

承 認 書

Specification for approval

客戶名稱：
Customer 立创电子

產品名稱：
Description: 220-2S-2x40P H=4.3mm 鍍金 1u (2.0 普通双排母)

客戶料號：
Customer part no: C138806

燦科盟產品編號：
CKM P/N: 22020080P00CKMT

承認書編號：
Approval sheet NO.: SA150431718

承認日期：
Approval date: 2017-11-17

客戶確認 CUSTOMER APPROVED	核 准 APPROVED	審 核 ENGINEER	經 辦 CHECK 刘力 2017/11/17

敬請蓋印承認規格之後，將一份交回給本公司，謝謝!

Please return 1sets of this form to confirm your approval of the product specification thank you!

深圳市燦科盟實業有限公司

工廠地址：深圳市光明樓村鯉魚水工業區鑫博盛科技園 B 棟四樓

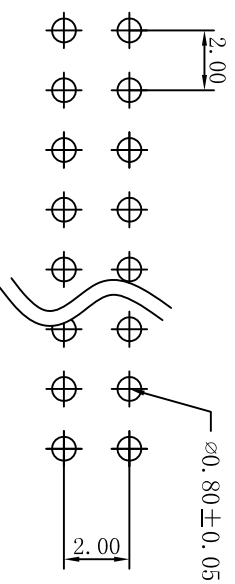
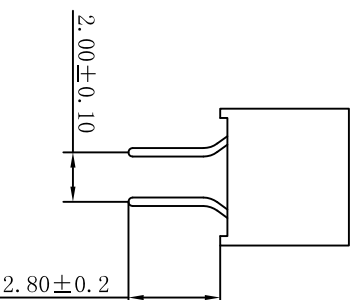
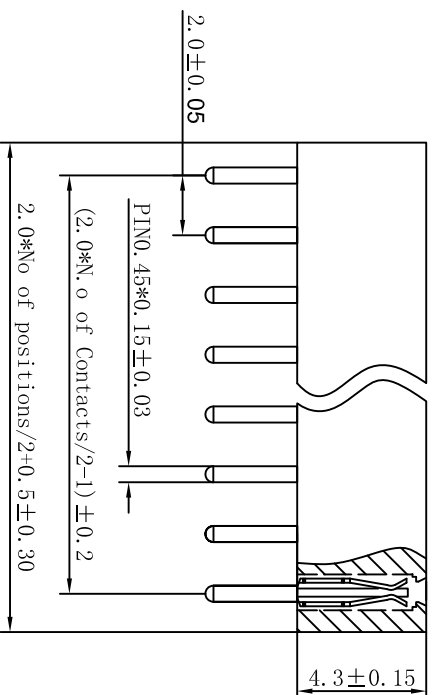
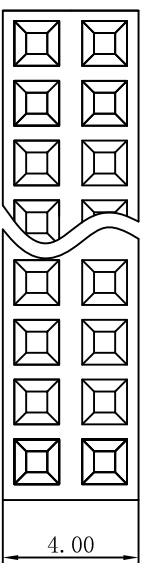
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PCB LAYOUT


MATERIAL

Insulator Material: Polyesetr, UL94V-0
 Nylon-6T
 Contact Material: Phosphor Bronze(C5191)
 Contact Plating: Gold over Nickel
 Color:Black

SPECIFICATION

Current Rate:1 Amp
 Contact Resistance:20mΩ MAX.at DC 1A
 Insulation Resistance:1000MΩ MIN.atDC500V
 Dielectric Strength:AC500V PER minute
 Operation Temperature:-40°to+105°

TOLERANCE TABLE	
.0	± 0.20
.00	± 0.10
.000	± 0.05

APPROVED:	DATE:	 深圳市灿科盟实业有限公司 CHANKEMENG INDUSTRYCO., LTD
CHECKED:	DATE:	
DRAWN:	DATE:	TITLE:
L Y F	2008-07-23	220-2S-2*XP H=4.3 DIP=2.8
CLIENT P/N		UNIT
/		mm
SCALE		free
FILE NO.	Ckmtw-220-20001	REV.
		A

深圳市灿科盟实业有限公司

产品规格书

PRODUCT SPECIFICATION

2.0mm Female Header SERIES

内容：此规格书包含 2.0mm 排母接插件系列。

Scope: This specification covers the 2.0mm Female Header spacing Connector series.

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Note::以上测试视公司之测试条件/能力而定。

FILE NO	ENS017	APPROVAL	CHECK	DRAWING
ECR/N NO	New spec			

1. 产品名称及料号/Product name and part number

Product Name	Part Number
Name 名称	220-2S-1*XP (单排直针) 220-2R-1*XP (单排弯针) 220-2S-2*XP (双排直针) 220-2R-2*XP (双排弯针)

2. 额定电压电流及使用温度范围/Ratings and Ambient Temperature

ITEM	STANDARD
Rated Voltage(Max) 额定电压	/
Rated Current(Max) 额定电流	1.5A
Ambient Temperature 使用温度范围	-40℃-+105℃

3. 特性测试/Performance

3-1. 电气特性/Electrical performance

ITEM	Test condition	Requirement
3-1-1 Contact Resistance 接触阻抗	Mate connectors, reassure by dry circuit ,20mV MAX,10mv.(Based upon JIS C5402 5.4) 将公母对插, 二头接上微电流电压测试。	0.02 欧 (MAX)
3-1-2 Insulation resistance 绝缘阻抗	Mate connectors, apply 500V DC between adjacent terminal or ground. (Based upon JIS C5402 5.2/MIL-STD-202 method 302 condition B) 将公母对插, 二头接上电压测试	1000 兆欧 (MIN)
3-1-3 Dielectric strength 高压测试	Mate connectors, apply 500V AC for 1 minute between adjacent terminal or ground. (Based upon JIS C5402 5.1/MIL-ST-202 Method 301) 将公母对插, 相邻的二支端子接上高压测试	No breakdown and flashover 没有损坏/没有电弧产生

3-2. 机械特性/Mechanical performance

ITEM	Test condition	Requirement
3-2-1 Contact retenting force in insulator 端子与塑胶保持力	Retention speed 25 ± 3mm per minute form housing 将端子从塑胶中拔出, 测试拔出值	0.4kg Min.
3-2-2 Single Pin contact Insertion force 单 PIN 插入力	Measure fore to insertion using 0.50mm square pin at speed 25±3mm per minute 用 0.50mm 方针, 以每分钟 25±3mm 速度插入排母 测试插入值	0.6kg Max.
3-2-3 Single Pin contact withdrawal force 单 PIN 拔出力	Measure fore to withdrawal using 0.50mm square pin at speed 25±3mm per minute 用 0.50mm 方针, 以每分钟 25±3mm 速度拔出排母 测试拔出值	0.02kg Min.

3-3.环境特性测试/Environmental performance and others

ITEM		Test condition	Requirement	
3-3-1	Repeated insertion/ withdrawal	When mated up to 30 cycles repeatedly by the rate of 10 cycles per minute 三十次插拔后，测量接触阻抗	Contact Resistance 接触阻抗	40mΩ MAX
3-3-2.	Temperature Rise 温升	Carrying rated current load(Based upon UL1977 针对额定电流以作测试		30°C MAX
3-3-3	Vibration 震动测试	Amplitude:1.52mm P.P-调幅 Sweep time:10-55-10Hz in 1 minute 频率 Duration:2 hours in each X.Y.Z axlals 震动时间 (based upon MIL-STD-202 method 201)	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Discontinuity 不连续性	1u sec MAX
3-3-4	Shock 冲击测试	50G3strokes in each X.Y.Z. axlals. (based upon JIS C0041) 50G 力量，XYZ 轴分别三次冲击。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Discontinuity 不连续性	1u sec MAX
3-3-5	Heat Resistance 耐热测试	105±3°C, 96hours (based upon JIS C5402 7.8) 时间 96 小时，温度 105±3°C	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-6	Cold Resistance 低温测试	-40±3°C, 96hours (based upon JIS C5402 7.9) 时间 96 小时，温度-40±3°C	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-7	Humidity 恒温恒湿测试	Temperature:40±2°C, Relative humidity:90~95% (RH) (Based upon MIL-STD-202 Method 103B conditions. B) 温度 40±2°C，湿度 90~95%，时间 96 小时。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
			Dielectric strength	没有损坏/没有电弧产生
3-3-8	Temperature cycling 温度冲击测试	5 cycles: 1>.-40°C 30 minutes. 2>.+85°C 30 minutes. 3>.+25°C 30 minutes. 4>.+105°C 30 minutes	Appearance	No Damage
			Contact Resistance	40mΩ MAX

3-3-9	Salt spray 盐水测试	24 hours exposure to a salt spray from the 5±1% solution at 35±2°C. (Based upon JIS C5402/MIL-STD-202method 101D conditions. B) 时间 24 小时, 盐水体比例 5±1%, 温度 35±2°C。	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-10	Solderability 沾锡性测试	Soldering time:3±0.5sec, solder temperature:230±5°C 时间: 3±0.5 秒, 温度: 230±5°C	95%以上沾锡面积	
3-3-11	Resistance to soldering heat 焊热性测试	Soldering time:5±1sec, solder temperature:260±5°C 时间: 5±1 秒, 温度: 260±5°C	No Damage 外观没有影响	
3-3-12	Life Test 寿命测试	1000 cycles 1000 次	No Damage 外观,功能没有影响	

4. 产品规格尺寸及材质/Product shape, dimensions and materials

(见附件图纸)