



CHYAO SHIUNN ELECTRONIC (SHANGHAI) CO., LTD.

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Type Document	Spec	Version	D
Date Issued	2008/03/16	Data Revised :	2012/09/18
Subject: JS-1088-XXXXXX SMT Type 1.00 PITCH CARD EDGE SMT CONNECTOR			Issued By: Engineering Dept.

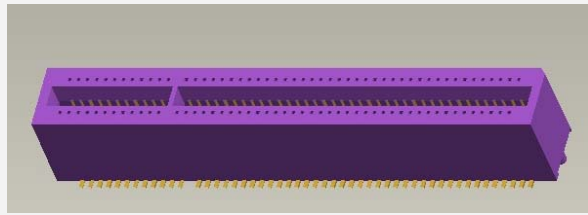
SPECIFICATION OF PRODUCT

1. Product:
2. Material & Surface Finish
3. Rating & Applicable Wires
4. Test Conditions
5. Requirements of Test
6. Package
7. Recommend IR Reflow profile:260±5°C 10Sec



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1. Product:

Part Name	Part Number
1.00 PITCH CARD EDGE SMT CONNECTOR	
Base	WS-1088-XXXX
Pin	JS-1088-T

2. Material & Surface Finish

Part Name	Material	Surface Finish
Base	LCP	UL 94V-0
Contact	Copper Alloy	Matte sn&Tin Plated & GOLD

3. Rating & Applicable Wires:

Item	Standard
3-1 Rated Voltage	AC 300 V (Max)
3-2 Rated Current	2A (Max)
3-3 Temperature Range	-55°C ~+105°C

4. TEST CONDITIONS 测试环境

Unless otherwise specified, test and measurement shall be conducted under the following ambient conditions.

Room Temperature: 15°C ~ 35°C

Room Humidity: 25%~ 85% (RH)



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5. REQUIREMENTS, TEST METHOD(需要测试的项目及方法)

5.1 APPEARANCE (外观)

Item	Test Condition	Requirement
5-1 Appearance 外观	Inspected with naked eyes	There shall be no crack , deformation nor discoloration which may affect the performance

5.2 Mechanical Performance:机械特性

Item	Test Condition	Requirement
5-2.1 Insertion Force 插入力(公母对插)	Insertion connectors at speed rate of 25±3 mm/min.	5.0Kgf MAX
5-2.2 Retention Force 拔出力(公母对插)	withdraw connectors at speed rate of 25±3 mm/min.	0.5Kgf MIN
5-2.3 Pin Insertion Force 端子保持力	Axial push speed: 25±3 mm/min.	1.96N(0.2kgf)min.

5.3 Electrical Performance:电气特性

Item	Test Condition	Requirement
5-3.1 Contact Resistance 接触电阻	Between both ends of mated terminals dry circuit of DC 20mA max.	30mΩ max
5-3.2 Insulation Resistance 绝缘电阻	When applied DC 100V between adjacent terminals or ground.	5000MΩ min
5-3.3 Dielectric Strength 耐高压	When applied AC 500V 1 min between adjacent terminal and ground.	No Damage



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5.4 Environmental Performance:环境特性

Item		Test Condition	Requirement	
5-4.1	Heat Aging 热寿命	Temperature: $105\pm 2^{\circ}\text{C}$ Period: 96 hours continuously.	Contact Resistance	50 mΩ max
5-4.2	Cold resistance 低温测试	Temperature: $\sim 35\pm 2^{\circ}\text{C}$ Period: 96 hours Continuously.	Contact Resistance	50 mΩ max
5-4.3	Vibration 震动	1.0mm 10-55-10 Hz/minute each X,Y and Z directions 1 hours	No discontinuity longer than 1 microsecond	
5-4.4	Humidity 湿度	Temperature: $60\pm 2^{\circ}\text{C}$ Humidity: 90~95%(RH) Period: 96 hours Test at after 30 minutes take out.	Contact Resistance	50 mΩ max
			Dielectric Strength	No Damage
			Insulation Resistance	5000 MΩ min
5-4.5	Thermal Shock 冷热冲击	5 cycles -55 °C for 30 minutes +105 °C for 30 minutes	Contact Resistance	50 mΩ max
			Insulation Resistance	5000 MΩ min.
5-4.6	Durability 耐久	Insert and withdraw CARD up to 100cycle at the speed rate of less than 500 cycles/hr	Contact Resistance	50 mΩ max



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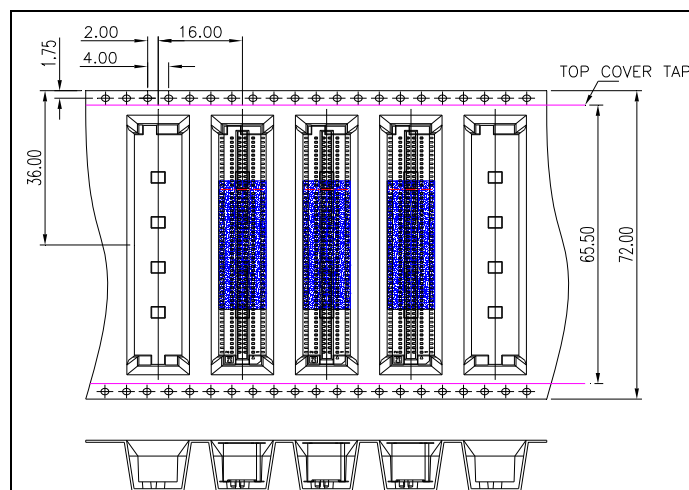
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5-4.7	Salt Spray 盐水喷雾	Temperature: $35 \pm 2^{\circ}\text{C}$ Density: $5 \pm 1\%$ Period: 8 hours	Contact Resistance	$50\text{m}\Omega$ max
			Appearance	No Damage
5-4.8	Solder ability 焊接能力	Solder Temperature: $230 \pm 5^{\circ}\text{C}$. Immersion Period: 3 ± 0.5 Seconds	Solder entirely 95% of immersed area must show no voids or pinholes.	

6. Packing Method:



6.1 Material: Transparent Ps T=0.5mm

6.2 Packing: 300Pcs/Reel



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7.Recommend IR Ref low profile: 260±5°C 10Sec

