

9.1.7 BAT RTN Module

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
1	PB_R-1 wrt PB_R-2	BAT (-)/SQB_P	<100mΩ	7mΩ	7mΩ
2	PB_R-1 wrt PB_R-3	BAT (-)/SQB_P	<100mΩ	7mΩ	6mΩ
3	PB_R-1 wrt PB_R-4	BAT (-)/SQB_P	<100mΩ	7mΩ	7mΩ
4	PB_R-1 wrt PB_R-5	BAT (-)/SQB_P	<100mΩ	8mΩ	8mΩ
5	PB_R-1 wrt PB_R-6	BAT (-)/SQB_P	<100mΩ	6mΩ	6mΩ
6	PB_R-1 wrt PB_R-7	BAT (-)/SQB_P	<100mΩ	7mΩ	6mΩ
7	PB_R-1 wrt PB_R-8	BAT (-)/SQB_P	<100mΩ	7mΩ	6mΩ
8	PB_R-1 wrt PB_R-9	BAT (-)/SQB_P	<100mΩ	7mΩ	7mΩ
9	RB_R-1 wrt RB_R-2	BAT (-)/SQB_R	<100mΩ	8mΩ	8mΩ
10	RB_R-1 wrt RB_R-3	BAT (-)/SQB_R	<100mΩ	8mΩ	8mΩ
11	RB_R-1 wrt RB_R-4	BAT (-)/SQB_R	<100mΩ	10mΩ	11mΩ
12	RB_R-1 wrt RB_R-5	BAT (-)/SQB_R	<100mΩ	8mΩ	8mΩ
13	RB_R-1 wrt RB_R-6	BAT (-)/SQB_R	<100mΩ	9mΩ	9mΩ
14	RB_R-1 wrt RB_R-7	BAT (-)/SQB_R	<100mΩ	8mΩ	8mΩ
15	RB_R-1 wrt RB_R-8	BAT (-)/SQB_R	<100mΩ	9mΩ	9mΩ
16	RB_R-1 wrt RB_R-9	BAT (-)/SQB_R	<100mΩ	9mΩ	9mΩ
17	PB_R-1 wrt Chassis-1	BAT (-)/SQB_P wrt CHASSIS	10 kΩ± 1%	10.00kΩ	10.00kΩ
18	PB_R-10 wrt RB_R-10	IP CON.MAT_P wrt IP CON.MAT_R	<100mΩ	18mΩ	18mΩ
19	RB_R-1 wrt Chassis-1	BAT (-)/SQB_R wrt CHASSIS	10kΩ± 1%	10.00kΩ	10.00kΩ
20	MON_OP-3 wrt MON_OP-7	BAT ALL OFF	<100mΩ	55mΩ	54mΩ
21	MON_OP-17 wrt MON_OP-18	BAT (-) ST. MON/SQB	2 kΩ± 2 %	2.00kΩ	2.00kΩ
22	MON_OP-18 wrt MON_OP-19	BAT (-) ST. MON/SQB	2 kΩ± 2 %	2.00kΩ	2.00kΩ
23	MON_OP-21 wrt MON_OP-22	BAT (-) ST. MON/VLV	2 kΩ± 2 %	2.00kΩ	2.00kΩ
24	MON_OP-22 wrt MON_OP-23	BAT (-) ST. MON/VLV	2 kΩ± 2 %	2.00kΩ	2.00kΩ
25	MON_OP-44 wrt MON_OP-17	INST.LIVE_MON wrt BAT(-) ST. MON/SQB	1.47kΩ±2%	1.47kΩ	1.47kΩ
26	MON_OP-44 wrt MON_OP-21	INST.LIVE_MON wrt BAT(-) ST. MON/VLV	1.47kΩ±2%	1.47kΩ	1.47kΩ
27	MON_OP-44 wrt MON_OP-45	INST.LIVE_MON	<100mΩ	43mΩ	43mΩ
28	MON_OP-46 wrt MON_OP-47	28V_BAT/SQB_P wrt 28V_BAT/SQB_R	6 kΩ± 2 %	6.01kΩ	6.01kΩ
29	MON_OP-46 wrt MON_OP-66	28V_BAT/SQB_P wrt 28V_BAT_MON/SQB_P	<100mΩ	45mΩ	44mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
30	MON_OP-47 wrt MON_OP-67	28V_BAT/SQB_R & 28V_BAT_MON/SQB_R	<100mΩ	45mΩ	44mΩ
31	MON_OP-48 wrt MON_OP-49	28V_BAT/MLV_P wrt 28V_BAT/MLV_R	6 kΩ± 2 %	6.01kΩ	6.01kΩ
32	MON_OP-48 wrt MON_OP-68	28V_BAT/MLV_P wrt 28V_BAT_MON/MLV_P	<100mΩ	46mΩ	45mΩ
33	MON_OP-49 wrt MON_OP-69	28V_BAT/MLV_R wrt 28V_BAT_MON/MLV_R	<100mΩ	45mΩ	44mΩ
34	MON_OP-61 wrt MON_OP-62	+/-15V RTN	<100mΩ	45mΩ	46mΩ
35	MON_OP-64 wrt MON_OP-65	INST RTN	<100mΩ	45mΩ	45mΩ
36	MON_OP-74 wrt Chassis-1	CHASSIS	<150mΩ	125mΩ	123mΩ
37	OP1-1 wrt OP1-2	BAT_RTN/SQB (sensor-1)	<100mΩ	55mΩ	46mΩ
38	OP1-1 wrt OP1-3	BAT_RTN/SQB (sensor-1)	<150mΩ	127mΩ	118mΩ
39	OP1-1 wrt OP1-4	BAT_RTN/SQB (sensor-1)	<150mΩ	126mΩ	117mΩ
40	OP1-1 wrt OP1-5	BAT_RTN/SQB (sensor-1)	<150mΩ	126mΩ	117mΩ
41	OP1-1 wrt OP1-6	BAT_RTN/SQB (sensor-1)	<150mΩ	126mΩ	117mΩ
42	OP1-1 wrt OP1-7	BAT_RTN/SQB (sensor-1)	<150mΩ	125mΩ	116mΩ
43	OP1-1 wrt OP1-8	BAT_RTN/SQB (sensor-1)	<150mΩ	126mΩ	116mΩ
44	OP1-1 wrt OP1-21	BAT_RTN/SQB (sensor-1)	<150mΩ	132mΩ	123mΩ
45	OP1-1 wrt OP1-22	BAT_RTN/SQB (sensor-1)	<150mΩ	131mΩ	122mΩ
46	OP1-1 wrt OP1-23	BAT_RTN/SQB (sensor-1)	<150mΩ	130mΩ	121mΩ
47	OP1-1 wrt OP1-24	BAT_RTN/SQB (sensor-1)	<150mΩ	129mΩ	121mΩ
48	OP1-1 wrt OP1-25	BAT_RTN/SQB (sensor-1)	<150mΩ	129mΩ	120mΩ
49	OP1-1 wrt OP1-26	BAT_RTN/SQB (sensor-1)	<150mΩ	127mΩ	118mΩ
50	OP1-1 wrt OP1-27	BAT_RTN/SQB (sensor-1)	<150mΩ	127mΩ	119mΩ
51	OP1-1 wrt OP1-28	BAT_RTN/SQB (sensor-1)	<150mΩ	127mΩ	118mΩ
52	OP1-1 wrt OP1-40	BAT_RTN/SQB (sensor-1)	<150mΩ	132mΩ	124mΩ
53	OP1-1 wrt OP1-41	BAT_RTN/SQB (sensor-1)	<150mΩ	133mΩ	124mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
54	OP1-1 wrt OP1-42	BAT_RTN/SQB (sensor-1)	<150mΩ	135mΩ	125mΩ
55	OP1-1 wrt OP1-43	BAT_RTN/SQB (sensor-1)	<150mΩ	136mΩ	127mΩ
56	OP1-1 wrt OP1-44	BAT_RTN/SQB (sensor-1)	<150mΩ	138mΩ	129mΩ
57	OP1-1 wrt OP1-45	BAT_RTN/SQB (sensor-1)	<150mΩ	138mΩ	129mΩ
58	OP1-1 wrt OP1-46	BAT_RTN/SQB (sensor-1)	<150mΩ	140mΩ	130mΩ
59	OP1-1 wrt OP1-47	BAT_RTN/SQB (sensor-1)	<150mΩ	140mΩ	130mΩ
60	OP1-1 wrt OP1-60	BAT_RTN/SQB (sensor-1)	<150mΩ	132mΩ	123mΩ
61	OP1-1 wrt OP1-61	BAT_RTN/SQB (sensor-1)	<150mΩ	135mΩ	126mΩ
62	OP1-1 wrt OP1-62	BAT_RTN/SQB (sensor-1)	<150mΩ	136mΩ	127mΩ
63	OP1-1 wrt OP1-63	BAT_RTN/SQB (sensor-1)	<150mΩ	137mΩ	128mΩ
64	OP1-1 wrt OP1-64	BAT_RTN/SQB (sensor-1)	<150mΩ	144mΩ	135mΩ
65	OP1-1 wrt OP1-65	BAT_RTN/SQB (sensor-1)	<150mΩ	144mΩ	135mΩ
66	OP1-1 wrt OP1-66	BAT_RTN/SQB (sensor-1)	<150mΩ	144mΩ	135mΩ
67	OP1-1 wrt OP1-67	BAT_RTN/SQB (sensor-1)	<150mΩ	144mΩ	135mΩ
68	OP1-10 wrt OP1-30	BAT_RTN/VLV	<100mΩ	48mΩ	47mΩ
69	OP1-12 wrt OP1-13	BAT_RTN/SQB (sensor-2)	<150mΩ	53mΩ	55mΩ
70	OP1-12 wrt OP1-14	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
71	OP1-12 wrt OP1-15	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
72	OP1-12 wrt OP1-16	BAT_RTN/SQB (sensor-2)	<150mΩ	50mΩ	50mΩ
73	OP1-12 wrt OP1-17	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
74	OP1-12 wrt OP1-18	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
75	OP1-12 wrt OP1-19	BAT_RTN/SQB (sensor-2)	<150mΩ	50mΩ	49mΩ
76	OP1-12 wrt OP1-20	BAT_RTN/SQB (sensor-2)	<150mΩ	51mΩ	59mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
77	OP1-12 wrt OP1-32	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
78	OP1-12 wrt OP1-33	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	48mΩ
79	OP1-12 wrt OP1-34	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	48mΩ
80	OP1-12 wrt OP1-35	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
81	OP1-12 wrt OP1-36	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
82	OP1-12 wrt OP1-37	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	48mΩ
83	OP1-12 wrt OP1-38	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
84	OP1-12 wrt OP1-39	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
85	OP1-12 wrt OP1-51	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
86	OP1-12 wrt OP1-52	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	48mΩ
87	OP1-12 wrt OP1-53	BAT_RTN/SQB (sensor-2)	<150mΩ	47mΩ	47mΩ
88	OP1-12 wrt OP1-54	BAT_RTN/SQB (sensor-2)	<150mΩ	46mΩ	46mΩ
89	OP1-12 wrt OP1-55	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	47mΩ
90	OP1-12 wrt OP1-56	BAT_RTN/SQB (sensor-2)	<150mΩ	48mΩ	47mΩ
91	OP1-12 wrt OP1-57	BAT_RTN/SQB (sensor-2)	<150mΩ	47mΩ	47mΩ
92	OP1-12 wrt OP1-58	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
93	OP1-12 wrt OP1-59	BAT_RTN/SQB (sensor-2)	<150mΩ	49mΩ	49mΩ
94	OP2-1 wrt OP2-2	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	56mΩ
95	OP2-1 wrt OP2-3	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	56mΩ
96	OP2-1 wrt OP2-4	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	56mΩ
97	OP2-1 wrt OP2-5	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	56mΩ
98	OP2-1 wrt OP2-6	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	56mΩ
99	OP2-1 wrt OP2-7	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	56mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
100	OP2-1 wrt OP2-8	BAT_RTN/SQB (sensor-3)	<100mΩ	56mΩ	57mΩ
101	OP2-1 wrt OP2-21	BAT_RTN/SQB (sensor-3)	<100mΩ	54mΩ	55mΩ
102	OP2-1 wrt OP2-22	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	55mΩ
103	OP2-1 wrt OP2-23	BAT_RTN/SQB (sensor-3)	<100mΩ	54mΩ	55mΩ
104	OP2-1 wrt OP2-24	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	55mΩ
105	OP2-1 wrt OP2-25	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	55mΩ
106	OP2-1 wrt OP2-26	BAT_RTN/SQB (sensor-3)	<100mΩ	85mΩ	100mΩ
107	OP2-1 wrt OP2-27	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	55mΩ
108	OP2-1 wrt OP2-28	BAT_RTN/SQB (sensor-3)	<100mΩ	55mΩ	55mΩ
109	OP2-1 wrt OP2-40	BAT_RTN/SQB (sensor-3)	<150mΩ	53mΩ	54mΩ
110	OP2-1 wrt OP2-41	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
111	OP2-1 wrt OP2-42	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
112	OP2-1 wrt OP2-43	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
113	OP2-1 wrt OP2-44	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
114	OP2-1 wrt OP2-45	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
115	OP2-1 wrt OP2-46	BAT_RTN/SQB (sensor-3)	<150mΩ	55mΩ	55mΩ
116	OP2-1 wrt OP2-47	BAT_RTN/SQB (sensor-3)	<150mΩ	55mΩ	55mΩ
117	OP2-1 wrt OP2-60	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
118	OP2-1 wrt OP2-61	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
119	OP2-1 wrt OP2-62	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
120	OP2-1 wrt OP2-63	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	55mΩ
121	OP2-1 wrt OP2-64	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	54mΩ
122	OP2-1 wrt OP2-65	BAT_RTN/SQB (sensor-3)	<150mΩ	55mΩ	55mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
123	OP2-1 wrt OP2-66	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	55mΩ
124	OP2-1 wrt OP2-67	BAT_RTN/SQB (sensor-3)	<150mΩ	54mΩ	55mΩ
125	OP2-10 wrt OP2-30	BAT_RTN/VLV	<100mΩ	54mΩ	54mΩ
126	OP2-12 wrt OP2-13	BAT_RTN/SQB (sensor-4)	<100mΩ	55mΩ	56mΩ
127	OP2-12 wrt OP2-14	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	56mΩ
128	OP2-12 wrt OP2-15	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	56mΩ
129	OP2-12 wrt OP2-16	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	57mΩ
130	OP2-12 wrt OP2-17	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	57mΩ
131	OP2-12 wrt OP2-18	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	56mΩ
132	OP2-12 wrt OP2-19	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	56mΩ
133	OP2-12 wrt OP2-20	BAT_RTN/SQB (sensor-4)	<100mΩ	56mΩ	56mΩ
134	OP2-12 wrt OP2-32	BAT_RTN/SQB (sensor-4)	<150mΩ	54mΩ	55mΩ
135	OP2-12 wrt OP2-33	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
136	OP2-12 wrt OP2-34	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
137	OP2-12 wrt OP2-35	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	56mΩ
138	OP2-12 wrt OP2-36	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	56mΩ
139	OP2-12 wrt OP2-37	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	56mΩ
140	OP2-12 wrt OP2-38	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
141	OP2-12 wrt OP2-39	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	56mΩ
142	OP2-12 wrt OP2-51	BAT_RTN/SQB (sensor-4)	<150mΩ	54mΩ	54mΩ
143	OP2-12 wrt OP2-52	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
144	OP2-12 wrt OP2-53	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
145	OP2-12 wrt OP2-54	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
146	OP2-12 wrt OP2-55	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
147	OP2-12 wrt OP2-56	BAT_RTN/SQB (sensor-4)	<150mΩ	54mΩ	55mΩ
148	OP2-12 wrt OP2-57	BAT_RTN/SQB (sensor-4)	<150mΩ	53mΩ	54mΩ
149	OP2-12 wrt OP2-58	BAT_RTN/SQB (sensor-4)	<150mΩ	54mΩ	54mΩ
150	OP2-12 wrt OP2-59	BAT_RTN/SQB (sensor-4)	<150mΩ	55mΩ	55mΩ
151	OP1-49 wrt OP1-50	BAT_RTN/VLV	<150mΩ	46mΩ	46mΩ
152	OP1-49 wrt OP1-69	BAT_RTN/VLV	<150mΩ	45mΩ	45mΩ
153	OP1-49 wrt OP1-70	BAT_RTN/VLV	<150mΩ	45mΩ	45mΩ
154	OP1-49 wrt OP1-71	BAT_RTN/VLV	<150mΩ	71mΩ	71mΩ
155	OP1-49 wrt OP1-72	BAT_RTN/VLV	<150mΩ	71mΩ	71mΩ
156	OP1-49 wrt OP1-73	BAT_RTN/VLV	<150mΩ	70mΩ	70mΩ
157	OP1-49 wrt OP1-74	BAT_RTN/VLV	<150mΩ	71mΩ	70mΩ
158	OP1-49 wrt OP1-75	BAT_RTN/VLV	<150mΩ	69mΩ	69mΩ
159	OP1-49 wrt OP1-76	BAT_RTN/VLV	<150mΩ	70mΩ	70mΩ
160	OP1-49 wrt OP1-77	BAT_RTN/VLV	<150mΩ	69mΩ	69mΩ
161	OP1-49 wrt OP1-78	BAT_RTN/VLV	<150mΩ	69mΩ	69mΩ
162	OP1-49 wrt OP2-49	BAT_RTN/VLV	<150mΩ	55mΩ	54mΩ
163	OP1-49 wrt OP2-50	BAT_RTN/VLV	<150mΩ	55mΩ	55mΩ
164	OP1-49 wrt OP2-69	BAT_RTN/VLV	<150mΩ	55mΩ	54mΩ
165	OP1-49 wrt OP2-70	BAT_RTN/VLV	<150mΩ	55mΩ	55mΩ
166	OP1-49 wrt OP2-71	BAT_RTN/VLV	<150mΩ	66mΩ	66mΩ
167	OP1-49 wrt OP2-72	BAT_RTN/VLV	<150mΩ	66mΩ	66mΩ
168	OP1-49 wrt OP2-73	BAT_RTN/VLV	<150mΩ	65mΩ	65mΩ
169	OP1-49 wrt OP2-74	BAT_RTN/VLV	<150mΩ	65mΩ	66mΩ
170	OP1-49 wrt OP2-75	BAT_RTN/VLV	<150mΩ	65mΩ	65mΩ
171	OP1-49 wrt OP2-76	BAT_RTN/VLV	<150mΩ	65mΩ	65mΩ
172	OP1-49 wrt OP2-77	BAT_RTN/VLV	<150mΩ	64mΩ	64mΩ
173	OP1-49 wrt OP2-78	BAT_RTN/VLV	<150mΩ	64mΩ	64mΩ
174	OP1-1 wrt OP1-12	SQB_RTN-P S1 & S2	<150mΩ	116mΩ	107mΩ
175	OP1-1 wrt OP2-1	SQB_RTN-P S1 & R-S1	<150mΩ	125mΩ	117mΩ
176	OP1-1 wrt OP2-12	SQB_RTN-P S1 & R-S2	<150mΩ	115mΩ	107mΩ
177	MON_OP-40 wrt MON_OP-41	SUPPLY +15V LEM	<100mΩ	44mΩ	44mΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
178	MON_OP-42 wrt MON_OP-43	SUPPLY -15V LEM	<100mΩ	44mΩ	44mΩ
179	MON_OP-52 wrt MON_OP-53	LEM_OP/HF	2 kΩ± 2 %	2.000kΩ	2.000k Ω
180	MON_OP-56 wrt MON_OP-58	LEM_OP/LF	2 kΩ± 2 %	2.000kΩ	2.000k Ω
181	MON_OP-55 wrt MON_OP-70	LEM_OP/HF	2 kΩ± 2 %	2.001kΩ	2.001k Ω
182	MON_OP-60 wrt MON_OP-59	LEM_OP/LF	2 kΩ± 2 %	2.001kΩ	2.001k Ω
183	MON_OP-4 wrt MON_OP-66	Sqb bat coil wrt TM mon	>100MΩ	>100MΩ	>100MΩ
184	MON_OP-4 wrt MON_OP-61	Sqb bat coil wrt ± 15V Rtn	>100MΩ	>100MΩ	>100MΩ
185	MON_OP-8 wrt MON_OP-68	VLV bat coil wrt TM mon	>100MΩ	>100MΩ	>100MΩ
186	MON_OP-8 wrt MON_OP-61	VLV bat coil wrt ± 15V Rtn	>100MΩ	>100MΩ	>100MΩ
187	MON_OP-3 wrt MON_OP-44	Bat All OFF wrt Inst	>100MΩ	>100MΩ	>100MΩ
188	MON_OP-3 wrt OP1-1	Bat All OFF wrt Sqb rtn	>100MΩ	>100MΩ	>100MΩ
189	MON_OP-3 wrt MON_OP-61	Bat All OFF wrt ± 15V Rtn	>100MΩ	>100MΩ	>100MΩ
190	MON_OP-44 wrt MON_OP-4	Inst LiVe wrt SQB Bat coil	>100MΩ	>100MΩ	>100MΩ
191	MON_OP-44 wrt MON_OP-8	Inst LiVe wrt VLV-Bat coil	>100MΩ	>100MΩ	>100MΩ
192	MON_OP-44 wrt OP1-1	Inst LiVe wrt Sqb rtn	>100MΩ	>100MΩ	>100MΩ
193	MON_OP-44 wrt MON_OP-61	Inst LiVe wrt ± 15V Rtn	>100MΩ	>100MΩ	>100MΩ
194	MON_OP-1 wrt MON_OP-4	BAT SQB ON COIL	#90Ω± 9Ω	91.51Ω	91.42 Ω
195	MON_OP-2 wrt MON_OP-4	BAT SQB OFF COIL	#90Ω± 9Ω	92.28Ω	92.18 Ω
196	MON_OP-5 wrt MON_OP-8	BAT VLV ON COIL	#225Ω± 22Ω	227.25Ω	227.08Ω
197	MON_OP-6 wrt MON_OP-8	BAT VLV OFF COIL	#225Ω± 22Ω	227.95Ω	227.78Ω
198	MON_OP-32 wrt OP1-1	SQB bat rtn-P wrt Sqb rtn	<150mΩ	127mΩ	118mΩ
199	MON_OP-33 wrt OP1-1	SQB bat rtn-R wrt Sqb rtn	<150mΩ	130mΩ	121mΩ
200	MON_OP-35 wrt OP1-49	VLV bat rtn-P wrt VLV rtn	<150mΩ	110mΩ	110mΩ
201	MON_OP-36 wrt OP1-49	VLV bat rtn-R wrt VLV rtn	<150mΩ	107mΩ	107mΩ
202	MON_OP-66 wrt MON_OP-32	SQB bat mon-P wrt bat rtn-P	3 kΩ± 2%	3.007kΩ	3.006 kΩ
203	MON_OP-67 wrt MON_OP-33	SQB bat mon-R wrt bat rtn-R	3 kΩ± 2%	3.003kΩ	3.003 kΩ

SI no.	Test Points	Description	Expected	Observed	
				ISRC	FSRC
204	MON_OP-68 wrt MON_OP-35	VLV bat mon-P wrt bat rtn-P	3 kΩ± 2%	3.005kΩ	3.005 kΩ
205	MON_OP-69 wrt MON_OP-36	VLV bat mon-R wrt bat rtn-R	3 kΩ± 2%	3.006kΩ	3.005 kΩ
206	OP1-1 wrt OP1-49	Sqb Rtn wrt VLV Rtn	20 kΩ± 1%	20.00kΩ	20.00 kΩ
207	All connector mounting posts wrt chassis		<100mΩ	<100mΩ	<100mΩ
208	All pins wrt chassis (except PB_R-A to J, RB_R-A to J, OP1-1-8, 12-28, 30, 32-47, 49-63, 69-78, OP2-1-8, 12-28, 30, 32-47, 49-67, 69-78, MON_OP-32, 33, 35, 36, 46-49, 66-69, 74)		>100MΩ	>100MΩ	>100MΩ

If M402(Leach) or 327B(STPI) relays are wired.

Continuity measurement for BAT-RTN with Battery relays ON/OFF condition

Issue Battery ON (SQB) command (28V pulse @ MONOP-1 wrt MONOP-4)

SL No.	Pins	Expected	ISRC	FSRC
1	PB-R-A wrt OP1-1	<100mΩ	82mΩ	74mΩ
2	PB-R-A wrt OP1-12	<100mΩ	42mΩ	41mΩ
3	RB-R-A wrt OP2-1	<100mΩ	52mΩ	51mΩ
4	RB-R-A wrt OP2-12	<100mΩ	42mΩ	42mΩ
5	OP1-1 wrt MON-OP-74	5kΩ±1%	5.001kΩ	5.001kΩ
6	OP2-1 wrt MON-OP-74	5kΩ±1%	5.001kΩ	5.001kΩ

Issue Battery OFF (SQB) command (28V pulse @ MONOP-2 wrt MONOP-4)

SL No.	Pins	Expected	ISRC	FSRC
1	OP1-1 wrt MON-OP-74	10kΩ±1%	10.001kΩ	10.001k Ω
2	OP2-1 wrt MON-OP-74	10kΩ±1%	10.001kΩ	10.001k Ω
3	PB-R-A wrt OP1-1	20kΩ±1%	20.004kΩ	20.004k Ω
4	PB-R-A wrt OP1-12	20kΩ±1%	20.004kΩ	20.004k Ω
5	RB-R-A wrt OP2-1	20kΩ±1%	20.004kΩ	20.004k Ω
6	RB-R-A wrt OP2-12	20kΩ±1%	20.005kΩ	20.005k Ω