

承 認 書

Specification for approval

客戶名稱：
Customer S1085

產品名稱：
Description: 220S-1*3P H=8.5mm (2.54 普通单排直排母)

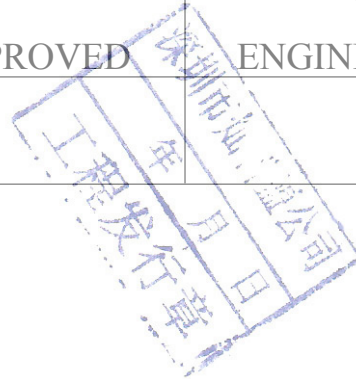
客戶料號：
Customer part no: C146690

燦科盟產品編號：
CKM P/N: 22025403P00CKMT

承認書編號：
Approval sheet NO.: SA150431772

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Approval date: 2017-12-13

客戶確認 CUSTOMER APPROVED	核 准 APPROVED	審 核 ENGINEER	經 辦 CHECK
			吳 闯 2017/12/13



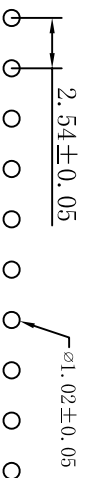
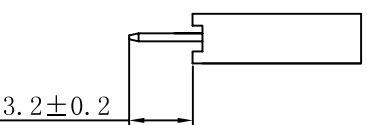
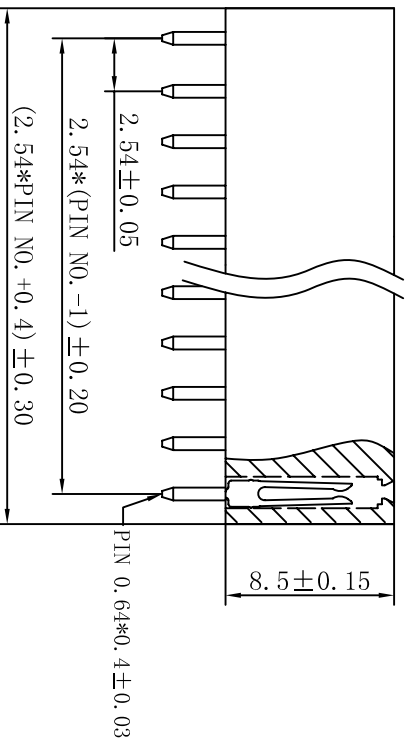
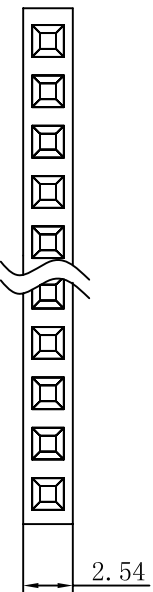
深圳市燦科盟實業有限公司

工廠地址：

聯繫電話：

傳 真：

業務負責人：_____



PCB Layout

SPECIFICATION
 Current Rate:3Amp
 Contact Resistance:20mΩ MAX.at DC 1A
 Insulation Resistance:1000MΩ MIN.atDC500V
 Dielectric Strength:AC500V PER minute
 Operation Temperature:-40°to +105°

MATERIAL
 Insulator:Polyester ,UL94V-0
 Standard:P.B.T
 CONTACT:Brass
 Contact plated: Gold Over Nickel
 Poles:2~40P
 Color:Black

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

APPROVED:	DATE:	TITLE:			
CHECKED:	DATE:	220S-1*XP H=8.5MM			
DRAWN:	DATE:	CLIENT P/N	UNIT	SCALE	REV.
L.Y.F	2008-04-29	/	mm	free	⊕
		FILE NO.	CKmtw-220-00001	REV.	A

深圳市灿科盟实业有限公司
 CKMTW CHANKEMENG INDUSTRYCO., LTD

深圳市灿科盟实业有限公司

产品规格书

PRODUCT SPECIFICATION

2.54mm Female Header SERIES

内容：此规格书包含 2.54mm 排母接插件系列。

Scope: This specification covers the 2.54mm 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	ENS019	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	220S-1*XP (单排直针) 220R-1*XP (单排弯针) 220S-2*XP (双排直针) 220R-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	250V AC/DC
Rated Current(Max) 额定电流	3A
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 Insertion force and withdrawal force 整组插拔测试	Insert and withdraw connectors at the speed rate of 25±3mm/minute 公母对插插拔 30 次，机器行走速度 25±3mm/分钟。	插入力 :0.2 kg/Pin (MAX) 拔出力 :0.02 kg/Pin (MIN)
3-2-2 Pin retention force 塑胶保持力	Apply axial push force at the speed rate of 25±3mm/minute. 将端子从塑胶中拔出，测试拔出值	0.8kgf/Pin 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℃ 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℃, 96hours (based upon JIS C5402 7.8) 时间 96 小时，温度 105±3℃	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-6	Cold Resistance 低温测试	-40±3℃, 96hours (based upon JIS C5402 7.9) 时间 96 小时，温度-40±3℃	Appearance	No Damage
			Contact Resistance	40mΩ MAX
3-3-7	Humidity 恒温恒湿测试	Temperature:40±2℃, Relative humidity:90~95% (RH) (Based upon MIL-STD-202 Method 103B conditions. B) 温度 40±2℃，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℃ 30 minutes. 2>.+85℃ 30 minutes. 3>.+25℃ 30 minutes. 4>.+105℃ 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℃. (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℃。	Appearance	No Damage
			Contact Resistance	40mΩ MAX

3-3-10	Solderability 沾锡性 测试	Soldering time: 3 ± 0.5 sec, solder temperature: $230 \pm 5^\circ\text{C}$ 时间: 3 ± 0.5 秒, 温度: $230 \pm 5^\circ\text{C}$	95%以上沾锡面积
3-3-11	Resistance to soldering heat 焊热性 测试	Soldering time: 5 ± 1 sec, solder temperature: PBT: $220 \pm 5^\circ\text{C}$ PA6T: $260 \pm 5^\circ\text{C}$ 时间: 5 ± 1 秒, 温度: PBT 材质 $220 \pm 5^\circ\text{C}$ 温度: PA6T 材质 $260 \pm 5^\circ\text{C}$	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)