



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

Tel: 0755-27597601 Fax: 0755-27597491

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

针座


规格型号 Part No:

1.0-4P WT

贵公司承认印 Approval signatures

| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
| | |

日期 Date:

| | | |
|-------------|-----|--|
| 拟制/Drawn | 李春风 |  |
| 审核/Check | 钟华华 | |
| 批准/Approved | 罗孝金 | |

1、SCOPE: (适用范围)

1.1 This specification covers production and inspection of Connector.

本规范内容适用于本公司普通系列型条形连接器（针座）产品的生产与检验。

2、USE CONDITION: (使用条件)

2.1 Ambient temperature Range:-20℃~+85℃

环境温度：-20℃~+85℃

2.2 Applicable PC board thickness:0.6~1.2mm

适用 PC 板厚度：0.6~1.2 mm

3、Appearance and Dimension: (外观及尺寸)

3.1 Appearance:Product surface without defect、dirt、crack、and mechanical damang, Contact without rust,plating not oxided and not peeled.

产品表面不应有对制品有害的缺陷、污垢、裂痕及机械损伤；接触件无锈蚀、镀层氧化、脱落等现象。

3.2 Dimension:According to drawings

外形尺寸：依照附图

3.3 Exchangable:Exchangable with same specification products.

互换性：相同规格应能互换

4、Material:

材 料

| P/N 零件名称 | Type 类 型 | Material 材 料 | Finish 表面处理 | Expiain 说 明 |
|-------------------------------|--------------------|----------------------------------|--|--------------------|
| Terminal 端子 | Contact 插 簧 | Phosphor bronze 锡青磷铜 厚 0.15mm | Tin Plating:3~4 μ m 镀锡：3~4 μ m | RoHS Comp liant |
| Housing 孔 座 | Plastic 塑 壳 | Nylon66 UL94V-0 | Color:White 颜色：白色 | |
| OpeningWafer 开口针座 | Contact 插 针 | Phosphor bronze 锡青磷铜 厚 0.30mm | Tin Plating:3~4 μ m 镀锡：3~4 μ m | |
| | Plastic 塑 壳 | Nylon46 UL94V-0 | Color: Beige 颜色：米色 | |
| Lips Wafer 闭口针座 | Contact 插 针 | Phosphor bronze 锡青磷铜 厚 0.30mm | Gold Plating:3~4 μ " m 镀金：3~4 μ " m | |
| | Plastic 塑 壳 | PBT UL94V-0 | Color: White 颜色：白色 | |
| Tiepian Wafer 卧贴针座 立贴针座 | Contact 插 针 | Phosphor bronze 锡青磷铜 厚 0.30mm | Tin Plating:3~4 μ m 镀锡：3~4 μ m | |
| | Solder tabs 焊护耳 | Phosphor bronze 锡青磷铜 厚 0.25mm | Tin Plating:3~4 μ m 镀锡：3~4 μ m | |
| | Plastic 塑 壳 | Nylon46 UL94V-0 | Color: Beige 颜色：米色 | |

5、Electrical Performance:

电气性能

| NO. 序号 | Item 项目 | Requirement 技术要求 |
|--------|-------------------------------|--------------------------------|
| 5.1 | Voltage Rated 额定电压 | 50V AC DC |
| 5.2 | Current Rated 额定电流 | 0.5A AC DC |
| 5.3 | Contact Resistance 接触电阻 | $\leq 30 \text{ m}\Omega$ |
| 5.4 | Insulation Resistance 绝缘电阻 | $\geq 500 \text{ M}\Omega$ |
| 5.5 | Dielectric Strength 耐压 | $\geq 500 \text{ V AC/minute}$ |

6、Mechanical Performance:

机械性能

| NO. 序号 | Item 项目 | Requirement 技术要求 |
|--------|--|------------------------------|
| 6.1 | Male contact Retention force PIN 针固定力 | $\geq 15 \text{ N}$ per pin |
| 6.2 | Female contact Retention force 端子固定力 | $\geq 15 \text{ N}$ per pin |
| 6.3 | Plug-in force 插入力 | $\leq 3 \text{ N}$ per pin |
| 6.4 | Plug-out force 拔出力 | $\geq 0.5 \text{ N}$ per pin |

7、Endurance Characteristics:

环境性能

| NO. 序号 | Item 项目 | Requirement 技术要求 |
|--------|--------------------------------------|---|
| 7.1 | Soldering rest 可焊性 | Time: $2.5 \pm 0.5 \text{ S}$ 时间: $2.5 \pm 0.5 \text{ S}$ Temperature: $260 \pm 5^\circ \text{C}$ 温度: $260 \pm 5^\circ \text{C}$ Area of Soldering: $\geq 95\%$ 焊锡面积: $\geq 95\%$ |
| 7.2 | Resistance to soldering Heat 耐焊接热 | Time: $5 \pm 1 \text{ S}$ 时间: $5 \pm 1 \text{ S}$ Temperature: $260 \pm 5^\circ \text{C}$ 温度: $260 \pm 5^\circ \text{C}$ Appearance: NO Damage 外观: 无损坏 |

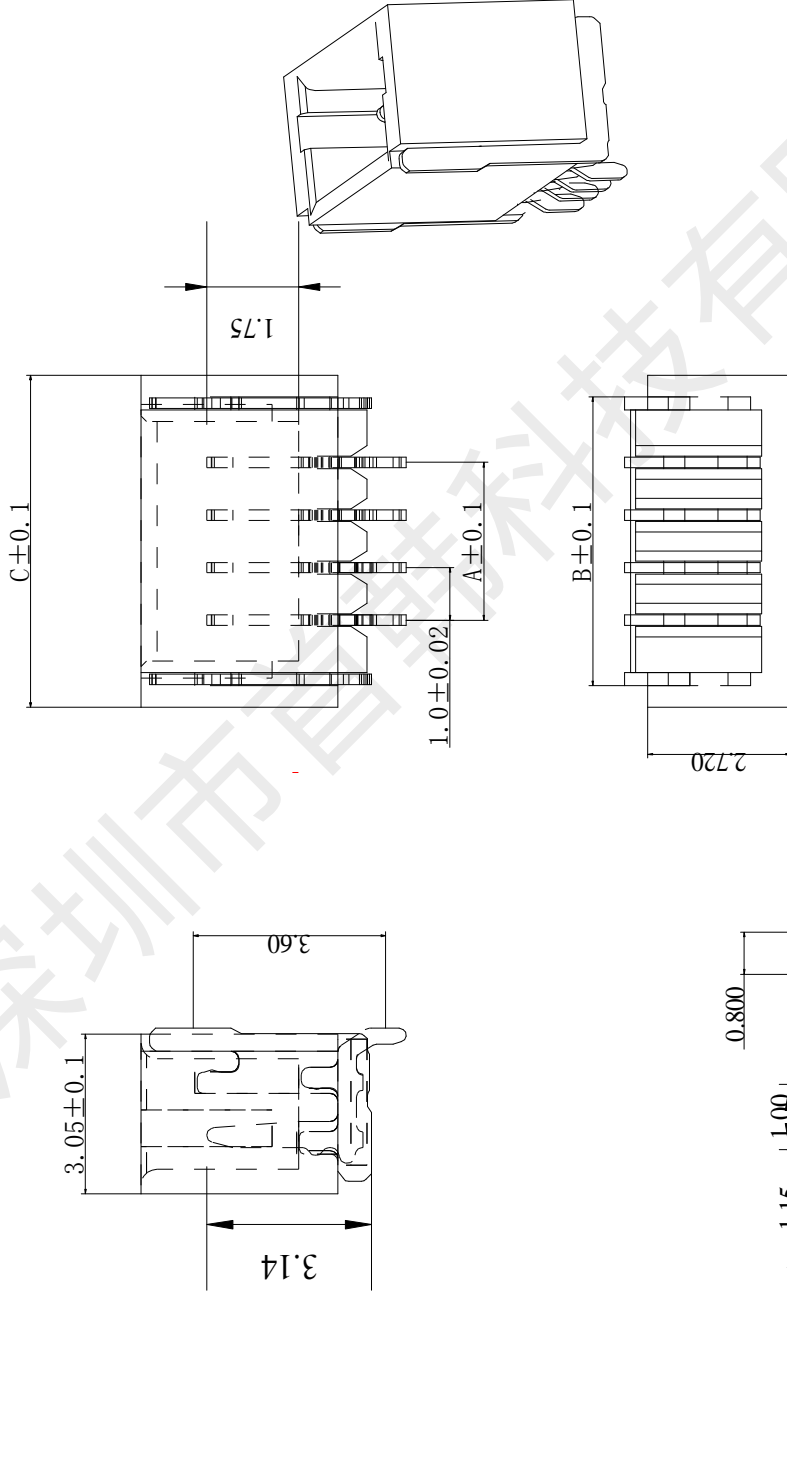
| | | |
|-----|--|---|
| 7.3 | Heat test 耐热性 | Time:96h 时间: 96 小时 Temperature:+85±3℃ 温度: +85±3℃ Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ |
| 7.4 | Cold test 耐冷性 | Time:48h 时间: 48 小时 Temperature:-25±3℃ 温度: -25±3℃ Appearance:NO Damage 外观: 无损坏 Contact resistance:≤20 mΩ 接触电阻: ≤20 mΩ |
| 7.5 | Temperature Cycling 温度循环 | Low temperature:-25±3℃ 低温: -25±3℃ High temperature:-85±3℃ 高温: -85±3℃ For 5 cycles.test after keeping in Normal Condition for 30 min. 5 次循环后, 放置在正常环境中 30 分钟, 在进行测试 Appearance: NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20mΩ |
| 7.6 | Invariab lenes humidity 恒定湿热 | Temperature:60±2℃ 温度: 60±2℃ Relative humidity:90%-96% RH 相对湿度: 90%-96% RH Tim:96h 时间: 96 小时 Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ Insulation Resistance: ≥100MΩ 绝缘电阻: ≥100 MΩ |
| 7.7 | Salt Spray 盐雾试验 | Salt concentration: 5±1% 浓度: 5±1% Temperature:35±2℃ 温度: 35±2℃ Tim:16±2h 时间: 16±2 小时 After salt is removed by running wafer and A drop is removed ,it is measured. 把试验样品从试验箱顶悬挂下来, 采用浓度 (5±1) %的氯化钠溶液, 连续雾化 16 小时, 试验后用流动的蒸馏水 轻轻洗去表面沉积物, 在常温常驻湿条件下恢复 1-2 小时, 外观无损伤 Appearance:NO Damage 外观: 无损坏 Contact resistance: ≤20 mΩ 接触电阻: ≤20 mΩ |

产品名称:1.0-4P WT

间距:1.0mm

RoHS

| | | | | |
|----|-------|-------|----|-------|
| 标记 | 更改前内容 | 更改后内容 | 签名 | 年、月、日 |
| | | | | |
| | | | | |
| | | | | |



| 1.0卧式贴片 | A-(mm) | B-(mm) | C-(mm) |
|-----------|---------|---------|---------|
| 1.0WT-2P | 1.00mm | 3.50mm | 4.00mm |
| 1.0WT-3P | 2.00mm | 4.50mm | 5.00mm |
| 1.0WT-4P | 3.00mm | 5.50mm | 6.00mm |
| 1.0WT-5P | 4.00mm | 6.50mm | 7.00mm |
| 1.0WT-6P | 5.00mm | 7.50mm | 8.00mm |
| 1.0WT-7P | 6.00mm | 8.50mm | 9.00mm |
| 1.0WT-8P | 7.00mm | 9.50mm | 10.00mm |
| 1.0WT-9P | 8.00mm | 10.50mm | 11.00mm |
| 1.0WT-10P | 9.00mm | 11.50mm | 12.00mm |
| 1.0WT-11P | 10.00mm | 12.50mm | 13.00mm |
| 1.0WT-12P | 11.00mm | 13.50mm | 14.00mm |
| 1.0WT-13P | 12.00mm | 14.50mm | 15.00mm |
| 1.0WT-14P | 13.00mm | 15.50mm | 16.00mm |
| 1.0WT-15P | 14.00mm | 16.50mm | 17.00mm |
| 1.0WT-16P | 15.00mm | 17.50mm | 18.00mm |
| 1.0WT-17P | 16.00mm | 18.50mm | 19.00mm |
| 1.0WT-18P | 17.00mm | 19.50mm | 20.00mm |
| 1.0WT-19P | 18.00mm | 20.50mm | 21.00mm |
| 1.0WT-20P | 19.00mm | 21.50mm | 22.00mm |

| | | | | |
|----|------------------------|-------|-----------|-------|
| 材料 | Nylon 9tu1 9Av-0 or ul | | | |
| 比例 | 1:1 | 设计/日期 | 审核/日期 | 批准/日期 |
| 版次 | 李春风 | 李春华 | 罗孝金 | |
| 重量 | 第1页 共1页 | 初始日期 | 2019.6.12 | |

| | |
|--------|-------|
| >20 | ±0.25 |
| >10≤20 | ±0.2 |
| >3≤10 | ±0.15 |
| ≤3 | ±0.10 |
| 尺寸范围 | 公差 |
| 未注公差 | 公差 |

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有限公司