

Checklist of SLRU PS3A_1st half

ANNEXURE-1 CONTINUITY TESTS

(Refer section 5.2 of test plan)

SI No	Pin Details	Description	Expected	Observed	
				ISRC	FSRC
1	J1-1 w.r.to J5-12	Bat I i/p wrt Batt.1 Charging i/p	4.998 kΩ to 5.202kΩ	5.107kΩ	5.107kΩ
2	J2-1 w.r.to J5-13	Bat 2 i/p wrt Bat 2 Charging i/p	4.998 kΩ to 5.202kΩ	5.104kΩ	5.104kΩ
3	J5-4 w.r.to J5-1	5V input for Monitoring circuit wrt Battery Status Monitoring line.	0.980 kΩ to 1.020kΩ	1.002kΩ	1.002kΩ
4	J5-7 w.r.to J5-6	Battery OFF CMD : Scubi wrt Hardline	>100MΩ	>100MΩ	>100MΩ
5	J1-9 w.r.to Chassis	Battery I input rtn wrt chassis	0.980 kΩ to 1.020kΩ	1.001kΩ	1.001kΩ
6	J3-18 w.r.to Chassis	Rtn PS2 Ullage Rocket Separation US1/2 SQ1-1 wrt Chassis	0.980 kΩ to 1.020kΩ	1.000kΩ	1.000kΩ
7	J5-10 w.r.to J5-9	PS3 Separation SAFE CMD SCOUT wrt HARD LINE	>100MΩ	>100MΩ	>100MΩ
8	J1-15 w.r.to Chassis	Chassis Pin wrt Chassis	<100mΩ	17mΩ	9m Ω
9	J1-15 w.r.to J2-15		<100mΩ	27mΩ	16m Ω
10	J3-1 w.r.to J3-3	US1/2 SQ:1-1 wrt US3/4 SQ:2-2	700mΩ to 900mΩ	852mΩ	846mΩ
11	J3-2 w.r.to J3-4	US3/4 SQ:1-1 wrt US1/2 SQ:2-2	700mΩ to 900mΩ	845mΩ	841mΩ
12	J3-1 w.r.to J3-2	US1/2 SQ:1-1 wrt US3/4 SQ:1-1	>100MΩ	>100MΩ	>100M Ω
13	J3-5 w.r.to J3-6	RS2-3 SQ:1-1	0.9 Ω - 1.1Ω	1.036 Ω	1.032 Ω
14	J3-5 w.r.to J3-7	RS2-2 SQ:2-2	0.9 Ω - 1.1Ω	1.061 Ω	1.058 Ω
15	J3-5 w.r.to J3-8	RS2-4 SQ:2-2	0.9 Ω - 1.1Ω	1.063 Ω	1.057 Ω
16	J3-9 w.r.to J3-10	RS2-4 SQ:1-1	0.9 Ω - 1.1Ω	1.034 Ω	1.035 Ω
17	J3-9 w.r.to J3-11	RS2-1 SQ:2-2	0.9 Ω - 1.1Ω	1.054 Ω	1.051 Ω
18	J3-9 w.r.to J3-12	RS2-3 SQ:2-2	0.9 Ω - 1.1Ω	1.060 Ω	1.055 Ω
19	J3-6 w.r.to J3-7	RS2-2 SQ:2-2	0.9 Ω - 1.1Ω	1.062 Ω	1.060 Ω
20	J3-6 w.r.to J3-8	RS2-4 SQ:2-2	0.9 Ω - 1.1Ω	1.065 Ω	1.059 Ω
21	J3-7 w.r.to J3-8	RS2-2 SQ:2-2 wrt RS2-4 SQ:2-2	0.9 Ω - 1.1Ω	1.035 Ω	1.031 Ω
22	J3-10 w.r.to J3-11	RS2-1 SQ:2-2	0.9 Ω - 1.1Ω	1.056 Ω	1.051 Ω
23	J3-10 w.r.to J3-12	RS2-3 SQ:2-2	0.9 Ω - 1.1Ω	1.061 Ω	1.056 Ω
24	J3-11 w.r.to J3-12	RS2-1 SQ:2-2 wrt RS2-3 SQ:2-2	0.9 Ω - 1.1Ω	1.037 Ω	1.032 Ω
25	J3-5 w.r.to J3-9	PS2 Retro Rocket Ignition (+) RS2-1 SQ:1-1 wrt RS2-2 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
26	J3-34 w.r.to J4-34	PS3 Motor Ignition SQ (P) :Squib line : 1(+) wrt 2 (+)	1.8 Ω - 2.2Ω	2.049 Ω	2.109 Ω
27	J3-37 w.r.to J4-37	PS3 Motor Ignition SQ (R) :Squib line	1.8 Ω - 2.2Ω	2.061 Ω	2.117 Ω

		: 2(+) wrt 2 (+)			
28	J3-34 w.r.to J3-37	PS3 Motor Ignition SQ: Squib line +ve of P1 wrt R2	>100MΩ	>100MΩ	>100MΩ
29	J3-15 w.r.to J4-15	P+ SQ:1(P) wrt P- SQ:2+ (R)	0.9 Ω - 1.1Ω	1.029 Ω	1.088 Ω
30	J3-16 w.r.to J4-16	P- SQ:1(P) wrt P+ SQ:2 (+)R	0.9 Ω - 1.1Ω	1.028 Ω	1.086 Ω
31	J3-15 w.r.to J3-16	P+ SQ:1(P) wrt P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
32	J3-1 w.r.to J4-1	PS2 Ullage Rocket Separation (+) : US1/2 SQ:1-1 wrt US1/2 SQ:1-2	<100mΩ	37mΩ	94mΩ
33	J3-2 w.r.to J4-2	US3/4 SQ:1-1 wrt US3/4 SQ:1-2	<100mΩ	33mΩ	91mΩ
34	J3-3 w.r.to J4-3	US3/4 SQ:2-2 wrt US3/4 SQ:2-1	<100mΩ	38mΩ	93mΩ
35	J3-4 w.r.to J4-4	US1/2 SQ:2-2 wrt US1/2 SQ:2-1	<100mΩ	30mΩ	89mΩ
36	J3-5 w.r.to J4-5	PS2 Retro Rocket Ignition (+) :RS2-1 SQ:1-1 wrt RS2-1 SQ:1-2	<100mΩ	32mΩ	90mΩ
37	J3-6 w.r.to J4-6	RS2-3 SQ:1-1 wrt RS2-3 SQ:1-2	<100mΩ	31mΩ	88mΩ
38	J3-7 w.r.to J4-7	RS2-2 SQ:2-2 wrt RS2-2 SQ:2-1	<100mΩ	31mΩ	90mΩ
39	J3-8 w.r.to J4-8	RS2-4 SQ:2-2 wrt RS2-4 SQ:2-1	<100mΩ	32mΩ	90mΩ
40	J3-9 w.r.to J4-9	RS2-2 SQ:1-1 wrt RS2-2 SQ:1-2	<100mΩ	35mΩ	92mΩ
41	J3-10 w.r.to J4-10	RS2-4 SQ:1-1 wrt RS2-4 SQ:1-2	<100mΩ	33mΩ	91mΩ
42	J3-11 w.r.to J4-11	RS2-1 SQ:2-2 wrt RS2-1 SQ:2-1	<100mΩ	39mΩ	93mΩ
43	J3-12 w.r.to J4-12	RS2-3 SQ:2-2 wrt RS2-3 SQ:2-1	<100mΩ	34mΩ	93mΩ
44	J8-20 w.r.to J3-38	PS3 Separation : SQ:1 (P) PT (P+) i/p wrt o/p	<100mΩ	42mΩ	37mΩ
45	J3-50 w.r.to J3-38	SQ:1 (P) PT (P+) i/p wrt o/p	>100MΩ	>100MΩ	>100MΩ
46	J3-41 w.r.to J8-21	SQ:2 (P) PT (Y+) o/p wrt SQ:2 (p)PT (Y+) SRM connector	<100mΩ	37mΩ	36mΩ
47	J3-41 w.r.to J3-47	SQ:2 (P) PT (Y+)o/p wrt i/p	>100MΩ	>100MΩ	>100MΩ
48	J3-39 w.r.to J3-40	SQ:2(P) PT (Y+)	<100mΩ	36mΩ	34mΩ
49	J3-39 w.r.to J8-22	SQ:1&2 (P) Rtn	<100mΩ	37mΩ	37mΩ
50	J3-39 w.r.to J3-48	SQ:2 (P) PT (Y+) i/p	>100MΩ	>100MΩ	>100MΩ
51	J3-48 w.r.to J3-49	SQ:2 (P) PT (Y+) i/p return wrt SQ:1 (P) PT (P+) i/p return.	<100mΩ	37mΩ	35mΩ
52	J4-38 w.r.to J8-23	SQ:1(R)PT (P-) SRM connector	<100mΩ	34mΩ	94mΩ
53	J4-38 w.r.to J4-50	SQ:1(R)-PT(P-) i/p	>100MΩ	>100MΩ	>100MΩ
54	J4-41 w.r.to J4-47	SQ:2 (R) PT (Y-) I/P	>100MΩ	>100MΩ	>100MΩ
55	J4-41 w.r.to J8-24	SQ2(R) PT (Y-) SRM connector	<100mΩ	41mΩ	94mΩ
56	J4-39 w.r.to J4-40	SQ:2 (R)-PT (Y-)	<100mΩ	33mΩ	92mΩ
57	J4-39 w.r.to J8-25	SQ 1&2 (R) Rtn	<100mΩ	35mΩ	94mΩ
58	J4-39 w.r.to J4-48	i/p Rtn of SQ:2 (R) PT (Y-)	>100MΩ	>100MΩ	>100MΩ
59	J4-48 w.r.to J4-49	i/p Rtn of SQ:2 (R) PT (Y-)wrt SQ:1 (R) PT (P-)	<100mΩ	46mΩ	23mΩ
60	J6-8 w.r.to J5-19	PS3 Sep: SQUIB S/A Mon. SCUBI	7.35kΩ to 7.65kΩ	7.518kΩ	7.517kΩ
61	J6-8 w.r.to J5-22	Analog Status Mon.(PS3 Sep SQ. S/A)	9.8kΩ to 10.2kΩ	10.027kΩ	10.027kΩ
62	J5-19 w.r.to J5-22	PS3 Separation SQUIB S/A Mon. SCUBI wrt Analog Status Mon.(PS3 Sep SQ. S/A)	7.35kΩ to 7.65kΩ	7.520kΩ	7.519kΩ
63	J5-18 w.r.to J5-19	PS3 Sep SQUIB S/A Mon. SCUBI	11.956kΩ to	12.239kΩ	12.237kΩ

			12.444kΩ		
64	J5-18 w.r.to J5-22	Analog Status Mon.(PS3 Sep: SQ. S/A)	4.606kΩ to 4.794kΩ	4.717kΩ	4.717kΩ
65	J5-18 w.r.to J6-8	+8V i/p for PS3 Sep: SARB	14.406kΩ to 14.994kΩ	14.746kΩ	14.743kΩ
66	J1-1 w.r.to J1-2	28V Battery I input points	<100mΩ	21mΩ	16mΩ
67	J1-1 w.r.to J1-3		<100mΩ	24mΩ	17mΩ
68	J1-1 w.r.to J1-4		<100mΩ	28mΩ	18mΩ
69	J1-1 w.r.to J1-5		<100mΩ	50mΩ	44mΩ
70	J1-9 w.r.to J1-10	Return 28V Battery I input points	<100mΩ	18mΩ	15mΩ
71	J1-9 w.r.to J1-11		<100mΩ	25mΩ	22mΩ
72	J1-9 w.r.to J1-12		<100mΩ	27mΩ	22mΩ
73	J1-9 w.r.to J1-13		<100mΩ	24mΩ	22mΩ
74	J1-9 w.r.to J5-24	Battery Charging Rtn. (BAT.1)	<100mΩ	28mΩ	25mΩ
75	J1-9 w.r.to J5-15	Battery Voltage Mon. Rtn. Batt.1	<100mΩ	17mΩ	17mΩ
76	J5-14 w.r.to J5-17	Battery status Mon. return wrt 5VRtn	<100mΩ	22mΩ	27mΩ
77	J2-1 w.r.to J2-2	28V Battery II input points	<100mΩ	21mΩ	16mΩ
78	J2-1 w.r.to J2-3		<100mΩ	24mΩ	17mΩ
79	J2-1 w.r.to J2-4		<100mΩ	29mΩ	18mΩ
80	J2-1 w.r.to J2-5		<100mΩ	38mΩ	32mΩ
81	J2-9 w.r.to J2-10	Return 28V Battery II input points	<100mΩ	37mΩ	34mΩ
82	J2-9 w.r.to J2-11		<100mΩ	45mΩ	39mΩ
83	J2-9 w.r.to J2-12		<100mΩ	46mΩ	40mΩ
84	J2-9 w.r.to J2-13		<100mΩ	42mΩ	39mΩ
85	J2-9 w.r.to J5-25	Battery Charging Rtn. (BAT.2)	<100mΩ	39mΩ	38mΩ
86	J2-9 w.r.to J5-16	Battery Voltage Mon. Rtn. Batt.2	<100mΩ	34mΩ	30mΩ
87	J3-18 w.r.to J3-19	US3/4 SQ1-1	<100mΩ	4mΩ	4mΩ
88	J3-18 w.r.to J3-20	US3/4 SQ2-2	<100mΩ	5mΩ	4mΩ
89	J3-18 w.r.to J3-21	US1/2 SQ2-2	<100mΩ	34mΩ	28mΩ
90	J3-18 w.r.to J3-22	RS2-1 SQ:1-1	<100mΩ	6mΩ	7mΩ
91	J3-18 w.r.to J3-23	RS2-3 SQ:1-1	<100mΩ	18mΩ	23mΩ
92	J3-18 w.r.to J3-24	RS2-2 SQ:2-2	<100mΩ	15mΩ	12mΩ
93	J3-18 w.r.to J3-25	RS2-4 SQ:2-2	<100mΩ	4mΩ	4mΩ
94	J3-18 w.r.to J3-26	RS2-2 SQ:1-1	<100mΩ	9mΩ	6mΩ
95	J3-18 w.r.to J3-27	RS2-4 SQ:1-1	<100mΩ	6mΩ	4mΩ
96	J3-18 w.r.to J3-28	RS2-1 SQ:2-2	<100mΩ	51mΩ	39mΩ
97	J3-18 w.r.to J3-29	RS2-3 SQ:2-2	<100mΩ	3mΩ	23mΩ
98	J3-18 w.r.to J3-32	BC P+ SQ:1(P)	<100mΩ	14mΩ	8mΩ
99	J3-18 w.r.to J3-33	BC P- SQ:1(P)	<100mΩ	7mΩ	5mΩ
100	J3-18 w.r.to J3-35	Rtn of PS3 Motor Ignition SQ: (P) -1	<100mΩ	4mΩ	4mΩ
101	J3-18 w.r.to J3-36	Rtn PS3 Motor Ignition SQ: (R) -2	<100mΩ	15mΩ	12mΩ
102	J3-18 w.r.to J4-18	US1/2 SQ:1-2	<100mΩ	23mΩ	94mΩ
103	J3-18 w.r.to J4-19	US3/4 SQ:1-2	<100mΩ	24mΩ	79mΩ
104	J3-18 w.r.to J4-20	US3/4 SQ:2-1	<100mΩ	21mΩ	80mΩ
105	J3-18 w.r.to J4-21	US1/2 SQ:2-1	<100mΩ	27mΩ	86mΩ
106	J3-18 w.r.to J4-22	RS2-1 SQ:1-2	<100mΩ	28mΩ	82mΩ

107	J3-18 w.r.to J4-23	RS2-3 SQ:1-2	<100mΩ	27mΩ	82mΩ
108	J3-18 w.r.to J4-24	RS2-2 SQ:2-1	<100mΩ	36mΩ	98mΩ
109	J3-18 w.r.to J4-25	RS2-4 SQ:2-1	<100mΩ	22mΩ	78mΩ
110	J3-18 w.r.to J4-26	RS2-2 SQ:1-2	<100mΩ	22mΩ	78mΩ
111	J3-18 w.r.to J4-28	RS2-4 SQ:1-2	<100mΩ	21mΩ	78mΩ
112	J3-18 w.r.to J4-29	RS2-1 SQ:2-1	<100mΩ	26mΩ	78mΩ
113	J3-18 w.r.to J4-32	BC P(-) SQ:2	<100mΩ	25mΩ	80mΩ
114	J3-18 w.r.to J4-33	BC P(-) SQ:2	<100mΩ	21mΩ	79mΩ
115	J3-18 w.r.to J4-35	Rtn of PS3 Motor Ignition SQ:(P)-2	<100mΩ	27mΩ	78mΩ
116	J3-18 w.r.to J4-36	Rtn PS3 Motor Ignition SQ:(R)-1	<100mΩ	25mΩ	86mΩ
117	J6-2 w.r.to J6-1	28V from CEM EB Live	>100MΩ	>100MΩ	>100MΩ
118	J7-2 w.r.to J7-1	Wrt PS3 Motor Ignition- CP wrt PS3 Motor Ignition- CR	>100MΩ	>100MΩ	>100MΩ
119	J6-2 w.r.to J7-2	PS3 Motor Ignition -CP wrt CR	<100mΩ	59mΩ	18mΩ
120	J6-3 w.r.to J7-3	PS2 Retro Rocket Ignition - CP wrt CR	<100mΩ	45mΩ	89mΩ
121	J6-5 w.r.to J7-5	PS2 Ullage Rocket Separation-CP wrt CR	<100mΩ	59mΩ	55mΩ
122	J6-10 w.r.to J7-10	PS3 Motor Ignition -/CP wrt /CR	<100mΩ	29mΩ	52mΩ
123	J6-11 w.r.to J7-11	PS2 Retro Rocket Ignition- /CP wrt /CR	<100mΩ	40mΩ	52mΩ
124	J6-13 w.r.to J7-13	PS2 Separation - /CP wrt /CR	<100mΩ	40mΩ	83mΩ
125	J6-14 w.r.to J7-14	PS2 Separation - /CP wrt /CR	<100mΩ	46mΩ	69mΩ
126	J6-6 w.r.to J7-6	PS2 Separation - CP wrt CR	<100mΩ	50mΩ	56mΩ
127	J7-10 w.r.to J7-1	PS3 Motor Ignition -/CR	>100MΩ	>100MΩ	>100MΩ
128	J7-11 w.r.to J7-1	PS2 Retro Rocket Ignition -/CR	>100MΩ	>100MΩ	>100MΩ
129	J7-13 w.r.to J7-1	PS2 Ullage Rocket Separation - /CR	>100MΩ	>100MΩ	>100MΩ
130	J7-14 w.r.to J7-1	PS2 Separation - /CR	>100MΩ	>100MΩ	>100MΩ
131	J6-2 w.r.to J7-1	PS3 Motor Ignition - CP	>100MΩ	>100MΩ	>100MΩ
132	J6-3 w.r.to J7-1	PS2 Retro Rocket Ignition- CP	>100MΩ	>100MΩ	>100MΩ
133	J6-5 w.r.to J7-1	PS2 Ullage rocket -Separation - CP	>100MΩ	>100MΩ	>100MΩ
134	J6-6 w.r.to J7-1	PS2 Separation- CP	>100MΩ	>100MΩ	>100MΩ
135	J6-10 w.r.to J7-1	PS3 Motor Ignition - /CP	>100MΩ	>100MΩ	>100MΩ
136	J6-11 w.r.to J7-1	PS2 Retro Rocket Ignition - /CP	>100MΩ	>100MΩ	>100MΩ
137	J6-13 w.r.to J7-1	PS2 Ullage Rocket Separation - /CP	>100MΩ	>100MΩ	>100MΩ
138	J6-14 w.r.to J7-1	PS2 Separation - /CP	>100MΩ	>100MΩ	>100MΩ
139	J7-2 w.r.to J6-1	PS3 Motor Ignition -CR	>100MΩ	>100MΩ	>100MΩ
140	J7-3 w.r.to J6-1	PS2 Retro Rocket Ignition -CR	>100MΩ	>100MΩ	>100MΩ
141	J7-5 w.r.to J6-1	PS2 Ullage Rocket Separation - CR	>100MΩ	>100MΩ	>100MΩ
142	J7-6 w.r.to J6-1	PS2 Separation - CR	>100MΩ	>100MΩ	>100MΩ
143	J6-2 w.r.to J6-1	PS3 Motor Ignition -CP	>100MΩ	>100MΩ	>100MΩ
144	J6-3 w.r.to J6-1	PS2 Retro Rocket Ignition - CP	>100MΩ	>100MΩ	>100MΩ
145	J6-5 w.r.to J6-1	PS2 Ullage Rocket Separation- CP	>100MΩ	>100MΩ	>100MΩ
146	J6-6 w.r.to J6-1	PS2 Separation - CP	>100MΩ	>100MΩ	>100MΩ
147	J6-10 w.r.to J6-1	PS3 Motor Ignition - /CP	>100MΩ	>100MΩ	>100MΩ
148	J6-11 w.r.to J6-1	PS2 Retro Rocket Ignition - /CP	>100MΩ	>100MΩ	>100MΩ
149	J6-13 w.r.to J6-1	PS2 Ullage Rocket Separation - /CP	>100MΩ	>100MΩ	>100MΩ
150	J6-14 w.r.to J6-1	PS2 Separation - /CP	>100MΩ	>100MΩ	>100MΩ
151	J7-10 w.r.to J6-1	PS3 Motor Ignition - /CR	>100MΩ	>100MΩ	>100MΩ
152	J7-11 w.r.to J6-1	PS2 Retro Rocket Ignition -/CR	>100MΩ	>100MΩ	>100MΩ

153	J7-13 w.r.to J6-1	PS2 Ullage Rocket Separation – /CR PS2 Separation – /CR	>100MΩ	>100MΩ	>100MΩ
154	J7-14 w.r.to J6-1		>100MΩ	>100MΩ	>100MΩ
155	J5-8 w.r.to J5-20	Bat ON CMD(SCUBI) & SCUBI Rtn Bat ON/OFF CMD	75Ω ±7.5Ω	75.834 Ω	75.353 Ω
156	J5-7 w.r.to J5-20	Bat OFF CMD(SCUBI) & SCUBI Rtn Bat ON/OFF CMD	75Ω ±7.5Ω	76.745 Ω	76.253 Ω
157	J5-11 w.r.to J5-21	PS3 Sepn ARM CMD(SCUBI)& SCUBI Rtn for SAFE/ARM CMD	150Ω ±15Ω	151.881Ω	150.972Ω
158	J5-10 w.r.to J5-21	PS3 Sepn SAFE CMD(SCUBI)& SCUBI Rtn for SAFE/ARM CMD	150Ω ±15Ω	153.269Ω	152.364Ω
159	J6-6 w.r.to J6-2	PS2 Separation –CP wrt :PS3 Motor Ignition – CP,PS2 Retro Rocket Ignition – CP	290Ω -350Ω	319.050Ω	315.293Ω
160	J6-6 w.r.to J6-3	PS2 Separation –CP wrt :PS3 Motor Ignition – CP,PS2 Retro Rocket Ignition – CP	290Ω -350Ω	320.10 Ω	316.39 Ω
161	J6-2 w.r.to J6-3	PS3 Motor Ignition – CP wrt PS2 Retro Rocket Ignition – CP	290Ω -350Ω	320.01 Ω	316.278Ω
162	J6-6 w.r.to J6-5	PS2 Separation – CP wrt PS2 Ullage Rocket Separation – CP	290Ω -350Ω	320.35 Ω	316.67 Ω
163	J6-14 w.r.to J6-10	PS2 Separation – /CP wrt PS3 Motor Ignition – /CP,PS2 Retro Rocket Ignition – /CP	290Ω -350Ω	320.55 Ω	316.779Ω
164	J6-14 w.r.to J6-11		290Ω -350Ω	322.143Ω	318.393Ω
165	J6-10 w.r.to J6-11	PS3 Motor Ignition – /CP wrt PS2 Retro Rocket Ignition – /CP	290Ω -350Ω	321.08 Ω	317.322Ω
166	J6-14 w.r.to J6-13	PS2 Separation – /CP wrt PS2 Ullage Rocket Sep: – /CP	290Ω -350Ω	321.494Ω	317.832Ω
167	J1-1 w.r.to J2-1	28V Battery I i/p wrt Bat II i/p	>100MΩ	>100MΩ	>100MΩ
168	J1-1 w.r.to J5-4	28V Battery I i/p wrt 5V for Mon. circuit	>100MΩ	>100MΩ	>100MΩ
169	J2-1 w.r.to J5-4	28V Battery II i/p wrt 5V i/p for Mon. circuit	>100MΩ	>100MΩ	>100MΩ
170	J1-1 w.r.to J5-17	28V Battery I i/p wrt 5V Return	>100MΩ	>100MΩ	>100MΩ
171	J1-9 w.r.to J5-17	Return 28V Battery I i/p wrt 5V Return	>100MΩ	>100MΩ	>100MΩ
172	J2-1 w.r.to J5-17	28V Battery II i/p wrt 5V Return	>100MΩ	>100MΩ	>100MΩ
173	J2-9 w.r.to J5-17	Return 28V Battery II i/p wrt 5V Return	>100MΩ	>100MΩ	>100MΩ
174	J1-9 w.r.to J2-9	28V Battery I & II INPUT Returns	1.960kΩ to 2.040kΩ	2.002kΩ	2.002kΩ
175	J2-9 w.r.to Chassis	Return 28V Battery II input wrt Chassis	0.980kΩ to 1.020kΩ	1.001kΩ	1.006kΩ
176	J1-9 w.r.to Chassis	Return 28V Battery I input wrt Chassis	0.980kΩ to 1.020kΩ	1.001kΩ	1.001kΩ
177	J3-1 w.r.to J3-5	RS2-1 SQ:1-1 PS2 Retro Rocket Ignition	>100MΩ	>100MΩ	>100MΩ
178	J3-1 w.r.to J3-9	RS2-2 SQ:1-1 PS2 Retro Rocket Ignition (+)	>100MΩ	>100MΩ	>100MΩ

179	J3-1 w.r.to J3-34	SQ: (P) -1 (+) PS3 Motor Ignition o/p	>100MΩ	>100MΩ	>100MΩ
180	J3-1 w.r.to J3-15	PS2 Sep: BC P+ SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
181	J3-1 w.r.to J3-16	PS2 Sep: BC P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
182	J3-1 w.r.to J3-38	PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
183	J3-1 w.r.to J3-41	PS3 Sep: SQ:2 (P) PT (Y+)	>100MΩ	>100MΩ	>100MΩ
184	J3-1 w.r.to J3-39	Rtn PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
185	J3-1 w.r.to J4-38	PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
186	J3-1 w.r.to J4-41	PS3 Sep: SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
187	J3-1 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
188	J3-2 w.r.to J3-5	PS2 Retro Rocket Ignition (+) RS2-1 SQ:1-1	>100MΩ	>100 MΩ	>100MΩ
189	J3-2 w.r.to J3-9	PS2 Retro Rocket Ignition (+) RS2-2 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
190	J3-2 w.r.to J3-34	PS3 Motor Ignition SQ:(P) -1 (+)	>100MΩ	>100MΩ	>100MΩ
191	J3-2 w.r.to J3-37	PS3 Motor Ignition SQ:l-2 (+)	>100MΩ	>100MΩ	>100MΩ
192	J3-2 w.r.to J3-15	PS2 Sep: BC P+ SQ:1 (P)	>100MΩ	>100MΩ	>100MΩ
193	J3-2 w.r.to J3-16	PS2 Sep: BC P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
194	J3-2 w.r.to J3-38	PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
195	J3-2 w.r.to J3-41	PS3 Sep: SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
196	J3-2 w.r.to J3-39	Return PS3 Sep: SQ:1(P) PT (P+)	>100MΩ	>100 MΩ	>100MΩ
197	J3-2 w.r.to J4-38	PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
198	J3-2 w.r.to J4-41	PS3 Sep: SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
199	J3-2 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
200	J3-34 w.r.to J3-15	PS2 Sep: BC P+ SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
201	J3-34 w.r.to J3-16	PS2 Sep: BC P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
202	J3-34 w.r.to J3-38	PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
203	J3-34 w.r.to J3-39	Rtn PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
204	J3-34 w.r.to J3-41	PS3 Sep: SQ:2(R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
205	J3-34 w.r.to J4-38	PS3 Sep: SQ:1 (R) -PT (P-)	>100MΩ	>100 MΩ	>100MΩ
206	J3-34 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
207	J3-34 w.r.to J4-41	PS3 Sep: SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
208	J3-5 w.r.to J3-34	SQ: (P) -1 (+) PS3Motor Ignition	>100MΩ	>100MΩ	>100MΩ
209	J3-5 w.r.to J3-37	SQ: (R) -2 (+) PS3Motor Ignition	>100MΩ	>100MΩ	>100MΩ
210	J3-5 w.r.to J3-15	PS2 Separation BC P+ SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
211	J3-5 w.r.to J3-16	PS2 Separation BC P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
212	J3-5 w.r.to J3-38	PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
213	J3-5 w.r.to J3-41	PS3 Separation SQ:2 I-PT (Y-)	>100MΩ	>100MΩ	>100MΩ
214	J3-5 w.r.to J3-39	Rtn PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
215	J3-5 w.r.to J4-38	PS3 Separation SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
216	J3-5 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
217	J3-5 w.r.to J4-41	PS3 Sep:SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
218	J3-9 w.r.to J3-34	SQ: (P) -1 (+) PS3Motor Ignition	>100MΩ	>100MΩ	>100MΩ
219	J3-9 w.r.to J3-37	SQ: (R) -2 (+) PS3Motor Ignition	>100MΩ	>100MΩ	>100MΩ
220	J3-9 w.r.to J3-15	PS2 Separation BC P+ SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
221	J3-9 w.r.to J3-16	PS2 Separation BC P- SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
222	J3-9 w.r.to J3-38	PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
223	J3-9 w.r.to J3-41	PS3 Separation SQ:2 I-PT (Y-)	>100MΩ	>100MΩ	>100MΩ

224	J3-9 w.r.to J3-39	Rtn PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
225	J3-9 w.r.to J4-38	PS3 Separation SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
226	J3-9 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
227	J3-9 w.r.to J4-41	PS3 Sep: SQ:2 (R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
228	J3-37 w.r.to J3-15	PS2 Sep: BC P+ SQ:1 (P)	>100MΩ	>100MΩ	>100MΩ
229	J3-37 w.r.to J3-16	PS2 Sep: BC P– SQ:1 (P)	>100MΩ	>100MΩ	>100MΩ
230	J3-37 w.r.to J3-38	PS3 Sep: SQ:1(P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
231	J3-37 w.r.to J3-41	PS3 Sep: SQ:2 (R) - PT (Y-)	>100MΩ	>100MΩ	>100MΩ
232	J3-37 w.r.to J3-39	Rtn PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
233	J3-37 w.r.to J4-38	PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
234	J3-37 w.r.to J4-41	PS3 Sep: SQ:2 (R) –PT (Y-)	>100MΩ	>100MΩ	>100MΩ
235	J3-37 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
236	J3-15 w.r.to J3-38	PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
237	J3-15 w.r.to J3-41	PS3 Sep: SQ:2 (R) –PT (Y-)	>100MΩ	>100MΩ	>100MΩ
238	J3-15 w.r.to J3-39	Rtn PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
239	J3-15 w.r.to J4-38	PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
240	J3-15 w.r.to J4-41	PS3 Sep: SQ:2 (R) –PT (Y-)	>100MΩ	>100MΩ	>100MΩ
241	J3-15 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
242	J3-16 w.r.to J3-38	PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
243	J3-16 w.r.to J3-41	PS3 Sep: SQ:2 (R) –PT (Y-)	>100MΩ	>100MΩ	>100MΩ
244	J3-16 w.r.to J3-39	Rtn PS3 Sep: SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
245	J3-16 w.r.to J4-38	PS3 Sep: SQ:1 (R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
246	J3-16 w.r.to J4-41	PS3 Sep: SQ:2 (R) –PT (Y-)	>100MΩ	>100MΩ	>100MΩ
247	J3-16 w.r.to J4-39	Rtn PS3 Sep: SQ:1(R) –PT (P-)	>100MΩ	>100MΩ	>100MΩ
248	Chassis w.r.to J3-1	Chassis wrt PS2 Ullage Rocket Sep: (+) US1/2 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
249	Chassis w.r.to J3-2	“ “ (+) US3/4 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
250	Chassis w.r.to J3-3	“ “ (+) US3/4 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
251	Chassis w.r.to J3-4	“ “ (+) US1/2 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
252	Chassis w.r.to J3-5	Chassis wrt PS2 Retro Rocket Ignition (+)RS2-1 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
253	Chassis w.r.to J3-6	“ “ (+ RS2-3 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
254	Chassis w.r.to J3-7	“ “ (+) RS2-2 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
255	Chassis w.r.to J3-8	“ “ (+) RS2-4 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
256	Chassis w.r.to J3-9	“ “ (+) RS2-2 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
257	Chassis w.r.to J3-10	“ “ (+) RS2-4 SQ:1-1	>100MΩ	>100MΩ	>100MΩ
258	Chassis w.r.to J3-11	“ “ (+) RS2-1 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
259	Chassis w.r.to J3-12	“ “ (+) RS2-3 SQ:2-2	>100MΩ	>100MΩ	>100MΩ
260	Chassis w.r.to J3-15	Chassis wrt PS2 Separation BC P+ SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
261	Chassis w.r.to J3-16	“ “ P– SQ:1(P)	>100MΩ	>100MΩ	>100MΩ
262	Chassis w.r.to J3-17	Chassis wrt Midpoint of RL5-6	>100MΩ	>100MΩ	>100MΩ
263	Chassis w.r.to J3-37	Chassis wrt PS3 Motor Ignition SQ: I -2 (+)	>100MΩ	>100MΩ	>100MΩ
264	Chassis w.r.to J3-38	Chassis wrt PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ
265	Chassis w.r.to J3-39	Chassis wrt Rtn PS3 Separation SQ:1 (P) PT (P+)	>100MΩ	>100MΩ	>100MΩ

266	Chassis w.r.to J3-40	“ “ SQ:2 (P) PT (Y+)	>100MΩ	>100MΩ	>100MΩ
267	Chassis w.r.to J3-41	Chassis wrt PS3 Separation SQ:2 (P) PT(Y+)	>100MΩ	>100MΩ	>100MΩ
268	Chassis w.r.to J3-44	Chassis wrt Connector Identification	>100MΩ	>100MΩ	>100MΩ
269	Chassis w.r.to J3-45		>100MΩ	>100MΩ	>100MΩ
270	Chassis w.r.to J3-47	Chassis wrt PS3 Separation SQ:2 (P) PT(Y+) i/p	>100MΩ	>100MΩ	>100MΩ
271	Chassis w.r.to J3-50	“ “ SQ:1 (P) PT(P+) i/p	>100MΩ	>100MΩ	>100MΩ
272	Chassis w.r.to J4-1	Chassis wrt PS2 Ullage Rocket Sep:(+) US1/2 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
273	Chassis w.r.to J4-2	“ “ (+) US3/4 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
274	Chassis w.r.to J4-3	“ “ (+) US3/4 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
275	Chassis w.r.to J4-4	“ “ (+) US1/2 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
276	Chassis w.r.to J4-5	“ wrt PS2 Retro Rocket Ignition (+) RS2-1 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
277	Chassis w.r.to J4-6	“ “ (+) RS2-3 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
278	Chassis w.r.to J4-7	“ “ (+) RS2-2 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
279	Chassis w.r.to J4-8	“ “ (+) RS2-4 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
280	Chassis w.r.to J4-9	“ “ (+) RS2-2 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
281	Chassis w.r.to J4-10	“ “ (+) RS2-4 SQ:1-2	>100MΩ	>100MΩ	>100MΩ
282	Chassis w.r.to J4-11	“ “ (+) RS2-1 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
283	Chassis w.r.to J4-12	“ “ (+) RS2-3 SQ:2-1	>100MΩ	>100MΩ	>100MΩ
284	Chassis w.r.to J4-15	Chassis wrt PS2 Separation BC P- SQ:2 (+) R	>100MΩ	>100MΩ	>100MΩ
285	Chassis w.r.to J4-16	“ “ P+ SQ:2 (+) R	>100MΩ	>100MΩ	>100MΩ
286	Chassis w.r.to J4-17	“ wrt Midpoint of RL5-6	>100MΩ	>100MΩ	>100MΩ
287	Chassis w.r.to J4-37	Chassis wrt PS3 Motor Ignition SQ: 1-2 (+)	>100MΩ	>100MΩ	>100MΩ
288	Chassis w.r.to J4-38	“ wrt PS3 Sep: SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
289	Chassis w.r.to J4-39	Chassis wrt Rtn PS3 Separation SQ:1(R) -PT (P-)	>100MΩ	>100MΩ	>100MΩ
290	Chassis w.r.to J4-40	“ “ SQ:2(R) -PT (Y-)	>100MΩ	>100MΩ	>100MΩ
291	Chassis w.r.to J4-41	Chassis wrt PS3 Separation SQ:2 (R) -PT(Y-)	>100MΩ	>100MΩ	>100MΩ
292	Chassis w.r.to J4-43	Chassis wrt Connector Identification	>100MΩ	>100MΩ	>100MΩ
293	Chassis w.r.to J4-44		>100MΩ	>100MΩ	>100MΩ
294	Chassis w.r.to J4-47	Chassis wrt PS3 Separation SQ:2 (R) PT (Y-) I/P	>100MΩ	>100MΩ	>100MΩ
295	Chassis w.r.to J4-50	“ “ SQ:1(R) PT (P-) I/P	>100MΩ	>100MΩ	>100MΩ
296	Chassis w.r.to J5-1	Chassis wrt Battery Status Mon.	>100MΩ	>100MΩ	>100MΩ
297	Chassis w.r.to J5-4	Chassis wrt 5V input for Mon. circuit	>100MΩ	>100MΩ	>100MΩ
298	Chassis w.r.to J5-5	Chassis wrt Connector Identification	>100MΩ	>100MΩ	>100MΩ
299	Chassis w.r.to J5-6	Chassis wrt Battery OFF CMD (Hard Line)	>100MΩ	>100MΩ	>100MΩ
300	Chassis w.r.to J5-7	Chassis wrt Battery OFF	>100MΩ	>100MΩ	>100MΩ

		CMD(SCOUT)			
301	Chassis w.r.to J5-8	“ wrt Battery ON CMD(SCOUT)	>100MΩ	>100MΩ	>100MΩ
302	Chassis w.r.to J5-9	“ wrt PS3 Sep: SAFE CMD(HARD LINE)	>100MΩ	>100MΩ	>100MΩ
303	Chassis w.r.to J5-10	“ “ (SCOUT)	>100MΩ	>100MΩ	>100MΩ
304	Chassis w.r.to J5-14	Chassis wrt Battery status Mon. rtn	>100MΩ	>100MΩ	>100MΩ
305	Chassis w.r.to J5-17	Chassis wrt 5V Return	>100MΩ	>100MΩ	>100MΩ
306	Chassis w.r.to J5-18	“ wrt PS3 Separation SQUIB S/A Mon. SCOUT Return.	>100MΩ	>100MΩ	>100MΩ
307	Chassis w.r.to J5-19	“ wrt PS3 Separation SQUIB S/A Mon. SCOUT	>100MΩ	>100MΩ	>100MΩ
308	Chassis w.r.to J5-20	Chassis wrt SCOUT Rtn.Bat.ON/OFF CMD	>100MΩ	>100MΩ	>100MΩ
309	Chassis w.r.to J5-21	Chassis wrt SCOUT Rtn.For SAFE/ARM CMD	>100MΩ	>100MΩ	>100MΩ
310	Chassis w.r.to J5-22	Chassis wrt Analog Status Mon. (PS3 Separation SQUIB S/A)	>100MΩ	>100MΩ	>100MΩ
311	Chassis w.r.to J5-23	Chassis wrt Battery ON/OFF CMD Rtn. (Hard line)	>100MΩ	>100MΩ	>100MΩ
312	J5-20 w.r.to J5-23	SCOUT Rtn. Bat.ON/OFF CMD wrt Battery ON/OFF CMD Rtn.	<100mΩ	70m Ω	68mΩ
313	J6-1 w.r.to J7-1	28V from CEM EB Live	>100MΩ	>100MΩ	>100MΩ
314	J6-1 w.r.to J6-15	28V from CEM EB Live	<100mΩ	>100MΩ	>100MΩ
315	J7-1 w.r.to J7-15	28V from CEM EB Live	<100mΩ	>100MΩ	>100MΩ

(STPI) Relays are wired.

Isolation Test

Sl. No	Pin Details	Description	Observed		Expected
			ISRC	FSRC	
1.	J1-1 wrt J3-17	28V P battery i/p wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ
2.	J1-1 wrt J4-17	28V P battery i/p wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ
3.	J1-1 wrt J8-1	28V P battery i/p wrt midpoint of RL 7-8	>100MΩ	>100MΩ	>100MΩ
4.	J1-1 wrt J8-2	28V P battery i/p wrt midpoint of RL 7-8	>100MΩ	>100MΩ	>100MΩ
5.	J1-1 wrt J8-7	28V P battery i/p wrt midpoint of RL 13-14	>100MΩ	>100MΩ	>100MΩ
6.	J1-1 wrt J8-8	28V P battery i/p wrt midpoint of RL 13-14	>100MΩ	>100MΩ	>100MΩ
7.	J1-1 wrt J8-9	28V P battery i/p wrt midpoint of RL 15-16	>100MΩ	>100MΩ	>100MΩ
8.	J1-1 wrt J8-10	28V P battery i/p wrt midpoint of RL 15-16	>100MΩ	>100MΩ	>100MΩ
9.	J1-1 wrt J8-11	28V P battery i/p wrt midpoint of RL 21-22	>100MΩ	>100MΩ	>100MΩ
10.	J1-1 wrt J8-12	28V P battery i/p wrt midpoint of RL 21-22	>100MΩ	>100MΩ	>100MΩ
11.	J1-1 wrt J8-13	28V P battery i/p wrt midpoint of RL 23-24	>100MΩ	>100MΩ	>100MΩ
12.	J1-1 wrt J8-14	28V P battery i/p wrt midpoint of RL 23-24	>100MΩ	>100MΩ	>100MΩ
13.	J1-1 wrt J8-15	28V P battery i/p wrt midpoint of RL 25-26	>100MΩ	>100MΩ	>100MΩ
14.	J1-1 wrt J8-16	28V P battery i/p wrt midpoint of RL 25-26	>100MΩ	>100MΩ	>100MΩ
15.	J1-1 wrt J8-17	28V P battery i/p wrt midpoint of RL 27-28	>100MΩ	>100MΩ	>100MΩ
16.	J1-1 wrt J8-18	28V P battery i/p wrt midpoint of RL 27-28	>100MΩ	>100MΩ	>100MΩ
17.	J1-1 wrt J1-10	28V P battery i/p wrt 28V P battery i/p return	>100MΩ	>100MΩ	>100MΩ
18.	J1-1 wrt J2-9	28V P battery i/p wrt 28V R battery i/p return	>100MΩ	>100MΩ	>100MΩ
19.	J2-1 wrt J2-9	28V R battery i/p wrt 28V R battery i/p return	>100MΩ	>100MΩ	>100MΩ
20.	J1-10 wrt J2-1	28V P battery i/p return wrt 28V R battery i/p	>100MΩ	>100MΩ	>100MΩ
21.	J5-1 wrt J5-17	Battery status Mon. wrt 5V return	>100MΩ	>100MΩ	>100MΩ
22.	J1-9 wrt J7-1	28V P battery i/p return wrt 28V from CEM EB live	>100MΩ	>100MΩ	>100MΩ
23.	J1-9 wrt J6-15	28V P battery i/p return wrt 28V from CEM EB live	>100MΩ	>100MΩ	>100MΩ
24.	J2-9 wrt J7-1	28V R battery i/p return wrt 28V from CEM EB live	>100MΩ	>100MΩ	>100MΩ
25.	J2-9 wrt J6-15	28V R battery i/p return wrt 28V from CEM EB live	>100MΩ	>100MΩ	>100MΩ
26.	J6-1 wrt J3-17	28V from CEM EB live wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ
27.	J6-1 wrt J4-17	28V from CEM EB live wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ
28.	J6-1 wrt J8-1	28V from CEM EB live wrt midpoint of RL 7-8	>100MΩ	>100MΩ	>100MΩ
29.	J6-1 wrt J8-2	28V from CEM EB live wrt midpoint of RL 7-8	>100MΩ	>100MΩ	>100MΩ
30.	J6-1 wrt J8-7	28V from CEM EB live wrt midpoint of RL 13-14	>100MΩ	>100MΩ	>100MΩ
31.	J6-1 wrt J8-8	28V from CEM EB live wrt midpoint of RL 13-14	>100MΩ	>100MΩ	>100MΩ
32.	J6-1 wrt J8-9	28V from CEM EB live wrt midpoint of RL 15-16	>100MΩ	>100MΩ	>100MΩ
33.	J6-1 wrt J8-10	28V from CEM EB live wrt midpoint of RL 15-16	>100MΩ	>100MΩ	>100MΩ
34.	J6-1 wrt J8-11	28V from CEM EB live wrt midpoint of RL 21-22	>100MΩ	>100MΩ	>100MΩ
35.	J6-1 wrt J8-12	28V from CEM EB live wrt midpoint of RL 21-22	>100MΩ	>100MΩ	>100MΩ
36.	J6-1 wrt J8-13	28V from CEM EB live wrt midpoint of RL 23-24	>100MΩ	>100MΩ	>100MΩ
37.	J6-1 wrt J8-14	28V from CEM EB live wrt midpoint of RL 23-24	>100MΩ	>100MΩ	>100MΩ
38.	J6-1 wrt J8-15	28V from CEM EB live wrt midpoint of RL 25-26	>100MΩ	>100MΩ	>100MΩ
39.	J6-1 wrt J8-16	28V from CEM EB live wrt midpoint of RL 25-26	>100MΩ	>100MΩ	>100MΩ
40.	J6-1 wrt J8-17	28V from CEM EB live wrt midpoint of RL 27-28	>100MΩ	>100MΩ	>100MΩ
41.	J6-1 wrt J8-18	28V from CEM EB live wrt midpoint of RL 27-28	>100MΩ	>100MΩ	>100MΩ
42.	J7-1 wrt J3-17	28V from CEM EB live wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ
43.	J7-1 wrt J4-17	28V from CEM EB live wrt midpoint of RL 5-6	>100MΩ	>100MΩ	>100MΩ