

<b>ENGINEERING</b>  <b>DEPT.</b>	<b>PRODUCT SPECIFICATION</b>  <b>For CJB1 Series DIP Solder Jacks</b>	<b>SPEC.NO.: SPCJ058A</b>  <b>PAGE: 1 / 3</b>
--	---	---

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 - 105E	Sampling procedures for inspection by attributes
MIL - STD - 1344A	Test methods for electrical connectors
MIL - C - 39012C	General specification for connectors, coaxial, radio frequency
MIL - C - 45204	Gold plating ( electrodeposited )

3. APPLICABLE SERIES NO.: CJB1 Series

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")

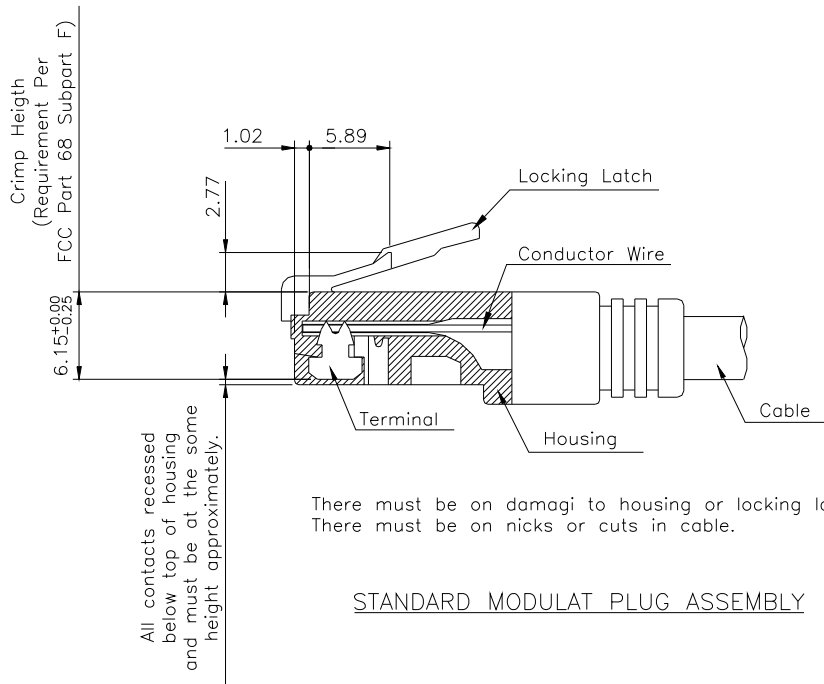
6.2 P.C. Board Layout: See attached drawings



REVIEWED : Jacky APPROVED : Leno VERIFIED : Yong Xin .

ENGINEERING DEPT.	PRODUCT SPECIFICATION For CJB1 Series DIP Solder Jacks	SPEC.NO.: SPCJ058A
		PAGE: 2 / 3

### 7. RECOMMENDED RJ PLUG SPECIFICATION:



### 8. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Rated current and voltage		1.5A 125V AC (r.m.s.)
8.2	Contact resistance	Dry circuit of DC 20 mV max. 100 mA max.	Less than 40 mΩ
8.3	Dielectric strength	When applied AC 1000 V 1 minute between adjacent terminal. When applied AC 1500 V 1 minute between adjacent terminal.	No change
8.4	Insulation resistance	When applied DC 500 V between adjacent terminal or ground	More than 1000 MΩ

### 9. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
9.1	Mating force	Measure force to mate samples at speed 25±3mm per minute with plug latch depressed	2.3 Kgf max.
9.2	Retention force (Between the Jack and Plug)	Retention speed 25±3mm per minute from Jack without latch	0.8 Kgf min.
9.3	Durability	Connector shall be subjected to 750 cycles of insertion and withdrawal	Contact resistance: Less than twice of initial

<b>ENGINEERING</b> <b>DEPT.</b>	<b>PRODUCT SPECIFICATION</b> <b>For CJB1 Series DIP Solder Jacks</b>	<b>SPEC.NO.: SPCJ058A</b>
		<b>PAGE: 3 / 3</b>

10. ENVIRONMENTAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
10.1	Vibration	1.5 mm 10 - 55 - 10 HZ/minute each 2 hours for X,Y and Z directions	Appearance: No damage Discontinuity: 1 micro second max.
10.2	Solder ability	Soldering time: 5±0.5 second Soldering pot: 230± 5°C	Minimum: 90% of immersed area
10.3	Resistance to soldering heat	Soldering time: 5±0.5 second Soldering pot: 260±5°C	No damage
10.4	Heat aging	65±2°C, 96 hours	No damage
10.5	Humidity	40±2°C, 90-95% RH, 96 hours measurement must be taken within 30 min. after tested	Appearance: No damage Contact resistance: Less than twice of initial Dielectric strength: To pass para 8-3
10.6	Temperature cycling	One cycle consists of : (1) -55 <sup>+0</sup> / <sub>-3</sub> °C , 30 min. (2) Room temp. 10-15 min. (3) 85 <sup>+3</sup> / <sub>-0</sub> °C , 30 min. (4) Room temp. 10-15 min.	Appearance: No damage Contact resistance: Less than twice of initial
10.7	Salt spray	Temperature: 35±3°C Solution: 5±1% Spray time: After 8hrs salt spray, dry 16hrs at room temp.(1-Cycle) After 3 Cycle cleaning by water and dry	Appearance: No damage Contact resistance: Less than twice of initial

11. AMBIENT TEMPERATURE RANGE: -40°C to + 105°C