	J026	006	SPIRE PMW_JFETV3_B	SHD21	SPH-	022BS-38	S221	HSJFP	121210	P028	004		
211121	J026	FCR	SPIRE PMW_JFETV3_B	COS21	SPH-	022BS-38	S221	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	033	SPIRE PMW_JFETV4_B	B+	SPH-	022BS-38	S222	HSJFP	121210	P028	006		
211121	J026	045	SPIRE PMW_JFETV4_B	B-	SPH-	022BS-38	S222	HSJFP	121210	P028	025		
211121	J026	006	SPIRE PMW_JFETV4_B	SHD22	SPH-	022BS-38	S222	HSJFP	121210	P028	024		
211121	J026	FCR	SPIRE PMW_JFETV4_B	COS22	SPH-	022BS-38	S222	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	044	SPIRE PMW_Bias1/2_B	B+	SPG-	022BS-38	S223	HSJFP	121210	P028	026		
211121	J026	056	SPIRE PMW_Bias1/2_B	B-	SPG-	022BS-38	S223	HSJFP	121210	P028	008		
211121	J026	006	SPIRE PMW_Bias1/2_B	SHD23	SPG-	022BS-38	S223	HSJFP	121210	P028	007		
211121	J026	FCR	SPIRE PMW_Bias1/2_B	COS23	SPG-	022BS-38	S223	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	022	SPIRE PMW_Bias3/4_B	B+	SPG-	022BS-38	S224	HSJFP	121210	P028	027		
211121	J026	032	SPIRE PMW_Bias3/4_B	B-	SPG-	022BS-38	S224	HSJFP	121210	P028	009		
211121	J026	006	SPIRE PMW_Bias3/4_B	SHD24	SPG-	022BS-38	S224	HSJFP	121210	P028	028		
211121	J026	FCR	SPIRE PMW_Bias3/4_B	COS24	SPG-	022BS-38	S224	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	006	SPIRE PMW_GND A4	-	SPX-	010B0-30	S438	HSJFP	121210	P028	028		
211121	J026	-		-			-						
211121	J026	055	SPIRE PMW_Heater_B1	B1+	SPJ-	021SS-38	S226	HSJFP	121210	P028	029		
211121	J026	066	SPIRE PMW_Heater_B1	B1-	SPJ-	021SS-38	S226	HSJFP	121210	P028	010		
211121	J026	065	SPIRE PMW_Heater_B1	SHD26	SPJ-	021SS-38	S226	HSJFP	121210	P028	011		
211121	J026	-		-			-						
211121	J026	067	SPIRE PMW_Heater_B2	B2+	SPJ-	021SS-38	S227	HSJFP	121210	P028	012		
211121	J026	078	SPIRE PMW_Heater_B2	B2-	SPJ-	021SS-38	S227	HSJFP	121210	P028	030		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	065	SPIRE PMW_Heater_B2	SHD27	SPJ-	021SS-38	S227	HSJFP	121210	P028	011		
211121	J026	-		-			-						
211121	J026	090	SPIRE PLW_Heater_B	B+	SPF-	021SS-38	S228	HSJFP	121210	P028	013		
211121	J026	079	SPIRE PLW_Heater_B	B-	SPF-	021SS-38	S228	HSJFP	121210	P028	031		
211121	J026	065	SPIRE PLW_Heater_B	SHD28	SPF-	021SS-38	S228	HSJFP	121210	P028	011		
211121	J026	-		-			-						
211121	J026	070	SPIRE PLW_JFETV1_B	B+	SPE-	022BS-38	S229	HSJFP	121210	P028	014		
211121	J026	081	SPIRE PLW_JFETV1_B	B-	SPE-	022BS-38	S229	HSJFP	121210	P028	032		
211121	J026	091	SPIRE PLW_JFETV1_B	SHD29	SPE-	022BS-38	S229	HSJFP	121210	P028	033		
211121	J026	FCR	SPIRE PLW_JFETV1_B	COS29	SPE-	022BS-38	S229	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	069	SPIRE PLW_JFETV2_B	B+	SPE-	022BS-38	S230	HSJFP	121210	P028	034		
211121	J026	080	SPIRE PLW_JFETV2_B	B-	SPE-	022BS-38	S230	HSJFP	121210	P028	015		
211121	J026	091	SPIRE PLW_JFETV2_B	SHD30	SPE-	022BS-38	S230	HSJFP	121210	P028	016		
211121	J026	FCR	SPIRE PLW_JFETV2_B	COS30	SPE-	022BS-38	S230	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	068	SPIRE PLW_Bias1_B	B+	SPD-	022BS-38	S231	HSJFP	121210	P028	017		
211121	J026	057	SPIRE PLW_Bias1_B	B-	SPD-	022BS-38	S231	HSJFP	121210	P028	035		
211121	J026	091	SPIRE PLW_Bias1_B	SHD31	SPD-	022BS-38	S231	HSJFP	121210	P028	036		
211121	J026	FCR	SPIRE PLW_Bias1_B	COS31	SPD-	022BS-38	S231	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	058	SPIRE PLW_Bias2_B	B+	SPD-	022BS-38	S232	HSJFP	121210	P028	037		
211121	J026	046	SPIRE PLW_Bias2_B	B-	SPD-	022BS-38	S232	HSJFP	121210	P028	018		
211121	J026	091	SPIRE PLW_Bias2_B	SHD32	SPD-	022BS-38	S232	HSJFP	121210	P028	019		
211121	J026	FCR	SPIRE PLW_Bias2_B	COS32	SPD-	022BS-38	S232	HSJFP	121210	P028	CH		
211121	J026	-		-			-						
211121	J026	091	SPIRE PLW_GND C4	-	SPX-	010B0-30	S440	HSJFP	121210	P028	019		
211121	J026	-		-			-						
211121	J026	002	to be con as part of FCR	-			-						
211121	J026	003	to be con as part of FCR	-			-						
211121	J026	004	to be con as part of FCR	-			-						
211121	J026	005	to be con as part of FCR	-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J026	007	to be con as part of FCR	-			-						
211121	J026	008	to be con as part of FCR	-			-						
211121	J026	015	to be con as part of FCR	-			-						
211121	J026	025	to be con as part of FCR	-			-						
211121	J026	047	to be con as part of FCR	-			-						
211121	J026	065	to be con as part of FCR	-			-						
211121	J026	082	to be con as part of FCR	-			-						
211121	J026	093	to be con as part of FCR	-			-						
211121	J026	094	to be con as part of FCR	-			-						
211121	J026	105	to be con as part of FCR	-			-						
211121	J026	114	to be con as part of FCR	-			-						
211121	J026	115	to be con as part of FCR	-			-						
211121	J026	121	to be con as part of FCR	-			-						
211121	J026	122	to be con as part of FCR	-			-						
211121	J026	123	to be con as part of FCR	-			-						
211121	J026	124	to be con as part of FCR	-			-						
211121	J026	125	to be con as part of FCR	-			-						
211121	J026	126	to be con as part of FCR	-			-						
211121	J026	127	to be con as part of FCR	-			-						
211121	J026	-		-			-						
211121	J026		CH to be isolated from FCR	-			-						
211121	J026	-	Bundles Isolated from S/C structure	-			-						
Date:			Name:			SPIRE:			ESA:				

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	026	SPIRE PSW (3) Ch01-04	1+	SPC-	12AXD-38	S140	HSJFP	121210	P005	001		
211121	J027	037	SPIRE PSW (3) Ch01-04	1-	SPC-	12AXD-38	S140	HSJFP	121210	P005	014		
211121	J027	036	SPIRE PSW (3) Ch01-04	1gnd	SPC-	12AXD-38	S140	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	038	SPIRE PSW (3) Ch01-04	2+	SPC-	12AXD-38	S140	HSJFP	121210	P005	002		
211121	J027	049	SPIRE PSW (3) Ch01-04	2-	SPC-	12AXD-38	S140	HSJFP	121210	P005	015		
211121	J027	036	SPIRE PSW (3) Ch01-04	2gnd	SPC-	12AXD-38	S140	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	048	SPIRE PSW (3) Ch01-04	3+	SPC-	12AXD-38	S140	HSJFP	121210	P005	003		
211121	J027	060	SPIRE PSW (3) Ch01-04	3-	SPC-	12AXD-38	S140	HSJFP	121210	P005	016		
211121	J027	036	SPIRE PSW (3) Ch01-04	3gnd	SPC-	12AXD-38	S140	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	059	SPIRE PSW (3) Ch01-04	4+	SPC-	12AXD-38	S140	HSJFP	121210	P005	004		
211121	J027	071	SPIRE PSW (3) Ch01-04	4-	SPC-	12AXD-38	S140	HSJFP	121210	P005	017		
211121	J027	036	SPIRE PSW (3) Ch01-04	4gnd	SPC-	12AXD-38	S140	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	036	SPIRE PSW (3) Ch01-04	SHD40	SPC-	12AXD-38	S140	HSJFP	121210	P005	013		
211121	J027	FCR	SPIRE PSW (3) Ch01-04	COS40	SPC-	12AXD-38	S140	HSJFP	121210	P005	CH		
211121	J027	-		-			-						
211121	J027	050	SPIRE PSW (3) Ch05-08	5+	SPC-	12AXD-38	S141	HSJFP	121210	P005	005		
211121	J027	061	SPIRE PSW (3) Ch05-08	5-	SPC-	12AXD-38	S141	HSJFP	121210	P005	018		
211121	J027	036	SPIRE PSW (3) Ch05-08	5gnd	SPC-	12AXD-38	S141	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	062	SPIRE PSW (3) Ch05-08	6+	SPC-	12AXD-38	S141	HSJFP	121210	P005	006		
211121	J027	051	SPIRE PSW (3) Ch05-08	6-	SPC-	12AXD-38	S141	HSJFP	121210	P005	019		
211121	J027	036	SPIRE PSW (3) Ch05-08	6gnd	SPC-	12AXD-38	S141	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	063	SPIRE PSW (3) Ch05-08	7+	SPC-	12AXD-38	S141	HSJFP	121210	P005	020		
211121	J027	075	SPIRE PSW (3) Ch05-08	7-	SPC-	12AXD-38	S141	HSJFP	121210	P005	007		
211121	J027	036	SPIRE PSW (3) Ch05-08	7gnd	SPC-	12AXD-38	S141	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	074	SPIRE PSW (3) Ch05-08	8+	SPC-	12AXD-38	S141	HSJFP	121210	P005	021		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	073	SPIRE PSW (3) Ch05-08	8-	SPC-	12AXD-38	S141	HSJFP	121210	P005	008		
211121	J027	036	SPIRE PSW (3) Ch05-08	8gnd	SPC-	12AXD-38	S141	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	036	SPIRE PSW (3) Ch05-08	SHD41	SPC-	12AXD-38	S141	HSJFP	121210	P005	013		
211121	J027	FCR	SPIRE PSW (3) Ch05-08	COS41	SPC-	12AXD-38	S141	HSJFP	121210	P005	CH		
211121	J027	-		-			-						
211121	J027	083	SPIRE PSW (3) Ch09-12	9+	SPC-	12AXD-38	S142	HSJFP	121210	P005	022		
211121	J027	072	SPIRE PSW (3) Ch09-12	9-	SPC-	12AXD-38	S142	HSJFP	121210	P005	009		
211121	J027	036	SPIRE PSW (3) Ch09-12	9gnd	SPC-	12AXD-38	S142	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	095	SPIRE PSW (3) Ch09-12	10+	SPC-	12AXD-38	S142	HSJFP	121210	P005	023		
211121	J027	084	SPIRE PSW (3) Ch09-12	10-	SPC-	12AXD-38	S142	HSJFP	121210	P005	010		
211121	J027	036	SPIRE PSW (3) Ch09-12	10gnd	SPC-	12AXD-38	S142	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	096	SPIRE PSW (3) Ch09-12	11+	SPC-	12AXD-38	S142	HSJFP	121210	P005	024		
211121	J027	085	SPIRE PSW (3) Ch09-12	11-	SPC-	12AXD-38	S142	HSJFP	121210	P005	011		
211121	J027	036	SPIRE PSW (3) Ch09-12	11gnd	SPC-	12AXD-38	S142	HSJFP	121210	P005	013		
211121	J027	-		-			-						
211121	J027	106	SPIRE PSW (3) Ch09-12	12+	SPC-	12AXD-38	S142	HSJFP	121210	P005	025		
211121	J027	107	SPIRE PSW (3) Ch09-12	12-	SPC-	12AXD-38	S142	HSJFP	121210	P005	012		
211121	J027	036	SPIRE PSW (3) Ch09-12	12gnd	SPC-	12AXD-38	S142	HSJFP	121210	P005	013		
211121	J027	036	SPIRE PSW (3) Ch09-12	SHD42	SPC-	12AXD-38	S142	HSJFP	121210	P005	013		
211121	J027	FCR	SPIRE PSW (3) Ch09-12	COS42	SPC-	12AXD-38	S142	HSJFP	121210	P005	CH		
211121	J027	-		-			-						
211121	J027	086	SPIRE PSW (3) Ch13-16	13+	SPC-	12AXD-38	S145	HSJFP	121210	P006	001		
211121	J027	087	SPIRE PSW (3) Ch13-16	13-	SPC-	12AXD-38	S145	HSJFP	121210	P006	014		
211121	J027	128	SPIRE PSW (3) Ch13-16	13gnd	SPC-	12AXD-38	S145	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	097	SPIRE PSW (3) Ch13-16	14+	SPC-	12AXD-38	S145	HSJFP	121210	P006	002		
211121	J027	098	SPIRE PSW (3) Ch13-16	14-	SPC-	12AXD-38	S145	HSJFP	121210	P006	015		
211121	J027	128	SPIRE PSW (3) Ch13-16	14gnd	SPC-	12AXD-38	S145	HSJFP	121210	P006	013		
211121	J027	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	108	SPIRE PSW (3) Ch13-16	15+	SPC-	12AXD-38	S145	HSJFP	121210	P006	003		
211121	J027	109	SPIRE PSW (3) Ch13-16	15-	SPC-	12AXD-38	S145	HSJFP	121210	P006	016		
211121	J027	128	SPIRE PSW (3) Ch13-16	15gnd	SPC-	12AXD-38	S145	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	116	SPIRE PSW (3) Ch13-16	16+	SPC-	12AXD-38	S145	HSJFP	121210	P006	004		
211121	J027	117	SPIRE PSW (3) Ch13-16	16-	SPC-	12AXD-38	S145	HSJFP	121210	P006	017		
211121	J027	128	SPIRE PSW (3) Ch13-16	16gnd	SPC-	12AXD-38	S145	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	128	SPIRE PSW (3) Ch13-16	SHD45	SPC-	12AXD-38	S145	HSJFP	121210	P006	013		
211121	J027	FCR	SPIRE PSW (3) Ch13-16	COS45	SPC-	12AXD-38	S145	HSJFP	121210	P006	CH		
211121	J027	-		-			-						
211121	J027	055	SPIRE PSW (3) Ch17-20	17+	SPC-	12AXD-38	S146	HSJFP	121210	P006	005		
211121	J027	066	SPIRE PSW (3) Ch17-20	17-	SPC-	12AXD-38	S146	HSJFP	121210	P006	018		
211121	J027	128	SPIRE PSW (3) Ch17-20	17gnd	SPC-	12AXD-38	S146	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	067	SPIRE PSW (3) Ch17-20	18+	SPC-	12AXD-38	S146	HSJFP	121210	P006	006		
211121	J027	078	SPIRE PSW (3) Ch17-20	18-	SPC-	12AXD-38	S146	HSJFP	121210	P006	019		
211121	J027	128	SPIRE PSW (3) Ch17-20	18gnd	SPC-	12AXD-38	S146	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	076	SPIRE PSW (3) Ch17-20	19+	SPC-	12AXD-38	S146	HSJFP	121210	P006	020		
211121	J027	077	SPIRE PSW (3) Ch17-20	19-	SPC-	12AXD-38	S146	HSJFP	121210	P006	007		
211121	J027	128	SPIRE PSW (3) Ch17-20	19gnd	SPC-	12AXD-38	S146	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	088	SPIRE PSW (3) Ch17-20	20+	SPC-	12AXD-38	S146	HSJFP	121210	P006	021		
211121	J027	089	SPIRE PSW (3) Ch17-20	20-	SPC-	12AXD-38	S146	HSJFP	121210	P006	008		
211121	J027	128	SPIRE PSW (3) Ch17-20	20gnd	SPC-	12AXD-38	S146	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	128	SPIRE PSW (3) Ch17-20	SHD46	SPC-	12AXD-38	S146	HSJFP	121210	P006	013		
211121	J027	FCR	SPIRE PSW (3) Ch17-20	COS46	SPC-	12AXD-38	S146	HSJFP	121210	P006	CH		
211121	J027	-		-			-						
211121	J027	099	SPIRE PSW (3) Ch21-24	21+	SPC-	12AXD-38	S147	HSJFP	121210	P006	022		
211121	J027	100	SPIRE PSW (3) Ch21-24	21-	SPC-	12AXD-38	S147	HSJFP	121210	P006	009		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	128	SPIRE PSW (3) Ch21-24	21gnd	SPC-	12AXD-38	S147	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	110	SPIRE PSW (3) Ch21-24	22+	SPC-	12AXD-38	S147	HSJFP	121210	P006	023		
211121	J027	111	SPIRE PSW (3) Ch21-24	22-	SPC-	12AXD-38	S147	HSJFP	121210	P006	010		
211121	J027	128	SPIRE PSW (3) Ch21-24	22gnd	SPC-	12AXD-38	S147	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	118	SPIRE PSW (3) Ch21-24	23+	SPC-	12AXD-38	S147	HSJFP	121210	P006	024		
211121	J027	119	SPIRE PSW (3) Ch21-24	23-	SPC-	12AXD-38	S147	HSJFP	121210	P006	011		
211121	J027	128	SPIRE PSW (3) Ch21-24	23gnd	SPC-	12AXD-38	S147	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	112	SPIRE PSW (3) Ch21-24	24+	SPC-	12AXD-38	S147	HSJFP	121210	P006	025		
211121	J027	120	SPIRE PSW (3) Ch21-24	24-	SPC-	12AXD-38	S147	HSJFP	121210	P006	012		
211121	J027	128	SPIRE PSW (3) Ch21-24	24gnd	SPC-	12AXD-38	S147	HSJFP	121210	P006	013		
211121	J027	-		-			-						
211121	J027	128	SPIRE PSW (3) Ch21-24	SHD47	SPC-	12AXD-38	S147	HSJFP	121210	P006	013		
211121	J027	FCR	SPIRE PSW (3) Ch21-24	COS47	SPC-	12AXD-38	S147	HSJFP	121210	P006	CH		
211121	J027	-		-			-						
211121	J027	090	SPIRE PSW (4) Ch25-28	25+	SPC-	12AXD-38	S149	HSJFP	121210	P007	001		
211121	J027	079	SPIRE PSW (4) Ch25-28	25-	SPC-	12AXD-38	S149	HSJFP	121210	P007	014		
211121	J027	047	SPIRE PSW (4) Ch25-28	25gnd	SPC-	12AXD-38	S149	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	102	SPIRE PSW (4) Ch25-28	26+	SPC-	12AXD-38	S149	HSJFP	121210	P007	002		
211121	J027	101	SPIRE PSW (4) Ch25-28	26-	SPC-	12AXD-38	S149	HSJFP	121210	P007	015		
211121	J027	047	SPIRE PSW (4) Ch25-28	26gnd	SPC-	12AXD-38	S149	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	092	SPIRE PSW (4) Ch25-28	27+	SPC-	12AXD-38	S149	HSJFP	121210	P007	003		
211121	J027	091	SPIRE PSW (4) Ch25-28	27-	SPC-	12AXD-38	S149	HSJFP	121210	P007	016		
211121	J027	047	SPIRE PSW (4) Ch25-28	27gnd	SPC-	12AXD-38	S149	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	103	SPIRE PSW (4) Ch25-28	28+	SPC-	12AXD-38	S149	HSJFP	121210	P007	004		
211121	J027	113	SPIRE PSW (4) Ch25-28	28-	SPC-	12AXD-38	S149	HSJFP	121210	P007	017		
211121	J027	047	SPIRE PSW (4) Ch25-28	28gnd	SPC-	12AXD-38	S149	HSJFP	121210	P007	013		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	-		-			-						
211121	J027	047	SPIRE PSW (4) Ch25-28	SHD49	SPC-	12AXD-38	S149	HSJFP	121210	P007	013		
211121	J027	FCR	SPIRE PSW (4) Ch25-28	COS49	SPC-	12AXD-38	S149	HSJFP	121210	P007	CH		
211121	J027	-		-			-						
211121	J027	058	SPIRE PSW (4) Ch29-32	29+	SPC-	12AXD-38	S150	HSJFP	121210	P007	005		
211121	J027	046	SPIRE PSW (4) Ch29-32	29-	SPC-	12AXD-38	S150	HSJFP	121210	P007	018		
211121	J027	047	SPIRE PSW (4) Ch29-32	29gnd	SPC-	12AXD-38	S150	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	068	SPIRE PSW (4) Ch29-32	30+	SPC-	12AXD-38	S150	HSJFP	121210	P007	006		
211121	J027	057	SPIRE PSW (4) Ch29-32	30-	SPC-	12AXD-38	S150	HSJFP	121210	P007	019		
211121	J027	047	SPIRE PSW (4) Ch29-32	30gnd	SPC-	12AXD-38	S150	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	069	SPIRE PSW (4) Ch29-32	31+	SPC-	12AXD-38	S150	HSJFP	121210	P007	020		
211121	J027	080	SPIRE PSW (4) Ch29-32	31-	SPC-	12AXD-38	S150	HSJFP	121210	P007	007		
211121	J027	047	SPIRE PSW (4) Ch29-32	31gnd	SPC-	12AXD-38	S150	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	070	SPIRE PSW (4) Ch29-32	32+	SPC-	12AXD-38	S150	HSJFP	121210	P007	021		
211121	J027	081	SPIRE PSW (4) Ch29-32	32-	SPC-	12AXD-38	S150	HSJFP	121210	P007	008		
211121	J027	047	SPIRE PSW (4) Ch29-32	32gnd	SPC-	12AXD-38	S150	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	047	SPIRE PSW (4) Ch29-32	SHD50	SPC-	12AXD-38	S150	HSJFP	121210	P007	013		
211121	J027	FCR	SPIRE PSW (4) Ch29-32	COS50	SPC-	12AXD-38	S150	HSJFP	121210	P007	CH		
211121	J027	-		-			-						
211121	J027	023	SPIRE PSW (4) Ch33-36	33+	SPC-	12AXD-38	S151	HSJFP	121210	P007	022		
211121	J027	034	SPIRE PSW (4) Ch33-36	33-	SPC-	12AXD-38	S151	HSJFP	121210	P007	009		
211121	J027	047	SPIRE PSW (4) Ch33-36	33gnd	SPC-	12AXD-38	S151	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	033	SPIRE PSW (4) Ch33-36	34+	SPC-	12AXD-38	S151	HSJFP	121210	P007	023		
211121	J027	045	SPIRE PSW (4) Ch33-36	34-	SPC-	12AXD-38	S151	HSJFP	121210	P007	010		
211121	J027	047	SPIRE PSW (4) Ch33-36	34gnd	SPC-	12AXD-38	S151	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	044	SPIRE PSW (4) Ch33-36	35+	SPC-	12AXD-38	S151	HSJFP	121210	P007	024		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	056	SPIRE PSW (4) Ch33-36	35-	SPC-	12AXD-38	S151	HSJFP	121210	P007	011		
211121	J027	047	SPIRE PSW (4) Ch33-36	35gnd	SPC-	12AXD-38	S151	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	022	SPIRE PSW (4) Ch33-36	36+	SPC-	12AXD-38	S151	HSJFP	121210	P007	025		
211121	J027	032	SPIRE PSW (4) Ch33-36	36-	SPC-	12AXD-38	S151	HSJFP	121210	P007	012		
211121	J027	047	SPIRE PSW (4) Ch33-36	36gnd	SPC-	12AXD-38	S151	HSJFP	121210	P007	013		
211121	J027	-		-			-						
211121	J027	047	SPIRE PSW (4) Ch33-36	SHD51	SPC-	12AXD-38	S151	HSJFP	121210	P007	013		
211121	J027	FCR	SPIRE PSW (4) Ch33-36	COS51	SPC-	12AXD-38	S151	HSJFP	121210	P007	CH		
211121	J027	-		-			-						
211121	J027	013	SPIRE PSW (4) Ch37-40	37+	SPC-	12AXD-38	S154	HSJFP	121210	P008	001		
211121	J027	012	SPIRE PSW (4) Ch37-40	37-	SPC-	12AXD-38	S154	HSJFP	121210	P008	014		
211121	J027	004	SPIRE PSW (4) Ch37-40	37gnd	SPC-	12AXD-38	S154	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	021	SPIRE PSW (4) Ch37-40	38+	SPC-	12AXD-38	S154	HSJFP	121210	P008	002		
211121	J027	020	SPIRE PSW (4) Ch37-40	38-	SPC-	12AXD-38	S154	HSJFP	121210	P008	015		
211121	J027	004	SPIRE PSW (4) Ch37-40	38gnd	SPC-	12AXD-38	S154	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	031	SPIRE PSW (4) Ch37-40	39+	SPC-	12AXD-38	S154	HSJFP	121210	P008	003		
211121	J027	043	SPIRE PSW (4) Ch37-40	39-	SPC-	12AXD-38	S154	HSJFP	121210	P008	016		
211121	J027	004	SPIRE PSW (4) Ch37-40	39gnd	SPC-	12AXD-38	S154	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	042	SPIRE PSW (4) Ch37-40	40+	SPC-	12AXD-38	S154	HSJFP	121210	P008	004		
211121	J027	054	SPIRE PSW (4) Ch37-40	40-	SPC-	12AXD-38	S154	HSJFP	121210	P008	017		
211121	J027	004	SPIRE PSW (4) Ch37-40	40gnd	SPC-	12AXD-38	S154	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	004	SPIRE PSW (4) Ch37-40	SHD54	SPC-	12AXD-38	S154	HSJFP	121210	P008	013		
211121	J027	FCR	SPIRE PSW (4) Ch37-40	COS54	SPC-	12AXD-38	S154	HSJFP	121210	P008	CH		
211121	J027	-		-			-						
211121	J027	010	SPIRE PSW (4) Ch41-44	41+	SPC-	12AXD-38	S155	HSJFP	121210	P008	005		
211121	J027	011	SPIRE PSW (4) Ch41-44	41-	SPC-	12AXD-38	S155	HSJFP	121210	P008	018		
211121	J027	004	SPIRE PSW (4) Ch41-44	41gnd	SPC-	12AXD-38	S155	HSJFP	121210	P008	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	-		-			-						
211121	J027	019	SPIRE PSW (4) Ch41-44	42+	SPC-	12AXD-38	S155	HSJFP	121210	P008	006		
211121	J027	029	SPIRE PSW (4) Ch41-44	42-	SPC-	12AXD-38	S155	HSJFP	121210	P008	019		
211121	J027	004	SPIRE PSW (4) Ch41-44	42gnd	SPC-	12AXD-38	S155	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	041	SPIRE PSW (4) Ch41-44	43+	SPC-	12AXD-38	S155	HSJFP	121210	P008	020		
211121	J027	030	SPIRE PSW (4) Ch41-44	43-	SPC-	12AXD-38	S155	HSJFP	121210	P008	007		
211121	J027	004	SPIRE PSW (4) Ch41-44	43gnd	SPC-	12AXD-38	S155	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	053	SPIRE PSW (4) Ch41-44	44+	SPC-	12AXD-38	S155	HSJFP	121210	P008	021		
211121	J027	052	SPIRE PSW (4) Ch41-44	44-	SPC-	12AXD-38	S155	HSJFP	121210	P008	008		
211121	J027	004	SPIRE PSW (4) Ch41-44	44gnd	SPC-	12AXD-38	S155	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	004	SPIRE PSW (4) Ch41-44	SHD55	SPC-	12AXD-38	S155	HSJFP	121210	P008	013		
211121	J027	FCR	SPIRE PSW (4) Ch41-44	COS55	SPC-	12AXD-38	S155	HSJFP	121210	P008	CH		
211121	J027	-		-			-						
211121	J027	009	SPIRE PSW (4) Ch45-48	45+	SPC-	12AXD-38	S156	HSJFP	121210	P008	022		
211121	J027	017	SPIRE PSW (4) Ch45-48	45-	SPC-	12AXD-38	S156	HSJFP	121210	P008	009		
211121	J027	004	SPIRE PSW (4) Ch45-48	45gnd	SPC-	12AXD-38	S156	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	018	SPIRE PSW (4) Ch45-48	46+	SPC-	12AXD-38	S156	HSJFP	121210	P008	023		
211121	J027	028	SPIRE PSW (4) Ch45-48	46-	SPC-	12AXD-38	S156	HSJFP	121210	P008	010		
211121	J027	004	SPIRE PSW (4) Ch45-48	46gnd	SPC-	12AXD-38	S156	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	016	SPIRE PSW (4) Ch45-48	47+	SPC-	12AXD-38	S156	HSJFP	121210	P008	024		
211121	J027	027	SPIRE PSW (4) Ch45-48	47-	SPC-	12AXD-38	S156	HSJFP	121210	P008	011		
211121	J027	004	SPIRE PSW (4) Ch45-48	47gnd	SPC-	12AXD-38	S156	HSJFP	121210	P008	013		
211121	J027	-		-			-						
211121	J027	040	SPIRE PSW (4) Ch45-48	48+	SPC-	12AXD-38	S156	HSJFP	121210	P008	025		
211121	J027	039	SPIRE PSW (4) Ch45-48	48-	SPC-	12AXD-38	S156	HSJFP	121210	P008	012		
211121	J027	004	SPIRE PSW (4) Ch45-48	48gnd	SPC-	12AXD-38	S156	HSJFP	121210	P008	013		
211121	J027	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027	004	SPIRE PSW (4) Ch45-48	SHD56	SPC-	12AXD-38	S156	HSJFP	121210	P008	013		
211121	J027	FCR	SPIRE PSW (4) Ch45-48	COS56	SPC-	12AXD-38	S156	HSJFP	121210	P008	CH		
211121	J027	-		-			-						
211121	J027	001	to be con as part of FCR	-			-						
211121	J027	002	to be con as part of FCR	-			-						
211121	J027	003	to be con as part of FCR	-			-						
211121	J027	005	to be con as part of FCR	-			-						
211121	J027	006	to be con as part of FCR	-			-						
211121	J027	007	to be con as part of FCR	-			-						
211121	J027	008	to be con as part of FCR	-			-						
211121	J027	014	to be con as part of FCR	-			-						
211121	J027	015	to be con as part of FCR	-			-						
211121	J027	024	to be con as part of FCR	-			-						
211121	J027	025	to be con as part of FCR	-			-						
211121	J027	035	to be con as part of FCR	-			-						
211121	J027	082	to be con as part of FCR	-			-						
211121	J027	093	to be con as part of FCR	-			-						
211121	J027	094	to be con as part of FCR	-			-						
211121	J027	104	to be con as part of FCR	-			-						
211121	J027	105	to be con as part of FCR	-			-						
211121	J027	114	to be con as part of FCR	-			-						
211121	J027	115	to be con as part of FCR	-			-						
211121	J027	121	to be con as part of FCR	-			-						
211121	J027	122	to be con as part of FCR	-			-						
211121	J027	123	to be con as part of FCR	-			-						
211121	J027	124	to be con as part of FCR	-			-						
211121	J027	125	to be con as part of FCR	-			-						
211121	J027	126	to be con as part of FCR	-			-						
211121	J027	127	to be con as part of FCR	-			-						
211121	J027	-		-			-						

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J027		CH to be isolated from FCR	-			-						
211121	J027	-	Bundles Isolated from S/C structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	026	SPIRE PSW Ch01-04	1+	SPC-	12AXD-38	S122	HSJFP	121210	P001	001		
211121	J028	037	SPIRE PSW Ch01-04	1-	SPC-	12AXD-38	S122	HSJFP	121210	P001	014		
211121	J028	036	SPIRE PSW Ch01-04	1gnd	SPC-	12AXD-38	S122	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	038	SPIRE PSW Ch01-04	2+	SPC-	12AXD-38	S122	HSJFP	121210	P001	002		
211121	J028	049	SPIRE PSW Ch01-04	2-	SPC-	12AXD-38	S122	HSJFP	121210	P001	015		
211121	J028	036	SPIRE PSW Ch01-04	2gnd	SPC-	12AXD-38	S122	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	048	SPIRE PSW Ch01-04	3+	SPC-	12AXD-38	S122	HSJFP	121210	P001	003		
211121	J028	060	SPIRE PSW Ch01-04	3-	SPC-	12AXD-38	S122	HSJFP	121210	P001	016		
211121	J028	036	SPIRE PSW Ch01-04	3gnd	SPC-	12AXD-38	S122	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	059	SPIRE PSW Ch01-04	4+	SPC-	12AXD-38	S122	HSJFP	121210	P001	004		
211121	J028	071	SPIRE PSW Ch01-04	4-	SPC-	12AXD-38	S122	HSJFP	121210	P001	017		
211121	J028	036	SPIRE PSW Ch01-04	4gnd	SPC-	12AXD-38	S122	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	036	SPIRE PSW Ch01-04	SHD22	SPC-	12AXD-38	S122	HSJFP	121210	P001	013		
211121	J028	FCR	SPIRE PSW Ch01-04	COS22	SPC-	12AXD-38	S122	HSJFP	121210	P001	CH		
211121	J028	-		-			-						
211121	J028	050	SPIRE PSW Ch05-08	5+	SPC-	12AXD-38	S123	HSJFP	121210	P001	005		
211121	J028	061	SPIRE PSW Ch05-08	5-	SPC-	12AXD-38	S123	HSJFP	121210	P001	018		
211121	J028	036	SPIRE PSW Ch05-08	5gnd	SPC-	12AXD-38	S123	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	062	SPIRE PSW Ch05-08	6+	SPC-	12AXD-38	S123	HSJFP	121210	P001	006		
211121	J028	051	SPIRE PSW Ch05-08	6-	SPC-	12AXD-38	S123	HSJFP	121210	P001	019		
211121	J028	036	SPIRE PSW Ch05-08	6gnd	SPC-	12AXD-38	S123	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	063	SPIRE PSW Ch05-08	7+	SPC-	12AXD-38	S123	HSJFP	121210	P001	020		
211121	J028	075	SPIRE PSW Ch05-08	7-	SPC-	12AXD-38	S123	HSJFP	121210	P001	007		
211121	J028	036	SPIRE PSW Ch05-08	7gnd	SPC-	12AXD-38	S123	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	074	SPIRE PSW Ch05-08	8+	SPC-	12AXD-38	S123	HSJFP	121210	P001	021		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	073	SPIRE PSW Ch05-08	8-	SPC-	12AXD-38	S123	HSJFP	121210	P001	008		
211121	J028	036	SPIRE PSW Ch05-08	8gnd	SPC-	12AXD-38	S123	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	036	SPIRE PSW Ch05-08	SHD23	SPC-	12AXD-38	S123	HSJFP	121210	P001	013		
211121	J028	FCR	SPIRE PSW Ch05-08	COS23	SPC-	12AXD-38	S123	HSJFP	121210	P001	CH		
211121	J028	-		-			-						
211121	J028	083	SPIRE PSW Ch09-12	9+	SPC-	12AXD-38	S124	HSJFP	121210	P001	022		
211121	J028	072	SPIRE PSW Ch09-12	9-	SPC-	12AXD-38	S124	HSJFP	121210	P001	009		
211121	J028	036	SPIRE PSW Ch09-12	9gnd	SPC-	12AXD-38	S124	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	095	SPIRE PSW Ch09-12	10+	SPC-	12AXD-38	S124	HSJFP	121210	P001	023		
211121	J028	084	SPIRE PSW Ch09-12	10-	SPC-	12AXD-38	S124	HSJFP	121210	P001	010		
211121	J028	036	SPIRE PSW Ch09-12	10gnd	SPC-	12AXD-38	S124	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	096	SPIRE PSW Ch09-12	11+	SPC-	12AXD-38	S124	HSJFP	121210	P001	024		
211121	J028	085	SPIRE PSW Ch09-12	11-	SPC-	12AXD-38	S124	HSJFP	121210	P001	011		
211121	J028	036	SPIRE PSW Ch09-12	11gnd	SPC-	12AXD-38	S124	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	106	SPIRE PSW Ch09-12	12+	SPC-	12AXD-38	S124	HSJFP	121210	P001	025		
211121	J028	107	SPIRE PSW Ch09-12	12-	SPC-	12AXD-38	S124	HSJFP	121210	P001	012		
211121	J028	036	SPIRE PSW Ch09-12	12gnd	SPC-	12AXD-38	S124	HSJFP	121210	P001	013		
211121	J028	-		-			-						
211121	J028	036	SPIRE PSW Ch09-12	SHD24	SPC-	12AXD-38	S124	HSJFP	121210	P001	013		
211121	J028	FCR	SPIRE PSW Ch09-12	COS24	SPC-	12AXD-38	S124	HSJFP	121210	P001	CH		
211121	J028	-		-			-						
211121	J028	086	SPIRE PSW Ch13-16	13+	SPC-	12AXD-38	S127	HSJFP	121210	P002	001		
211121	J028	087	SPIRE PSW Ch13-16	13-	SPC-	12AXD-38	S127	HSJFP	121210	P002	014		
211121	J028	128	SPIRE PSW Ch13-16	13gnd	SPC-	12AXD-38	S127	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	097	SPIRE PSW Ch13-16	14+	SPC-	12AXD-38	S127	HSJFP	121210	P002	002		
211121	J028	098	SPIRE PSW Ch13-16	14-	SPC-	12AXD-38	S127	HSJFP	121210	P002	015		
211121	J028	128	SPIRE PSW Ch13-16	14gnd	SPC-	12AXD-38	S127	HSJFP	121210	P002	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	-		-			-						
211121	J028	108	SPIRE PSW Ch13-16	15+	SPC-	12AXD-38	S127	HSJFP	121210	P002	003		
211121	J028	109	SPIRE PSW Ch13-16	15-	SPC-	12AXD-38	S127	HSJFP	121210	P002	016		
211121	J028	128	SPIRE PSW Ch13-16	15gnd	SPC-	12AXD-38	S127	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	116	SPIRE PSW Ch13-16	16+	SPC-	12AXD-38	S127	HSJFP	121210	P002	004		
211121	J028	117	SPIRE PSW Ch13-16	16-	SPC-	12AXD-38	S127	HSJFP	121210	P002	017		
211121	J028	128	SPIRE PSW Ch13-16	16gnd	SPC-	12AXD-38	S127	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	128	SPIRE PSW Ch13-16	SHD27	SPC-	12AXD-38	S127	HSJFP	121210	P002	013		
211121	J028	FCR	SPIRE PSW Ch13-16	COS27	SPC-	12AXD-38	S127	HSJFP	121210	P002	CH		
211121	J028	-		-			-						
211121	J028	055	SPIRE PSW Ch17-20	17+	SPC-	12AXD-38	S128	HSJFP	121210	P002	005		
211121	J028	066	SPIRE PSW Ch17-20	17-	SPC-	12AXD-38	S128	HSJFP	121210	P002	018		
211121	J028	128	SPIRE PSW Ch17-20	17gnd	SPC-	12AXD-38	S128	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	067	SPIRE PSW Ch17-20	18+	SPC-	12AXD-38	S128	HSJFP	121210	P002	006		
211121	J028	078	SPIRE PSW Ch17-20	18-	SPC-	12AXD-38	S128	HSJFP	121210	P002	019		
211121	J028	128	SPIRE PSW Ch17-20	18gnd	SPC-	12AXD-38	S128	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	076	SPIRE PSW Ch17-20	19+	SPC-	12AXD-38	S128	HSJFP	121210	P002	020		
211121	J028	077	SPIRE PSW Ch17-20	19-	SPC-	12AXD-38	S128	HSJFP	121210	P002	007		
211121	J028	128	SPIRE PSW Ch17-20	19gnd	SPC-	12AXD-38	S128	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	088	SPIRE PSW Ch17-20	20+	SPC-	12AXD-38	S128	HSJFP	121210	P002	021		
211121	J028	089	SPIRE PSW Ch17-20	20-	SPC-	12AXD-38	S128	HSJFP	121210	P002	008		
211121	J028	128	SPIRE PSW Ch17-20	20gnd	SPC-	12AXD-38	S128	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	128	SPIRE PSW Ch17-20	SHD28	SPC-	12AXD-38	S128	HSJFP	121210	P002	013		
211121	J028	FCR	SPIRE PSW Ch17-20	COS28	SPC-	12AXD-38	S128	HSJFP	121210	P002	CH		
211121	J028	-		-			-						
211121	J028	099	SPIRE PSW Ch21-24	21+	SPC-	12AXD-38	S129	HSJFP	121210	P002	022		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	100	SPIRE PSW Ch21-24	21-	SPC-	12AXD-38	S129	HSJFP	121210	P002	009		
211121	J028	128	SPIRE PSW Ch21-24	21gnd	SPC-	12AXD-38	S129	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	110	SPIRE PSW Ch21-24	22+	SPC-	12AXD-38	S129	HSJFP	121210	P002	023		
211121	J028	111	SPIRE PSW Ch21-24	22-	SPC-	12AXD-38	S129	HSJFP	121210	P002	010		
211121	J028	128	SPIRE PSW Ch21-24	22gnd	SPC-	12AXD-38	S129	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	118	SPIRE PSW Ch21-24	23+	SPC-	12AXD-38	S129	HSJFP	121210	P002	024		
211121	J028	119	SPIRE PSW Ch21-24	23-	SPC-	12AXD-38	S129	HSJFP	121210	P002	011		
211121	J028	128	SPIRE PSW Ch21-24	23gnd	SPC-	12AXD-38	S129	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	112	SPIRE PSW Ch21-24	24+	SPC-	12AXD-38	S129	HSJFP	121210	P002	025		
211121	J028	120	SPIRE PSW Ch21-24	24-	SPC-	12AXD-38	S129	HSJFP	121210	P002	012		
211121	J028	128	SPIRE PSW Ch21-24	24gnd	SPC-	12AXD-38	S129	HSJFP	121210	P002	013		
211121	J028	-		-			-						
211121	J028	128	SPIRE PSW Ch21-24	SHD29	SPC-	12AXD-38	S129	HSJFP	121210	P002	013		
211121	J028	FCR	SPIRE PSW Ch21-24	COS29	SPC-	12AXD-38	S129	HSJFP	121210	P002	CH		
211121	J028	-		-			-						
211121	J028	-		-			-						
211121	J028	-		-			-						
211121	J028	090	SPIRE PSW Ch25-28	25+	SPC-	12AXD-38	S131	HSJFP	121210	P003	001		
211121	J028	079	SPIRE PSW Ch25-28	25-	SPC-	12AXD-38	S131	HSJFP	121210	P003	014		
211121	J028	047	SPIRE PSW Ch25-28	25gnd	SPC-	12AXD-38	S131	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	102	SPIRE PSW Ch25-28	26+	SPC-	12AXD-38	S131	HSJFP	121210	P003	002		
211121	J028	101	SPIRE PSW Ch25-28	26-	SPC-	12AXD-38	S131	HSJFP	121210	P003	015		
211121	J028	047	SPIRE PSW Ch25-28	26gnd	SPC-	12AXD-38	S131	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	092	SPIRE PSW Ch25-28	27+	SPC-	12AXD-38	S131	HSJFP	121210	P003	003		
211121	J028	091	SPIRE PSW Ch25-28	27-	SPC-	12AXD-38	S131	HSJFP	121210	P003	016		
211121	J028	047	SPIRE PSW Ch25-28	27gnd	SPC-	12AXD-38	S131	HSJFP	121210	P003	013		
211121	J028	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	103	SPIRE PSW Ch25-28	28+	SPC-	12AXD-38	S131	HSJFP	121210	P003	004		
211121	J028	113	SPIRE PSW Ch25-28	28-	SPC-	12AXD-38	S131	HSJFP	121210	P003	017		
211121	J028	047	SPIRE PSW Ch25-28	28gnd	SPC-	12AXD-38	S131	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	047	SPIRE PSW Ch25-28	SHD31	SPC-	12AXD-38	S131	HSJFP	121210	P003	013		
211121	J028	FGR	SPIRE PSW Ch25-28	COS31	SPC-	12AXD-38	S131	HSJFP	121210	P003	CH		
211121	J028	-		-			-						
211121	J028	058	SPIRE PSW Ch29-32	29+	SPC-	12AXD-38	S132	HSJFP	121210	P003	005		
211121	J028	046	SPIRE PSW Ch29-32	29-	SPC-	12AXD-38	S132	HSJFP	121210	P003	018		
211121	J028	047	SPIRE PSW Ch29-32	29gnd	SPC-	12AXD-38	S132	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	068	SPIRE PSW Ch29-32	30+	SPC-	12AXD-38	S132	HSJFP	121210	P003	006		
211121	J028	057	SPIRE PSW Ch29-32	30-	SPC-	12AXD-38	S132	HSJFP	121210	P003	019		
211121	J028	047	SPIRE PSW Ch29-32	30gnd	SPC-	12AXD-38	S132	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	069	SPIRE PSW Ch29-32	31+	SPC-	12AXD-38	S132	HSJFP	121210	P003	020		
211121	J028	080	SPIRE PSW Ch29-32	31-	SPC-	12AXD-38	S132	HSJFP	121210	P003	007		
211121	J028	047	SPIRE PSW Ch29-32	31gnd	SPC-	12AXD-38	S132	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	070	SPIRE PSW Ch29-32	32+	SPC-	12AXD-38	S132	HSJFP	121210	P003	021		
211121	J028	081	SPIRE PSW Ch29-32	32-	SPC-	12AXD-38	S132	HSJFP	121210	P003	008		
211121	J028	047	SPIRE PSW Ch29-32	32gnd	SPC-	12AXD-38	S132	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	047	SPIRE PSW Ch29-32	SHD32	SPC-	12AXD-38	S132	HSJFP	121210	P003	013		
211121	J028	FCR	SPIRE PSW Ch29-32	COS32	SPC-	12AXD-38	S132	HSJFP	121210	P003	CH		
211121	J028	-		-			-						
211121	J028	023	SPIRE PSW Ch33-36	33+	SPC-	12AXD-38	S133	HSJFP	121210	P003	022		
211121	J028	034	SPIRE PSW Ch33-36	33-	SPC-	12AXD-38	S133	HSJFP	121210	P003	009		
211121	J028	047	SPIRE PSW Ch33-36	33gnd	SPC-	12AXD-38	S133	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	033	SPIRE PSW Ch33-36	34+	SPC-	12AXD-38	S133	HSJFP	121210	P003	023		
211121	J028	045	SPIRE PSW Ch33-36	34-	SPC-	12AXD-38	S133	HSJFP	121210	P003	010		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	047	SPIRE PSW Ch33-36	34gnd	SPC-	12AXD-38	S133	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	044	SPIRE PSW Ch33-36	35+	SPC-	12AXD-38	S133	HSJFP	121210	P003	024		
211121	J028	056	SPIRE PSW Ch33-36	35-	SPC-	12AXD-38	S133	HSJFP	121210	P003	011		
211121	J028	047	SPIRE PSW Ch33-36	35gnd	SPC-	12AXD-38	S133	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	022	SPIRE PSW Ch33-36	36+	SPC-	12AXD-38	S133	HSJFP	121210	P003	025		
211121	J028	032	SPIRE PSW Ch33-36	36-	SPC-	12AXD-38	S133	HSJFP	121210	P003	012		
211121	J028	047	SPIRE PSW Ch33-36	36gnd	SPC-	12AXD-38	S133	HSJFP	121210	P003	013		
211121	J028	-		-			-						
211121	J028	047	SPIRE PSW Ch33-36	SHD33	SPC-	12AXD-38	S133	HSJFP	121210	P003	013		
211121	J028	FCR	SPIRE PSW Ch33-36	COS33	SPC-	12AXD-38	S133	HSJFP	121210	P003	CH		
211121	J028	-		-			-						
211121	J028	-		-			-						
211121	J028	-		-			-						
211121	J028	013	SPIRE PSW Ch37-40	37+	SPC-	12AXD-38	S136	HSJFP	121210	P004	001		
211121	J028	012	SPIRE PSW Ch37-40	37-	SPC-	12AXD-38	S136	HSJFP	121210	P004	014		
211121	J028	004	SPIRE PSW Ch37-40	37gnd	SPC-	12AXD-38	S136	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	021	SPIRE PSW Ch37-40	38+	SPC-	12AXD-38	S136	HSJFP	121210	P004	002		
211121	J028	020	SPIRE PSW Ch37-40	38-	SPC-	12AXD-38	S136	HSJFP	121210	P004	015		
211121	J028	004	SPIRE PSW Ch37-40	38gnd	SPC-	12AXD-38	S136	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	031	SPIRE PSW Ch37-40	39+	SPC-	12AXD-38	S136	HSJFP	121210	P004	003		
211121	J028	043	SPIRE PSW Ch37-40	39-	SPC-	12AXD-38	S136	HSJFP	121210	P004	016		
211121	J028	004	SPIRE PSW Ch37-40	39gnd	SPC-	12AXD-38	S136	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	042	SPIRE PSW Ch37-40	40+	SPC-	12AXD-38	S136	HSJFP	121210	P004	004		
211121	J028	054	SPIRE PSW Ch37-40	40-	SPC-	12AXD-38	S136	HSJFP	121210	P004	017		
211121	J028	004	SPIRE PSW Ch37-40	40gnd	SPC-	12AXD-38	S136	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	004	SPIRE PSW Ch37-40	SHD36	SPC-	12AXD-38	S136	HSJFP	121210	P004	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	FCR	SPIRE PSW Ch37-40	COS36	SPC-	12AXD-38	S136	HSJFP	121210	P004	CH		
211121	J028	-		-			-						
211121	J028	010	SPIRE PSW Ch41-44	41+	SPC-	12AXD-38	S137	HSJFP	121210	P004	005		
211121	J028	011	SPIRE PSW Ch41-44	41-	SPC-	12AXD-38	S137	HSJFP	121210	P004	018		
211121	J028	004	SPIRE PSW Ch41-44	41gnd	SPC-	12AXD-38	S137	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	019	SPIRE PSW Ch41-44	42+	SPC-	12AXD-38	S137	HSJFP	121210	P004	006		
211121	J028	029	SPIRE PSW Ch41-44	42-	SPC-	12AXD-38	S137	HSJFP	121210	P004	019		
211121	J028	004	SPIRE PSW Ch41-44	42gnd	SPC-	12AXD-38	S137	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	041	SPIRE PSW Ch41-44	43+	SPC-	12AXD-38	S137	HSJFP	121210	P004	020		
211121	J028	030	SPIRE PSW Ch41-44	43-	SPC-	12AXD-38	S137	HSJFP	121210	P004	007		
211121	J028	004	SPIRE PSW Ch41-44	43gnd	SPC-	12AXD-38	S137	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	053	SPIRE PSW Ch41-44	44+	SPC-	12AXD-38	S137	HSJFP	121210	P004	021		
211121	J028	052	SPIRE PSW Ch41-44	44-	SPC-	12AXD-38	S137	HSJFP	121210	P004	008		
211121	J028	004	SPIRE PSW Ch41-44	44gnd	SPC-	12AXD-38	S137	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	004	SPIRE PSW Ch41-44	SHD37	SPC-	12AXD-38	S137	HSJFP	121210	P004	013		
211121	J028	FCR	SPIRE PSW Ch41-44	COS37	SPC-	12AXD-38	S137	HSJFP	121210	P004	CH		
211121	J028	-		-			-						
211121	J028	009	SPIRE PSW Ch45-48	45+	SPC-	12AXD-38	S138	HSJFP	121210	P004	022		
211121	J028	017	SPIRE PSW Ch45-48	45-	SPC-	12AXD-38	S138	HSJFP	121210	P004	009		
211121	J028	004	SPIRE PSW Ch45-48	45gnd	SPC-	12AXD-38	S138	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	018	SPIRE PSW Ch45-48	46+	SPC-	12AXD-38	S138	HSJFP	121210	P004	023		
211121	J028	028	SPIRE PSW Ch45-48	46-	SPC-	12AXD-38	S138	HSJFP	121210	P004	010		
211121	J028	004	SPIRE PSW Ch45-48	46gnd	SPC-	12AXD-38	S138	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	016	SPIRE PSW Ch45-48	47+	SPC-	12AXD-38	S138	HSJFP	121210	P004	024		
211121	J028	027	SPIRE PSW Ch45-48	47-	SPC-	12AXD-38	S138	HSJFP	121210	P004	011		
211121	J028	004	SPIRE PSW Ch45-48	47gnd	SPC-	12AXD-38	S138	HSJFP	121210	P004	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	-		-			-						
211121	J028	040	SPIRE PSW Ch45-48	48+	SPC-	12AXD-38	S138	HSJFP	121210	P004	025		
211121	J028	039	SPIRE PSW Ch45-48	48-	SPC-	12AXD-38	S138	HSJFP	121210	P004	012		
211121	J028	004	SPIRE PSW Ch45-48	48gnd	SPC-	12AXD-38	S138	HSJFP	121210	P004	013		
211121	J028	-		-			-						
211121	J028	004	SPIRE PSW Ch45-48	SHD38	SPC-	12AXD-38	S138	HSJFP	121210	P004	013		
211121	J028	FCR	SPIRE PSW Ch45-48	COS38	SPC-	12AXD-38	S138	HSJFP	121210	P004	CH		
211121	J028	-		-			-						
211121	J028	001	to be con as part of FCR	-			-						
211121	J028	002	to be con as part of FCR	-			-						
211121	J028	003	to be con as part of FCR	-			-						
211121	J028	005	to be con as part of FCR	-			-						
211121	J028	006	to be con as part of FCR	-			-						
211121	J028	007	to be con as part of FCR	-			-						
211121	J028	008	to be con as part of FCR	-			-						
211121	J028	014	to be con as part of FCR	-			-						
211121	J028	015	to be con as part of FCR	-			-						
211121	J028	024	to be con as part of FCR	-			-						
211121	J028	025	to be con as part of FCR	-			-						
211121	J028	035	to be con as part of FCR	-			-						
211121	J028	082	to be con as part of FCR	-			-						
211121	J028	093	to be con as part of FCR	-			-						
211121	J028	094	to be con as part of FCR	-			-						
211121	J028	104	to be con as part of FCR	-			-						
211121	J028	105	to be con as part of FCR	-			-						
211121	J028	114	to be con as part of FCR	-			-						
211121	J028	115	to be con as part of FCR	-			-						
211121	J028	121	to be con as part of FCR	-			-						
211121	J028	122	to be con as part of FCR	-			-						
211121	J028	123	to be con as part of FCR	-			-						
211121	J028	124	to be con as part of FCR	-			-						

SICode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J028	125	to be con as part of FCR	-			-						
211121	J028	126	to be con as part of FCR	-			-						
211121	J028	127	to be con as part of FCR	-			-						
211121	J028	-		-			-						
211121	J028		CH to be isolated from FCR	-			-						
211121	J028	-		-			-						
211121	J028	-		-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	051	SPIRE ChopSensor1&2(R)	1	SBA-	021SS-38	S313	HSFPU	121100	P026	001		
211121	J029	040	SPIRE ChopSensor1&2(R)	2	SBA-	021SS-38	S313	HSFPU	121100	P026	020		
211121	J029	039	SPIRE ChopSensor1&2(R)	SHD13	SBA-	021SS-38	S313	HSFPU	121100	P026	022		
211121	J029	-		-			-						
211121	J029	028	SPIRE ChopSensor3-5(R)	3	SBB-	031BS-38	S314	HSFPU	121100	P026	002		
211121	J029	017	SPIRE ChopSensor3-5(R)	4	SBB-	031BS-38	S314	HSFPU	121100	P026	021		
211121	J029	016	SPIRE ChopSensor3-5(R)	5	SBB-	031BS-38	S314	HSFPU	121100	P026	003		
211121	J029	027	SPIRE ChopSensor3-5(R)	SHD14	SBB-	031BS-38	S314	HSFPU	121100	P026	022		
211121	J029	027	to be con to pin 039	-			-						
211121	J029	-		-			-						
211121	J029	049	SPIRE JiggleSensor1&2(R)	1	SBA-	021SS-38	S315	HSFPU	121100	P026	004		
211121	J029	050	SPIRE JiggleSensor1&2(R)	2	SBA-	021SS-38	S315	HSFPU	121100	P026	023		
211121	J029	038	SPIRE JiggleSensor1&2(R)	SHD15	SBA-	021SS-38	S315	HSFPU	121100	P026	022		
211121	J029	038	to be con to pin 039	-			-						
211121	J029	-		-			-						
211121	J029	015	SPIRE JiggleSensor3-5(R)	3	SBB-	031BS-38	S316	HSFPU	121100	P026	005		
211121	J029	025	SPIRE JiggleSensor3-5(R)	4	SBB-	031BS-38	S316	HSFPU	121100	P026	024		
211121	J029	037	SPIRE JiggleSensor3-5(R)	5	SBB-	031BS-38	S316	HSFPU	121100	P026	006		
211121	J029	026	SPIRE JiggleSensor3-5(R)	SHD16	SBB-	031BS-38	S316	HSFPU	121100	P026	022		
211121	J029	026	to be con to pin 039	-			-						
211121	J029	-		-			-						
211121	J029	086	SPIRE BSMTemp(R)	I+	SBC-	041SS-38	S317	HSFPU	121100	P026	007		
211121	J029	097	SPIRE BSMTemp(R)	V+	SBC-	041SS-38	S317	HSFPU	121100	P026	026		
211121	J029	098	SPIRE BSMTemp(R)	V-	SBC-	041SS-38	S317	HSFPU	121100	P026	008		
211121	J029	087	SPIRE BSMTemp(R)	I-	SBC-	041SS-38	S317	HSFPU	121100	P026	027		
211121	J029	075	SPIRE BSMTemp(R)	SHD17	SBC-	041SS-38	S317	HSFPU	121100	P026	025		
211121	J029	-		-			-						
211121	J029	048	SPIRE P-Cal Htr (R)	I+A	SBD-	041BS-30	S318	HSFPU	121100	P026	028		
211121	J029	071	SPIRE P-Cal Htr (R)	I+B	SBD-	041BS-30	S318	HSFPU	121100	P026	010		
211121	J029	060	SPIRE P-Cal Htr (R)	I-A	SBD-	041BS-30	S318	HSFPU	121100	P026	029		
211121	J029	059	SPIRE P-Cal Htr (R)	I-B	SBD-	041BS-30	S318	HSFPU	121100	P026	011		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	036	SPIRE P-Cal Htr (R)	SHD18	SBD-	041BS-30	S318	HSFPU	121100	P026	009		
211121	J029	-		-			-						
211121	J029	108	SPIRE BSMLchLtchConf(R)	1	SBE-	021SS-38	S319	HSFPU	121100	P026	030		
211121	J029	116	SPIRE BSMLchLtchConf(R)	2	SBE-	021SS-38	S319	HSFPU	121100	P026	012		
211121	J029	107	SPIRE BSMLchLtchConf(R)	SHD19	SBE-	021SS-38	S319	HSFPU	121100	P026	031		
211121	J029	-		-			-						
211121	J029	105	SPIRE BSMLatchDrive(R)	SUP	SBF-	021BS-30	S320	HSFPU	121100	P026	013		
211121	J029	115	SPIRE BSMLatchDrive(R)	RTN	SBF-	021BS-30	S320	HSFPU	121100	P026	032		
211121	J029	106	SPIRE BSMLatchDrive(R)	SHD20	SBF-	021BS-30	S320	HSFPU	121100	P026	033		
211121	J029	-		-			-						
211121	J029	072	SPIRE ChopMotDrive(R)	1	SBG-	041BS-30	S321	HSFPU	121100	P026	015		
211121	J029	061	SPIRE ChopMotDrive(R)	2	SBG-	041BS-30	S321	HSFPU	121100	P026	034		
211121	J029	062	SPIRE ChopMotDrive(R)	3	SBG-	041BS-30	S321	HSFPU	121100	P026	016		
211121	J029	074	SPIRE ChopMotDrive(R)	4	SBG-	041BS-30	S321	HSFPU	121100	P026	035		
211121	J029	073	SPIRE ChopMotDrive(R)	SHD21	SBG-	041BS-30	S321	HSFPU	121100	P026	017		
211121	J029	-		-			-						
211121	J029	083	SPIRE JiggleMotDrive(R)	1	SBG-	041BS-30	S322	HSFPU	121100	P026	036		
211121	J029	095	SPIRE JiggleMotDrive(R)	2	SBG-	041BS-30	S322	HSFPU	121100	P026	018		
211121	J029	096	SPIRE JiggleMotDrive(R)	3	SBG-	041BS-30	S322	HSFPU	121100	P026	037		
211121	J029	085	SPIRE JiggleMotDrive(R)	4	SBG-	041BS-30	S322	HSFPU	121100	P026	019		
211121	J029	084	SPIRE JiggleMotDrive(R)	SHD22	SBG-	041BS-30	S322	HSFPU	121100	P026	017		
211121	J029	084	to be con to pin 073	-			-						
211121	J029	-		-			-						
211121	J029	117	SPIRE SMECLLtch#1Conf(R)	1+	SME-	021BS-30	S323	HSFPU	121100	P028	001		
211121	J029	118	SPIRE SMECLLtch#1Conf(R)	1-	SME-	021BS-30	S323	HSFPU	121100	P028	020		
211121	J029	109	SPIRE SMECLLtch#1Conf(R)	SHD23	SME-	021BS-30	S323	HSFPU	121100	P028	003		
211121	J029	-		-			-						
211121	J029	111	SPIRE SMECLLtch#2Conf(R)	2+	SME-	021BS-30	S324	HSFPU	121100	P028	002		
211121	J029	119	SPIRE SMECLLtch#2Conf(R)	2-	SME-	021BS-30	S324	HSFPU	121100	P028	021		
211121	J029	110	SPIRE SMECLLtch#2Conf(R)	SHD24	SME-	021BS-30	S324	HSFPU	121100	P028	003		
211121	J029	-		-			-						
211121	J029	067	SPIRE SMECLL#1Pwr1/A(R)	S1	SMF-	021BS-30	S325	HSFPU	121100	P028	022		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	066	SPIRE SMECLL#1Pwr1/A(R)	R1	SMF-	021BS-30	S325	HSFPU	121100	P028	023		
211121	J029	078	SPIRE SMECLL#1Pwr1/A(R)	SHD25	SMF-	021BS-30	S325	HSFPU	121100	P028	004		
211121	J029	-		-			-						
211121	J029	069	SPIRE SMECLL#1Pwr2/B(R)	S2	SMF-	021BS-30	S326	HSFPU	121100	P028	005		
211121	J029	068	SPIRE SMECLL#1Pwr2/B(R)	R2	SMF-	021BS-30	S326	HSFPU	121100	P028	006		
211121	J029	080	SPIRE SMECLL#1Pwr2/B(R)	SHD26	SMF-	021BS-30	S326	HSFPU	121100	P028	024		
211121	J029	080	to be con to pin 078	-			-						
211121	J029	-		-			-						
211121	J029	090	SPIRE SMECLL#2Pwr1/A(R)	S1	SMF-	021BS-30	S327	HSFPU	121100	P028	025		
211121	J029	091	SPIRE SMECLL#2Pwr1/A(R)	R1	SMF-	021BS-30	S327	HSFPU	121100	P028	026		
211121	J029	079	SPIRE SMECLL#2Pwr1/A(R)	SHD27	SMF-	021BS-30	S327	HSFPU	121100	P028	007		
211121	J029	079	to be con to pin 078	-			-						
211121	J029	-		-			-						
211121	J029	092	SPIRE SMECLL#2Pwr2/B(R)	S2	SMF-	021BS-30	S328	HSFPU	121100	P028	008		
211121	J029	093	SPIRE SMECLL#2Pwr2/B(R)	R2	SMF-	021BS-30	S328	HSFPU	121100	P028	009		
211121	J029	081	SPIRE SMECLL#2Pwr2/B(R)	SHD28	SMF-	021BS-30	S328	HSFPU	121100	P028	027		
211121	J029	081	to be con to pin 078	-			-						
211121	J029	-		-			-						
211121	J029	088	SPIRE SMECTemp(R)	I+	SMC-	041SS-38	S329	HSFPU	121100	P028	028		
211121	J029	089	SPIRE SMECTemp(R)	I-	SMC-	041SS-38	S329	HSFPU	121100	P028	011		
211121	J029	099	SPIRE SMECTemp(R)	V+	SMC-	041SS-38	S329	HSFPU	121100	P028	010		
211121	J029	100	SPIRE SMECTemp(R)	V-	SMC-	041SS-38	S329	HSFPU	121100	P028	029		
211121	J029	077	SPIRE SMECTemp(R)	SHD29	SMC-	041SS-38	S329	HSFPU	121100	P028	030		
211121	J029	-		-			-						
211121	J029	054	SPIRE SMEC/SOB I/FTmp(R) (#13)	I+	SMC-	041SS-38	S330	HSFPU	121100	P028	031		
211121	J029	053	SPIRE SMEC/SOB I/FTmp(R) (#13)	I-	SMC-	041SS-38	S330	HSFPU	121100	P028	014		
211121	J029	065	SPIRE SMEC/SOB I/FTmp(R) (#13)	V+	SMC-	041SS-38	S330	HSFPU	121100	P028	013		
211121	J029	064	SPIRE SMEC/SOB I/FTmp(R) (#13)	V-	SMC-	041SS-38	S330	HSFPU	121100	P028	032		
211121	J029	076	SPIRE SMEC/SOB I/FTmp(R) (#13)	SHD30	SMC-	041SS-38	S330	HSFPU	121100	P028	012		
211121	J029	076	to be con to pin 077	-			-						
211121	J029	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	101	SPIRE SMECLVDTPriCIPw(R)	P	SMA-	021BS-30	S331	HSFPU	121100	P028	033		
211121	J029	102	SPIRE SMECLVDTPriCIPw(R)	N	SMA-	021BS-30	S331	HSFPU	121100	P028	034		
211121	J029	112	SPIRE SMECLVDTPriCIPw(R)	SHD31	SMA-	021BS-30	S331	HSFPU	121100	P028	015		
211121	J029	-		-			-						
211121	J029	127	SPIRE SMECLVDTSCL#1Sg(R)	P	SMB-	021BS-30	S332	HSFPU	121100	P028	035		
211121	J029	120	SPIRE SMECLVDTSCL#1Sg(R)	N	SMB-	021BS-30	S332	HSFPU	121100	P028	036		
211121	J029	128	SPIRE SMECLVDTSCL#1Sg(R)	SHD32	SMB-	021BS-30	S332	HSFPU	121100	P028	017		
211121	J029	128	to be con to pin 112	-			-						
211121	J029	-		-			-						
211121	J029	114	SPIRE SMECLVDTSCL#2Sg(R)	P	SMB-	021BS-30	S333	HSFPU	121100	P028	018		
211121	J029	113	SPIRE SMECLVDTSCL#2Sg(R)	N	SMB-	021BS-30	S333	HSFPU	121100	P028	019		
211121	J029	121	SPIRE SMECLVDTSCL#2Sg(R)	SHD33	SMB-	021BS-30	S333	HSFPU	121100	P028	037		
211121	J029	121	to be con to pin 112	-			-						
211121	J029	-		-			-						
211121	J029	012	SPIRE SMEC Drv Coil (R)	I+	SMD-	021BS-30	S334	HSFPU	121100	P030	001		
211121	J029	005	SPIRE SMEC Drv Coil (R)	I-	SMD-	021BS-30	S334	HSFPU	121100	P030	002		
211121	J029	013	SPIRE SMEC Drv Coil (R)	SHD34	SMD-	021BS-30	S334	HSFPU	121100	P030	020		
211121	J029	-		-			-						
211121	J029	022	SPIRE SMEC Drv Coil (Rob) (R)	I+	SMD-	021BS-30	S335	HSFPU	121100	P030	021		
211121	J029	007	SPIRE SMEC Drv Coil (Rob) (R)	I-	SMD-	021BS-30	S335	HSFPU	121100	P030	022		
211121	J029	013	SPIRE SMEC Drv Coil (Rob) (R)	SHD35	SMD-	021BS-30	S335	HSFPU	121100	P030	003		
211121	J029	-		-			-						
211121	J029	014	SPIRE SMEC Drv Sense (R)	Sen+	SMG-	021BS-38	S336	HSFPU	121100	P030	004		
211121	J029	024	SPIRE SMEC Drv Sense (R)	Sen-	SMG-	021BS-38	S336	HSFPU	121100	P030	005		
211121	J029	023	SPIRE SMEC Drv Sense (R)	SHD36	SMG-	021BS-38	S336	HSFPU	121100	P030	023		
211121	J029	-		-			-						
211121	J029	009	SPIRE SMEC PosSeLEDPwr(R)	S	SMH-	021BS-38	S337	HSFPU	121100	P030	007		
211121	J029	002	SPIRE SMEC PosSeLEDPwr(R)	R	SMH-	021BS-38	S337	HSFPU	121100	P030	008		
211121	J029	003	SPIRE SMEC PosSeLEDPwr(R)	SHD37	SMH-	021BS-38	S337	HSFPU	121100	P030	026		
211121	J029	-		-			-						
211121	J029	011	SPIRE SMEC PosSensPwr(R)	S	SMH-	021BS-38	S338	HSFPU	121100	P030	027		
211121	J029	004	SPIRE SMEC PosSensPwr(R)	R	SMH-	021BS-38	S338	HSFPU	121100	P030	028		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	010	SPIRE SMEC PosSensPwr(R)	SHD38	SMH-	021BS-38	S338	HSFPU	121100	P030	009		
211121	J029	-		-			-						
211121	J029	018	SPIRE SMEC PosPhDi#1(R)	I+	SMJ-	021SS-38	S339	HSFPU	121100	P030	010		
211121	J029	019	SPIRE SMEC PosPhDi#1(R)	I-	SMJ-	021SS-38	S339	HSFPU	121100	P030	011		
211121	J029	029	SPIRE SMEC PosPhDi#1(R)	SHD39	SMJ-	021SS-38	S339	HSFPU	121100	P030	029		
211121	J029	-		-			-						
211121	J029	056	SPIRE SMEC PosPhDi#1FB(R)	S	SMK-	021SS-38	S340	HSFPU	121100	P030	030		
211121	J029	055	SPIRE SMEC PosPhDi#1FB(R)	R	SMK-	021SS-38	S340	HSFPU	121100	P030	031		
211121	J029	044	SPIRE SMEC PosPhDi#1FB(R)	SHD40	SMK-	021SS-38	S340	HSFPU	121100	P030	012		
211121	J029	-		-			-						
211121	J029	042	SPIRE SMEC PosPhDi#2(R)	I+	SMJ-	021SS-38	S341	HSFPU	121100	P030	013		
211121	J029	041	SPIRE SMEC PosPhDi#2(R)	I-	SMJ-	021SS-38	S341	HSFPU	121100	P030	014		
211121	J029	030	SPIRE SMEC PosPhDi#2(R)	SHD41	SMJ-	021SS-38	S341	HSFPU	121100	P030	032		
211121	J029	030	to be con to pin 029	-			-						
211121	J029	-		-			-						
211121	J029	034	SPIRE SMEC PosPhDi#2FB(R)	S	SMK-	021SS-38	S342	HSFPU	121100	P030	033		
211121	J029	033	SPIRE SMEC PosPhDi#2FB(R)	R	SMK-	021SS-38	S342	HSFPU	121100	P030	034		
211121	J029	045	SPIRE SMEC PosPhDi#2FB(R)	SHD42	SMK-	021SS-38	S342	HSFPU	121100	P030	015		
211121	J029	045	to be con to pin 044	-			-						
211121	J029	-		-			-						
211121	J029	020	SPIRE SMEC PosPhDi#3(R)	I+	SMJ-	021SS-38	S343	HSFPU	121100	P030	016		
211121	J029	021	SPIRE SMEC PosPhDi#3(R)	I-	SMJ-	021SS-38	S343	HSFPU	121100	P030	017		
211121	J029	031	SPIRE SMEC PosPhDi#3(R)	SHD43	SMJ-	021SS-38	S343	HSFPU	121100	P030	035		
211121	J029	031	to be con to pin 029	-			-						
211121	J029	-		-			-						
211121	J029	058	SPIRE SMEC PosPhDi#3FB(R)	S	SMK-	021SS-38	S344	HSFPU	121100	P030	036		
211121	J029	057	SPIRE SMEC PosPhDi#3FB(R)	R	SMK-	021SS-38	S344	HSFPU	121100	P030	037		
211121	J029	046	SPIRE SMEC PosPhDi#3FB(R)	SHD44	SMK-	021SS-38	S344	HSFPU	121100	P030	018		
211121	J029	046	to be con to pin 044	-			-						
211121	J029	-		-			-						
211121	J029	006	SPIRE FPU SMEC CR Faraday	SFF	SFF-	010B0-30	S352	HSFPU	121100	P030	CH		
211121	J029	082	SPIRE FPU BSM PS Faraday	SFF	SFF-	010B0-30	S305	HSFPU	121100	P026	CH		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J029	104	SPIRE FPU SMEC LR Faraday	SFF	SFF-	010B0-30	S351	HSFPU	121100	P028	CH		
211121	J029	-		-			-						
211121	J029	001	to be con as part of FCR	-			-						
211121	J029	006	to be con as part of FCR	-			-						
211121	J029	008	to be con as part of FCR	-			-						
211121	J029	035	to be con as part of FCR	-			-						
211121	J029	047	to be con as part of FCR	-			-						
211121	J029	070	to be con as part of FCR	-			-						
211121	J029	082	to be con as part of FCR	-			-						
211121	J029	094	to be con as part of FCR	-			-						
211121	J029	104	to be con as part of FCR	-			-						
211121	J029	107	to be con as part of FCR	-			-						
211121	J029	109	to be con as part of FCR	-			-						
211121	J029	110	to be con as part of FCR	-			-						
211121	J029	122	to be con as part of FCR	-			-						
211121	J029	123	to be con as part of FCR	-			-						
211121	J029	124	to be con as part of FCR	-			-						
211121	J029	125	to be con as part of FCR	-			-						
211121	J029	126	to be con as part of FCR	-			-						
211121	J029	-		-			-						
211121	J029	-	CH to be isolated from FCR	-			-						
Date:			Name:			SPIRE:			ESA:				

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	051	SPIRE ChopSensor1&2(N)	1	SBA-	021SS-38	S041	HSFPU	121100	P025	001		
211121	J030	040	SPIRE ChopSensor1&2(N)	2	SBA-	021SS-38	S041	HSFPU	121100	P025	020		
211121	J030	039	SPIRE ChopSensor1&2(N)	SHD41	SBA-	021SS-38	S041	HSFPU	121100	P025	022		
211121	J030	-		-			-						
211121	J030	028	SPIRE ChopSensor3-5(N)	3	SBB-	031BS-38	S043	HSFPU	121100	P025	002		
211121	J030	017	SPIRE ChopSensor3-5(N)	4	SBB-	031BS-38	S043	HSFPU	121100	P025	021		
211121	J030	016	SPIRE ChopSensor3-5(N)	5	SBB-	031BS-38	S043	HSFPU	121100	P025	003		
211121	J030	027	SPIRE ChopSensor3-5(N)	SHD43	SBB-	031BS-38	S043	HSFPU	121100	P025	022		
211121	J030	027	to be con to pin 039	-			-						
211121	J030	-		-			-						
211121	J030	049	SPIRE JiggleSensor1&2(N)	1	SBA-	021SS-38	S045	HSFPU	121100	P025	004		
211121	J030	050	SPIRE JiggleSensor1&2(N)	2	SBA-	021SS-38	S045	HSFPU	121100	P025	023		
211121	J030	038	SPIRE JiggleSensor1&2(N)	SHD45	SBA-	021SS-38	S045	HSFPU	121100	P025	022		
211121	J030	038	to be con to pin 039	-			-						
211121	J030	-		-			-						
211121	J030	015	SPIRE JiggleSensor3-5(N)	3	SBB-	031BS-38	S048	HSFPU	121100	P025	005		
211121	J030	025	SPIRE JiggleSensor3-5(N)	4	SBB-	031BS-38	S048	HSFPU	121100	P025	024		
211121	J030	037	SPIRE JiggleSensor3-5(N)	5	SBB-	031BS-38	S048	HSFPU	121100	P025	006		
211121	J030	026	SPIRE JiggleSensor3-5(N)	SHD48	SBB-	031BS-38	S048	HSFPU	121100	P025	022		
211121	J030	026	to be con to pin 039	-			-						
211121	J030	-		-			-						
211121	J030	086	SPIRE BSMTemp(N)	I+	SBC-	041SS-38	S103	HSFPU	121100	P025	007		
211121	J030	097	SPIRE BSMTemp(N)	V+	SBC-	041SS-38	S103	HSFPU	121100	P025	026		
211121	J030	098	SPIRE BSMTemp(N)	V-	SBC-	041SS-38	S103	HSFPU	121100	P025	008		
211121	J030	087	SPIRE BSMTemp(N)	I-	SBC-	041SS-38	S103	HSFPU	121100	P025	027		
211121	J030	075	SPIRE BSMTemp(N)	SHD03	SBC-	041SS-38	S103	HSFPU	121100	P025	025		
211121	J030	-		-			-						
211121	J030	048	SPIRE P-Cal Htr(N)	I+A	SBD-	041BS-30	S260	HSFPU	121100	P025	028		
211121	J030	071	SPIRE P-Cal Htr(N)	I+B	SBD-	041BS-30	S260	HSFPU	121100	P025	010		
211121	J030	060	SPIRE P-Cal Htr(N)	I-A	SBD-	041BS-30	S260	HSFPU	121100	P025	029		
211121	J030	059	SPIRE P-Cal Htr(N)	I-B	SBD-	041BS-30	S260	HSFPU	121100	P025	011		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	036	SPIRE P-Cal Htr(N)	SHD60	SBD-	041BS-30	S260	HSFPU	121100	P025	009		
211121	J030	-		-			-						
211121	J030	108	SPIRE BSMLchLtchConf(N)	1	SBE-	021SS-38	S261	HSFPU	121100	P025	030		
211121	J030	116	SPIRE BSMLchLtchConf(N)	2	SBE-	021SS-38	S261	HSFPU	121100	P025	012		
211121	J030	107	SPIRE BSMLchLtchConf(N)	SHD61	SBE-	021SS-38	S261	HSFPU	121100	P025	031		
211121	J030	-		-			-						
211121	J030	105	SPIRE BSMLatchDrive(N)	SUP	SBF-	021BS-30	S262	HSFPU	121100	P025	013		
211121	J030	115	SPIRE BSMLatchDrive(N)	RTN	SBF-	021BS-30	S262	HSFPU	121100	P025	032		
211121	J030	106	SPIRE BSMLatchDrive(N)	SHD62	SBF-	021BS-30	S262	HSFPU	121100	P025	033		
211121	J030	-		-			-						
211121	J030	072	SPIRE ChopMotDrive(N)	1	SBG-	041BS-30	S263	HSFPU	121100	P025	015		
211121	J030	061	SPIRE ChopMotDrive(N)	2	SBG-	041BS-30	S263	HSFPU	121100	P025	034		
211121	J030	062	SPIRE ChopMotDrive(N)	3	SBG-	041BS-30	S263	HSFPU	121100	P025	016		
211121	J030	074	SPIRE ChopMotDrive(N)	4	SBG-	041BS-30	S263	HSFPU	121100	P025	035		
211121	J030	073	SPIRE ChopMotDrive(N)	SHD63	SBG-	041BS-30	S263	HSFPU	121100	P025	017		
211121	J030	-		-			-						
211121	J030	083	SPIRE JiggleMotDrive(N)	1	SBG-	041BS-30	S264	HSFPU	121100	P025	036		
211121	J030	095	SPIRE JiggleMotDrive(N)	2	SBG-	041BS-30	S264	HSFPU	121100	P025	018		
211121	J030	096	SPIRE JiggleMotDrive(N)	3	SBG-	041BS-30	S264	HSFPU	121100	P025	037		
211121	J030	085	SPIRE JiggleMotDrive(N)	4	SBG-	041BS-30	S264	HSFPU	121100	P025	019		
211121	J030	084	SPIRE JiggleMotDrive(N)	SHD64	SBG-	041BS-30	S264	HSFPU	121100	P025	017		
211121	J030	084	to be con to pin 073	-			-						
211121	J030	-		-			-						
211121	J030	117	SPIRE SMECLLtch#1Conf(N)	1+	SME-	021BS-30	S265	HSFPU	121100	P027	001		
211121	J030	118	SPIRE SMECLLtch#1Conf(N)	1-	SME-	021BS-30	S265	HSFPU	121100	P027	020		
211121	J030	109	SPIRE SMECLLtch#1Conf(N)	SHD65	SME-	021BS-30	S265	HSFPU	121100	P027	003		
211121	J030	-		-			-						
211121	J030	111	SPIRE SMECLLtch#2Conf(N)	2+	SME-	021BS-30	S266	HSFPU	121100	P027	002		
211121	J030	119	SPIRE SMECLLtch#2Conf(N)	2-	SME-	021BS-30	S266	HSFPU	121100	P027	021		
211121	J030	110	SPIRE SMECLLtch#2Conf(N)	SHD66	SME-	021BS-30	S266	HSFPU	121100	P027	003		
211121	J030	-		-			-						
211121	J030	067	SPIRE SMECLL#1Pwr1/A(N)	S1	SMF-	021BS-30	S267	HSFPU	121100	P027	022		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	066	SPIRE SMECLL#1Pwr1/A(N)	R1	SMF-	021BS-30	S267	HSFPU	121100	P027	023		
211121	J030	078	SPIRE SMECLL#1Pwr1/A(N)	SHD67	SMF-	021BS-30	S267	HSFPU	121100	P027	004		
211121	J030	-		-			-						
211121	J030	069	SPIRE SMECLL#1Pwr2/B(N)	S2	SMF-	021BS-30	S268	HSFPU	121100	P027	005		
211121	J030	068	SPIRE SMECLL#1Pwr2/B(N)	R2	SMF-	021BS-30	S268	HSFPU	121100	P027	006		
211121	J030	080	SPIRE SMECLL#1Pwr2/B(N)	SHD68	SMF-	021BS-30	S268	HSFPU	121100	P027	024		
211121	J030	080	to be con to pin 078	-			-						
211121	J030	-		-			-						
211121	J030	090	SPIRE SMECLL#2Pwr1/A(N)	S1	SMF-	021BS-30	S269	HSFPU	121100	P027	025		
211121	J030	091	SPIRE SMECLL#2Pwr1/A(N)	R1	SMF-	021BS-30	S269	HSFPU	121100	P027	026		
211121	J030	079	SPIRE SMECLL#2Pwr1/A(N)	SHD69	SMF-	021BS-30	S269	HSFPU	121100	P027	007		
211121	J030	079	to be con to pin 078	-			-						
211121	J030	-		-			-						
211121	J030	092	SPIRE SMECLL#2Pwr2/B(N)	S2	SMF-	021BS-30	S270	HSFPU	121100	P027	008		
211121	J030	093	SPIRE SMECLL#2Pwr2/B(N)	R2	SMF-	021BS-30	S270	HSFPU	121100	P027	009		
211121	J030	081	SPIRE SMECLL#2Pwr2/B(N)	SHD70	SMF-	021BS-30	S270	HSFPU	121100	P027	027		
211121	J030	081	to be con to pin 078	-			-						
211121	J030	-		-			-						
211121	J030	088	SPIRE SMECTemp(N)	I+	SMC-	041SS-38	S271	HSFPU	121100	P027	028		
211121	J030	089	SPIRE SMECTemp(N)	I-	SMC-	041SS-38	S271	HSFPU	121100	P027	011		
211121	J030	099	SPIRE SMECTemp(N)	V+	SMC-	041SS-38	S271	HSFPU	121100	P027	010		
211121	J030	100	SPIRE SMECTemp(N)	V-	SMC-	041SS-38	S271	HSFPU	121100	P027	029		
211121	J030	077	SPIRE SMECTemp(N)	SHD71	SMC-	041SS-38	S271	HSFPU	121100	P027	030		
211121	J030	-		-			-						
211121	J030	054	SPIRE SMEC/SOB I/FTmp(N)	I+	SMC-	041SS-38	S272	HSFPU	121100	P027	031		
211121	J030	053	SPIRE SMEC/SOB I/FTmp(N)	I-	SMC-	041SS-38	S272	HSFPU	121100	P027	014		
211121	J030	065	SPIRE SMEC/SOB I/FTmp(N)	V+	SMC-	041SS-38	S272	HSFPU	121100	P027	013		
211121	J030	064	SPIRE SMEC/SOB I/FTmp(N)	V-	SMC-	041SS-38	S272	HSFPU	121100	P027	032		
211121	J030	076	SPIRE SMEC/SOB I/FTmp(N)	SHD72	SMC-	041SS-38	S272	HSFPU	121100	P027	012		
211121	J030	076	to be con to pin 077	-			-						
211121	J030	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	101	SPIRE SMECLVDTPriCIPw(N)	P	SMA-	021BS-30	S273	HSFPU	121100	P027	033		
211121	J030	102	SPIRE SMECLVDTPriCIPw(N)	N	SMA-	021BS-30	S273	HSFPU	121100	P027	034		
211121	J030	112	SPIRE SMECLVDTPriCIPw(N)	SHD73	SMA-	021BS-30	S273	HSFPU	121100	P027	015		
211121	J030	-		-			-						
211121	J030	127	SPIRE SMECLVDTSCL#1Sg(N)	P	SMB-	021BS-30	S274	HSFPU	121100	P027	035		
211121	J030	120	SPIRE SMECLVDTSCL#1Sg(N)	N	SMB-	021BS-30	S274	HSFPU	121100	P027	036		
211121	J030	128	SPIRE SMECLVDTSCL#1Sg(N)	SHD74	SMB-	021BS-30	S274	HSFPU	121100	P027	017		
211121	J030	128	to be con to pin 112	-			-						
211121	J030	-		-			-						
211121	J030	114	SPIRE SMECLVDTSCL#2Sg(N)	P	SMB-	021BS-30	S275	HSFPU	121100	P027	018		
211121	J030	113	SPIRE SMECLVDTSCL#2Sg(N)	N	SMB-	021BS-30	S275	HSFPU	121100	P027	019		
211121	J030	121	SPIRE SMECLVDTSCL#2Sg(N)	SHD75	SMB-	021BS-30	S275	HSFPU	121100	P027	037		
211121	J030	121	to be con to pin 112	-			-						
211121	J030	-		-			-						
211121	J030	012	SPIRE SMEC Drv Coil (N)	I+	SMD-	021BS-30	S276	HSFPU	121100	P029	001		
211121	J030	005	SPIRE SMEC Drv Coil (N)	I-	SMD-	021BS-30	S276	HSFPU	121100	P029	002		
211121	J030	013	SPIRE SMEC Drv Coil (N)	SHD76	SMD-	021BS-30	S276	HSFPU	121100	P029	020		
211121	J030	-		-			-						
211121	J030	022	SPIRE SMEC Drv Coil (Rob) (N)	I+	SMD-	021BS-30	S277	HSFPU	121100	P029	021		
211121	J030	007	SPIRE SMEC Drv Coil (Rob) (N)	I-	SMD-	021BS-30	S277	HSFPU	121100	P029	022		
211121	J030	013	SPIRE SMEC Drv Coil (Rob) (N)	SHD77	SMD-	021BS-30	S277	HSFPU	121100	P029	003		
211121	J030	-		-			-						
211121	J030	014	SPIRE SMEC Drv Sense (N)	Sen+	SMG-	021BS-38	S278	HSFPU	121100	P029	004		
211121	J030	024	SPIRE SMEC Drv Sense (N)	Sen-	SMG-	021BS-38	S278	HSFPU	121100	P029	005		
211121	J030	023	SPIRE SMEC Drv Sense (N)	SHD78	SMG-	021BS-38	S278	HSFPU	121100	P029	023		
211121	J030	-		-			-						
211121	J030	009	SPIRE SMEC PosSeLEDPwr(N)	S	SMH-	021BS-38	S279	HSFPU	121100	P029	007		
211121	J030	002	SPIRE SMEC PosSeLEDPwr(N)	R	SMH-	021BS-38	S279	HSFPU	121100	P029	008		
211121	J030	003	SPIRE SMEC PosSeLEDPwr(N)	SHD79	SMH-	021BS-38	S279	HSFPU	121100	P029	026		
211121	J030	-		-			-						
211121	J030	011	SPIRE SMEC PosSensPwr(N)	S	SMH-	021BS-38	S280	HSFPU	121100	P029	027		
211121	J030	004	SPIRE SMEC PosSensPwr(N)	R	SMH-	021BS-38	S280	HSFPU	121100	P029	028		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	010	SPIRE SMEC PosSensPwr(N)	SHD80	SMH-	021BS-38	S280	HSFPU	121100	P029	009		
211121	J030	-		-			-						
211121	J030	018	SPIRE SMEC PosPhDi#1(N)	I+	SMJ-	021SS-38	S281	HSFPU	121100	P029	010		
211121	J030	019	SPIRE SMEC PosPhDi#1(N)	I-	SMJ-	021SS-38	S281	HSFPU	121100	P029	011		
211121	J030	029	SPIRE SMEC PosPhDi#1(N)	SHD81	SMJ-	021SS-38	S281	HSFPU	121100	P029	029		
211121	J030	-		-			-						
211121	J030	056	SPIRE SMEC PosPhDi#1FB(N)	S	SMK-	021SS-38	S282	HSFPU	121100	P029	030		
211121	J030	055	SPIRE SMEC PosPhDi#1FB(N)	R	SMK-	021SS-38	S282	HSFPU	121100	P029	031		
211121	J030	044	SPIRE SMEC PosPhDi#1FB(N)	SHD82	SMK-	021SS-38	S282	HSFPU	121100	P029	012		
211121	J030	-		-			-						
211121	J030	042	SPIRE SMEC PosPhDi#2(N)	I+	SMJ-	021SS-38	S283	HSFPU	121100	P029	013		
211121	J030	041	SPIRE SMEC PosPhDi#2(N)	I-	SMJ-	021SS-38	S283	HSFPU	121100	P029	014		
211121	J030	030	SPIRE SMEC PosPhDi#2(N)	SHD83	SMJ-	021SS-38	S283	HSFPU	121100	P029	032		
211121	J030	030	to be con to pin 029	-			-						
211121	J030	-		-			-						
211121	J030	034	SPIRE SMEC PosPhDi#2FB(N)	S	SMK-	021SS-38	S284	HSFPU	121100	P029	033		
211121	J030	033	SPIRE SMEC PosPhDi#2FB(N)	R	SMK-	021SS-38	S284	HSFPU	121100	P029	034		
211121	J030	045	SPIRE SMEC PosPhDi#2FB(N)	SHD84	SMK-	021SS-38	S284	HSFPU	121100	P029	015		
211121	J030	045	to be con to pin 044	-			-						
211121	J030	-		-			-						
211121	J030	020	SPIRE SMEC PosPhDi#3(N)	I+	SMJ-	021SS-38	S285	HSFPU	121100	P029	016		
211121	J030	021	SPIRE SMEC PosPhDi#3(N)	I-	SMJ-	021SS-38	S285	HSFPU	121100	P029	017		
211121	J030	031	SPIRE SMEC PosPhDi#3(N)	SHD85	SMJ-	021SS-38	S285	HSFPU	121100	P029	035		
211121	J030	031	to be con to pin 029	-			-						
211121	J030	-		-			-						
211121	J030	058	SPIRE SMEC PosPhDi#3FB(N)	S	SMK-	021SS-38	S286	HSFPU	121100	P029	036		
211121	J030	057	SPIRE SMEC PosPhDi#3FB(N)	R	SMK-	021SS-38	S286	HSFPU	121100	P029	037		
211121	J030	046	SPIRE SMEC PosPhDi#3FB(N)	SHD86	SMK-	021SS-38	S286	HSFPU	121100	P029	018		
211121	J030	046	to be con to pin 044	-			-						
211121	J030	-		-			-						
211121	J030	006	SPIRE FPU SMEC Contr. Faraday	SFF	SFF-	010B0-30	S301	HSFPU	121100	P029	CH		
211121	J030	082	SPIRE FPU BSM Faraday	SFF	SFF-	010B0-30	S252	HSFPU	121100	P025	CH		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J030	104	SPIRE FPU SMEC Faraday	SFF	SFF-	010B0-30	S300	HSFPU	121100	P027	CH		
211121	J030	-		-			-						
211121	J030	001	to be con as part of FCR	-			-						
211121	J030	006	to be con as part of FCR	-			-						
211121	J030	008	to be con as part of FCR	-			-						
211121	J030	035	to be con as part of FCR	-			-						
211121	J030	047	to be con as part of FCR	-			-						
211121	J030	070	to be con as part of FCR	-			-						
211121	J030	082	to be con as part of FCR	-			-						
211121	J030	094	to be con as part of FCR	-			-						
211121	J030	104	to be con as part of FCR	-			-						
211121	J030	107	to be con as part of FCR	-			-						
211121	J030	109	to be con as part of FCR	-			-						
211121	J030	110	to be con as part of FCR	-			-						
211121	J030	122	to be con as part of FCR	-			-						
211121	J030	123	to be con as part of FCR	-			-						
211121	J030	124	to be con as part of FCR	-			-						
211121	J030	125	to be con as part of FCR	-			-						
211121	J030	126	to be con as part of FCR	-			-						
211121	J030	-		-			-						
211121	J030	-	CH to be isolated from FCR	-			-						
Date:			Name:			SPIRE:			ESA:				

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	090	SPIRE SSW Ch01-04	1+	SSA-	12AXD-38	S051	HSJFS	121220	P001	001		
211121	J031	079	SPIRE SSW Ch01-04	1-	SSA-	12AXD-38	S051	HSJFS	121220	P001	014		
211121	J031	047	SPIRE SSW Ch01-04	1gnd	SSA-	12AXD-38	S051	HSJFS	121220	P001	013		
211121	J031	102	SPIRE SSW Ch01-04	2+	SSA-	12AXD-38	S051	HSJFS	121220	P001	002		
211121	J031	101	SPIRE SSW Ch01-04	2-	SSA-	12AXD-38	S051	HSJFS	121220	P001	015		
211121	J031	047	SPIRE SSW Ch01-04	2gnd	SSA-	12AXD-38	S051	HSJFS	121220	P001	013		
211121	J031	092	SPIRE SSW Ch01-04	3+	SSA-	12AXD-38	S051	HSJFS	121220	P001	003		
211121	J031	091	SPIRE SSW Ch01-04	3-	SSA-	12AXD-38	S051	HSJFS	121220	P001	016		
211121	J031	047	SPIRE SSW Ch01-04	3gnd	SSA-	12AXD-38	S051	HSJFS	121220	P001	013		
211121	J031	103	SPIRE SSW Ch01-04	4+	SSA-	12AXD-38	S051	HSJFS	121220	P001	004		
211121	J031	113	SPIRE SSW Ch01-04	4-	SSA-	12AXD-38	S051	HSJFS	121220	P001	017		
211121	J031	047	SPIRE SSW Ch01-04	4gnd	SSA-	12AXD-38	S051	HSJFS	121220	P001	013		
211121	J031	047	SPIRE SSW Ch01-04	SHD51	SSA-	12AXD-38	S051	HSJFS	121220	P001	013		
211121	J031	FCR	SPIRE SSW Ch01-04	COS51	SSA-	12AXD-38	S051	HSJFS	121220	P001	CH		
211121	J031	-		-			-						
211121	J031	058	SPIRE SSW Ch05-08	5+	SSA-	12AXD-38	S052	HSJFS	121220	P001	005		
211121	J031	046	SPIRE SSW Ch05-08	5-	SSA-	12AXD-38	S052	HSJFS	121220	P001	018		
211121	J031	047	SPIRE SSW Ch05-08	5gnd	SSA-	12AXD-38	S052	HSJFS	121220	P001	013		
211121	J031	068	SPIRE SSW Ch05-08	6+	SSA-	12AXD-38	S052	HSJFS	121220	P001	006		
211121	J031	057	SPIRE SSW Ch05-08	6-	SSA-	12AXD-38	S052	HSJFS	121220	P001	019		
211121	J031	047	SPIRE SSW Ch05-08	6gnd	SSA-	12AXD-38	S052	HSJFS	121220	P001	013		
211121	J031	069	SPIRE SSW Ch05-08	7+	SSA-	12AXD-38	S052	HSJFS	121220	P001	020		
211121	J031	080	SPIRE SSW Ch05-08	7-	SSA-	12AXD-38	S052	HSJFS	121220	P001	007		
211121	J031	047	SPIRE SSW Ch05-08	7gnd	SSA-	12AXD-38	S052	HSJFS	121220	P001	013		
211121	J031	070	SPIRE SSW Ch05-08	8+	SSA-	12AXD-38	S052	HSJFS	121220	P001	021		
211121	J031	081	SPIRE SSW Ch05-08	8-	SSA-	12AXD-38	S052	HSJFS	121220	P001	008		
211121	J031	047	SPIRE SSW Ch05-08	8gnd	SSA-	12AXD-38	S052	HSJFS	121220	P001	013		
211121	J031	047	SPIRE SSW Ch05-08	SHD52	SSA-	12AXD-38	S052	HSJFS	121220	P001	013		
211121	J031	FCR	SPIRE SSW Ch05-08	COS52	SSA-	12AXD-38	S052	HSJFS	121220	P001	CH		
211121	J031	-		-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	023	SPIRE SSW Ch09-12	9+	SSA-	12AXD-38	S054	HSJFS	121220	P001	022		
211121	J031	034	SPIRE SSW Ch09-12	9-	SSA-	12AXD-38	S054	HSJFS	121220	P001	009		
211121	J031	047	SPIRE SSW Ch09-12	9gnd	SSA-	12AXD-38	S054	HSJFS	121220	P001	013		
211121	J031	033	SPIRE SSW Ch09-12	10+	SSA-	12AXD-38	S054	HSJFS	121220	P001	023		
211121	J031	045	SPIRE SSW Ch09-12	10-	SSA-	12AXD-38	S054	HSJFS	121220	P001	010		
211121	J031	047	SPIRE SSW Ch09-12	10gnd	SSA-	12AXD-38	S054	HSJFS	121220	P001	013		
211121	J031	044	SPIRE SSW Ch09-12	11+	SSA-	12AXD-38	S054	HSJFS	121220	P001	024		
211121	J031	056	SPIRE SSW Ch09-12	11-	SSA-	12AXD-38	S054	HSJFS	121220	P001	011		
211121	J031	047	SPIRE SSW Ch09-12	11gnd	SSA-	12AXD-38	S054	HSJFS	121220	P001	013		
211121	J031	022	SPIRE SSW Ch09-12	12+	SSA-	12AXD-38	S054	HSJFS	121220	P001	025		
211121	J031	032	SPIRE SSW Ch09-12	12-	SSA-	12AXD-38	S054	HSJFS	121220	P001	012		
211121	J031	047	SPIRE SSW Ch09-12	12gnd	SSA-	12AXD-38	S054	HSJFS	121220	P001	013		
211121	J031	047	SPIRE SSW Ch09-12	SHD54	SSA-	12AXD-38	S054	HSJFS	121220	P001	013		
211121	J031	FCR	SPIRE SSW Ch09-12	COS54	SSA-	12AXD-38	S054	HSJFS	121220	P001	CH		
211121	J031	047	Daisy chain to Pin 005, 036, 128	-			-						
211121	J031	086	SPIRE SSW Ch13-16	13+	SSA-	12AXD-38	S055	HSJFS	121220	P002	001		
211121	J031	087	SPIRE SSW Ch13-16	13-	SSA-	12AXD-38	S055	HSJFS	121220	P002	014		
211121	J031	128	SPIRE SSW Ch13-16	13gnd	SSA-	12AXD-38	S055	HSJFS	121220	P002	013		
211121	J031	097	SPIRE SSW Ch13-16	14+	SSA-	12AXD-38	S055	HSJFS	121220	P002	002		
211121	J031	098	SPIRE SSW Ch13-16	14-	SSA-	12AXD-38	S055	HSJFS	121220	P002	015		
211121	J031	128	SPIRE SSW Ch13-16	14gnd	SSA-	12AXD-38	S055	HSJFS	121220	P002	013		
211121	J031	108	SPIRE SSW Ch13-16	15+	SSA-	12AXD-38	S055	HSJFS	121220	P002	003		
211121	J031	109	SPIRE SSW Ch13-16	15-	SSA-	12AXD-38	S055	HSJFS	121220	P002	016		
211121	J031	128	SPIRE SSW Ch13-16	15gnd	SSA-	12AXD-38	S055	HSJFS	121220	P002	013		
211121	J031	116	SPIRE SSW Ch13-16	16+	SSA-	12AXD-38	S055	HSJFS	121220	P002	004		
211121	J031	117	SPIRE SSW Ch13-16	16-	SSA-	12AXD-38	S055	HSJFS	121220	P002	017		
211121	J031	128	SPIRE SSW Ch13-16	16gnd	SSA-	12AXD-38	S055	HSJFS	121220	P002	013		
211121	J031	128	SPIRE SSW Ch13-16	SHD55	SSA-	12AXD-38	S055	HSJFS	121220	P002	013		
211121	J031	FCR	SPIRE SSW Ch13-16	COS55	SSA-	12AXD-38	S055	HSJFS	121220	P002	CH		
211121	J031	055	SPIRE SSW Ch17-20	17+	SSA-	12AXD-38	S056	HSJFS	121220	P002	005		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	066	SPIRE SSW Ch17-20	17-	SSA-	12AXD-38	S056	HSJFS	121220	P002	018		
211121	J031	128	SPIRE SSW Ch17-20	17gnd	SSA-	12AXD-38	S056	HSJFS	121220	P002	013		
211121	J031	067	SPIRE SSW Ch17-20	18+	SSA-	12AXD-38	S056	HSJFS	121220	P002	006		
211121	J031	078	SPIRE SSW Ch17-20	18-	SSA-	12AXD-38	S056	HSJFS	121220	P002	019		
211121	J031	128	SPIRE SSW Ch17-20	18gnd	SSA-	12AXD-38	S056	HSJFS	121220	P002	013		
211121	J031	076	SPIRE SSW Ch17-20	19+	SSA-	12AXD-38	S056	HSJFS	121220	P002	020		
211121	J031	077	SPIRE SSW Ch17-20	19-	SSA-	12AXD-38	S056	HSJFS	121220	P002	007		
211121	J031	128	SPIRE SSW Ch17-20	19gnd	SSA-	12AXD-38	S056	HSJFS	121220	P002	013		
211121	J031	088	SPIRE SSW Ch17-20	20+	SSA-	12AXD-38	S056	HSJFS	121220	P002	021		
211121	J031	089	SPIRE SSW Ch17-20	20-	SSA-	12AXD-38	S056	HSJFS	121220	P002	008		
211121	J031	128	SPIRE SSW Ch17-20	20gnd	SSA-	12AXD-38	S056	HSJFS	121220	P002	013		
211121	J031	128	SPIRE SSW Ch17-20	SHD56	SSA-	12AXD-38	S056	HSJFS	121220	P002	013		
211121	J031	FCR	SPIRE SSW Ch17-20	COS56	SSA-	12AXD-38	S056	HSJFS	121220	P002	CH		
211121	J031	099	SPIRE SSW Ch21-24	21+	SSA-	12AXD-38	S058	HSJFS	121220	P002	022		
211121	J031	100	SPIRE SSW Ch21-24	21-	SSA-	12AXD-38	S058	HSJFS	121220	P002	009		
211121	J031	128	SPIRE SSW Ch21-24	21gnd	SSA-	12AXD-38	S058	HSJFS	121220	P002	013		
211121	J031	110	SPIRE SSW Ch21-24	22+	SSA-	12AXD-38	S058	HSJFS	121220	P002	023		
211121	J031	111	SPIRE SSW Ch21-24	22-	SSA-	12AXD-38	S058	HSJFS	121220	P002	010		
211121	J031	128	SPIRE SSW Ch21-24	22gnd	SSA-	12AXD-38	S058	HSJFS	121220	P002	013		
211121	J031	118	SPIRE SSW Ch21-24	23+	SSA-	12AXD-38	S058	HSJFS	121220	P002	024		
211121	J031	119	SPIRE SSW Ch21-24	23-	SSA-	12AXD-38	S058	HSJFS	121220	P002	011		
211121	J031	128	SPIRE SSW Ch21-24	23gnd	SSA-	12AXD-38	S058	HSJFS	121220	P002	013		
211121	J031	112	SPIRE SSW Ch21-24	24+	SSA-	12AXD-38	S058	HSJFS	121220	P002	025		
211121	J031	120	SPIRE SSW Ch21-24	24-	SSA-	12AXD-38	S058	HSJFS	121220	P002	012		
211121	J031	128	SPIRE SSW Ch21-24	24gnd	SSA-	12AXD-38	S058	HSJFS	121220	P002	013		
211121	J031	128	SPIRE SSW Ch21-24	SHD58	SSA-	12AXD-38	S058	HSJFS	121220	P002	013		
211121	J031	FCR	SPIRE SSW Ch21-24	COS58	SSA-	12AXD-38	S058	HSJFS	121220	P002	CH		
211121	J031	128	Daisy chain to Pin 005, 036, 047	-			-						
211121	J031	013	SPIRE SSW Ch25-28	25+	SSA-	12AXD-38	S059	HSJFS	121220	P004	001		
211121	J031	012	SPIRE SSW Ch25-28	25-	SSA-	12AXD-38	S059	HSJFS	121220	P004	014		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	005	SPIRE SSW Ch25-28	25gnd	SSA-	12AXD-38	S059	HSJFS	121220	P004	013		
211121	J031	021	SPIRE SSW Ch25-28	26+	SSA-	12AXD-38	S059	HSJFS	121220	P004	002		
211121	J031	020	SPIRE SSW Ch25-28	26-	SSA-	12AXD-38	S059	HSJFS	121220	P004	015		
211121	J031	005	SPIRE SSW Ch25-28	26gnd	SSA-	12AXD-38	S059	HSJFS	121220	P004	013		
211121	J031	031	SPIRE SSW Ch25-28	27+	SSA-	12AXD-38	S059	HSJFS	121220	P004	003		
211121	J031	043	SPIRE SSW Ch25-28	27-	SSA-	12AXD-38	S059	HSJFS	121220	P004	016		
211121	J031	005	SPIRE SSW Ch25-28	27gnd	SSA-	12AXD-38	S059	HSJFS	121220	P004	013		
211121	J031	042	SPIRE SSW Ch25-28	28+	SSA-	12AXD-38	S059	HSJFS	121220	P004	004		
211121	J031	054	SPIRE SSW Ch25-28	28-	SSA-	12AXD-38	S059	HSJFS	121220	P004	017		
211121	J031	005	SPIRE SSW Ch25-28	28gnd	SSA-	12AXD-38	S059	HSJFS	121220	P004	013		
211121	J031	005	SPIRE SSW Ch25-28	SHD59	SSA-	12AXD-38	S059	HSJFS	121220	P004	013		
211121	J031	FCR	SPIRE SSW Ch25-28	COS59	SSA-	12AXD-38	S059	HSJFS	121220	P004	CH		
211121	J031	010	SPIRE SSW Ch29-32	29+	SSA-	12AXD-38	S060	HSJFS	121220	P004	005		
211121	J031	011	SPIRE SSW Ch29-32	29-	SSA-	12AXD-38	S060	HSJFS	121220	P004	018		
211121	J031	005	SPIRE SSW Ch29-32	29gnd	SSA-	12AXD-38	S060	HSJFS	121220	P004	013		
211121	J031	019	SPIRE SSW Ch29-32	30+	SSA-	12AXD-38	S060	HSJFS	121220	P004	006		
211121	J031	029	SPIRE SSW Ch29-32	30-	SSA-	12AXD-38	S060	HSJFS	121220	P004	019		
211121	J031	005	SPIRE SSW Ch29-32	30gnd	SSA-	12AXD-38	S060	HSJFS	121220	P004	013		
211121	J031	041	SPIRE SSW Ch29-32	31+	SSA-	12AXD-38	S060	HSJFS	121220	P004	020		
211121	J031	030	SPIRE SSW Ch29-32	31-	SSA-	12AXD-38	S060	HSJFS	121220	P004	007		
211121	J031	005	SPIRE SSW Ch29-32	31gnd	SSA-	12AXD-38	S060	HSJFS	121220	P004	013		
211121	J031	053	SPIRE SSW Ch29-32	32+	SSA-	12AXD-38	S060	HSJFS	121220	P004	021		
211121	J031	052	SPIRE SSW Ch29-32	32-	SSA-	12AXD-38	S060	HSJFS	121220	P004	008		
211121	J031	005	SPIRE SSW Ch29-32	32gnd	SSA-	12AXD-38	S060	HSJFS	121220	P004	013		
211121	J031	005	SPIRE SSW Ch29-32	SHD60	SSA-	12AXD-38	S060	HSJFS	121220	P004	013		
211121	J031	FCR	SPIRE SSW Ch29-32	COS60	SSA-	12AXD-38	S060	HSJFS	121220	P004	CH		
211121	J031	009	SPIRE SSW Ch33-36	33+	SSA-	12AXD-38	S062	HSJFS	121220	P004	022		
211121	J031	017	SPIRE SSW Ch33-36	33-	SSA-	12AXD-38	S062	HSJFS	121220	P004	009		
211121	J031	005	SPIRE SSW Ch33-36	33gnd	SSA-	12AXD-38	S062	HSJFS	121220	P004	013		
211121	J031	018	SPIRE SSW Ch33-36	34+	SSA-	12AXD-38	S062	HSJFS	121220	P004	023		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	028	SPIRE SSW Ch33-36	34-	SSA-	12AXD-38	S062	HSJFS	121220	P004	010		
211121	J031	005	SPIRE SSW Ch33-36	34gnd	SSA-	12AXD-38	S062	HSJFS	121220	P004	013		
211121	J031	016	SPIRE SSW Ch33-36	35+	SSA-	12AXD-38	S062	HSJFS	121220	P004	024		
211121	J031	027	SPIRE SSW Ch33-36	35-	SSA-	12AXD-38	S062	HSJFS	121220	P004	011		
211121	J031	005	SPIRE SSW Ch33-36	35gnd	SSA-	12AXD-38	S062	HSJFS	121220	P004	013		
211121	J031	040	SPIRE SSW Ch33-36	36+	SSA-	12AXD-38	S062	HSJFS	121220	P004	025		
211121	J031	039	SPIRE SSW Ch33-36	36-	SSA-	12AXD-38	S062	HSJFS	121220	P004	012		
211121	J031	005	SPIRE SSW Ch33-36	36gnd	SSA-	12AXD-38	S062	HSJFS	121220	P004	013		
211121	J031	005	SPIRE SSW Ch33-36	SHD62	SSA-	12AXD-38	S062	HSJFS	121220	P004	013		
211121	J031	FCR	SPIRE SSW Ch33-36	COS62	SSA-	12AXD-38	S062	HSJFS	121220	P004	CH		
211121	J031	005	Daisy chain to Pin 036, 047, 128	-			-						
211121	J031	063	SPIRE SSW Ch37-40	1+	SSA-	12AXD-38	S063	HSJFS	121220	P003	005		
211121	J031	075	SPIRE SSW Ch37-40	1-	SSA-	12AXD-38	S063	HSJFS	121220	P003	018		
211121	J031	036	SPIRE SSW Ch37-40	1gnd	SSA-	12AXD-38	S063	HSJFS	121220	P003	013		
211121	J031	074	SPIRE SSW Ch37-40	2+	SSA-	12AXD-38	S063	HSJFS	121220	P003	006		
211121	J031	073	SPIRE SSW Ch37-40	2-	SSA-	12AXD-38	S063	HSJFS	121220	P003	019		
211121	J031	036	SPIRE SSW Ch37-40	2gnd	SSA-	12AXD-38	S063	HSJFS	121220	P003	013		
211121	J031	026	SPIRE SSW Ch37-40	37+	SSA-	12AXD-38	S063	HSJFS	121220	P003	020		
211121	J031	037	SPIRE SSW Ch37-40	37-	SSA-	12AXD-38	S063	HSJFS	121220	P003	007		
211121	J031	036	SPIRE SSW Ch37-40	37gnd	SSA-	12AXD-38	S063	HSJFS	121220	P003	013		
211121	J031	038	SPIRE SSW Ch37-40	38+	SSA-	12AXD-38	S063	HSJFS	121220	P003	021		
211121	J031	049	SPIRE SSW Ch37-40	38-	SSA-	12AXD-38	S063	HSJFS	121220	P003	008		
211121	J031	036	SPIRE SSW Ch37-40	38gnd	SSA-	12AXD-38	S063	HSJFS	121220	P003	013		
211121	J031	036	SPIRE SSW Ch37-40	SHD63	SSA-	12AXD-38	S063	HSJFS	121220	P003	013		
211121	J031	FCR	SPIRE SSW Ch37-40	COS63	SSA-	12AXD-38	S063	HSJFS	121220	P003	CH		
211121	J031	048	SPIRE SSW Ch41-42	39+	SSA-	12AXD-38	S064	HSJFS	121220	P003	022		
211121	J031	060	SPIRE SSW Ch41-42	39-	SSA-	12AXD-38	S064	HSJFS	121220	P003	009		
211121	J031	036	SPIRE SSW Ch41-42	39gnd	SSA-	12AXD-38	S064	HSJFS	121220	P003	013		
211121	J031	059	SPIRE SSW Ch41-42	40+	SSA-	12AXD-38	S064	HSJFS	121220	P003	023		
211121	J031	071	SPIRE SSW Ch41-42	40-	SSA-	12AXD-38	S064	HSJFS	121220	P003	010		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	036	SPIRE SSW Ch41-42	40gnd	SSA-	12AXD-38	S064	HSJFS	121220	P003	013		
211121	J031	050	SPIRE SSW Ch41-42	41+	SSA-	12AXD-38	S064	HSJFS	121220	P003	024		
211121	J031	061	SPIRE SSW Ch41-42	41-	SSA-	12AXD-38	S064	HSJFS	121220	P003	011		
211121	J031	036	SPIRE SSW Ch41-42	41gnd	SSA-	12AXD-38	S064	HSJFS	121220	P003	013		
211121	J031	062	SPIRE SSW Ch41-42	42+	SSA-	12AXD-38	S064	HSJFS	121220	P003	025		
211121	J031	051	SPIRE SSW Ch41-42	42-	SSA-	12AXD-38	S064	HSJFS	121220	P003	012		
211121	J031	036	SPIRE SSW Ch41-42	42gnd	SSA-	12AXD-38	S064	HSJFS	121220	P003	013		
211121	J031	036	SPIRE SSW Ch41-42	SHD64	SSA-	12AXD-38	S064	HSJFS	121220	P003	013		
211121	J031	FCR	SPIRE SSW Ch41-42	COS64	SSA-	12AXD-38	S064	HSJFS	121220	P003	CH		
211121	J031	036	Daisy chain to Pin 005, 047, 128	-			-						
211121	J031	095	SPIRE SSW PTC Ch's	1+	S3D-	12AXD-38	S053	HSJFS	121220	P007	005		
211121	J031	084	SPIRE SSW PTC Ch's	1-	S3D-	12AXD-38	S053	HSJFS	121220	P007	018		
211121	J031	082	SPIRE SSW PTC Ch's	1gnd	S3D-	12AXD-38	S053	HSJFS	121220	P007	013		
211121	J031	096	SPIRE SSW PTC Ch's	2+	S3D-	12AXD-38	S053	HSJFS	121220	P007	006		
211121	J031	085	SPIRE SSW PTC Ch's	2-	S3D-	12AXD-38	S053	HSJFS	121220	P007	019		
211121	J031	082	SPIRE SSW PTC Ch's	2gnd	S3D-	12AXD-38	S053	HSJFS	121220	P007	013		
211121	J031	106	SPIRE SSW PTC Ch's	3+	S3D-	12AXD-38	S053	HSJFS	121220	P007	020		
211121	J031	107	SPIRE SSW PTC Ch's	3-	S3D-	12AXD-38	S053	HSJFS	121220	P007	007		
211121	J031	082	SPIRE SSW PTC Ch's	3gnd	S3D-	12AXD-38	S053	HSJFS	121220	P007	013		
211121	J031	083	SPIRE SSW PTC Ch's	Res+	S3D-	12AXD-38	S053	HSJFS	121220	P007	021		
211121	J031	072	SPIRE SSW PTC Ch's	Res-	S3D-	12AXD-38	S053	HSJFS	121220	P007	008		
211121	J031	082	SPIRE SSW PTC Ch's	Rgnd	S3D-	12AXD-38	S053	HSJFS	121220	P007	013		
211121	J031	082	SPIRE SSW PTC Ch's	SHD53	S3D-	12AXD-38	S053	HSJFS	121220	P007	013		
211121	J031	FCR	SPIRE SSW PTC Ch's	COS53	S3D-	12AXD-38	S053	HSJFS	121220	P007	CH		
211121	J031	001	to be con as part of FCR	-			-						
211121	J031	002	to be con as part of FCR	-			-						
211121	J031	003	to be con as part of FCR	-			-						
211121	J031	004	to be con as part of FCR	-			-						
211121	J031	006	to be con as part of FCR	-			-						
211121	J031	007	to be con as part of FCR	-			-						

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J031	008	to be con as part of FCR	-			-						
211121	J031	014	to be con as part of FCR	-			-						
211121	J031	015	to be con as part of FCR	-			-						
211121	J031	024	to be con as part of FCR	-			-						
211121	J031	025	to be con as part of FCR	-			-						
211121	J031	035	to be con as part of FCR	-			-						
211121	J031	093	to be con as part of FCR	-			-						
211121	J031	094	to be con as part of FCR	-			-						
211121	J031	104	to be con as part of FCR	-			-						
211121	J031	105	to be con as part of FCR	-			-						
211121	J031	114	to be con as part of FCR	-			-						
211121	J031	115	to be con as part of FCR	-			-						
211121	J031	121	to be con as part of FCR	-			-						
211121	J031	122	to be con as part of FCR	-			-						
211121	J031	123	to be con as part of FCR	-			-						
211121	J031	124	to be con as part of FCR	-			-						
211121	J031	125	to be con as part of FCR	-			-						
211121	J031	126	to be con as part of FCR	-			-						
211121	J031	127	to be con as part of FCR	-			-						
211121	J031	64	NC	-			-						
211121	J031	65	NC	-			-						
Date:			Name:		SPIRE:			ESA:					

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	026	SPIRE SLW Ch01-04	1+	SSB-	12AXD-38	S001	HSJFS	121220	P005	001		
211121	J032	037	SPIRE SLW Ch01-04	1-	SSB-	12AXD-38	S001	HSJFS	121220	P005	014		
211121	J032	115	SPIRE SLW Ch01-04	1gnd	SSB-	12AXD-38	S001	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	038	SPIRE SLW Ch01-04	2+	SSB-	12AXD-38	S001	HSJFS	121220	P005	002		
211121	J032	049	SPIRE SLW Ch01-04	2-	SSB-	12AXD-38	S001	HSJFS	121220	P005	015		
211121	J032	115	SPIRE SLW Ch01-04	2gnd	SSB-	12AXD-38	S001	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	048	SPIRE SLW Ch01-04	3+	SSB-	12AXD-38	S001	HSJFS	121220	P005	003		
211121	J032	060	SPIRE SLW Ch01-04	3-	SSB-	12AXD-38	S001	HSJFS	121220	P005	016		
211121	J032	115	SPIRE SLW Ch01-04	3gnd	SSB-	12AXD-38	S001	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	059	SPIRE SLW Ch01-04	4+	SSB-	12AXD-38	S001	HSJFS	121220	P005	004		
211121	J032	071	SPIRE SLW Ch01-04	4-	SSB-	12AXD-38	S001	HSJFS	121220	P005	017		
211121	J032	115	SPIRE SLW Ch01-04	4gnd	SSB-	12AXD-38	S001	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	115	SPIRE SLW Ch01-04	SHD01	SSB-	12AXD-38	S001	HSJFS	121220	P005	013		
211121	J032	FCR	SPIRE SLW Ch01-04	COS01	SSB-	12AXD-38	S001	HSJFS	121220	P005	CH		
211121	J032	-		-			-						
211121	J032	050	SPIRE SLW Ch05-08	5+	SSB-	12AXD-38	S002	HSJFS	121220	P005	005		
211121	J032	061	SPIRE SLW Ch05-08	5-	SSB-	12AXD-38	S002	HSJFS	121220	P005	018		
211121	J032	115	SPIRE SLW Ch05-08	5gnd	SSB-	12AXD-38	S002	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	062	SPIRE SLW Ch05-08	6+	SSB-	12AXD-38	S002	HSJFS	121220	P005	006		
211121	J032	051	SPIRE SLW Ch05-08	6-	SSB-	12AXD-38	S002	HSJFS	121220	P005	019		
211121	J032	115	SPIRE SLW Ch05-08	6gnd	SSB-	12AXD-38	S002	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	063	SPIRE SLW Ch05-08	7+	SSB-	12AXD-38	S002	HSJFS	121220	P005	020		
211121	J032	075	SPIRE SLW Ch05-08	7-	SSB-	12AXD-38	S002	HSJFS	121220	P005	007		
211121	J032	115	SPIRE SLW Ch05-08	7gnd	SSB-	12AXD-38	S002	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	074	SPIRE SLW Ch05-08	8+	SSB-	12AXD-38	S002	HSJFS	121220	P005	021		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	073	SPIRE SLW Ch05-08	8-	SSB-	12AXD-38	S002	HSJFS	121220	P005	008		
211121	J032	115	SPIRE SLW Ch05-08	8gnd	SSB-	12AXD-38	S002	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	115	SPIRE SLW Ch05-08	SHD02	SSB-	12AXD-38	S002	HSJFS	121220	P005	013		
211121	J032	FCR	SPIRE SLW Ch05-08	COS02	SSB-	12AXD-38	S002	HSJFS	121220	P005	CH		
211121	J032	-		-			-						
211121	J032	083	SPIRE SLW Ch09-12	9+	SSB-	12AXD-38	S003	HSJFS	121220	P005	022		
211121	J032	072	SPIRE SLW Ch09-12	9-	SSB-	12AXD-38	S003	HSJFS	121220	P005	009		
211121	J032	115	SPIRE SLW Ch09-12	9gnd	SSB-	12AXD-38	S003	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	095	SPIRE SLW Ch09-12	10+	SSB-	12AXD-38	S003	HSJFS	121220	P005	023		
211121	J032	084	SPIRE SLW Ch09-12	10-	SSB-	12AXD-38	S003	HSJFS	121220	P005	010		
211121	J032	115	SPIRE SLW Ch09-12	10gnd	SSB-	12AXD-38	S003	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	096	SPIRE SLW Ch09-12	11+	SSB-	12AXD-38	S003	HSJFS	121220	P005	024		
211121	J032	085	SPIRE SLW Ch09-12	11-	SSB-	12AXD-38	S003	HSJFS	121220	P005	011		
211121	J032	115	SPIRE SLW Ch09-12	11gnd	SSB-	12AXD-38	S003	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	106	SPIRE SLW Ch09-12	12+	SSB-	12AXD-38	S003	HSJFS	121220	P005	025		
211121	J032	107	SPIRE SLW Ch09-12	12-	SSB-	12AXD-38	S003	HSJFS	121220	P005	012		
211121	J032	115	SPIRE SLW Ch09-12	12gnd	SSB-	12AXD-38	S003	HSJFS	121220	P005	013		
211121	J032	-		-			-						
211121	J032	115	SPIRE SLW Ch09-12	SHD03	SSB-	12AXD-38	S003	HSJFS	121220	P005	013		
211121	J032	FCR	SPIRE SLW Ch09-12	COS03	SSB-	12AXD-38	S003	HSJFS	121220	P005	CH		
211121	J032	-		-			-						
211121	J032	086	SPIRE SLW Ch13-16	13+	SSB-	12AXD-38	S004	HSJFS	121220	P006	001		
211121	J032	087	SPIRE SLW Ch13-16	13-	SSB-	12AXD-38	S004	HSJFS	121220	P006	014		
211121	J032	122	SPIRE SLW Ch13-16	13gnd	SSB-	12AXD-38	S004	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	097	SPIRE SLW Ch13-16	14+	SSB-	12AXD-38	S004	HSJFS	121220	P006	002		
211121	J032	098	SPIRE SLW Ch13-16	14-	SSB-	12AXD-38	S004	HSJFS	121220	P006	015		
211121	J032	122	SPIRE SLW Ch13-16	14gnd	SSB-	12AXD-38	S004	HSJFS	121220	P006	013		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	-		-			-						
211121	J032	108	SPIRE SLW Ch13-16	15+	SSB-	12AXD-38	S004	HSJFS	121220	P006	003		
211121	J032	109	SPIRE SLW Ch13-16	15-	SSB-	12AXD-38	S004	HSJFS	121220	P006	016		
211121	J032	122	SPIRE SLW Ch13-16	15gnd	SSB-	12AXD-38	S004	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	116	SPIRE SLW Ch13-16	16+	SSB-	12AXD-38	S004	HSJFS	121220	P006	004		
211121	J032	117	SPIRE SLW Ch13-16	16-	SSB-	12AXD-38	S004	HSJFS	121220	P006	017		
211121	J032	122	SPIRE SLW Ch13-16	16gnd	SSB-	12AXD-38	S004	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	122	SPIRE SLW Ch13-16	SHD04	SSB-	12AXD-38	S004	HSJFS	121220	P006	013		
211121	J032	FCR	SPIRE SLW Ch13-16	COS04	SSB-	12AXD-38	S004	HSJFS	121220	P006	CH		
211121	J032	-		-			-						
211121	J032	055	SPIRE SLW Ch17-20	17+	SSB-	12AXD-38	S005	HSJFS	121220	P006	005		
211121	J032	066	SPIRE SLW Ch17-20	17-	SSB-	12AXD-38	S005	HSJFS	121220	P006	018		
211121	J032	122	SPIRE SLW Ch17-20	17gnd	SSB-	12AXD-38	S005	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	067	SPIRE SLW Ch17-20	18+	SSB-	12AXD-38	S005	HSJFS	121220	P006	006		
211121	J032	078	SPIRE SLW Ch17-20	18-	SSB-	12AXD-38	S005	HSJFS	121220	P006	019		
211121	J032	122	SPIRE SLW Ch17-20	18gnd	SSB-	12AXD-38	S005	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	076	SPIRE SLW Ch17-20	19+	SSB-	12AXD-38	S005	HSJFS	121220	P006	020		
211121	J032	077	SPIRE SLW Ch17-20	19-	SSB-	12AXD-38	S005	HSJFS	121220	P006	007		
211121	J032	122	SPIRE SLW Ch17-20	19gnd	SSB-	12AXD-38	S005	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	088	SPIRE SLW Ch17-20	20+	SSB-	12AXD-38	S005	HSJFS	121220	P006	021		
211121	J032	089	SPIRE SLW Ch17-20	20-	SSB-	12AXD-38	S005	HSJFS	121220	P006	008		
211121	J032	122	SPIRE SLW Ch17-20	20gnd	SSB-	12AXD-38	S005	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	122	SPIRE SLW Ch17-20	SHD05	SSB-	12AXD-38	S005	HSJFS	121220	P006	013		
211121	J032	FCR	SPIRE SLW Ch17-20	COS05	SSB-	12AXD-38	S005	HSJFS	121220	P006	CH		
211121	J032	-		-			-						
211121	J032	099	SPIRE SLW Ch21-24	21+	SSB-	12AXD-38	S006	HSJFS	121220	P006	022		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	100	SPIRE SLW Ch21-24	21-	SSB-	12AXD-38	S006	HSJFS	121220	P006	009		
211121	J032	122	SPIRE SLW Ch21-24	21gnd	SSB-	12AXD-38	S006	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	110	SPIRE SLW Ch21-24	22+	SSB-	12AXD-38	S006	HSJFS	121220	P006	023		
211121	J032	111	SPIRE SLW Ch21-24	22-	SSB-	12AXD-38	S006	HSJFS	121220	P006	010		
211121	J032	122	SPIRE SLW Ch21-24	22gnd	SSB-	12AXD-38	S006	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	118	SPIRE SLW Ch21-24	23+	SSB-	12AXD-38	S006	HSJFS	121220	P006	024		
211121	J032	119	SPIRE SLW Ch21-24	23-	SSB-	12AXD-38	S006	HSJFS	121220	P006	011		
211121	J032	122	SPIRE SLW Ch21-24	23gnd	SSB-	12AXD-38	S006	HSJFS	121220	P006	013		
211121	J032	-		-			-						
211121	J032	112	SPIRE SLW Ch21-24	24+	SSB-	12AXD-38	S006	HSJFS	121220	P006	025		
211121	J032	120	SPIRE SLW Ch21-24	24-	SSB-	12AXD-38	S006	HSJFS	121220	P006	012		
211121	J032	122	SPIRE SLW Ch21-24	24gnd	SSB-	12AXD-38	S006	HSJFS	121220	P006	013		
211121	J032	122	SPIRE SLW Ch21-24	SHD06	SSB-	12AXD-38	S006	HSJFS	121220	P006	013		
211121	J032	FCR	SPIRE SLW Ch21-24	COS06	SSB-	12AXD-38	S006	HSJFS	121220	P006	CH		
211121	J032	-		-			-						
211121	J032	007	SPIRE PTC TC Bias A	+ve	S3A-	022BS-38	S009	HSJFS	121220	P009	001		
211121	J032	014	SPIRE PTC TC Bias A	-ve	S3A-	022BS-38	S009	HSJFS	121220	P009	020		
211121	J032	046	SPIRE PTC TC Bias A	SHD09	S3A-	022BS-38	S009	HSJFS	121220	P009	002		
211121	J032	FCR	SPIRE PTC TC Bias A	COS09	S3A-	022BS-38	S009	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	024	SPIRE PTC JFETV Bias A	+ve	S3C-	022BS-38	S010	HSJFS	121220	P009	021		
211121	J032	035	SPIRE PTC JFETV Bias A	-ve	S3C-	022BS-38	S010	HSJFS	121220	P009	003		
211121	J032	046	SPIRE PTC JFETV Bias A	SHD10	S3C-	022BS-38	S010	HSJFS	121220	P009	002		
211121	J032	FCR	SPIRE PTC JFETV Bias A	COS10	S3C-	022BS-38	S010	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	046	SPIRE PTC GND WIRE A3	GND A3	SSX-	010B0-30	S403	HSJFS	121220	P009	002		
211121	J032	-		-			-						
211121	J032	121	SPIRE SLW Bias A1	+ve	SSD-	022SS-38	S025	HSJFS	121220	P009	022		
211121	J032	114	SPIRE SLW Bias A1	-ve	SSD-	022SS-38	S025	HSJFS	121220	P009	004		
211121	J032	104	SPIRE SLW Bias A1	SHD25	SSD-	022SS-38	S025	HSJFS	121220	P009	006		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	FCR	SPIRE SLW Bias A1	COS25	SSD-	022SS-38	S025	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	102	SPIRE SLW Bias A2	+ve	SSD-	022SS-38	S026	HSJFS	121220	P009	005		
211121	J032	101	SPIRE SLW Bias A2	-ve	SSD-	022SS-38	S026	HSJFS	121220	P009	024		
211121	J032	104	SPIRE SLW Bias A2	SHD26	SSD-	022SS-38	S026	HSJFS	121220	P009	023		
211121	J032	FCR	SPIRE SLW Bias A2	COS26	SSD-	022SS-38	S026	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	092	SPIRE SLW JFETV A1	+ve	SSF-	022BS-38	S011	HSJFS	121220	P009	025		
211121	J032	091	SPIRE SLW JFETV A1	-ve	SSF-	022BS-38	S011	HSJFS	121220	P009	007		
211121	J032	104	SPIRE SLW JFETV A1	SHD11	SSF-	022BS-38	S011	HSJFS	121220	P009	006		
211121	J032	FCR	SPIRE SLW JFETV A1	COS11	SSF-	022BS-38	S011	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	103	SPIRE SLW JFETV A2	+ve	SSF-	022BS-38	S012	HSJFS	121220	P009	008		
211121	J032	113	SPIRE SLW JFETV A2	-ve	SSF-	022BS-38	S012	HSJFS	121220	P009	027		
211121	J032	104	SPIRE SLW JFETV A2	SHD12	SSF-	022BS-38	S012	HSJFS	121220	P009	026		
211121	J032	FCR	SPIRE SLW JFETV A2	COS12	SSF-	022BS-38	S012	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	104	SPIRE SLW GND WIRE B3	-	SSX-	010B0-30	S405	HSJFS	121220	P009	006		
211121	J032	-		-			-						
211121	J032	090	SPIRE SSW Bias A1	+ve	SSC-	022SS-38	S029	HSJFS	121220	P009	028		
211121	J032	079	SPIRE SSW Bias A1	-ve	SSC-	022SS-38	S029	HSJFS	121220	P009	010		
211121	J032	093	SPIRE SSW Bias A1	SHD29	SSC-	022SS-38	S029	HSJFS	121220	P009	009		
211121	J032	FCR	SPIRE SSW Bias A1	COS29	SSC-	022SS-38	S029	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	068	SPIRE SSW JFETV A1	+ve	SSE-	022BS-38	S016	HSJFS	121220	P009	011		
211121	J032	057	SPIRE SSW JFETV A1	-ve	SSE-	022BS-38	S016	HSJFS	121220	P009	030		
211121	J032	093	SPIRE SSW JFETV A1	SHD16	SSE-	022BS-38	S016	HSJFS	121220	P009	029		
211121	J032	FCR	SPIRE SSW JFETV A1	COS16	SSE-	022BS-38	S016	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	069	SPIRE SSW Bias A2	+ve	SSC-	022SS-38	S031	HSJFS	121220	P009	013		
211121	J032	080	SPIRE SSW Bias A2	-ve	SSC-	022SS-38	S031	HSJFS	121220	P009	032		
211121	J032	093	SPIRE SSW Bias A2	SHD31	SSC-	022SS-38	S031	HSJFS	121220	P009	031		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	FCR	SPIRE SSW Bias A2	COS31	SSC-	022SS-38	S031	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	070	SPIRE SSW JFETV A2	+ve	SSE-	022BS-38	S017	HSJFS	121220	P009	033		
211121	J032	081	SPIRE SSW JFETV A2	-ve	SSE-	022BS-38	S017	HSJFS	121220	P009	015		
211121	J032	093	SPIRE SSW JFETV A2	SHD17	SSE-	022BS-38	S017	HSJFS	121220	P009	014		
211121	J032	FCR	SPIRE SSW JFETV A2	COS17	SSE-	022BS-38	S017	HSJFS	121220	P009	CH		
211121	J032	-		-			-						
211121	J032	093	SPIRE SSW GND Wire C3	-	SSX-	010B0-30	S406	HSJFS	121220	P009	012		
211121	J032	-		-			-						
211121	J032	023	SPIRE SLW JFET Htr A	+ve	SSH-	021BS-38	S033	HSJFS	121220	P009	017		
211121	J032	034	SPIRE SLW JFET Htr A	-ve	SSH-	021BS-38	S033	HSJFS	121220	P009	036		
211121	J032	022	SPIRE SLW JFET Htr A	SHD33	SSH-	021BS-38	S033	HSJFS	121220	P009	018		
211121	J032	-		-			-						
211121	J032	033	SPIRE SSW JFET Htr A	+ve	SSG-	021BS-38	S034	HSJFS	121220	P009	037		
211121	J032	045	SPIRE SSW JFET Htr A	-ve	SSG-	021BS-38	S034	HSJFS	121220	P009	019		
211121	J032	022	SPIRE SSW JFET Htr A	SHD34	SSG-	021BS-38	S034	HSJFS	121220	P009	018		
211121	J032	-		-			-						
211121	J032	044	SPIRE PTC JFET Htr A	+ve	S3B-	021BS-38	S019	HSJFS	121220	P009	016		
211121	J032	056	SPIRE PTC JFET Htr A	-ve	S3B-	021BS-38	S019	HSJFS	121220	P009	035		
211121	J032	022	SPIRE PTC JFET Htr A	SHD19	S3B-	021BS-38	S019	HSJFS	121220	P009	NC		
211121	J032	-		-			-						
211121	J032	001	SPIRE PTC TC Bias B	+ve	S3A-	022BS-38	S020	HSJFS	121220	P010	001		
211121	J032	008	SPIRE PTC TC Bias B	-ve	S3A-	022BS-38	S020	HSJFS	121220	P010	020		
211121	J032	004	SPIRE PTC TC Bias B	SHD20	S3A-	022BS-38	S020	HSJFS	121220	P010	002		
211121	J032	FCR	SPIRE PTC TC Bias B	COS20	S3A-	022BS-38	S020	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	003	SPIRE PTC JFETV Bias B	+ve	S3C-	022BS-38	S022	HSJFS	121220	P010	021		
211121	J032	002	SPIRE PTC JFETV Bias B	-ve	S3C-	022BS-38	S022	HSJFS	121220	P010	003		
211121	J032	004	SPIRE PTC JFETV Bias B	SHD22	S3C-	022BS-38	S022	HSJFS	121220	P010	002		
211121	J032	FCR	SPIRE PTC JFETV Bias B	COS22	S3C-	022BS-38	S022	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	004	SPIRE PTC GND Wire A4	-	SSX-	010B0-30	S404	HSJFS	121220	P010	002		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	-		-			-						
211121	J032	013	SPIRE SLW Bias B1	+ve	SSD-	022SS-38	S038	HSJFS	121220	P010	022		
211121	J032	012	SPIRE SLW Bias B1	-ve	SSD-	022SS-38	S038	HSJFS	121220	P010	004		
211121	J032	032	SPIRE SLW Bias B1	SHD38	SSD-	022SS-38	S038	HSJFS	121220	P010	006		
211121	J032	FCR	SPIRE SLW Bias B1	COS38	SSD-	022SS-38	S038	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	021	SPIRE SLW Bias B2	+ve	SSD-	022SS-38	S039	HSJFS	121220	P010	005		
211121	J032	020	SPIRE SLW Bias B2	-ve	SSD-	022SS-38	S039	HSJFS	121220	P010	024		
211121	J032	032	SPIRE SLW Bias B2	SHD39	SSD-	022SS-38	S039	HSJFS	121220	P010	023		
211121	J032	FCR	SPIRE SLW Bias B2	COS39	SSD-	022SS-38	S039	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	031	SPIRE SLW JFETV B1	+ve	SSF-	022BS-38	S028	HSJFS	121220	P010	025		
211121	J032	043	SPIRE SLW JFETV B1	-ve	SSF-	022BS-38	S028	HSJFS	121220	P010	007		
211121	J032	032	SPIRE SLW JFETV B1	SHD28	SSF-	022BS-38	S028	HSJFS	121220	P010	006		
211121	J032	FCR	SPIRE SLW JFETV B1	COS28	SSF-	022BS-38	S028	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	042	SPIRE SLW JFETV B2	+ve	SSF-	022BS-38	S023	HSJFS	121220	P010	008		
211121	J032	054	SPIRE SLW JFETV B2	-ve	SSF-	022BS-38	S023	HSJFS	121220	P010	027		
211121	J032	032	SPIRE SLW JFETV B2	SHD23	SSF-	022BS-38	S023	HSJFS	121220	P010	006		
211121	J032	FCR	SPIRE SLW JFETV B2	COS23	SSF-	022BS-38	S023	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	032	SPIRE SLW GND Wire B4	-	SSX-	010B0-30	S407	HSJFS	121220	P010	006		
211121	J032	-		-			-						
211121	J032	010	SPIRE SSW Bias B1	+ve	SSC-	022SS-38	S042	HSJFS	121220	P010	028		
211121	J032	011	SPIRE SSW Bias B1	-ve	SSC-	022SS-38	S042	HSJFS	121220	P010	010		
211121	J032	040	SPIRE SSW Bias B1	SHD42	SSC-	022SS-38	S042	HSJFS	121220	P010	009		
211121	J032	FCR	SPIRE SSW Bias B1	COS42	SSC-	022SS-38	S042	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	019	SPIRE SSW JFETV B1	+ve	SSE-	022BS-38	S035	HSJFS	121220	P010	011		
211121	J032	029	SPIRE SSW JFETV B1	-ve	SSE-	022BS-38	S035	HSJFS	121220	P010	030		
211121	J032	040	SPIRE SSW JFETV B1	SHD35	SSE-	022BS-38	S035	HSJFS	121220	P010	029		
211121	J032	FCR	SPIRE SSW JFETV B1	COS35	SSE-	022BS-38	S035	HSJFS	121220	P010	CH		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	-		-			-						
211121	J032	041	SPIRE SSW Bias B2	+ve	SSC-	022SS-38	S044	HSJFS	121220	P010	013		
211121	J032	030	SPIRE SSW Bias B2	-ve	SSC-	022SS-38	S044	HSJFS	121220	P010	032		
211121	J032	040	SPIRE SSW Bias B2	SHD44	SSC-	022SS-38	S044	HSJFS	121220	P010	031		
211121	J032	FCR	SPIRE SSW Bias B2	COS44	SSC-	022SS-38	S044	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	053	SPIRE SSW JFETV B2	+ve	SSE-	022BS-38	S036	HSJFS	121220	P010	033		
211121	J032	052	SPIRE SSW JFETV B2	-ve	SSE-	022BS-38	S036	HSJFS	121220	P010	015		
211121	J032	040	SPIRE SSW JFETV B2	SHD36	SSE-	022BS-38	S036	HSJFS	121220	P010	014		
211121	J032	FCR	SPIRE SSW JFETV B2	COS36	SSE-	022BS-38	S036	HSJFS	121220	P010	CH		
211121	J032	-		-			-						
211121	J032	040	SPIRE SSW GND Wire C4	-	SSX-	010B0-30	S408	HSJFS	121220	P010	012		
211121	J032	-		-			-						
211121	J032	018	SPIRE SLW JFET Htr B	+ve	SSH-	021BS-38	S046	HSJFS	121220	P010	017		
211121	J032	028	SPIRE SLW JFET Htr B	-ve	SSH-	021BS-38	S046	HSJFS	121220	P010	036		
211121	J032	039	SPIRE SLW JFET Htr B	SHD46	SSH-	021BS-38	S046	HSJFS	121220	P010	018		
211121	J032	-		-			-						
211121	J032	009	SPIRE SSW JFET Htr B	+ve	SSG-	021BS-38	S047	HSJFS	121220	P010	037		
211121	J032	017	SPIRE SSW JFET Htr B	-ve	SSG-	021BS-38	S047	HSJFS	121220	P010	019		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J032	039	SPIRE SSW JFET Htr B	SHD47	SSG-	021BS-38	S047	HSJFS	121220	P010	018		
211121	J032	-		-			-						
211121	J032	016	SPIRE PTC JFET Htr B	+ve	S3B-	021BS-38	S040	HSJFS	121220	P010	016		
211121	J032	027	SPIRE PTC JFET Htr B	-ve	S3B-	021BS-38	S040	HSJFS	121220	P010	035		
211121	J032	039	SPIRE PTC JFET Htr B	SHD40	S3B-	021BS-38	S040	HSJFS	121220	P010	NC		
211121	J032	-		-			-						
211121	J032	005	to be con as part of FCR	-			-						
211121	J032	006	to be con as part of FCR	-			-						
211121	J032	015	to be con as part of FCR	-			-						
211121	J032	022	to be con as part of FCR	-			-						
211121	J032	025	to be con as part of FCR	-			-						
211121	J032	036	to be con as part of FCR	-			-						
211121	J032	039	to be con as part of FCR	-			-						
211121	J032	047	to be con as part of FCR	-			-						
211121	J032	058	to be con as part of FCR	-			-						
211121	J032	082	to be con as part of FCR	-			-						
211121	J032	094	to be con as part of FCR	-			-						
211121	J032	105	to be con as part of FCR	-			-						
211121	J032	123	to be con as part of FCR	-			-						
211121	J032	124	to be con as part of FCR	-			-						
211121	J032	125	to be con as part of FCR	-			-						
211121	J032	126	to be con as part of FCR	-			-						
211121	J032	127	to be con as part of FCR	-			-						
211121	J032	128	to be con as part of FCR	-			-						
211121	J032	-		-			-						
211121	J032	-	CH to be isolated from FCR	-			-						
211121	J032	-	Bundles Isolated from S/C structure	-			-						
Date:			Name:		SPIRE:			ESA:					

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J033	029	SPIRE SorptPumpTemp(R)	I+	S3E-	041SS-38	S287	HSFPU	121100	P020	020		
211121	J033	030	SPIRE SorptPumpTemp(R)	I-	S3E-	041SS-38	S287	HSFPU	121100	P020	021		
211121	J033	041	SPIRE SorptPumpTemp(R)	V+	S3E-	041SS-38	S287	HSFPU	121100	P020	001		
211121	J033	042	SPIRE SorptPumpTemp(R)	V-	S3E-	041SS-38	S287	HSFPU	121100	P020	002		
211121	J033	031	SPIRE SorptPumpTemp(R)	SHD87	S3E-	041SS-38	S287	HSFPU	121100	P020	003		
211121	J033	-		-			-						
211121	J033	077	SPIRE EvaporatorTemp(R)	I+	S3E-	041SS-38	S288	HSFPU	121100	P020	022		
211121	J033	076	SPIRE EvaporatorTemp(R)	I-	S3E-	041SS-38	S288	HSFPU	121100	P020	023		
211121	J033	066	SPIRE EvaporatorTemp(R)	V+	S3E-	041SS-38	S288	HSFPU	121100	P020	004		
211121	J033	065	SPIRE EvaporatorTemp(R)	V-	S3E-	041SS-38	S288	HSFPU	121100	P020	005		
211121	J033	054	SPIRE EvaporatorTemp(R)	SHD88	S3E-	041SS-38	S288	HSFPU	121100	P020	024		
211121	J033	054	to be con to pin 031	-			-						
211121	J033	-		-			-						
211121	J033	053	SPIRE SorptPumpSwTemp(R)	I+	S3E-	041SS-38	S289	HSFPU	121100	P020	025		
211121	J033	064	SPIRE SorptPumpSwTemp(R)	V+	S3E-	041SS-38	S289	HSFPU	121100	P020	006		
211121	J033	063	SPIRE SorptPumpSwTemp(R)	V-	S3E-	041SS-38	S289	HSFPU	121100	P020	007		
211121	J033	052	SPIRE SorptPumpSwTemp(R)	I-	S3E-	041SS-38	S289	HSFPU	121100	P020	026		
211121	J033	075	SPIRE SorptPumpSwTemp(R)	SHD89	S3E-	041SS-38	S289	HSFPU	121100	P020	008		
211121	J033	075	to be con to pin 031	-			-						
211121	J033	-		-			-						
211121	J033	050	SPIRE EvaporSwTemp(R)	I+	S3E-	041SS-38	S290	HSFPU	121100	P020	027		
211121	J033	062	SPIRE EvaporSwTemp(R)	V+	S3E-	041SS-38	S290	HSFPU	121100	P020	009		
211121	J033	051	SPIRE EvaporSwTemp(R)	V-	S3E-	041SS-38	S290	HSFPU	121100	P020	010		
211121	J033	061	SPIRE EvaporSwTemp(R)	I-	S3E-	041SS-38	S290	HSFPU	121100	P020	028		
211121	J033	039	SPIRE EvaporSwTemp(R)	SHD90	S3E-	041SS-38	S290	HSFPU	121100	P020	029		
211121	J033	039	to be con to pin 031	-			-						
211121	J033	-		-			-						
211121	J033	011	SPIRE ThermShuntTemp(R)	I+A	S3E-	041SS-38	S291	HSFPU	121100	P020	030		
211121	J033	019	SPIRE ThermShuntTemp(R)	V+B	S3E-	041SS-38	S291	HSFPU	121100	P020	011		
211121	J033	018	SPIRE ThermShuntTemp(R)	V-A	S3E-	041SS-38	S291	HSFPU	121100	P020	012		
211121	J033	010	SPIRE ThermShuntTemp(R)	I-B	S3E-	041SS-38	S291	HSFPU	121100	P020	031		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J033	020	SPIRE ThermShuntTemp(R)	SHD91	S3E-	041SS-38	S291	HSFPU	121100	P020	013		
211121	J033	020	to be con to pin 031	-			-						
211121	J033	-		-			-						
211121	J033	006	SPIRE SorptPumpHtr(R)	I+A	S3F-	040B0-30	S292	HSFPU	121100	P020	014		
211121	J033	013	SPIRE SorptPumpHtr(R)	I+B	S3F-	040B0-30	S292	HSFPU	121100	P020	032		
211121	J033	005	SPIRE SorptPumpHtr(R)	I-A	S3F-	040B0-30	S292	HSFPU	121100	P020	015		
211121	J033	012	SPIRE SorptPumpHtr(R)	I-B	S3F-	040B0-30	S292	HSFPU	121100	P020	033		
211121	J033	-		-			-						
211121	J033	022	SPIRE SorptPumpSwHtr(R)	I+A	S3F-	040B0-30	S293	HSFPU	121100	P020	016		
211121	J033	033	SPIRE SorptPumpSwHtr(R)	I+B	S3F-	040B0-30	S293	HSFPU	121100	P020	034		
211121	J033	021	SPIRE SorptPumpSwHtr(R)	I-A	S3F-	040B0-30	S293	HSFPU	121100	P020	017		
211121	J033	032	SPIRE SorptPumpSwHtr(R)	I-B	S3F-	040B0-30	S293	HSFPU	121100	P020	035		
211121	J033	-		-			-						
211121	J033	055	SPIRE EvaporSwHtr(R)	I+A	S3F-	040B0-30	S294	HSFPU	121100	P020	018		
211121	J033	056	SPIRE EvaporSwHtr(R)	I+B	S3F-	040B0-30	S294	HSFPU	121100	P020	036		
211121	J033	043	SPIRE EvaporSwHtr(R)	I-A	S3F-	040B0-30	S294	HSFPU	121100	P020	019		
211121	J033	044	SPIRE EvaporSwHtr(R)	I-B	S3F-	040B0-30	S294	HSFPU	121100	P020	037		
211121	J033	-		-			-						
211121	J033	111	SPIRE Spectr4%Temp (R)	I+	SCA-	041SS-38	S295	HSFPU	121100	P022	005		
211121	J033	112	SPIRE Spectr4%Temp (R)	I-	SCA-	041SS-38	S295	HSFPU	121100	P022	025		
211121	J033	120	SPIRE Spectr4%Temp (R)	V+	SCA-	041SS-38	S295	HSFPU	121100	P022	006		
211121	J033	128	SPIRE Spectr4%Temp (R)	V-	SCA-	041SS-38	S295	HSFPU	121100	P022	024		
211121	J033	121	SPIRE Spectr4%Temp (R)	SHD95	SCA-	041SS-38	S295	HSFPU	121100	P022	023		
211121	J033	-		-			-						
211121	J033	091	SPIRE Spectr2%Temp (R)	I+	SCA-	041SS-38	S296	HSFPU	121100	P022	007		
211121	J033	080	SPIRE Spectr2%Temp (R)	I-	SCA-	041SS-38	S296	HSFPU	121100	P022	027		
211121	J033	092	SPIRE Spectr2%Temp (R)	V+	SCA-	041SS-38	S296	HSFPU	121100	P022	008		
211121	J033	081	SPIRE Spectr2%Temp (R)	V-	SCA-	041SS-38	S296	HSFPU	121100	P022	026		
211121	J033	093	SPIRE Spectr2%Temp (R)	SHD96	SCA-	041SS-38	S296	HSFPU	121100	P022	009		
211121	J033	093	to be con to pin 121	-			-						
211121	J033	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J033	114	SPIRE SpStimFlanTemp(R)	I+	SCA-	041SS-38	S297	HSFPU	121100	P022	010		
211121	J033	104	SPIRE SpStimFlanTemp(R)	I-	SCA-	041SS-38	S297	HSFPU	121100	P022	029		
211121	J033	113	SPIRE SpStimFlanTemp(R)	V+	SCA-	041SS-38	S297	HSFPU	121100	P022	011		
211121	J033	103	SPIRE SpStimFlanTemp(R)	V-	SCA-	041SS-38	S297	HSFPU	121100	P022	028		
211121	J033	102	SPIRE SpStimFlanTemp(R)	SHD97	SCA-	041SS-38	S297	HSFPU	121100	P022	030		
211121	J033	102	to be con to pin 121	-			-						
211121	J033	-		-			-						
211121	J033	035	SPIRE Spectr4%Heater (R)	I+A	SCB-	040B0-30	S298	HSFPU	121100	P022	014		
211121	J033	024	SPIRE Spectr4%Heater (R)	I+B	SCB-	040B0-30	S298	HSFPU	121100	P022	015		
211121	J033	034	SPIRE Spectr4%Heater (R)	I-A	SCB-	040B0-30	S298	HSFPU	121100	P022	033		
211121	J033	023	SPIRE Spectr4%Heater (R)	I-B	SCB-	040B0-30	S298	HSFPU	121100	P022	034		
211121	J033	-		-			-						
211121	J033	046	SPIRE Spectr2%Heater (R)	I+A	SCB-	040B0-30	S299	HSFPU	121100	P022	016		
211121	J033	058	SPIRE Spectr2%Heater (R)	I+B	SCB-	040B0-30	S299	HSFPU	121100	P022	017		
211121	J033	045	SPIRE Spectr2%Heater (R)	I-A	SCB-	040B0-30	S299	HSFPU	121100	P022	035		
211121	J033	057	SPIRE Spectr2%Heater (R)	I-B	SCB-	040B0-30	S299	HSFPU	121100	P022	036		
211121	J033	-		-			-						
211121	J033	089	SPIRE FilterTemp(R)	I+	STA-	041SS-38	S306	HSFPU	121100	P024	020		
211121	J033	100	SPIRE FilterTemp(R)	V+	STA-	041SS-38	S306	HSFPU	121100	P024	002		
211121	J033	099	SPIRE FilterTemp(R)	V-	STA-	041SS-38	S306	HSFPU	121100	P024	003		
211121	J033	088	SPIRE FilterTemp(R)	I-	STA-	041SS-38	S306	HSFPU	121100	P024	021		
211121	J033	101	SPIRE FilterTemp(R)	SHD06	STA-	041SS-38	S306	HSFPU	121100	P024	001		
211121	J033	-		-			-						
211121	J033	118	SPIRE SpectDetBoxTemp(R)	I+	STA-	041SS-38	S307	HSFPU	121100	P024	004		
211121	J033	119	SPIRE SpectDetBoxTemp(R)	I-	STA-	041SS-38	S307	HSFPU	121100	P024	005		
211121	J033	125	SPIRE SpectDetBoxTemp(R)	V+	STA-	041SS-38	S307	HSFPU	121100	P024	023		
211121	J033	126	SPIRE SpectDetBoxTemp(R)	V-	STA-	041SS-38	S307	HSFPU	121100	P024	024		
211121	J033	110	SPIRE SpectDetBoxTemp(R)	SHD07	STA-	041SS-38	S307	HSFPU	121100	P024	022		
211121	J033	110	to be con to pin 101	-			-						
211121	J033	-		-			-						
211121	J033	123	SPIRE PhotomDetBoxTmp(R)	I+	STA-	041SS-38	S308	HSFPU	121100	P024	025		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J033	124	SPIRE PhotomDetBoxTmp(R)	I-	STA-	041SS-38	S308	HSFPU	121100	P024	026		
211121	J033	116	SPIRE PhotomDetBoxTmp(R)	V+	STA-	041SS-38	S308	HSFPU	121100	P024	007		
211121	J033	117	SPIRE PhotomDetBoxTmp(R)	V-	STA-	041SS-38	S308	HSFPU	121100	P024	008		
211121	J033	108	SPIRE PhotomDetBoxTmp(R)	SHD08	STA-	041SS-38	S308	HSFPU	121100	P024	006		
211121	J033	108	to be con to pin 101	-			-						
211121	J033	-		-			-						
211121	J033	106	SPIRE OptSubbenchTmp(R)	I+	STA-	041SS-38	S309	HSFPU	121100	P024	009		
211121	J033	115	SPIRE OptSubbenchTmp(R)	I-	STA-	041SS-38	S309	HSFPU	121100	P024	010		
211121	J033	107	SPIRE OptSubbenchTmp(R)	V+	STA-	041SS-38	S309	HSFPU	121100	P024	028		
211121	J033	122	SPIRE OptSubbenchTmp(R)	V-	STA-	041SS-38	S309	HSFPU	121100	P024	029		
211121	J033	105	SPIRE OptSubbenchTmp(R)	SHD09	STA-	041SS-38	S309	HSFPU	121100	P024	027		
211121	J033	105	to be con to pin 101	-			-						
211121	J033	-		-			-						
211121	J033	097	SPIRE FPUInpBaffleTmp(R)	I+	STA-	041SS-38	S310	HSFPU	121100	P024	030		
211121	J033	098	SPIRE FPUInpBaffleTmp(R)	I-	STA-	041SS-38	S310	HSFPU	121100	P024	031		
211121	J033	086	SPIRE FPUInpBaffleTmp(R)	V+	STA-	041SS-38	S310	HSFPU	121100	P024	012		
211121	J033	087	SPIRE FPUInpBaffleTmp(R)	V-	STA-	041SS-38	S310	HSFPU	121100	P024	013		
211121	J033	109	SPIRE FPUInpBaffleTmp(R)	SHD10	STA-	041SS-38	S310	HSFPU	121100	P024	011		
211121	J033	109	to be con to pin 101	-			-						
211121	J033	-		-			-						
211121	J033	073	SPIRE BSM/SOB I/FTmp(R)	I+	STA-	041SS-38	S311	HSFPU	121100	P024	014		
211121	J033	074	SPIRE BSM/SOB I/FTmp(R)	V+	STA-	041SS-38	S311	HSFPU	121100	P024	033		
211121	J033	085	SPIRE BSM/SOB I/FTmp(R)	V-	STA-	041SS-38	S311	HSFPU	121100	P024	034		
211121	J033	084	SPIRE BSM/SOB I/FTmp(R)	I-	STA-	041SS-38	S311	HSFPU	121100	P024	015		
211121	J033	096	SPIRE BSM/SOB I/FTmp(R)	SHD11	STA-	041SS-38	S311	HSFPU	121100	P024	032		
211121	J033	096	to be con to pin 101	-			-						
211121	J033	-		-			-						
211121	J033	079	SPIRE PTC Htr(R)	I+A	STB-	041BS-30	S312	HSFPU	121100	P024	017		
211121	J033	078	SPIRE PTC Htr(R)	I+B	STB-	041BS-30	S312	HSFPU	121100	P024	018		
211121	J033	068	SPIRE PTC Htr(R)	I-A	STB-	041BS-30	S312	HSFPU	121100	P024	036		
211121	J033	067	SPIRE PTC Htr(R)	I-B	STB-	041BS-30	S312	HSFPU	121100	P024	037		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J033	090	SPIRE PTC Htr(R)	SHD12	STB-	041BS-30	S312	HSFPU	121100	P024	035		
211121	J033	-		-			-						
211121	J033	094	SPIRE FPU FT Faraday	SFF	SFF-	010B0-30	S302	HSFPU	121100	P024	CH		
211121	J033	004	SPIRE FPU FC 2 Faraday	SFF	SFF-	010B0-30	S304	HSFPU	121100	P020	CH		
211121	J033	047	SPIRE FPU FSS2 Faraday	SFF	SFF-	010B0-30	S303	HSFPU	121100	P022	CH		
211121	J033	-		-			-						
211121	J033	001	to be con as part of FCR	-			-						
211121	J033	002	to be con as part of FCR	-			-						
211121	J033	003	to be con as part of FCR	-			-						
211121	J033	004	to be con as part of FCR	-			-						
211121	J033	007	to be con as part of FCR	-			-						
211121	J033	008	to be con as part of FCR	-			-						
211121	J033	014	to be con as part of FCR	-			-						
211121	J033	015	to be con as part of FCR	-			-						
211121	J033	025	to be con as part of FCR	-			-						
211121	J033	036	to be con as part of FCR	-			-						
211121	J033	047	to be con as part of FCR	-			-						
211121	J033	059	to be con as part of FCR	-			-						
211121	J033	070	to be con as part of FCR	-			-						
211121	J033	082	to be con as part of FCR	-			-						
211121	J033	094	to be con as part of FCR	-			-						
211121	J033	127	to be con as part of FCR	-			-						
211121	J033	-		-			-						
211121	J033	-	CH to be isolated from FCR	-			-						
Date:			Name:			SPIRE:			ESA:				

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J034	029	SPIRE SorptPumpTemp(N)	I+	S3E-	041SS-38	S234	HSFPU	121100	P019	020		
211121	J034	030	SPIRE SorptPumpTemp(N)	I-	S3E-	041SS-38	S234	HSFPU	121100	P019	021		
211121	J034	041	SPIRE SorptPumpTemp(N)	V+	S3E-	041SS-38	S234	HSFPU	121100	P019	001		
211121	J034	042	SPIRE SorptPumpTemp(N)	V-	S3E-	041SS-38	S234	HSFPU	121100	P019	002		
211121	J034	031	SPIRE SorptPumpTemp(N)	SHD34	S3E-	041SS-38	S234	HSFPU	121100	P019	003		
211121	J034	-		-			-						
211121	J034	077	SPIRE EvaporatorTemp(N)	I+	S3E-	041SS-38	S235	HSFPU	121100	P019	022		
211121	J034	076	SPIRE EvaporatorTemp(N)	I-	S3E-	041SS-38	S235	HSFPU	121100	P019	023		
211121	J034	066	SPIRE EvaporatorTemp(N)	V+	S3E-	041SS-38	S235	HSFPU	121100	P019	004		
211121	J034	065	SPIRE EvaporatorTemp(N)	V-	S3E-	041SS-38	S235	HSFPU	121100	P019	005		
211121	J034	054	SPIRE EvaporatorTemp(N)	SHD35	S3E-	041SS-38	S235	HSFPU	121100	P019	024		
211121	J034	054	to be con to pin 031	-			-						
211121	J034	-		-			-						
211121	J034	053	SPIRE SorptPumpSwTemp(N)	I+	S3E-	041SS-38	S236	HSFPU	121100	P019	025		
211121	J034	052	SPIRE SorptPumpSwTemp(N)	I-	S3E-	041SS-38	S236	HSFPU	121100	P019	026		
211121	J034	064	SPIRE SorptPumpSwTemp(N)	V+	S3E-	041SS-38	S236	HSFPU	121100	P019	006		
211121	J034	063	SPIRE SorptPumpSwTemp(N)	V-	S3E-	041SS-38	S236	HSFPU	121100	P019	007		
211121	J034	075	SPIRE SorptPumpSwTemp(N)	SHD36	S3E-	041SS-38	S236	HSFPU	121100	P019	008		
211121	J034	075	to be con to pin 031	-			-						
211121	J034	-		-			-						
211121	J034	050	SPIRE EvaporSwTemp(N)	I+	S3E-	041SS-38	S237	HSFPU	121100	P019	027		
211121	J034	061	SPIRE EvaporSwTemp(N)	I-	S3E-	041SS-38	S237	HSFPU	121100	P019	028		
211121	J034	062	SPIRE EvaporSwTemp(N)	V+	S3E-	041SS-38	S237	HSFPU	121100	P019	009		
211121	J034	051	SPIRE EvaporSwTemp(N)	V-	S3E-	041SS-38	S237	HSFPU	121100	P019	010		
211121	J034	039	SPIRE EvaporSwTemp(N)	SHD37	S3E-	041SS-38	S237	HSFPU	121100	P019	029		
211121	J034	039	to be con to pin 031	-			-						
211121	J034	-		-			-						
211121	J034	011	SPIRE ThermShuntTemp(N)	I+A	S3E-	041SS-38	S238	HSFPU	121100	P019	030		
211121	J034	010	SPIRE ThermShuntTemp(N)	I-B	S3E-	041SS-38	S238	HSFPU	121100	P019	031		
211121	J034	019	SPIRE ThermShuntTemp(N)	V+B	S3E-	041SS-38	S238	HSFPU	121100	P019	011		
211121	J034	018	SPIRE ThermShuntTemp(N)	V-A	S3E-	041SS-38	S238	HSFPU	121100	P019	012		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J034	020	SPIRE ThermShuntTemp(N)	SHD38	S3E-	041SS-38	S238	HSFPU	121100	P019	013		
211121	J034	020	to be con to pin 031	-			-						
211121	J034	-		-			-						
211121	J034	006	SPIRE SorptPumpHtr(N)	I+A	S3F-	040B0-30	S239	HSFPU	121100	P019	014		
211121	J034	005	SPIRE SorptPumpHtr(N)	I-A	S3F-	040B0-30	S239	HSFPU	121100	P019	015		
211121	J034	013	SPIRE SorptPumpHtr(N)	I+B	S3F-	040B0-30	S239	HSFPU	121100	P019	032		
211121	J034	012	SPIRE SorptPumpHtr(N)	I-B	S3F-	040B0-30	S239	HSFPU	121100	P019	033		
211121	J034	-		-			-						
211121	J034	022	SPIRE SorptPumpSwHtr(N)	I+A	S3F-	040B0-30	S240	HSFPU	121100	P019	016		
211121	J034	021	SPIRE SorptPumpSwHtr(N)	I-A	S3F-	040B0-30	S240	HSFPU	121100	P019	017		
211121	J034	033	SPIRE SorptPumpSwHtr(N)	I+B	S3F-	040B0-30	S240	HSFPU	121100	P019	034		
211121	J034	032	SPIRE SorptPumpSwHtr(N)	I-B	S3F-	040B0-30	S240	HSFPU	121100	P019	035		
211121	J034	-		-			-						
211121	J034	055	SPIRE EvaporSwHtr(N)	I+A	S3F-	040B0-30	S241	HSFPU	121100	P019	018		
211121	J034	043	SPIRE EvaporSwHtr(N)	I-A	S3F-	040B0-30	S241	HSFPU	121100	P019	019		
211121	J034	056	SPIRE EvaporSwHtr(N)	I+B	S3F-	040B0-30	S241	HSFPU	121100	P019	036		
211121	J034	044	SPIRE EvaporSwHtr(N)	I-B	S3F-	040B0-30	S241	HSFPU	121100	P019	037		
211121	J034	-		-			-						
211121	J034	111	SPIRE Spectr4%Temp (N)	I+	SCA-	041SS-38	S242	HSFPU	121100	P021	005		
211121	J034	112	SPIRE Spectr4%Temp (N)	I-	SCA-	041SS-38	S242	HSFPU	121100	P021	025		
211121	J034	120	SPIRE Spectr4%Temp (N)	V+	SCA-	041SS-38	S242	HSFPU	121100	P021	006		
211121	J034	128	SPIRE Spectr4%Temp (N)	V-	SCA-	041SS-38	S242	HSFPU	121100	P021	024		
211121	J034	121	SPIRE Spectr4%Temp (N)	SHD42	SCA-	041SS-38	S242	HSFPU	121100	P021	023		
211121	J034	-		-			-						
211121	J034	091	SPIRE Spectr2%Temp (N)	I+	SCA-	041SS-38	S243	HSFPU	121100	P021	007		
211121	J034	080	SPIRE Spectr2%Temp (N)	I-	SCA-	041SS-38	S243	HSFPU	121100	P021	027		
211121	J034	092	SPIRE Spectr2%Temp (N)	V+	SCA-	041SS-38	S243	HSFPU	121100	P021	008		
211121	J034	081	SPIRE Spectr2%Temp (N)	V-	SCA-	041SS-38	S243	HSFPU	121100	P021	026		
211121	J034	093	SPIRE Spectr2%Temp (N)	SHD43	SCA-	041SS-38	S243	HSFPU	121100	P021	009		
211121	J034	093	to be con to pin 121	-			-						
211121	J034	-		-			-						

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J034	114	SPIRE SpStimFlanTemp(N)	I+	SCA-	041SS-38	S244	HSFPU	121100	P021	010		
211121	J034	104	SPIRE SpStimFlanTemp(N)	I-	SCA-	041SS-38	S244	HSFPU	121100	P021	029		
211121	J034	113	SPIRE SpStimFlanTemp(N)	V+	SCA-	041SS-38	S244	HSFPU	121100	P021	011		
211121	J034	103	SPIRE SpStimFlanTemp(N)	V-	SCA-	041SS-38	S244	HSFPU	121100	P021	028		
211121	J034	102	SPIRE SpStimFlanTemp(N)	SHD44	SCA-	041SS-38	S244	HSFPU	121100	P021	030		
211121	J034	102	to be con to pin 121	-			-						
211121	J034	-		-			-						
211121	J034	035	SPIRE Spectr4%Heater (N)	I+A	SCB-	040B0-30	S245	HSFPU	121100	P021	014		
211121	J034	024	SPIRE Spectr4%Heater (N)	I+B	SCB-	040B0-30	S245	HSFPU	121100	P021	015		
211121	J034	034	SPIRE Spectr4%Heater (N)	I-A	SCB-	040B0-30	S245	HSFPU	121100	P021	033		
211121	J034	023	SPIRE Spectr4%Heater (N)	I-B	SCB-	040B0-30	S245	HSFPU	121100	P021	034		
211121	J034	-		-			-						
211121	J034	046	SPIRE Spectr2%Heater (N)	I+A	SCB-	040B0-30	S246	HSFPU	121100	P021	016		
211121	J034	058	SPIRE Spectr2%Heater (N)	I+B	SCB-	040B0-30	S246	HSFPU	121100	P021	017		
211121	J034	045	SPIRE Spectr2%Heater (N)	I-A	SCB-	040B0-30	S246	HSFPU	121100	P021	035		
211121	J034	057	SPIRE Spectr2%Heater (N)	I-B	SCB-	040B0-30	S246	HSFPU	121100	P021	036		
211121	J034	-		-			-						
211121	J034	089	SPIRE FilterTemp(N)	I+	STA-	041SS-38	S253	HSFPU	121100	P023	020		
211121	J034	100	SPIRE FilterTemp(N)	V+	STA-	041SS-38	S253	HSFPU	121100	P023	002		
211121	J034	099	SPIRE FilterTemp(N)	V-	STA-	041SS-38	S253	HSFPU	121100	P023	003		
211121	J034	088	SPIRE FilterTemp(N)	I-	STA-	041SS-38	S253	HSFPU	121100	P023	021		
211121	J034	101	SPIRE FilterTemp(N)	SHD53	STA-	041SS-38	S253	HSFPU	121100	P023	001		
211121	J034	-		-			-						
211121	J034	118	SPIRE SpectDetBoxTemp(N)	I+	STA-	041SS-38	S254	HSFPU	121100	P023	004		
211121	J034	125	SPIRE SpectDetBoxTemp(N)	V+	STA-	041SS-38	S254	HSFPU	121100	P023	023		
211121	J034	126	SPIRE SpectDetBoxTemp(N)	V-	STA-	041SS-38	S254	HSFPU	121100	P023	024		
211121	J034	119	SPIRE SpectDetBoxTemp(N)	I-	STA-	041SS-38	S254	HSFPU	121100	P023	005		
211121	J034	110	SPIRE SpectDetBoxTemp(N)	SHD54	STA-	041SS-38	S254	HSFPU	121100	P023	022		
211121	J034	110	to be con to pin 101	-			-						
211121	J034	-		-			-						
211121	J034	123	SPIRE PhotomDetBoxTmp(N)	I+	STA-	041SS-38	S255	HSFPU	121100	P023	025		

SIcode	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J034	116	SPIRE PhotomDetBoxTmp(N)	V+	STA-	041SS-38	S255	HSFPU	121100	P023	007		
211121	J034	117	SPIRE PhotomDetBoxTmp(N)	V-	STA-	041SS-38	S255	HSFPU	121100	P023	008		
211121	J034	124	SPIRE PhotomDetBoxTmp(N)	I-	STA-	041SS-38	S255	HSFPU	121100	P023	026		
211121	J034	108	SPIRE PhotomDetBoxTmp(N)	SHD55	STA-	041SS-38	S255	HSFPU	121100	P023	006		
211121	J034	108	to be con to pin 101	-			-						
211121	J034	-		-			-						
211121	J034	106	SPIRE OptSubbenchTmp(N)	I+	STA-	041SS-38	S256	HSFPU	121100	P023	009		
211121	J034	115	SPIRE OptSubbenchTmp(N)	I-	STA-	041SS-38	S256	HSFPU	121100	P023	010		
211121	J034	107	SPIRE OptSubbenchTmp(N)	V+	STA-	041SS-38	S256	HSFPU	121100	P023	028		
211121	J034	122	SPIRE OptSubbenchTmp(N)	V-	STA-	041SS-38	S256	HSFPU	121100	P023	029		
211121	J034	105	SPIRE OptSubbenchTmp(N)	SHD56	STA-	041SS-38	S256	HSFPU	121100	P023	027		
211121	J034	105	to be con to pin 101	-			-						
211121	J034	-		-			-						
211121	J034	097	SPIRE FPUInpBaffleTmp(N)	I+	STA-	041SS-38	S257	HSFPU	121100	P023	030		
211121	J034	086	SPIRE FPUInpBaffleTmp(N)	V+	STA-	041SS-38	S257	HSFPU	121100	P023	012		
211121	J034	087	SPIRE FPUInpBaffleTmp(N)	V-	STA-	041SS-38	S257	HSFPU	121100	P023	013		
211121	J034	098	SPIRE FPUInpBaffleTmp(N)	I-	STA-	041SS-38	S257	HSFPU	121100	P023	031		
211121	J034	109	SPIRE FPUInpBaffleTmp(N)	SHD57	STA-	041SS-38	S257	HSFPU	121100	P023	011		
211121	J034	109	to be con to pin 101	-			-						
211121	J034	-		-			-						
211121	J034	073	SPIRE BSM/SOB I/FTmp(N)	I+	STA-	041SS-38	S258	HSFPU	121100	P023	014		
211121	J034	084	SPIRE BSM/SOB I/FTmp(N)	I-	STA-	041SS-38	S258	HSFPU	121100	P023	015		
211121	J034	074	SPIRE BSM/SOB I/FTmp(N)	V+	STA-	041SS-38	S258	HSFPU	121100	P023	033		
211121	J034	085	SPIRE BSM/SOB I/FTmp(N)	V-	STA-	041SS-38	S258	HSFPU	121100	P023	034		
211121	J034	096	SPIRE BSM/SOB I/FTmp(N)	SHD58	STA-	041SS-38	S258	HSFPU	121100	P023	032		
211121	J034	096	to be con to pin 101	-			-						
211121	J034	-		-			-						
211121	J034	079	SPIRE PTC Htr(N)	I+A	STB-	041BS-30	S259	HSFPU	121100	P023	017		
211121	J034	078	SPIRE PTC Htr(N)	I+B	STB-	041BS-30	S259	HSFPU	121100	P023	018		
211121	J034	068	SPIRE PTC Htr(N)	I-A	STB-	041BS-30	S259	HSFPU	121100	P023	036		
211121	J034	067	SPIRE PTC Htr(N)	I-B	STB-	041BS-30	S259	HSFPU	121100	P023	037		

SI Code	SCon	SPin	EFunDsg	EFunApp	LCode2	CableT	LCode5	TItem	TICode	TCon	TPin	R [Ω]	
211121	J034	090	SPIRE PTC Htr(N)	SHD59	STB-	041BS-30	S259	HSFPU	121100	P023	035		
211121	J034	-		-			-						
211121	J034	001	to be con as part of FCR	-			-						
211121	J034	002	to be con as part of FCR	-			-						
211121	J034	003	to be con as part of FCR	-			-						
211121	J034	004	to be con as part of FCR	-			-						
211121	J034	007	to be con as part of FCR	-			-						
211121	J034	008	to be con as part of FCR	-			-						
211121	J034	014	to be con as part of FCR	-			-						
211121	J034	015	to be con as part of FCR	-			-						
211121	J034	025	to be con as part of FCR	-			-						
211121	J034	036	to be con as part of FCR	-			-						
211121	J034	047	to be con as part of FCR	-			-						
211121	J034	059	to be con as part of FCR	-			-						
211121	J034	070	to be con as part of FCR	-			-						
211121	J034	082	to be con as part of FCR	-			-						
211121	J034	094	to be con as part of FCR	-			-						
211121	J034	127	to be con as part of FCR	-			-						
211121	J034	-		-			-						
211121	J034	-	CH to be isolated from FCR	-			-						
211121	J034	-		-			-						
211121	J034	004	SPIRE FPU FC Faraday	SFF	SFF-	010B0-30	S249	HSFPU	121100	P019	CH		
211121	J034	047	SPIRE FPU FSS Faraday	SFF	SFF-	010B0-30	S251	HSFPU	121100	P021	CH		
211121	J034	094	SPIRE FPU TP Faraday	SFF	SFF-	010B0-30	S250	HSFPU	121100	P023	CH		
Date:			Name:	SPIRE:			ESA:						

Annex 3

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Background

Problem

- FPU Faraday Shield should have galvanic isolation from S/C except at DCU/FCU
- Detector Analogue Ground should be isolated from FPU and S/C except at DCU/FCU

Verifications made prior to test

- Isolation of SPIRE FPU from OBA verified during during electrical integration of the instrument at FN (Ref; HP-2-ASED-SD-XX)
- Isolation of SIH-CS Faraday shield wires from OBA verified prior to mating with SPIRE
- CQM Electrical IF Checkout 2216 Issue 8 (23/05/06) indicated that the PLW Grounding and FPU Isolation was OK

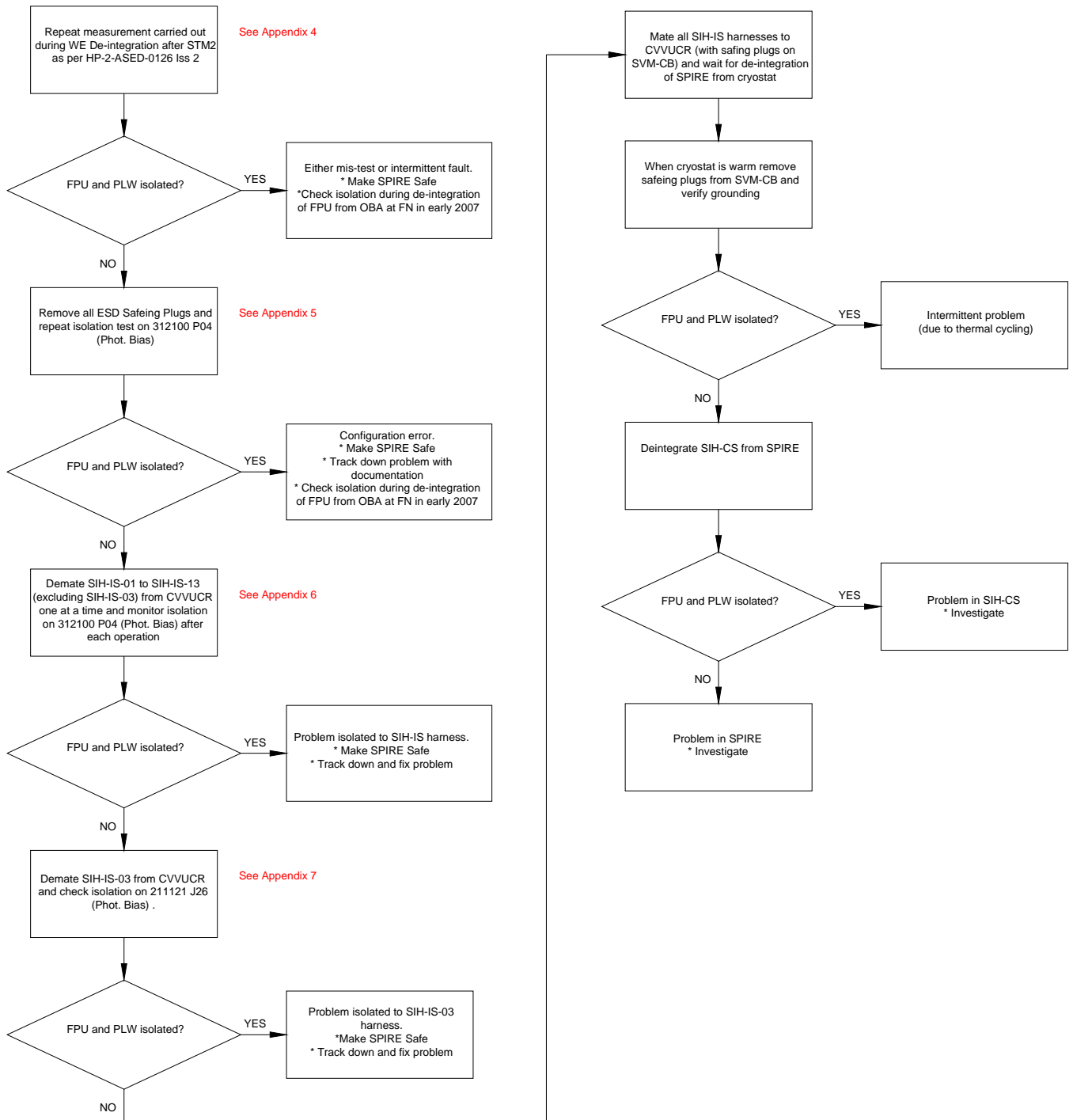
Review of SPIRE NCRs

- HR-SP-RAL-NCR-082 - Electrical Short on Cooler Strap
 - Closed with the improved gluing procedure – but CQM has old procedure
- HR-SP-RAL-NCR-083 - Electrical Short on Photometer Detector Box Feet
 - Closed. No longer use Kapton
- HR-SP-RAL-NCR-125 – Heat shrink cracks during thermal cycling.
- HR-SP-RAL-NCR-096 - L1 electrical short
 - Opened during incoming inspection for EQM tests
 - Intermittent fault – not properly resolved
- HR-SP-RAL-NCR-092v2 - SPIRE EQM Electrical Interface Bench Test Anomalies
 - Closed

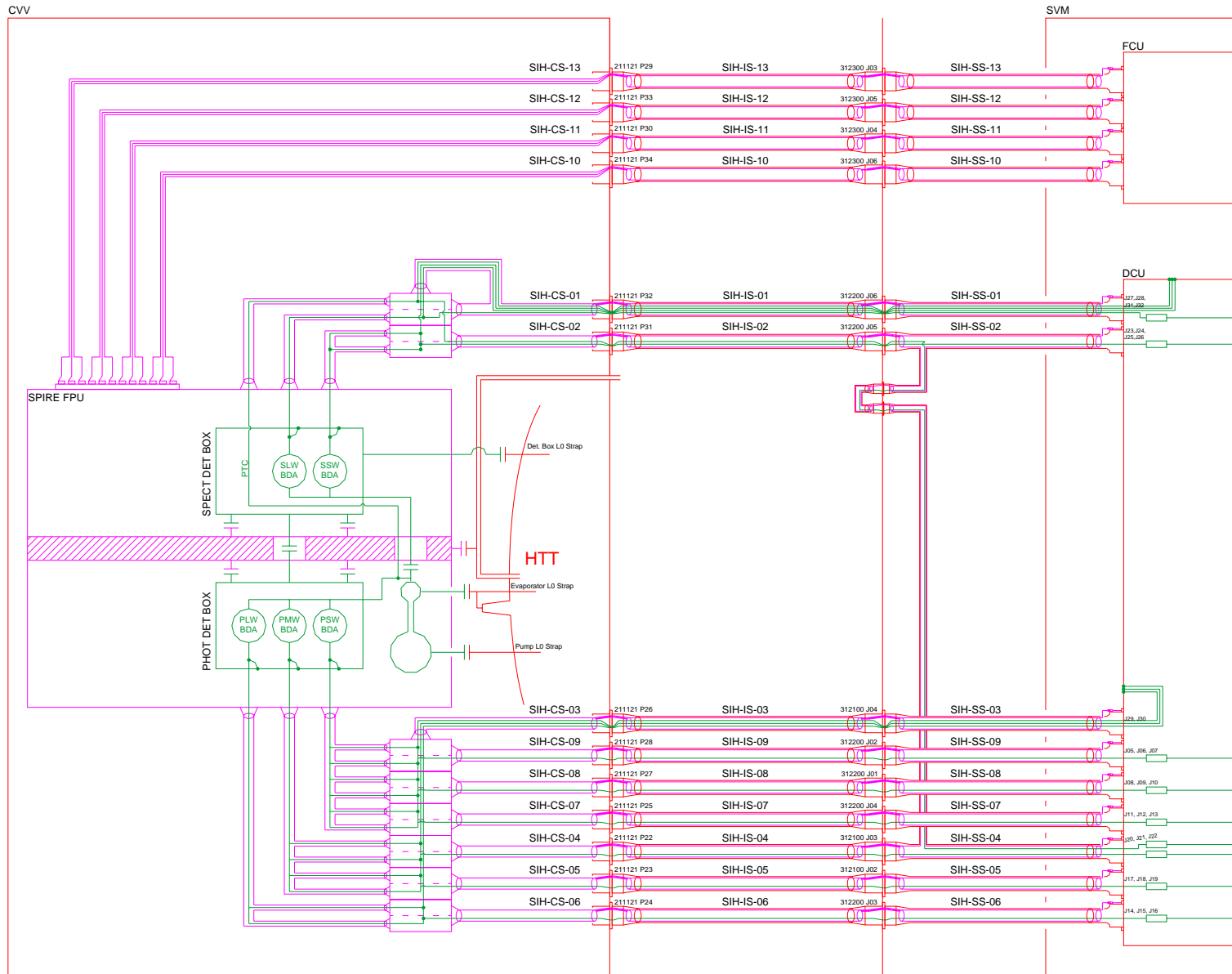
Drawings Comments

- **RED** indicates S/C (i.e. CVV, OBA, SVM, cryoharness Outer Overall Shield etc.)
- **PINK** indicates the FPU Faraday Shield Pins.
- **GREEN** indicates analogue detector ground. The Photometer and the Spectrometer grounds are separated in the cold end and are commoned to a star point in the DCU
- Configurations shown include the nominal PFM, the nominal STM2 and proposed tests

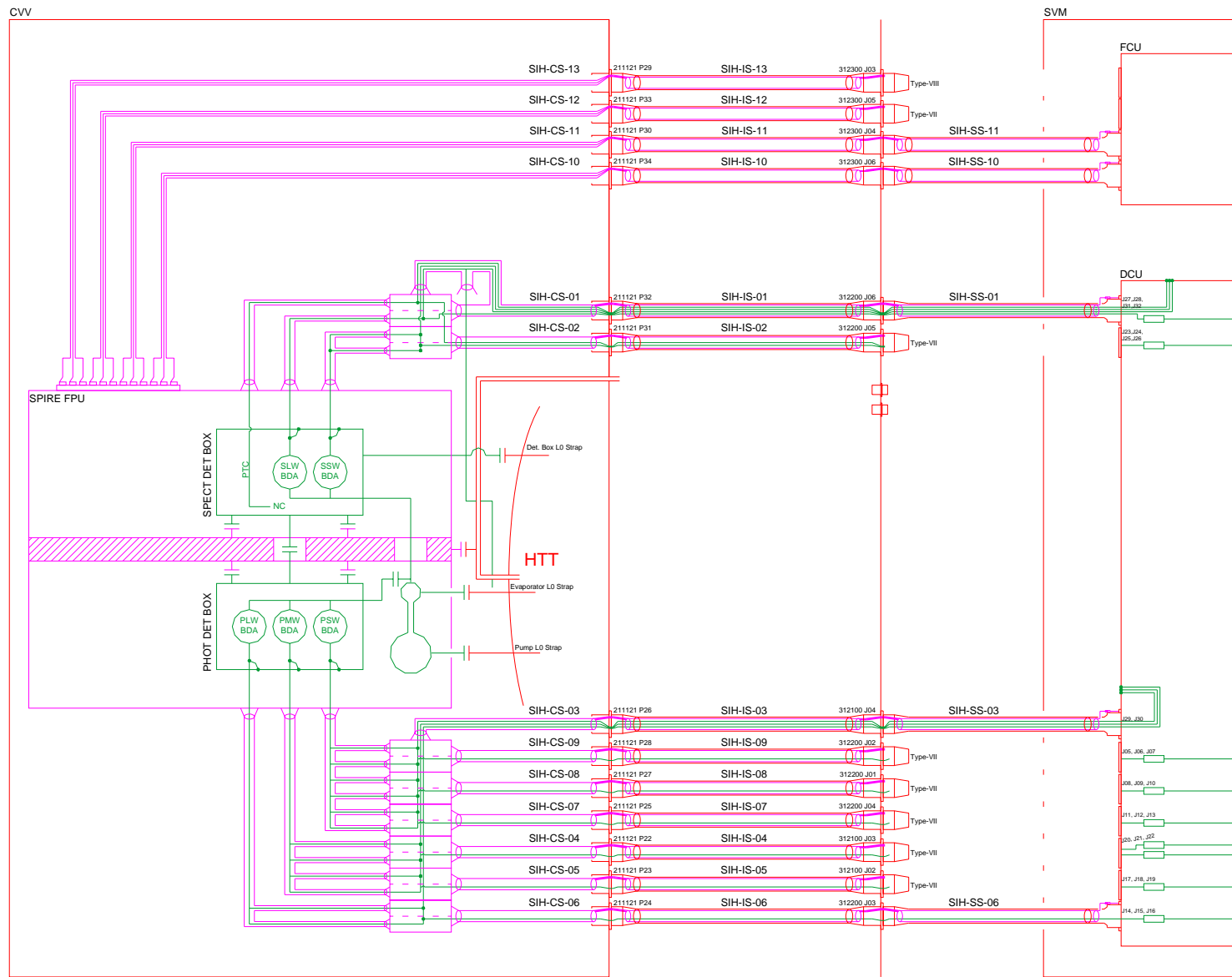
Appendix 1 – SPIRE NCR-163 Proposal



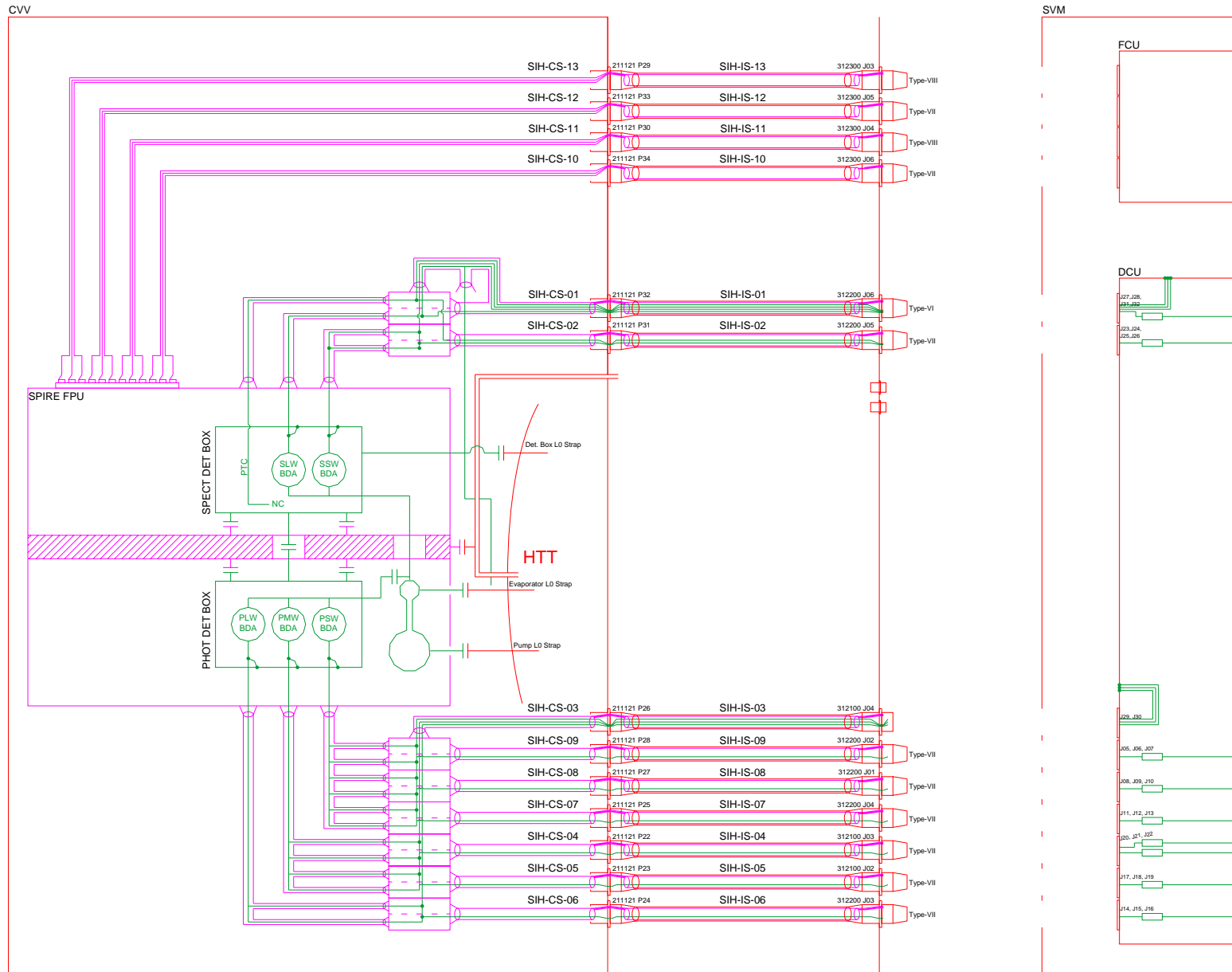
Appendix 2 – Nominal PFM Grounding Diagram



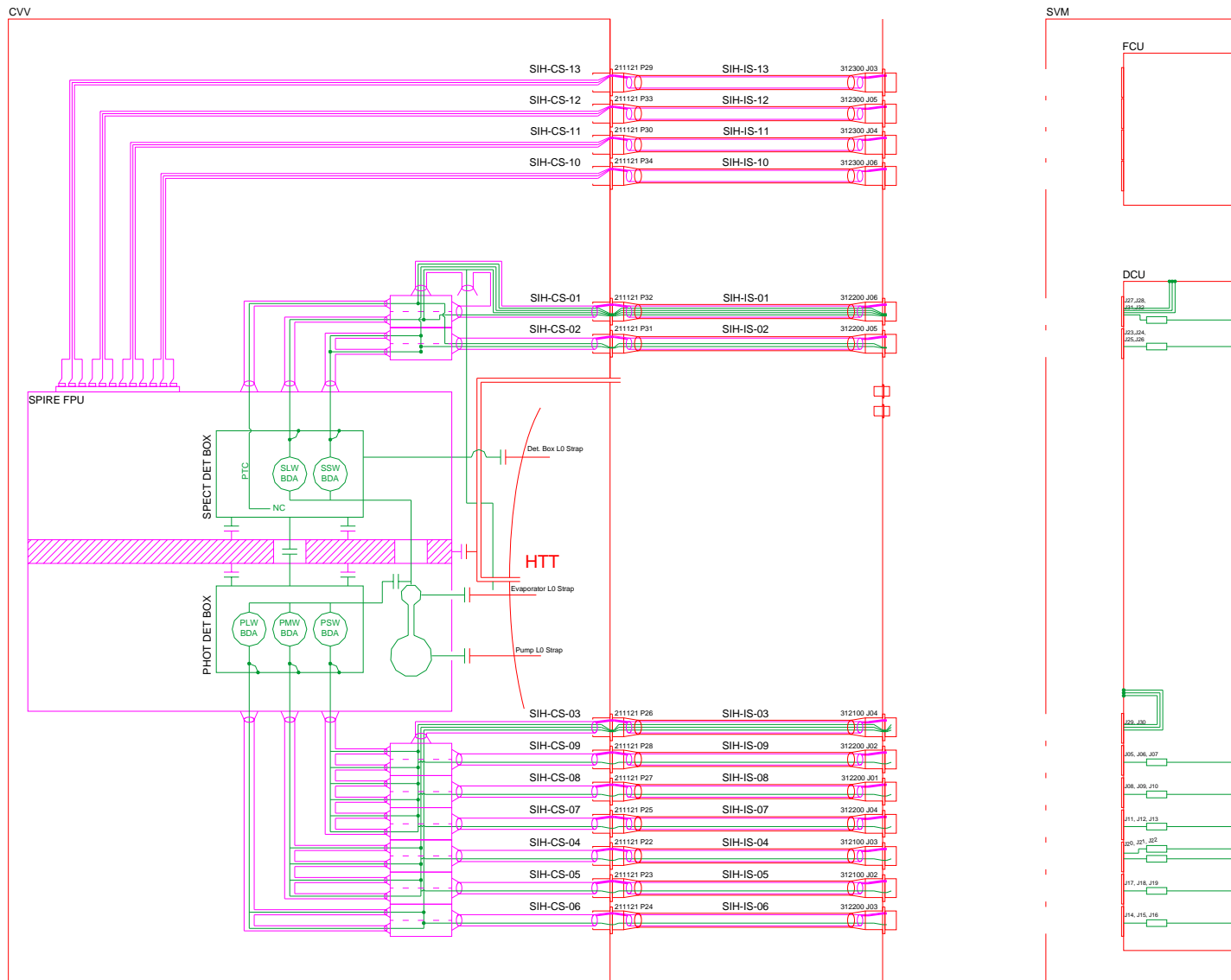
Appendix 3 – Nominal STM2 Grounding Diagram



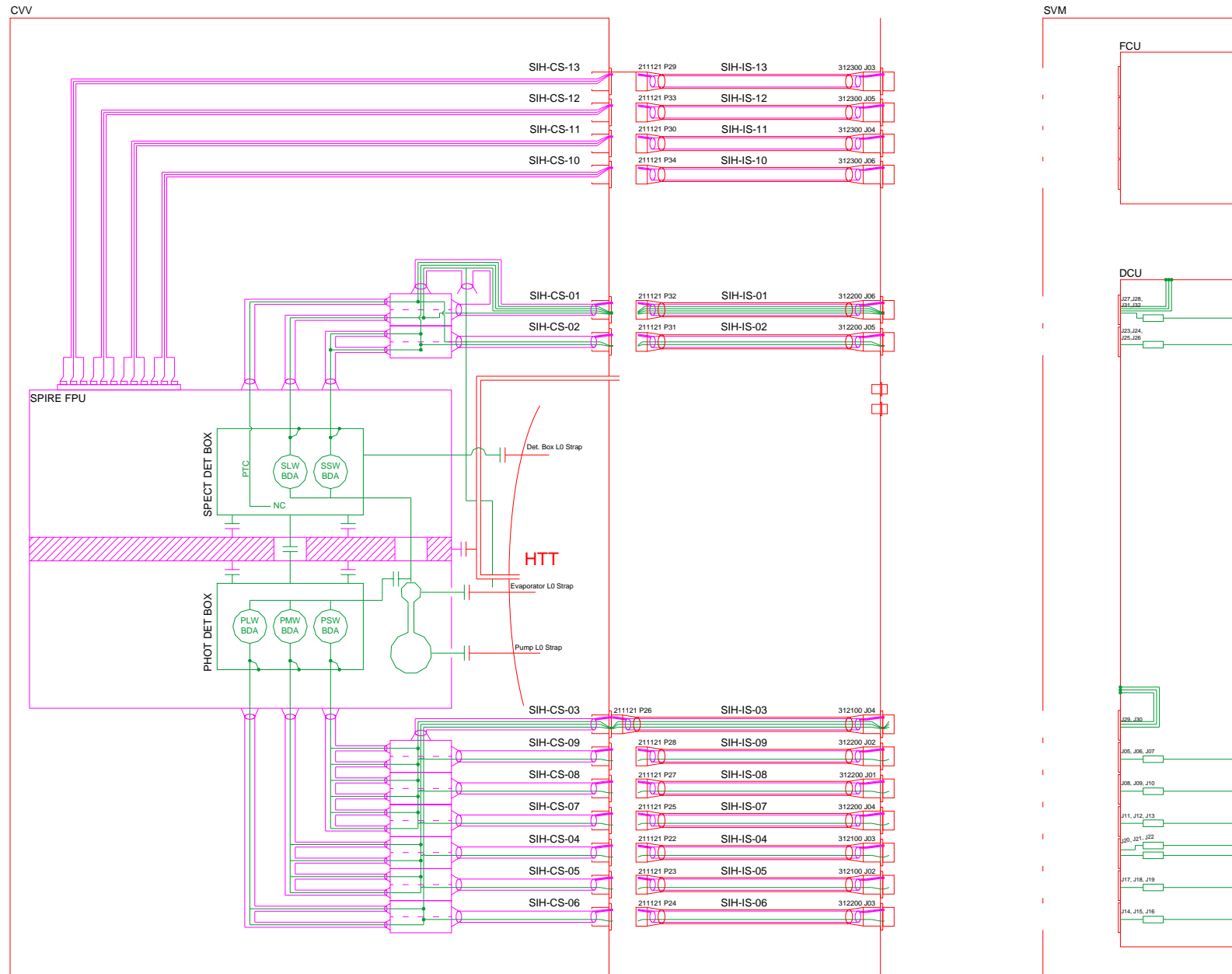
Appendix 4 – Nominal STM2 Grounding Diagram during Grounding Verification



Appendix 5 – Nominal STM2 Grounding Diagram for NCR-163 Investigation (Stage 2)



Appendix 6 – Nominal STM2 Grounding Diagram for NCR-163 Investigation (Stage 3)



Appendix 7 – Nominal STM2 Grounding Diagram for NCR-163 Investigation (Stage 4)

