

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

承認日期：
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 |

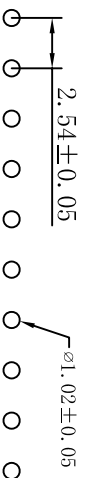
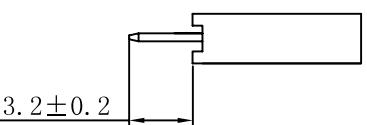
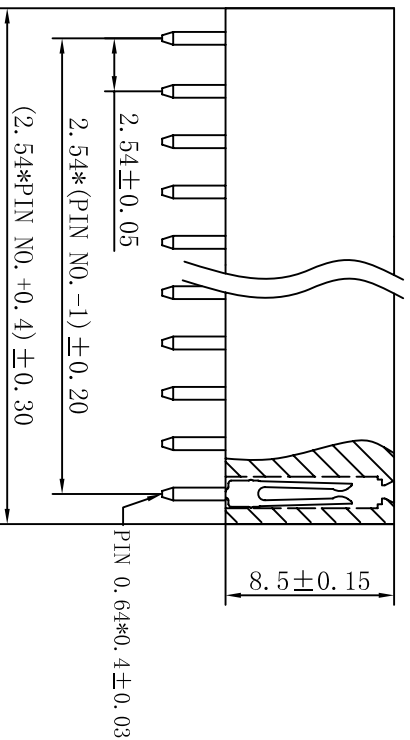
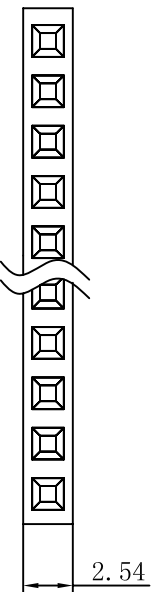
深圳市燦科盟實業有限公司

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: 深圳市灿科盟实业有限公司 Ckmtw CHANKEMENG INDUSTRYCO., LTD | | | |
| CHECKED: | DATE: | CLIENT P/N | / | SCALE | free |
| DRAWN: LYF | DATE: 2008-04-29 | UNIT | mm | REV. | A |

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)

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