

ENGINEERING DEPT.

# PRODUCT SPECIFICATION For CS61 Series SIMM Socket

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1. SCOPE:

This specification contains the test requirement of subject Connector 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.: CS61 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 : <u>Alex</u> APPROVED : <u>David</u> VERIFIED : <u>Sandy</u>.



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#### 7. ELECTRICAL PERFORMANCE:

	ITEM	TEST CONDITION	
7.1	Rated current		1A max. DC or AC rms, 60Hz
7.2	Contact resistance	Dry circuit of DC 20 mV max., 100 mA max.	Less than 30 m $\Omega$
7.3	Dielectric strength	When applied AC 1000 V 1minute between adjacent terminal	No change
7.4	Insulation resistance	When applied DC 500 V between adjacent terminal or ground	More than 1000 M $\Omega$
7.5	Capacitance	When applied 1MHz between adjacent terminal	1 pF max.

#### 8. MECHANICAL PERFORMANCE:

	ITEM	TEST CONDITION	REQUIREMENT
8.1	Pin retention force	Push pin from insulator base at speed 25±3 mm per minute	More than 450gram
8.2	Durability	Connector shall be subject to 25 cycles of insertion and withdrawal	Contact resistance: Less than twice of initial

### 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	Appearance: No damage Discontinuity: 1 micro second max.
9.2	Solderability	Soldering time: 5±0.5 second Soldering pot: 230±5°C	Minimum: 90% of immersed area
9.3	Resistance to soldering heat	Soldering time: 5±0.5 second Soldering pot: 260±5°C	No damage
9.4	Heat aging	105±2°C, 96 hours	No damage
9.5	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 7-3



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	ITEN	Λ	TEST CONDITION	REQUIREMENT
9.6	Temperature	cycling	One cycle consists of : (1)-55 $^{+0}_{-3}$ °C , 30 min. (2)Room temp. 10-15 min. (3) $105^{+3}_{-0}$ °C , 30 min. (4)Room temp. 10-15 min.	Appearance: No damage Contact resistance: Less than twice of initial
9.7	Salt spray		Temperature: 35±3°C Solution: 5±1% Spray time: 48±4 hours Measurement must be taken after water rinse	Appearance: No damage Contact resistance: Less than twice of initial

10. AMBIENT TEMPERATURE RANGE: -55 to + 105 °C