

670	PO-78 wrt PB_L-A	Inst Rtn wrt Sqb Bat i/p-P	>100MΩ	>100MΩ	>100MΩ
671	PO-78 wrt RB_L-A	Inst Rtn wrt Sqb Bat i/p-R	>100MΩ	>100MΩ	>100MΩ
672	PO-78 wrt PO-40	Inst Rtn wrt Sqb Bat o/p-P	>100MΩ	>100MΩ	>100MΩ
673	PO-78 wrt RO-40	Inst Rtn wrt Sqb Bat o/p-R	>100MΩ	>100MΩ	>100MΩ
674	PO-78 wrt PO-1	Inst Rtn wrt Vlv Bat i/p-P	>100MΩ	>100MΩ	>100MΩ
675	PO-78 wrt RO-1	Inst Rtn wrt Vlv Bat i/p-R	>100MΩ	>100MΩ	>100MΩ
676	PO-78 wrt PO-11	Inst Rtn wrt Vlv Bat o/p-P	>100MΩ	>100MΩ	>100MΩ
677	PO-78 wrt RO-11	Inst Rtn wrt Vlv Bat o/p-R	>100MΩ	>100MΩ	>100MΩ
678	PO-78 wrt PO-3	Inst Rtn wrt Sqb S/A i/p1 (P)	>100MΩ	>100MΩ	>100MΩ
679	PO-77 wrt PO-4	Inst Rtn wrt Sqb S/A i/p2 (R)	>100MΩ	>100MΩ	>100MΩ
680	PO-78 wrt PO-5	Inst Rtn wrt Sqb S/A i/p3	>100MΩ	>100MΩ	>100MΩ
681	PO-78 wrt PO-6	Inst Rtn wrt Vlv S/A i/p1 (P)	>100MΩ	>100MΩ	>100MΩ
682	PO-78 wrt PO-7	Inst Rtn wrt Vlv S/A i/p2 (R)	>100MΩ	>100MΩ	>100MΩ
683	PO-78 wrt PO-8	Inst Rtn wrt Vlv S/A i/p3	>100MΩ	>100MΩ	>100MΩ
684	PO-78 wrt PO-27	Inst Rtn wrt Sqb S/A o/p-1 (P)	>100MΩ	>100MΩ	>100MΩ
685	PO-78 wrt RO-27	Inst Rtn wrt Sqb S/A o/p-2 (R)	>100MΩ	>100MΩ	>100MΩ
686	PO-78 wrt PO-45	Inst Rtn wrt Sqb S/A o/p-3	>100MΩ	>100MΩ	>100MΩ
687	PO-78 wrt PO-21	Inst Rtn wrt Vlv S/A o/p-1 (P)	>100MΩ	>100MΩ	>100MΩ
688	PO-78 wrt RO-21	Inst Rtn wrt Vlv S/A o/p-2(R)	>100MΩ	>100MΩ	>100MΩ
689	PO-78 wrt RO-47	Inst Rtn wrt Vlv S/A o/p-3	>100MΩ	>100MΩ	>100MΩ
690	MON-OP-5 wrt MON-OP-8	Bat ON CMD SQB	*90 ± 9Ω	90.978Ω	91.548Ω
691	MON-OP-6 wrt MON-OP-8	Bat OFF CMD SQB	*90 ± 9Ω	90.820Ω	91.385Ω
692	MON-OP-13 wrt MON-OP-16	Bat ON CMD VLV	*225 ± 22Ω	226.772Ω	228.215Ω
693	MON-OP-14 wrt MON-OP-16	Bat OFF CMD VLV	*225 ± 22Ω	225.904Ω	227.334Ω
694	MON-OP-21 wrt MON-OP-24	Bat ON CMD RCS	*225 ± 22Ω	228.111Ω	229.523Ω
695	MON-OP-22 wrt MON-OP-24	Bat OFF CMD RCS	*225 ± 22Ω	226.237Ω	227.636Ω
696	MON-OP-9 wrt MON-OP-12	Seq Arm Cmd (SQB)	455 ± 45Ω	442.603Ω	445.296Ω
697	MON-OP-10 wrt MON-OP-12	Seq Safe cmd (SQB)	455 ± 45Ω	443.740Ω	446.441Ω
698	MON-OP-17 wrt MON-OP-20	Seq Arm Cmd (VLV)	455 ± 45Ω	451.345Ω	454.089Ω
699	MON-OP-18 wrt MON-OP-20	Seq Safe cmd (VLV)	455 ± 45Ω	446.952Ω	446.984Ω
700	All pins wrt chassis		>100MΩ	>100MΩ	>100MΩ
701	All connector mounting posts wrt chassis		<100mΩ	<100mΩ	<100mΩ
702	PO-63 wrt RO-63	RCS BAT	<150mΩ	82mΩ	84mΩ
703	PO-15 wrt RO-15	RCS BAT	<150mΩ	82mΩ	81mΩ

\* STPI relays are wired

## Checklist of CEM EB LIVE\_PYRO1

### PYRO-1 Module

SI no.	Test Points	Description	Expected	ISRC	FSRC
1	CIP-1 wrt CIR-1	Py-1 Cmd-1 CMD	0.2 – 0.5Ω	315mΩ	320mΩ
2	CIP-2 wrt CIR-2	Py-1 Cmd-2 CMD	0.4 – 0.7Ω	513mΩ	518mΩ
3	CIP-3 wrt CIR-3	Py-1 Cmd-3 CMD	0.6 – 0.9Ω	701mΩ	712mΩ
4	CIP-4 wrt CIR-4	Py-1 Cmd-4 CMD	0.6 – 0.9Ω	717mΩ	731mΩ
5	CIP-9 wrt CIR-9	Py-1 Cmd-1 CMDBAR	0.5 – 0.8Ω	626mΩ	636mΩ
6	CIP-10 wrt CIR-10	Py-1 Cmd-2 CMDBAR	0.1 – 0.4Ω	267mΩ	266mΩ
7	CIP-11 wrt CIR-11	Py-1 Cmd-3 CMDBAR	0.7 - 1.1Ω	885mΩ	898mΩ
8	CIP-12 wrt CIR-12	Py-1 Cmd-4 CMDBAR	0.7 - 1.1Ω	884mΩ	897mΩ
9	PO-1 wrt RO-1	Py-1 Cmd-1 Outputs	< 200mΩ	147mΩ	156mΩ
10	PO-2 wrt RO-2		< 200mΩ	136mΩ	138mΩ

11	PO-3 wrt RO-3		< 300mΩ	209mΩ	215mΩ
12	PO-4 wrt RO-4		< 200mΩ	124mΩ	129mΩ
13	PO-5 wrt RO-5	Py-1 Cmd-2 Outputs	< 200mΩ	128mΩ	129mΩ
14	PO-6 wrt RO-6		< 200mΩ	124mΩ	130mΩ
15	PO-7 wrt RO-7		< 250mΩ	166mΩ	170mΩ
16	PO-8 wrt RO-8		< 200mΩ	111mΩ	116mΩ
17	PO-9 wrt RO-9		< 250mΩ	169mΩ	178mΩ
18	PO-10 wrt RO-10	Py-1 Cmd-3 Outputs	< 100mΩ	51mΩ	54mΩ
19	PO-11 wrt RO-11		< 200mΩ	107mΩ	114mΩ
20	PO-12 wrt RO-12		< 150mΩ	125mΩ	127mΩ
21	PO-13 wrt RO-13	Py-1 Cmd-4 Outputs	< 200mΩ	129mΩ	134mΩ
22	PO-14 wrt RO-14		< 200mΩ	120mΩ	129mΩ
23	PO-15 wrt RO-15		< 250mΩ	163mΩ	162mΩ
24	PO-16 wrt RO-16		< 250mΩ	161mΩ	164mΩ
25	PO-24 wrt PO-25	28V (P) COIL SUPPLY	< 100mΩ	28mΩ	26mΩ
26	RO-24 wrt RO-25	28V (R) COIL SUPPLY	< 100mΩ	24mΩ	29mΩ
27	PO-24 wrt CP-1	Coil-P (+) wrt Midpoints	> 100MΩ	>100MΩ	>100MΩ
28	PO-24 wrt CP-2		> 100MΩ	>100MΩ	>100MΩ
29	PO-24 wrt CP-3		> 100MΩ	>100MΩ	>100MΩ
30	PO-24 wrt CP-4		> 100MΩ	>100MΩ	>100MΩ
31	PO-24 wrt CP-5		> 100MΩ	>100MΩ	>100MΩ
32	PO-24 wrt CP-6		> 100MΩ	>100MΩ	>100MΩ
33	PO-24 wrt CP-7		> 100MΩ	>100MΩ	>100MΩ
34	PO-24 wrt CP-8		> 100MΩ	>100MΩ	>100MΩ
35	PO-24 wrt CP-9		> 100MΩ	>100MΩ	>100MΩ
36	PO-24 wrt CP-10		> 100MΩ	>100MΩ	>100MΩ
37	PO-24 wrt CP-11		> 100MΩ	>100MΩ	>100MΩ
38	PO-24 wrt CP-12		> 100MΩ	>100MΩ	>100MΩ
39	PO-24 wrt CP-13		> 100MΩ	>100MΩ	>100MΩ
40	PO-24 wrt CP-14		> 100MΩ	>100MΩ	>100MΩ
41	PO-24 wrt CP-15		> 100MΩ	>100MΩ	>100MΩ
42	PO-24 wrt CP-16		> 100MΩ	>100MΩ	>100MΩ
43	PO-24 wrt PO-1	Coil-P (+) wrt Outputs-P	> 100MΩ	>100MΩ	>100MΩ
44	PO-24 wrt PO-2		> 100MΩ	>100MΩ	>100MΩ
45	PO-24 wrt PO-3		> 100MΩ	>100MΩ	>100MΩ
46	PO-24 wrt PO-4		> 100MΩ	>100MΩ	>100MΩ
47	PO-24 wrt PO-5		> 100MΩ	>100MΩ	>100MΩ
48	PO-24 wrt PO-6		> 100MΩ	>100MΩ	>100MΩ
49	PO-24 wrt PO-7		> 100MΩ	>100MΩ	>100MΩ
50	PO-24 wrt PO-8		> 100MΩ	>100MΩ	>100MΩ
51	PO-24 wrt PO-9		> 100MΩ	>100MΩ	>100MΩ
52	PO-24 wrt PO-10		> 100MΩ	>100MΩ	>100MΩ
53	PO-24 wrt PO-11		> 100MΩ	>100MΩ	>100MΩ
54	PO-24 wrt PO-12		> 100MΩ	>100MΩ	>100MΩ
55	PO-24 wrt PO-13		> 100MΩ	>100MΩ	>100MΩ
56	PO-24 wrt PO-14		> 100MΩ	>100MΩ	>100MΩ
57	PO-24 wrt PO-15		> 100MΩ	>100MΩ	>100MΩ
58	PO-24 wrt PO-16		> 100MΩ	>100MΩ	>100MΩ

59	PO-24 wrt RO-1	Coil-P (+) wrt Outputs-R	> 100MΩ	>100MΩ	>100MΩ
60	PO-24 wrt RO-2		> 100MΩ	>100MΩ	>100MΩ
61	PO-24 wrt RO-3		> 100MΩ	>100MΩ	>100MΩ
62	PO-24 wrt RO-4		> 100MΩ	>100MΩ	>100MΩ
63	PO-24 wrt RO-5		> 100MΩ	>100MΩ	>100MΩ
64	PO-24 wrt RO-6		> 100MΩ	>100MΩ	>100MΩ
65	PO-24 wrt RO-7		> 100MΩ	>100MΩ	>100MΩ
66	PO-24 wrt RO-8		> 100MΩ	>100MΩ	>100MΩ
67	PO-24 wrt RO-9		> 100MΩ	>100MΩ	>100MΩ
68	PO-24 wrt RO-10		> 100MΩ	>100MΩ	>100MΩ
69	PO-24 wrt RO-11		> 100MΩ	>100MΩ	>100MΩ
70	PO-24 wrt RO-12		> 100MΩ	>100MΩ	>100MΩ
71	PO-24 wrt RO-13		> 100MΩ	>100MΩ	>100MΩ
72	PO-24 wrt RO-14		> 100MΩ	>100MΩ	>100MΩ
73	PO-24 wrt RO-15		> 100MΩ	>100MΩ	>100MΩ
74	PO-24 wrt RO-16		> 100MΩ	>100MΩ	>100MΩ
75	PO-24 wrt RO-24	28VCoil-P wrt R	> 100MΩ	>100MΩ	>100MΩ
76	RO-24 wrt PO-24	28VCoil-R wrt P	> 100MΩ	>100MΩ	>100MΩ
77	RO-24 wrt CP-1	Coil-R (+) wrt Midpoints	> 100MΩ	>100MΩ	>100MΩ
78	RO-24 wrt CP-2		> 100MΩ	>100MΩ	>100MΩ
79	RO-24 wrt CP-3		> 100MΩ	>100MΩ	>100MΩ
80	RO-24 wrt CP-4		> 100MΩ	>100MΩ	>100MΩ
81	RO-24 wrt CP-5		> 100MΩ	>100MΩ	>100MΩ
82	RO-24 wrt CP-6		> 100MΩ	>100MΩ	>100MΩ
83	RO-24 wrt CP-7		> 100MΩ	>100MΩ	>100MΩ
84	RO-24 wrt CP-8		> 100MΩ	>100MΩ	>100MΩ
85	RO-24 wrt CP-9		> 100MΩ	>100MΩ	>100MΩ
86	RO-24 wrt CP-10		> 100MΩ	>100MΩ	>100MΩ
87	RO-24 wrt CP-11		> 100MΩ	>100MΩ	>100MΩ
88	RO-24 wrt CP-12		> 100MΩ	>100MΩ	>100MΩ
89	RO-24 wrt CP-13		> 100MΩ	>100MΩ	>100MΩ
90	RO-24 wrt CP-14		> 100MΩ	>100MΩ	>100MΩ
91	RO-24 wrt CP-15		> 100MΩ	>100MΩ	>100MΩ
92	RO-24 wrt CP-16		> 100MΩ	>100MΩ	>100MΩ
93	RO-24 wrt PO-1	Coil-R (+) wrt Outputs-P	> 100MΩ	>100MΩ	>100MΩ
94	RO-24 wrt PO-2		> 100MΩ	>100MΩ	>100MΩ
95	RO-24 wrt PO-3		> 100MΩ	>100MΩ	>100MΩ
96	RO-24 wrt PO-4		> 100MΩ	>100MΩ	>100MΩ
97	RO-24 wrt PO-5		> 100MΩ	>100MΩ	>100MΩ
98	RO-24 wrt PO-6		> 100MΩ	>100MΩ	>100MΩ
99	RO-24 wrt PO-7		> 100MΩ	>100MΩ	>100MΩ
100	RO-24 wrt PO-8		> 100MΩ	>100MΩ	>100MΩ
101	RO-24 wrt PO-9		> 100MΩ	>100MΩ	>100MΩ
102	RO-24 wrt PO-10		> 100MΩ	>100MΩ	>100MΩ
103	RO-24 wrt PO-11		> 100MΩ	>100MΩ	>100MΩ
104	RO-24 wrt PO-12		> 100MΩ	>100MΩ	>100MΩ
105	RO-24 wrt PO-13		> 100MΩ	>100MΩ	>100MΩ
106	RO-24 wrt PO-14		> 100MΩ	>100MΩ	>100MΩ

107	RO-24 wrt PO-15		> 100MΩ	>100MΩ	>100MΩ
108	RO-24 wrt PO-16		> 100MΩ	>100MΩ	>100MΩ
109	RO-24 wrt RO-1	Coil-R (+) wrt Outputs-R	> 100MΩ	>100MΩ	>100MΩ
110	RO-24 wrt RO-2		> 100MΩ	>100MΩ	>100MΩ
111	RO-24 wrt RO-3		> 100MΩ	>100MΩ	>100MΩ
112	RO-24 wrt RO-4		> 100MΩ	>100MΩ	>100MΩ
113	RO-24 wrt RO-5		> 100MΩ	>100MΩ	>100MΩ
114	RO-24 wrt RO-6		> 100MΩ	>100MΩ	>100MΩ
115	RO-24 wrt RO-7		> 100MΩ	>100MΩ	>100MΩ
116	RO-24 wrt RO-8		> 100MΩ	>100MΩ	>100MΩ
117	RO-24 wrt RO-9		> 100MΩ	>100MΩ	>100MΩ
118	RO-24 wrt RO-10		> 100MΩ	>100MΩ	>100MΩ
119	RO-24 wrt RO-11		> 100MΩ	>100MΩ	>100MΩ
120	RO-24 wrt RO-12		> 100MΩ	>100MΩ	>100MΩ
121	RO-24 wrt RO-13		> 100MΩ	>100MΩ	>100MΩ
122	RO-24 wrt RO-14		> 100MΩ	>100MΩ	>100MΩ
123	RO-24 wrt RO-15		> 100MΩ	>100MΩ	>100MΩ
124	RO-24 wrt RO-16		> 100MΩ	>100MΩ	>100MΩ
125	*PO-40 wrt PO-24	BAT Live-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
126	*PO-40 wrt RO-24	BAT Live-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
127	*RO-40 wrt PO-24	BAT Live-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
128	*RO-40 wrt RO-24	BAT Live-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
129	PO-1 wrt PO-2	Py-1 Cmd-1 Outputs	4Ω - 4.2Ω	4.076Ω	4.080Ω
130	PO-3 wrt PO-4	Py-1 Cmd-1 Outputs	4Ω - 4.2Ω	4.122Ω	4.126Ω
131	PO-5 wrt PO-6	Py-1 Cmd-2 Outputs	1.5Ω - 1.7Ω	1.562Ω	1.564Ω
132	PO-7 wrt PO-8	Py-1 Cmd-2 Outputs	1.5Ω - 1.7Ω	1.598Ω	1.602Ω
133	PO-9 wrt PO-10	Py-1 Cmd-3 Outputs	2Ω - 2.2Ω	2.100Ω	2.097Ω
134	PO-11 wrt PO-12	Py-1 Cmd-3 Outputs	2Ω - 2.25Ω	2.174Ω	2.182Ω
135	PO-13 wrt PO-14	Py-1 Cmd-4 Outputs	4Ω - 4.2Ω	4.090Ω	4.084Ω
136	PO-15 wrt PO-16	Py-1 Cmd-4 Outputs	4Ω - 4.2Ω	4.112Ω	4.113Ω
137	*PB-L-A wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
138	*PB-L-A wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
139	*RB-L-A wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
140	*RB-L-A wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
141	*PB-L-B wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
142	*PB-L-B wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
143	*RB-L-B wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
144	*RB-L-B wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
145	*PB-L-C wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
146	*PB-L-C wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
147	*RB-L-C wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
148	*RB-L-C wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
149	*PB-L-D wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
150	*PB-L-D wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
151	*RB-L-D wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
152	*RB-L-D wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
153	*PB-L-E wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
154	*PB-L-E wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ

155	*RB-L-E wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
156	*RB-L-E wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
157	*PB-L-F wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
158	*PB-L-F wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
159	*RB-L-F wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
160	*RB-L-F wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
161	*PB-L-G wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
162	*PB-L-G wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
163	*RB-L-G wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
164	*RB-L-G wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
165	*PB-L-H wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
166	*PB-L-H wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
167	*RB-L-H wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
168	*RB-L-H wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
169	*PB-L-J wrt PO-24	Bat-P wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
170	*PB-L-J wrt RO-24	Bat-P wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
171	*RB-L-J wrt PO-24	Bat-R wrt Coil -P	> 100MΩ	>100MΩ	>100MΩ
172	*RB-L-J wrt RO-24	Bat-R wrt Coil -R	> 100MΩ	>100MΩ	>100MΩ
173	All pins with respect to chassis		> 100MΩ	>100MΩ	>100MΩ
174	All connector mounting posts wrt chassis		< 100mΩ	<100mΩ	<100mΩ

\* PO-40, RO-40, PB-L & RB-L are connectors of BAT-Live module.

### List of Connectors in the package

1. CIP and CIR=15 pin Male

2. PO,RO and CP =25 pin Female