

Checklist of SPS EB_HSRCS

1553 Connectors

SL NO	PINS	Expected	OBSERVED							
			PRIME CH1A		PRIME CH2A		RED CH1A		RED CH2A	
			ISRC	FSRC	ISRC	FSRC	ISRC	FSRC	ISRC	FSRC
1	Low wrt chassis	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ
2	High wrt chassis	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ	>100MΩ
3	Shield to chassis	<100mΩ	30mΩ	80 mΩ	28mΩ	82 mΩ	26mΩ	88 mΩ	22mΩ	88 mΩ

SPS EB – HSRCS

Note: Give SEQ HC RESET (CIP 42 wrt 43) and DAC HC RESET (CIR 42 wrt 43) Command before measurement.

SI No	Pin Details	Description	Spec	Results(Ω)	
				ISRC	FSRC
1	CIP-26 w.r.to CIP-27	DAC 0 (P)	<100mΩ	4mΩ	5mΩ
2	CIP-28 w.r.to CIP-29	DAC 9 (P)	<100mΩ	9mΩ	5mΩ
3	CIP-30 w.r.to CIP-31	DAC 8 (P)	<100mΩ	6mΩ	5mΩ
4	CIP-32 w.r.to CIP-33	DAC 4 (P)	<100mΩ	6mΩ	5mΩ
5	CIP-34 w.r.to CIP-35	DAC 5 (P)	<100mΩ	3mΩ	4mΩ
6	CIP-36 w.r.to CIP-37	DAC 2 (P)	<100mΩ	3mΩ	4mΩ
7	CIP-38 w.r.to CIP-39	DAC 1 (P)	<100mΩ	6mΩ	4mΩ
8	CIR-26 w.r.to CIR-27	DAC 0 (R)	<100mΩ	10mΩ	6mΩ
9	CIR-28 w.r.to CIR-29	DAC 9 (R)	<100mΩ	14mΩ	27mΩ
10	CIR-30 w.r.to CIR-31	DAC 8 (R)	<100mΩ	7mΩ	5mΩ
11	CIR-32 w.r.to CIR-33	DAC 4 (R)	<100mΩ	7mΩ	10mΩ
12	CIR-34 w.r.to CIR-35	DAC 5 (R)	<100mΩ	26mΩ	5mΩ

13	CIR-36 w.r.to CIR-37	DAC 2 (R)	<100mΩ	7mΩ	4mΩ
14	CIR-38 w.r.to CIR-39	DAC 1 (R)	<100mΩ	8mΩ	5mΩ
15	CIP-49 w.r.to CIP-50	DAC RTN	<100mΩ	6mΩ	4mΩ
16	CIP-49 w.r.to CIR-49		<100mΩ	19mΩ	23mΩ
17	CIP-49 w.r.to CIR-50		<100mΩ	20mΩ	22mΩ
18	CIP-49 w.r.to CTRL_OP-7		<100mΩ	30mΩ	29mΩ
19	CIP-49 w.r.to CTRL_OP-8		<100mΩ	31mΩ	30mΩ
20	CIP-49 w.r.to CTRL_OP-15		<100mΩ	28mΩ	28mΩ
21	CIP-49 w.r.to CTRL_OP-16		<100mΩ	31mΩ	28mΩ
22	CIP-49 w.r.to CTRL_OP-23		<100mΩ	32mΩ	30mΩ
23	CIP-49 w.r.to CTRL_OP-24		<100mΩ	32mΩ	30mΩ
24	CIP-49 w.r.to CTRL_OP-31		<100mΩ	28mΩ	28mΩ
25	CIP-49 w.r.to CTRL_OP-32		<100mΩ	28mΩ	28mΩ
26	CIP-49 w.r.to CTRL_OP-35		<100mΩ	29mΩ	30mΩ
27	CIP-49 w.r.to CTRL_OP-36		<100mΩ	28mΩ	29mΩ
28	CIP-49 w.r.to CTRL_OP-39		<100mΩ	31mΩ	29mΩ
29	CIP-49 w.r.to CTRL_OP-40		<100mΩ	31mΩ	29mΩ
30	CIP-49 w.r.to CTRL_OP-43		<100mΩ	25mΩ	28mΩ
31	CIP-49 w.r.to CTRL_OP-44		<100mΩ	30mΩ	29mΩ
32	CIP-5 w.r.to CIR-5	DAC H/C P & R	1.96kΩ to 2.04kΩ	2.004kΩ	2.006kΩ
33	PO-30 w.r.to PO-19	5V Ins& DAC H/C-P STS	1.007kΩ to 1.113kΩ	1.063kΩ	1.072kΩ
34	PO-19 w.r.to PO-20	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.006kΩ	2.006kΩ
35	PO-19 w.r.to PO-21	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.007kΩ	2.007kΩ
36	PO-20 w.r.to PO-21	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.005kΩ	2.005kΩ
37	PO-30 w.r.to PO-16	5V INS & DAC H/C INH STS	1.007kΩ to 1.113kΩ	1.059kΩ	1.067kΩ
38	PO-16 w.r.to PO-17	DAC H/C INH STS	1.96kΩ to 2.04kΩ	2.003kΩ	2.003kΩ
39	PO-16 w.r.to PO-18	DAC H/C INH STS	1.96kΩ to 2.04kΩ	2.000kΩ	2.000kΩ
40	PO-17 w.r.to PO-18	DAC H/C INH STS	1.96kΩ to 2.04kΩ	2.003kΩ	2.003kΩ

41	PO-30 w.r.to RO-19	5V INS & DAC H/C-R STS	1.007kΩ to 1.113kΩ	1.060kΩ	1.068kΩ
42	RO-19 w.r.to RO-20	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
43	RO-19 w.r.to RO-21	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
44	RO-20 w.r.to RO-21	DAC H/C – P STS	1.96kΩ to 2.04kΩ	2.003kΩ	2.003kΩ
45	CTRL_OP-1 w.r.to CTRL_OP-2	PS4 DAPC 1	<100mΩ	30mΩ	29mΩ
46	CIP-27 w.r.to CTRL_OP-1	PS4 DAPC 1	<300mΩ	247mΩ	244mΩ
47	CIP-27 w.r.to CTRL_OP-2	PS4 DAPC 1	<300mΩ	245mΩ	242mΩ
48	CTRL_OP-9 w.r.to CTRL_OP-10	PS2 EGCP P+ Y- (DAC9)	9.212kΩ to 9.588kΩ	9.457kΩ	9.457kΩ
49	CTRL_OP-9 w.r.to CTRL_OP-11	PS2 EGCP P+ Y- (DAC9)	9.212kΩ to 9.588kΩ	9.441kΩ	9.441kΩ
50	CTRL_OP-9 w.r.to CTRL_OP-12	PS2 EGCP P+ Y- (DAC9)	9.212kΩ to 9.588kΩ	9.449kΩ	9.449kΩ
51	CTRL_OP-9 w.r.to CTRL_OP-13	PS2 EGCP P+ Y- (DAC9)	9.212kΩ to 9.588kΩ	9.446kΩ	9.446kΩ
52	CTRL_OP-9 w.r.to CTRL_OP-14	PS2 EGCP P+ Y- (DAC9)	9.212kΩ to 9.588kΩ	9.460kΩ	9.460kΩ
53	CIP-29 w.r.to CTRL_OP-9	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.726kΩ	4.726kΩ
54	CIP-29 w.r.to CTRL_OP-10	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.732kΩ	4.732kΩ
55	CIP-29 w.r.to CTRL_OP-11	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.715kΩ	4.715kΩ
56	CIP-29 w.r.to CTRL_OP-12	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.724kΩ	4.724kΩ
57	CIP-29 w.r.to CTRL_OP-13	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.721kΩ	4.721kΩ
58	CIP-29 w.r.to CTRL_OP-14	PS2 EGCP P+ Y- (DAC9)	4.606kΩ to 4.794kΩ	4.735kΩ	4.735kΩ
59	CTRL_OP-17 w.r.to CTRL_OP-18	PS2 EGCP P+ Y+ (DAC8)	9.212kΩ to 9.588kΩ	9.431kΩ	9.431kΩ
60	CTRL_OP-17 w.r.to CTRL_OP-19	PS2 EGCP P+ Y+ (DAC8)	9.212kΩ to 9.588kΩ	9.427kΩ	9.427kΩ
61	CTRL_OP-17 w.r.to CTRL_OP-20	PS2 EGCP P+ Y+ (DAC8)	9.212kΩ to 9.588kΩ	9.418kΩ	9.418kΩ
62	CTRL_OP-17 w.r.to CTRL_OP-21	PS2 EGCP P+ Y+ (DAC8)	9.212kΩ to 9.588kΩ	9.422kΩ	9.422kΩ
63	CTRL_OP-17 w.r.to CTRL_OP-22	PS2 EGCP P+ Y+ (DAC8)	9.212kΩ to 9.588kΩ	9.417kΩ	9.417kΩ
64	CIP-31 w.r.to CTRL_OP-17	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.710kΩ	4.710kΩ
65	CIP-31 w.r.to CTRL_OP-18	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.722kΩ	4.722kΩ
66	CIP-31 w.r.to CTRL_OP-19	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.718kΩ	4.717kΩ
67	CIP-31 w.r.to CTRL_OP-20	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.709kΩ	4.709kΩ
68	CIP-31 w.r.to CTRL_OP-21	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.712kΩ	4.712kΩ

69	CIP-31 w.r.to CTRL_OP-22	PS2 EGCP P+ Y+ (DAC8)	4.606kΩ to 4.794kΩ	4.708kΩ	4.708kΩ
70	CTRL_OP-37 w.r.to CTRL_OP-38	PS4 DAPC3 (DAC2)	<100mΩ	23mΩ	22mΩ
71	CIP-36 w.r.to CTRL_OP-37	PS4 DAPC3 (DAC2)	<400mΩ	290mΩ	285mΩ
72	CTRL_OP-41 w.r.to CTRL_OP-42	PS4 DAPC3 (DAC2)	<100mΩ	23mΩ	20mΩ
73	CIP-39 w.r.to CTRL_OP-41	PS4 DAPC3 (DAC2)	<400mΩ	328mΩ	324mΩ
74	CIR-42 w.r.to CIR-43	H/C_RESET HIGH & H/C_RESET LOW FOR DAC	405Ω to 495Ω	451.679Ω	447.032 Ω
75	CIR-44 w.r.to CIR-45	H/C_INHIBIT HIGH & H/C_INHIBIT LOW FOR DAC	810Ω to 990Ω	957.128Ω	947.017 Ω
76	CIP-1 w.r.to CIR-1	SEQ H/C - P & R	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
77	PO-30 w.r.to RO-30	5V INST LIVE	<150mΩ	103mΩ	100mΩ
78	PO-44 w.r.to RO-44	5V INST RTN	<100mΩ	44mΩ	44mΩ
79	CIP-2 w.r.to CIP-6	5V RTN P	<100mΩ	10mΩ	8mΩ
80	CIP-2 w.r.to CIR-2	5V RTN P & R	<300mΩ	201mΩ	196mΩ
81	CIP-2 w.r.to CIR-6	5V RTN P & R	<300mΩ	198mΩ	194mΩ
82	CIP-2 w.r.to PWR-P-11	5V RTN & 28V RTN-P	<120mΩ	95mΩ	89mΩ
83	PWR-P-3 w.r.to PWR-P-4	28V (P)	<100mΩ	10mΩ	6mΩ
84	PWR-R-3 w.r.to PWR-R-4	28V (R)	<100mΩ	7mΩ	8mΩ
85	PWR-P-11 w.r.to PWR-P-12	28V RTN P	<100mΩ	10mΩ	8mΩ
86	PWR-P-11 w.r.to PWR-R-11	28V RTN P & R	<100mΩ	23mΩ	19mΩ
87	PWR-R-11 w.r.to PWR-R-12	28V RTN R	<100mΩ	7mΩ	6mΩ
88	PO-30 w.r.to PO-22	5V Ins& SEQ H/C INH STS	1.007kΩ to 1.113kΩ	1.060kΩ	1.069kΩ
89	PO-22 w.r.to PO-23	SEQ H/C INH STS	1.96kΩ to 2.04kΩ	2.003kΩ	2.003kΩ
90	PO-22 w.r.to PO-24	SEQ H/C INH STS	1.96kΩ to 2.04kΩ	2.004kΩ	2.004kΩ
91	PO-23 w.r.to PO-24	SEQ H/C INH STS	1.96kΩ to 2.04kΩ	2.005kΩ	2.005kΩ
92	PO-41 w.r.to PO-42	ANA DBA (P)	4.312kΩ to 4.488kΩ	4.409kΩ	4.408kΩ
93	PO-41 w.r.to PO-43	ANA & SERIAL DBA (P)	4.312kΩ to 4.488kΩ	4.405kΩ	4.405kΩ
94	PO-42 w.r.to PO-43	ANA & SERIAL DBA (P)	4.312kΩ to 4.488kΩ	4.411kΩ	4.411kΩ
95	RO-41 w.r.to RO-42	ANA DBA(R)	4.312kΩ to 4.488kΩ	4.408kΩ	4.407kΩ
96	RO-41 w.r.to RO-43	ANA & SERIAL DBA(R)	4.312kΩ to 4.488kΩ	4.406kΩ	4.405kΩ

97	RO-42 w.r.to RO-43	ANA & SERIAL DBA(R)	4.312kΩ to 4.488kΩ	4.407kΩ	4.406kΩ
98	PO-30 w.r.to RO-25	5V INS & SEQ H/C STS (R)	1.007kΩ to 1.113kΩ	1.059kΩ	1.068kΩ
99	RO-25 w.r.to RO-26	SEQ H/C STS (R)	1.96kΩ to 2.04kΩ	2.003kΩ	2.003kΩ
100	RO-25 w.r.to RO-27	SEQ H/C STS (R)	1.96kΩ to 2.04kΩ	2.002kΩ	2.003kΩ
101	RO-26 w.r.to RO-27	SEQ H/C STS (R)	1.96kΩ to 2.04kΩ	2.004kΩ	2.004kΩ
102	CIP-3 w.r.to CIP-4	EP (P)	<100mΩ	46mΩ	41mΩ
103	CIR-3 w.r.to CIR-4	EP (R)	<100mΩ	10mΩ	6mΩ
104	PO-28 w.r.to PO-29	DAU-II T/M1& DAU-II T/M2	4.312kΩ to 4.488kΩ	4.409kΩ	4.408kΩ
105	PWR-P-11 w.r.to PO-28	28V Rtn (P) & DAU-II T/M1	2.156kΩ to 2.244kΩ	2.202kΩ	2.202kΩ
106	PWR-P-11 w.r.to PO-29	28V Rtn (P) & DAU-II T/M2	2.156kΩ to 2.244kΩ	2.207kΩ	2.207kΩ
107	RO-28 w.r.to RO-29	DAU-II T/M1& DAU-II T/M2	4.312kΩ to 4.488kΩ	4.411kΩ	4.410kΩ
108	PWR-R-11 w.r.to RO-28	28V Rtn (R) & DAU-II T/M1	2.156kΩ to 2.244kΩ	2.204kΩ	2.204kΩ
109	PWR-R-11 w.r.to RO-29	28V Rtn (R) & DAU-II T/M2	2.156kΩ to 2.244kΩ	2.207kΩ	2.206kΩ
110	PO-30 w.r.to PO-25	5V Inst& Seq HC sts (P)	1.007kΩ to 1.113kΩ	1.060kΩ	1.068kΩ
111	PO-25 w.r.to PO-26	Seq HC sts (P)	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
112	PO-25 w.r.to PO-27	Seq HC sts (P)	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
113	PO-26 w.r.to PO-27	Seq HC sts (P)	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
114	PWR-P-11 w.r.to PWR-P-13	28V RTN & ANA RTN-P	<100mΩ	18mΩ	17mΩ
115	PWR-P-3 w.r.to PWR-R-3	Oring diode checks	111.72kΩ to 116.28kΩ	113.999kΩ	114.055kΩ
116	PWR-R-3 w.r.to PWR-P-3	Oring diode checks	111.72kΩ to 116.28kΩ	113.891kΩ	113.979kΩ
117	CIP-42 w.r.to CIP-43	H/C_RESET HIGH & H/C_RESET LOW FOR SEQ	405Ω to 495Ω	456.984Ω	452.147 Ω
118	CIP-44 w.r.to CIP-45	H/C_INHIBIT HIGH & H/C_INHIBIT LOW FOR SEQ	810Ω to 990Ω	941.077Ω	930.808 Ω
119	CIP-3 w.r.to PWR-P-11	EP (P) & GND	<600mΩ	557mΩ	548mΩ
120	CIR-3 w.r.to PWR-R-11	EP (R) & GND	<600mΩ	567mΩ	561mΩ
121	CIP-7 w.r.to CIP-8	RCS 0 (P)	<100mΩ	6mΩ	5mΩ
122	CIP-9 w.r.to CIP-10	RCS 1 (P)	<100mΩ	11mΩ	6mΩ
123	CIP-11 w.r.to CIP-12	RCS 2 (P)	<100mΩ	9mΩ	6mΩ

124	CIP-13 w.r.to CIP-14	RCS 3 (P)	<100mΩ	11mΩ	7mΩ
125	CIP-15 w.r.to CIP-16	RCS 4 (P)	<100mΩ	8mΩ	6mΩ
126	CIP-17 w.r.to CIP-18	RCS 5 (P)	<150mΩ	102mΩ	99mΩ
127	CIP-19 w.r.to CIP-20	RCS 6 (P)	<100mΩ	10mΩ	4mΩ
128	CIP-21 w.r.to CIP-22	RCS 7 (P)	<100mΩ	7mΩ	5mΩ
129	CIR-7 w.r.to CIR-8	RCS 0 (R)	<100mΩ	11mΩ	8mΩ
130	CIR-9 w.r.to CIR-10	RCS 1 (R)	<100mΩ	9mΩ	9mΩ
131	CIR-11 w.r.to CIR-12	RCS 2 (R)	<100mΩ	6mΩ	5mΩ
132	CIR-13 w.r.to CIR-14	RCS 3 (R)	<100mΩ	9mΩ	6mΩ
133	CIR-15 w.r.to CIR-16	RCS 4 (R)	<100mΩ	6mΩ	94mΩ
134	CIR-17 w.r.to CIR-18	RCS 5 (R)	<150mΩ	80mΩ	85mΩ
135	CIR-19 w.r.to CIR-20	RCS 6 (R)	<100mΩ	5mΩ	4mΩ
136	CIR-21 w.r.to CIR-22	RCS 7 (R)	<100mΩ	10mΩ	5mΩ
137	PO-30 w.r.to RO-16	5V INS & RCS INH MON	1.007kΩ to 1.113kΩ	1.063kΩ	1.071kΩ
138	RO-16 w.r.to RO-17	RCS INH MON	1.96kΩ to 2.04kΩ	2.005kΩ	2.005kΩ
139	RO-16 w.r.to RO-18	RCS INH MON	1.96kΩ to 2.04kΩ	2.005kΩ	2.005kΩ
140	RO-17 w.r.to RO-18	RCS INH MON	1.96kΩ to 2.04kΩ	2.002kΩ	2.002kΩ
141	PWR-P-5 w.r.to PWR-P-6	+15V (P)	<100mΩ	8mΩ	6mΩ
142	PWR-P-7 w.r.to PWR-P-8	-15V (P)	<100mΩ	9mΩ	7mΩ
143	PWR-R-5 w.r.to PWR-R-6	+15V (R)	<100mΩ	15mΩ	9mΩ
144	PWR-R-7 w.r.to PWR-R-8	-15V (R)	<100mΩ	11mΩ	9mΩ
145	PWR-R-13 w.r.to CIR-46	ANA RTN (R)	<100mΩ	14mΩ	11mΩ
146	PWR-P-13 w.r.to CIP-46	ANA RTN (P)	<100mΩ	14mΩ	14mΩ
147	PO-40 w.r.to PWR-P-11	28V (P) MON & GND	9.8kΩ to 10.2kΩ	10.010kΩ	10.020kΩ
148	RO-40 w.r.to PWR-R-11	28V (R) MON & GND	9.8kΩ to 10.2kΩ	10.011kΩ	10.027kΩ
149	PWR-P-3 w.r.to PO-40	28V (P) & 28V (P) MON	46.06kΩ to 47.94kΩ	46.983kΩ	46.992kΩ
150	PWR-R-3 w.r.to RO-40	28V (P) & 28V (P) MON	46.06kΩ to 47.94kΩ	47.007kΩ	47.041kΩ
151	CIP-24 w.r.to CIP-25	RCS INHIBIT HIGH & RCS INHIBIT LOW	405Ω to 495Ω	468.435Ω	463.125 Ω

152	PWR-P-14 w.r.to PWR-P-15	RCS RET	<100mΩ	11mΩ	8mΩ
153	PWR-P-14 w.r.to PWR-R-14	RCS RET	<100mΩ	18mΩ	16mΩ
154	PWR-P-14 w.r.to PWR-R-15	RCS RET	<100mΩ	19mΩ	15mΩ
155	PWR-P-13 w.r.to PWR-R-13	ANA RTN P & R	<100mΩ	40mΩ	37mΩ
156	PO-1 w.r.to PO-2	RCS4/1-MMH	<100mΩ	37mΩ	36mΩ
157	PO-1 w.r.to PO-3	RCS4/1-MMH	<100mΩ	39mΩ	37mΩ
158	PO-1 w.r.to PO-4	RCS4/1-MMH	<100mΩ	38mΩ	37mΩ
159	RO-1 w.r.to RO-2	RCS4/1-MON	<100mΩ	29mΩ	32mΩ
160	RO-1 w.r.to RO-3	RCS4/1-MON	<100mΩ	30mΩ	32mΩ
161	RO-1 w.r.to RO-4	RCS4/1-MON	<100mΩ	35mΩ	33mΩ
162	PO-5 w.r.to PO-6	RCS4/2-MMH	<100mΩ	37mΩ	35mΩ
163	PO-5 w.r.to PO-7	RCS4/2-MMH	<100mΩ	37mΩ	35mΩ
164	PO-5 w.r.to PO-8	RCS4/2-MMH	<100mΩ	37mΩ	35mΩ
165	RO-5 w.r.to RO-6	RCS4/2-MON	<100mΩ	33mΩ	32mΩ
166	RO-5 w.r.to RO-7	RCS4/2-MON	<100mΩ	33mΩ	32mΩ
167	RO-5 w.r.to RO-8	RCS4/2-MON	<100mΩ	34mΩ	32mΩ
168	MON_OP-1 w.r.to PWR-P-15	RCS4/1MMH mon &Rtn	3.24kΩ to 3.36kΩ	3.305kΩ	3.305kΩ
169	MON_OP-1 w.r.to PO-1	RCS4/1MMH & MON	19.6kΩ to 20.4kΩ	20.047kΩ	20.053kΩ
170	MON_OP-2 w.r.to PWR-P-15	RCS4/1MON mon &Rtn	3.24kΩ to 3.36kΩ	3.303kΩ	3.303kΩ
171	MON_OP-2 w.r.to RO-1	RCS4/1MON & mon	19.6kΩ to 20.4kΩ	20.044kΩ	20.050kΩ
172	MON_OP-3 w.r.to PWR-P-15	RCS4/2MMH mon&Rtn	3.24kΩ to 3.36kΩ	3.303kΩ	3.303kΩ
173	MON_OP-3 w.r.to PO-5	RCS4/2MMH & mon	19.6kΩ to 20.4kΩ	20.035kΩ	20.039kΩ
174	MON_OP-4 w.r.to PWR-P-15	RCS4/2- MON mon&Rtn	3.24kΩ to 3.36kΩ	3.302kΩ	3.302kΩ
175	MON_OP-4 w.r.to RO-5	RCS4/2-MON &mont	19.6kΩ to 20.4kΩ	20.046kΩ	20.051kΩ
176	MON_OP-10 w.r.to PWR-P-15	RCS4/5MON mon& RTN	3.24kΩ to 3.36kΩ	40mΩ	37mΩ
177	MON_OP-10 w.r.to RO-11	RCS4/5 Vol mon &RCS 4/5	19.6kΩ to 20.4kΩ	3.302kΩ	3.302kΩ
178	MON_OP-12 w.r.to PWR-P-15	RCS 4/ 6 MON mont& RTN	3.24kΩ to 3.36kΩ	20.039kΩ	20.044kΩ
179	MON_OP-12 w.r.to RO-12	RCS 4/ 6 MON &mont	19.6kΩ to 20.4kΩ	3.304kΩ	3.305kΩ

180	MON_OP-13 w.r.to PWR-P-15	PS2 HRCM(+) mont& RTN	3.24kΩ to 3.36kΩ	20.041kΩ	20.046kΩ
181	MON_OP-13 w.r.to PO-13	PS2 HRCM(+) &mont	19.6kΩ to 20.4kΩ	3.305kΩ	3.305kΩ
182	MON_OP-14 w.r.to PWR-P-15	PS2 HRCM(-) mont& RTN	3.24kΩ to 3.36kΩ	20.038kΩ	20.044kΩ
183	MON_OP-14 w.r.to PO-14	PS2 HRCM(-) &mont	19.6kΩ to 20.4kΩ	3.302kΩ	3.302kΩ
184	PWR-P-13 w.r.to PWR-R-13	ANA RTN P & R	<100mΩ	20.041kΩ	20.047kΩ
185	PO-13 w.r.to RO-13	PS2 HRCM (+)	<100mΩ	68mΩ	64mΩ
186	PO-14 w.r.to RO-14	PS2 HRCM (-)	<100mΩ	88mΩ	84mΩ
187	PO-31 w.r.to PO-32		<100mΩ	37mΩ	35mΩ
188	PO-31 w.r.to PO-33		<100mΩ	38mΩ	35mΩ
189	PO-31 w.r.to PO-34		<100mΩ	41mΩ	36mΩ
190	PO-31 w.r.to PO-35		<100mΩ	39mΩ	36mΩ
191	PO-31 w.r.to PO-36		<100mΩ	38mΩ	36mΩ
192	PO-31 w.r.to PO-37		<100mΩ	38mΩ	36mΩ
193	PO-31 w.r.to PO-38		<100mΩ	38mΩ	36mΩ
194	PO-31 w.r.to RO-31		<100mΩ	50mΩ	47mΩ
195	PO-31 w.r.to RO-32		<100mΩ	50mΩ	47mΩ
196	PO-31 w.r.to RO-33		<100mΩ	50mΩ	47mΩ
197	PO-31 w.r.to RO-34		<100mΩ	51mΩ	47mΩ
198	PO-31 w.r.to RO-35		<100mΩ	48mΩ	47mΩ
199	PO-31 w.r.to RO-36		<100mΩ	50mΩ	47mΩ
200	PO-31 w.r.to RO-37		<100mΩ	49mΩ	47mΩ
201	PO-31 w.r.to RO-38		<100mΩ	50mΩ	47mΩ
202	PO-31 w.r.to MON_OP-18		<100mΩ	41mΩ	39mΩ
203	PO-31 w.r.to MON_OP-19		<100mΩ	41mΩ	39mΩ
204	PO-31 w.r.to MON_OP-20		<100mΩ	40mΩ	38mΩ
205	PO-31 w.r.to MON_OP-21		<100mΩ	36mΩ	37mΩ
206	PO-31 w.r.to MON_OP-22		<100mΩ	39mΩ	37mΩ
207	PO-31 w.r.to MON_OP-23		<100mΩ	33mΩ	37mΩ

RCS Rtn

236	CIP-49 w.r.to MON_OP-47	DAC Rtn& DAC Mon Rtn	100mΩ to 250mΩ	158mΩ	160mΩ
237	CIP-49 w.r.to MON_OP-48	DAC Rtn& DAC Mon Rtn	100mΩ to 250mΩ	153mΩ	152mΩ
238	CIP-49 w.r.to MON_OP-49	DAC Rtn& DAC Mon Rtn	100mΩ to 250mΩ	130mΩ	119mΩ
239	CIP-49 w.r.to MON_OP-50	DAC Rtn& DAC Mon Rtn	<100mΩ	46mΩ	47mΩ
240	PO 11 wrt RO 11	RCS 4/5 MON & MMH	<100mΩ	97mΩ	92mΩ
241	PO 12 wrt RO 12	RCS 4/6 MON & MMH	<100mΩ	85mΩ	83mΩ
242	CTRL_OP-3 wrt RO-15	28VRcoil supply for RCS(After RCS INH)	<100mΩ	91mΩ	86mΩ
243	MONOP-15 wrt CIR-24	28VP coil supply for RCS(After RCS INH)	<100mΩ	63mΩ	59mΩ
244	CTRL_OP 29 wrt MON_OP 17	RCS 0	<100mΩ	86mΩ	85mΩ
245	CTRL_OP 30 wrt MON_OP 32	RCS 1	<100mΩ	58mΩ	60mΩ
246	CTRL_OP 45 wrt MON_OP 33	RCS 2	<100mΩ	75mΩ	81mΩ
247	CTRL_OP 46 wrt MON_OP 34	RCS 3	<100mΩ	70mΩ	70mΩ
248	CTRL_OP 47 wrt MON_OP 35	RCS 4	<100mΩ	88mΩ	99mΩ
249	CTRL_OP 48 wrt MON_OP 36	RCS 5	<100mΩ	94mΩ	89mΩ
250	CTRL_OP 49 wrt MON_OP 37	RCS 6	<100mΩ	69mΩ	66mΩ
251	CTRL_OP 50 wrt MON_OP 44	RCS 7	<100mΩ	83mΩ	78mΩ
252	PWR P -3 wrt RO-15	28VP& 28VR coil supply for RCS(after RCS INH)	Short (TBD)	239mΩ	235mΩ
253	PWR R -3 wrt CIR-24	28VR& 28VR coil supply for RCS (after RCS INH)	Short (TBD)	107mΩ	100mΩ
Apply 28V pulsed (200ms) @ CIP47 wrt CIP 48 (PS3 FNC DAC CMD OFF)					
254	Connector mounting post (CIP, PWR-P, PO, MON_OP, PWR-R, CTRL_OP, CIR, RO) wrt chassis	<100mΩ	<100mΩ	<100mΩ	
255	All pins w.r.t Chassis	>100MΩ	>100MΩ	>100MΩ	

HSRCS (EB)

SI No	Pin Details	Description	Spec	Results(Ω)	
				ISRC	FSRC
1	PWR-P-3 w.r.to CIP-44	+28V & H/C INH for Seq	>100MΩ	>100MΩ	>100MΩ
2	PWR-P-3 w.r.to CIP-42	+28V & H/C RESET for Seq	>100MΩ	>100MΩ	>100MΩ
3	PWR-P-3 w.r.to CIP-24	+28V & H/C INH for RCS	>100MΩ	>100MΩ	>100MΩ
4	PWR-P-3 w.r.to CIR-42	+28V & H/C RESET for DAC	>100MΩ	>100MΩ	>100MΩ
5	PWR-P-3 w.r.to CIR-44	+28V & H/C INH for DAC	>100MΩ	>100MΩ	>100MΩ
6	PWR-P-3 w.r.to CIP-26	+28V & DAC 0 (P)	>100MΩ	>100MΩ	>100MΩ
7	PWR-P-3 w.r.to CIP-28	+28V & DAC 9 (P)	>100MΩ	>100MΩ	>100MΩ
8	PWR-P-3 w.r.to CIP-30	+28V & DAC 8 (P)	>100MΩ	>100MΩ	>100MΩ
9	PWR-P-3 w.r.to CIP-32	+28V & DAC 4 (P)	>100MΩ	>100MΩ	>100MΩ
10	PWR-P-3 w.r.to CIP-34	+28V & DAC 5 (P)	>100MΩ	>100MΩ	>100MΩ
11	PWR-P-3 w.r.to CIP-36	+28V & DAC 2 (P)	>100MΩ	>100MΩ	>100MΩ
12	PWR-P-3 w.r.to CIP-38	+28V & DAC 1 (P)	>100MΩ	>100MΩ	>100MΩ
13	PWR-P-3 w.r.to CIR-26	+28V & DAC 0 (R)	>100MΩ	>100MΩ	>100MΩ
14	PWR-P-3 w.r.to CIR-28	+28V & DAC 9 (R)	>100MΩ	>100MΩ	>100MΩ
15	PWR-P-3 w.r.to CIR-30	+28V & DAC 8 (R)	>100MΩ	>100MΩ	>100MΩ
16	PWR-P-3 w.r.to CIR-32	+28V & DAC 4 (R)	>100MΩ	>100MΩ	>100MΩ
17	PWR-P-3 w.r.to CIR-34	+28V & DAC 5 (R)	>100MΩ	>100MΩ	>100MΩ
18	PWR-P-3 w.r.to CIR-36	+28V & DAC 2 (R)	>100MΩ	>100MΩ	>100MΩ
19	PWR-P-3 w.r.to CIR-38	+28V & DAC 1 (R)	>100MΩ	>100MΩ	>100MΩ
20	PWR-P-3 w.r.to PO-30	+28V & INST Live	>100MΩ	>100MΩ	>100MΩ
21	PWR-P-3 w.r.to PO-44	+28V & INST Rtn	>100MΩ	>100MΩ	>100MΩ
22	PWR-P-3 w.r.to CIP-40	+28V & PS3 FNC DAC ON	>100MΩ	>100MΩ	>100MΩ
23	PWR-P-3 w.r.to CIP-47	+28V & PS3 FNC DAC OFF	>100MΩ	>100MΩ	>100MΩ
24	PWR-P-3 w.r.to PWR-P-9	+28V & +28V_S/A_P	>100MΩ	>100MΩ	>100MΩ
25	PWR-P-3 w.r.to PWR-R-9	+28V & +28V_S/A_R	>100MΩ	>100MΩ	>100MΩ
26	PWR-P-3 w.r.to CIP-3	+28VP & EP (P)	50kΩ to 100kΩ	57.008kΩ	57.007kΩ

SI No	Pin Details	Description	Spec	Results(Ω)		
				ISRC	FSRC	
27	PWR-P-3 w.r.to CIR-3	+28VP & EP (R)	50kΩ to 100kΩ	56.996kΩ	57.007kΩ	
28	PWR-R-3 w.r.to CIP-3	+28VR & EP (P)	50kΩ to 100kΩ	57.017kΩ	57.041kΩ	
29	PWR-R-3 w.r.to CIR-3	+28VR & EP (R)	50kΩ to 100kΩ	57.016kΩ	57.041kΩ	
30	PO-30 w.r.to CIP-44	INST Live & H/C INH for Seq	>100MΩ	>100MΩ	>100MΩ	
31	PO-30 w.r.to CIP-42	INST Live & H/C RESET for Seq	>100MΩ	>100MΩ	>100MΩ	
32	PO-30 w.r.to CIR-42	INST Live & H/CINH for RCS	>100MΩ	>100MΩ	>100MΩ	
33	PO-30 w.r.to CIR-44	INST Live & H/CRESET for DAC	>100MΩ	>100MΩ	>100MΩ	
34	PO-30 w.r.to CIP-24	INST Live & H/C INH for DAC	>100MΩ	>100MΩ	>100MΩ	
35	PO-30 w.r.to PO-36	INST Live & RCS Rtn	>100MΩ	>100MΩ	>100MΩ	
36	PO-30 w.r.to CIP-50	INST Live & DAC Rtn	>100MΩ	>100MΩ	>100MΩ	
37	PO-30 w.r.to PWR-P-11	INST Live & 28V Rtn	>100MΩ	>100MΩ	>100MΩ	
38	PO-30 w.r.to PWR-P-13	INST Live & +15V Rtn	>100MΩ	>100MΩ	>100MΩ	
39	PO-30 w.r.to CIP-2	INST Live & 5V Rtn	>100MΩ	>100MΩ	>100MΩ	
40	PO-30 w.r.to CTRL_OP-1	INST Live & Selected DAC o/ps	>100MΩ	>100MΩ	>100MΩ	
41	PO-30 w.r.to CTRL_OP-9		>100MΩ	>100MΩ	>100MΩ	
42	PO-30 w.r.to CTRL_OP-17		>100MΩ	>100MΩ	>100MΩ	
43	PO-30 w.r.to CTRL_OP-25		>100MΩ	>100MΩ	>100MΩ	
44	PO-30 w.r.to CTRL_OP-33		>100MΩ	>100MΩ	>100MΩ	
45	PO-30 w.r.to CTRL_OP-37		>100MΩ	>100MΩ	>100MΩ	
46	PO-30 w.r.to CTRL_OP-41		>100MΩ	>100MΩ	>100MΩ	
47	PO-30 w.r.to CIP-40		+28V & PS3 FNC DAC ON	>100MΩ	>100MΩ	>100MΩ
48	PO-30 w.r.to CIP-47		+28V & PS3FNC DAC OFF	>100MΩ	>100MΩ	>100MΩ
49	PO-30 w.r.to PWR-P-9		+28V & +28V_S/A_P	>100MΩ	>100MΩ	>100MΩ
50	PO-30 w.r.to PWR-R-9		+28V & +28V_S/A_R	>100MΩ	>100MΩ	>100MΩ
51	PO-36 w.r.to CIP-7		RCS Rtn& RCS 0 (P)	>100MΩ	>100MΩ	>100MΩ
52	PO-36 w.r.to CIP-9		RCS Rtn& RCS 1 (P)	>100MΩ	>100MΩ	>100MΩ
53	PO-36 w.r.to CIP-11		RCS Rtn& RCS 2 (P)	>100MΩ	>100MΩ	>100MΩ
54	PO-36 w.r.to CIP-13	RCS Rtn& RCS 3 (P)	>100MΩ	>100MΩ	>100MΩ	

SI No	Pin Details	Description	Spec	Results(Ω)	
				ISRC	FSRC
55	PO-36 w.r.to CIP-15	RCS Rtn& RCS 4 (P)	>100M Ω	>100M Ω	>100M Ω
56	PO-36 w.r.to CIP-17	RCS Rtn& RCS 5 (P)	>100M Ω	>100M Ω	>100M Ω
57	PO-36 w.r.to CIP-19	RCS Rtn& RCS 6 (P)	>100M Ω	>100M Ω	>100M Ω
58	PO-36 w.r.to CIP-21	RCS Rtn& RCS 7 (P)	>100M Ω	>100M Ω	>100M Ω
59	PO-36 w.r.to CIR-7	RCS Rtn& RCS 0 (R)	>100M Ω	>100M Ω	>100M Ω
60	PO-36 w.r.to CIR-9	RCS Rtn& RCS 1 (R)	>100M Ω	>100M Ω	>100M Ω
61	PO-36 w.r.to CIR-11	RCS Rtn& RCS 2 (R)	>100M Ω	>100M Ω	>100M Ω
62	PO-36 w.r.to CIR-13	RCS Rtn& RCS 3 (R)	>100M Ω	>100M Ω	>100M Ω
63	PO-36 w.r.to CIR-15	RCS Rtn& RCS 4 (R)	>100M Ω	>100M Ω	>100M Ω
64	PO-36 w.r.to CIR-17	RCS Rtn& RCS 5 (R)	>100M Ω	>100M Ω	>100M Ω
65	PO-36 w.r.to CIR-19	RCS Rtn& RCS 6 (R)	>100M Ω	>100M Ω	>100M Ω
66	PO-36 w.r.to CIR-21	RCS Rtn& RCS 7 (R)	>100M Ω	>100M Ω	>100M Ω
67	PO-36 w.r.to CTRL_OP-1	RCS Rtn& Selected DAC o/ps	>100M Ω	>100M Ω	>100M Ω
68	PO-36 w.r.to CTRL_OP-9		>100M Ω	>100M Ω	>100M Ω
69	PO-36 w.r.to CTRL_OP-17		>100M Ω	>100M Ω	>100M Ω
70	PO-36 w.r.to CTRL_OP-25		>100M Ω	>100M Ω	>100M Ω
71	PO-36 w.r.to CTRL_OP-33		>100M Ω	>100M Ω	>100M Ω
72	PO-36 w.r.to CTRL_OP-37		>100M Ω	>100M Ω	>100M Ω
73	PO-36 w.r.to CTRL_OP-41		>100M Ω	>100M Ω	>100M Ω
74	PO-36 w.r.to CIP-50	RCS Rtn& DAC Rtn	>100M Ω	>100M Ω	>100M Ω
75	PO-36 w.r.to PO-44	RCS Rtn& Inst Rtn	>100M Ω	>100M Ω	>100M Ω
76	PO-36 w.r.to PWR-P-11	RCS Rtn& 28VGnd	>100M Ω	>100M Ω	>100M Ω
77	PO-36 w.r.to CIP-44	RCS Rtn& H/C INH for Seq	>100M Ω	>100M Ω	>100M Ω
78	PO-36 w.r.to CIP-42	RCS Rtn&H/C RESET for Seq	>100M Ω	>100M Ω	>100M Ω
79	PO-36 w.r.to CIP-24	RCS Rtn& H/C INH for RCS	>100M Ω	>100M Ω	>100M Ω
80	PO-36 w.r.to CIR-42	RCS Rtn& H/C RESET for DAC	>100M Ω	>100M Ω	>100M Ω
81	PO-36 w.r.to CIR-44	RCS Rtn& H/C INH for DAC	>100M Ω	>100M Ω	>100M Ω
82	CIP-7 w.r.to PWR-P-1	RCS 0 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω

SI No	Pin Details	Description	Spec	Results(Ω)	
				ISRC	FSRC
83	CIP-7 w.r.to PWR-P-2	RCS 0 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
84	CIP-7 w.r.to PO-1	RCS 0 & RCS4/1 MMH	>100M Ω	>100M Ω	>100M Ω
85	CIP-7 w.r.to RO-1	RCS 0 & RCS4/1 MON	>100M Ω	>100M Ω	>100M Ω
86	CIP-9 w.r.to PWR-P-1	RCS 1 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
87	CIP-9 w.r.to PWR-P-2	RCS 1 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
88	CIP-9 w.r.to PO-5	RCS 1 & RCS4/2 MMH	>100M Ω	>100M Ω	>100M Ω
89	CIP-9 w.r.to RO-5	RCS 1 & RCS4/2 MON	>100M Ω	>100M Ω	>100M Ω
90	CIP-11 w.r.to PWR-P-1	RCS 2 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
91	CIP-11 w.r.to PWR-P-2	RCS 2 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
92	CIP-11 w.r.to PO-9	RCS 2 & RCS4/3 MMH	>100M Ω	>100M Ω	>100M Ω
93	CIP-11 w.r.to RO-9	RCS 2 & RCS4/3 MON	>100M Ω	>100M Ω	>100M Ω
94	CIP-13 w.r.to PWR-P-1	RCS 3 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
95	CIP-13 w.r.to PWR-P-2	RCS 3 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
96	CIP-13 w.r.to PO-10	RCS 3 & RCS4/4 MMH	>100M Ω	>100M Ω	>100M Ω
97	CIP-13 w.r.to RO-10	RCS 3 & RCS4/4 MON	>100M Ω	>100M Ω	>100M Ω
98	CIP-15 w.r.to PWR-P-1	RCS 4 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
99	CIP-15 w.r.to PWR-P-2	RCS 4 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
100	CIP-15 w.r.to PO-11	RCS 4 & RCS4/5 MMH	>100M Ω	>100M Ω	>100M Ω
101	CIP-15 w.r.to RO-11	RCS 4 & RCS4/5 MON	>100M Ω	>100M Ω	>100M Ω
102	CIP-17 w.r.to PWR-P-1	RCS 5 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
103	CIP-17 w.r.to PWR-P-2	RCS 5 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
104	CIP-17 w.r.to PO-12	RCS 5 & RCS4/6 MMH	>100M Ω	>100M Ω	>100M Ω
105	CIP-17 w.r.to RO-12	RCS 5 & RCS4/6 MON	>100M Ω	>100M Ω	>100M Ω
106	CIP-19 w.r.to PWR-P-1	RCS 6 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
107	CIP-19 w.r.to PWR-P-2	RCS 6 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω
108	CIP-19 w.r.to PO-13	RCS 6 & PS2 HRCM+	>100M Ω	>100M Ω	>100M Ω
109	CIP-21 w.r.to PWR-P-1	RCS 7 & +28V_RCS (P)	>100M Ω	>100M Ω	>100M Ω
110	CIP-21 w.r.to PWR-P-2	RCS 7 & +28V_RCS (R)	>100M Ω	>100M Ω	>100M Ω

SI No	Pin Details	Description	Spec	Results(Ω)	
				ISRC	FSRC
111	CIP-21 w.r.to PO-14	RCS 7 & PS2 HRCSM-	>100M Ω	>100M Ω	>100M Ω
112	PWR-P-11 w.r.to CIP-7	28V RTN wrt RCS 0 (P)	>100M Ω	>100M Ω	>100M Ω
113	PWR-P-11 w.r.to CIP-9	28V RTN wrt RCS 1 (P)	>100M Ω	>100M Ω	>100M Ω
114	PWR-P-11 w.r.to CIP-11	28V RTN wrt RCS 2 (P)	>100M Ω	>100M Ω	>100M Ω
115	PWR-P-11 w.r.to CIP-13	28V RTN wrt RCS 3 (P)	>100M Ω	>100M Ω	>100M Ω
116	PWR-P-11 w.r.to CIP-15	28V RTN wrt RCS 4 (P)	>100M Ω	>100M Ω	>100M Ω
117	PWR-P-11 w.r.to CIP-17	28V RTN wrt RCS 5 (P)	>100M Ω	>100M Ω	>100M Ω
118	PWR-P-11 w.r.to CIP-19	28V RTN wrt RCS 6 (P)	>100M Ω	>100M Ω	>100M Ω
119	PWR-P-11 w.r.to CIP-21	28V RTN wrt RCS 7 (P)	>100M Ω	>100M Ω	>100M Ω
120	PWR-P-11 w.r.to CIR-7	28V RTN wrt RCS 0 (R)	>100M Ω	>100M Ω	>100M Ω
121	PWR-P-11 w.r.to CIR-9	28V RTN wrt RCS 1 (R)	>100M Ω	>100M Ω	>100M Ω
122	PWR-P-11 w.r.to CIR-11	28V RTN wrt RCS 2 (R)	>100M Ω	>100M Ω	>100M Ω
123	PWR-P-11 w.r.to CIR-13	28V RTN wrt RCS 3 (R)	>100M Ω	>100M Ω	>100M Ω
124	PWR-P-11 w.r.to CIR-15	28V RTN wrt RCS 4 (R)	>100M Ω	>100M Ω	>100M Ω
125	PWR-P-11 w.r.to CIR-17	28V RTN wrt RCS 5 (R)	>100M Ω	>100M Ω	>100M Ω
126	PWR-P-11 w.r.to CIR-19	28V RTN wrt RCS 6 (R)	>100M Ω	>100M Ω	>100M Ω
127	PWR-P-11 w.r.to CIR-21	28V RTN wrt RCS 7 (R)	>100M Ω	>100M Ω	>100M Ω
128	PWR-P-5 w.r.to PWR-P-13	+15V (P) & Rtn	50k Ω to 90k Ω	79.092k Ω	78.475k Ω
129	PWR-P-13 w.r.to PWR-P-7	Rtn & -15V (P)	2.45M Ω to 2.60M Ω	2.516M Ω	2.60M Ω
130	PWR-P-5 w.r.to PWR-P-7	+15V (P) & -15V (P)	1.5M Ω to 3M Ω	2.150M Ω	2.170M Ω
131	PWR-R-5 w.r.to PWR-R-13	+15V (R) & Rtn	60k Ω to 110k Ω	78.649k Ω	79.074k Ω
132	PWR-R-13 w.r.to PWR-R-7	Rtn & -15V (R)	2.45M Ω to 2.60M Ω	2.547M Ω	2.597M Ω
133	PWR-R-5 w.r.to PWR-R-7	+15V (R) & -15V (R)	1.5M Ω to 3M Ω	2.155M Ω	2.176M Ω

List of connectors used in the
1.CIP,CIR,MON_OP,
CTRL_OP-50F
2.PWR-P,PWR-R=15M
3.PO,RO=44M