

Description of Testing: J-STD-004B ECM TESTING PER IPC-TM-650 2.6.14.19

Board Identifier	Sample	Measurement	Ambient prior to conditioning	96 hours at conditions	500 hours at conditions	Ambient after conditioning
40592 NC165 COMB UP	1	1-2	13.82	10.78	10.80	13.50
		2-3	12.70	9.59	9.95	12.01
		3-4	12.20	9.61	9.93	12.00
		4-5	13.54	10.71	10.82	13.33
	2	1-2	13.79	10.18	10.11	12.27
		2-3	14.42	10.04	10.69	13.43
		3-4	14.18	10.01	10.69	13.27
		4-5	14.36	10.66	10.83	13.42
	3	1-2	13.74	10.52	11.04	14.03
		2-3	14.64	10.29	10.54	12.80
		3-4	12.59	10.26	10.53	12.84
		4-5	13.79	10.29	10.58	12.63
NC165 COMB DOWN	1	1-2	9.62	10.22	11.20	13.41
		2-3	8.78	9.85	10.78	13.14
		3-4	8.03	9.83	10.76	13.07
		4-5	10.24	10.84	11.27	13.36
	2	1-2	10.82	10.44	11.12	13.36
		2-3	11.67	10.80	11.17	13.42
		3-4	10.56	10.80	11.16	13.27
		4-5	11.63	10.80	10.75	12.57
	3	1-2	10.69	10.11	10.56	13.01
		2-3	12.22	10.63	11.19	13.30
		3-4	10.68	10.63	11.18	13.35
		4-5	12.14	10.74	11.26	13.33
Bare Copper Controls	1	1-2	12.63	11.22	11.08	12.88
		2-3	11.98	9.81	9.94	13.15
		3-4	11.99	9.68	10.20	14.64
		4-5	13.53	11.28	13.17	13.29

All measurements in Log10

	Average 96	Average 500	Delta
NC165	10.36	10.79	0.43
Bare Copper Controls	10.50	11.10	0.60

Chamber Conditions 65+/-2C; 88+3/-0 % R.H.

Requirement > -1.0

**Narrative description of results:**

The measured samples did not degrade more than a decade over the duration of the testing. Additionally, no dendrite or corrosion growth was noted.