

ENGINEERING	PRODUCT SPECIFICATION	SPEC.NO.: SPCJ068A
DEPT.	For CJ03 Series Board Mound Telephone Jack	PAGE: 1 / 3

1. SCOPE:

This specification contains the test requirement of subject connectors when tested under the condition and below standards base on CviLux test procedure

2. APPLICABLE STANDARDS:

MIL - STD - 202 Methods for test of connectors for electronic equipment
MIL - STD - 1344 Test methods for electrical connectors

3. APPLICABLE SERIES NO.: CJ0388A11N1

4. SHAPE, CONSTRUCTION AND DIMENSIONS

See attached drawings

5. MATERIALS

See attached drawings

6. ACCOMMODATED P.C.BOARD

6.1 Thickness: 1.6 mm (.063")

6.2 P.C. Board Layout: See attached drawings



REVIEWED : Eisley APPROVED : Eisley VERIFIED : Sandy .



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7. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
7.1	Rated current and voltage		1.5 A 150 V AC (r.m.s.)
7.2	Contact resistance	Dry circuit of DC 20 mV max. , 100 mA max. EIA-364-23B	Less than 50 mΩ (Initial) Less than 80 mΩ (Final)
7.3	Dielectric strength	When applied AC 1000 V 1 minute between adjacent terminal EIA-364-20B	No change
7.4	Insulation resistance	When applied DC 500 V between adjacent terminal or ground EIA-364-21C	More than 500 MΩ

8. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Durability	1000 Cycles operating at a rate of 500±50 cycles per hour, without load. EIA-364-09C	Appearance: No damage Contact resistance: Less than 80 mΩ (Final)
8.2	Mating force	Measure force to mate samples at speed 25±3mm per minute with plug latch depressed EIA-364-13B	3.06 Kgf (30 N) Max.

9. ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
9.1	Vibration	1.5 mm 10-55-10 HZ / minute each 2 hours for X , Y and Z directions EIA-364-28D	There shall be no less in continuity longer than 1μs. Appearance: No damage
9.2	Shock	No. of Drops: 3 drops each to normal and reversed directions of X , Y and Z axes, totally 18 drops, passing DC 1mA current during the test. Waveform: Half-sine shock plus. Accelerate Velocity :50G. Pulse duration: 11ms. EIA-364-27B	There shall be no less in continuity longer than 1μs. Appearance: No damage

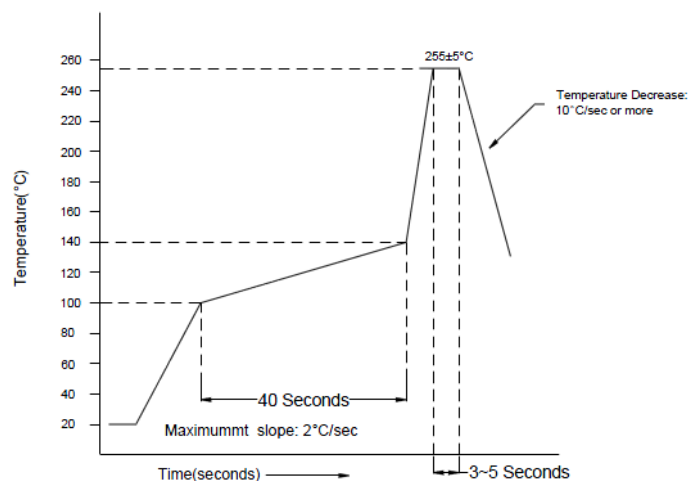
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	ITEM	TEST CONDITION	REQUIREMENT
9.3	Heat aging	70 ± 2°C , 96 hours EIA-364-17B	Appearance: No damage Contact resistance: Less than 80 mΩ (Final)
9.4	Humidity test	At a temperature of 40±2°C and relative humidity of 90-95% RH for 96 hours. EIA-364-31B	Appearance: No damage Contact resistance: Less than 80 mΩ (Final)
9.5	Salt spray	Temperature: 35±1°C Solution: 5% Spray time: 24 hours Measurement must be taken after water rinse EIA-364-26B	Appearance: No damage Contact resistance: Less than 80 mΩ (Final)
9.6	Solder ability	Soldering time: 5±1.0 second Soldering pot: 245± 5°C EIA-364-52B	Minimum: 95% of immersed area
9.7	Resistance to soldering heat	Recommend Wave Soldering Profile (11.) EIA-364-56C	Appearance: No damage

10. STORAGE & OPERATING TEMPERATURE RANGE: -40 to + 85°C

11. Wave Solder Profile

Note:
The measuring point for the specified temperature shall be on the soldered part of the leads.



RECOMMENDED WAVE SOLDERING CURVE