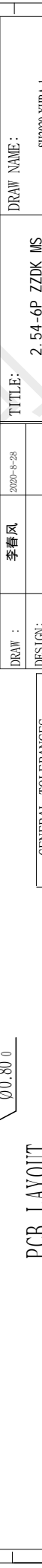
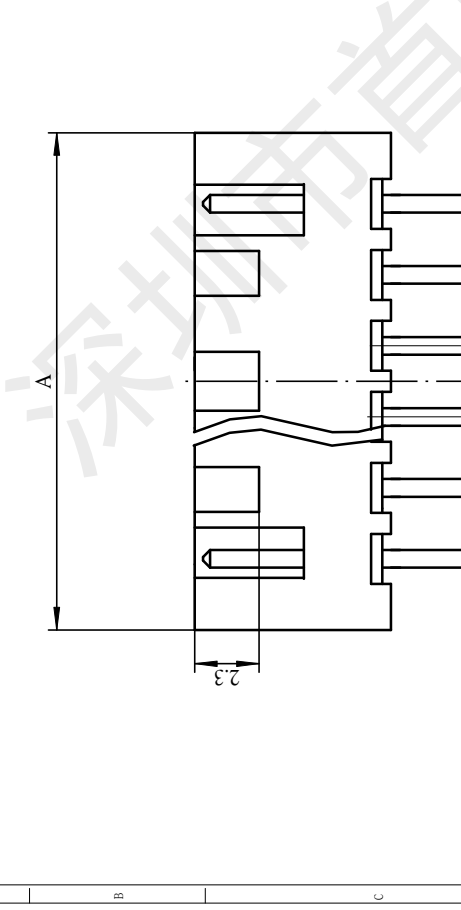
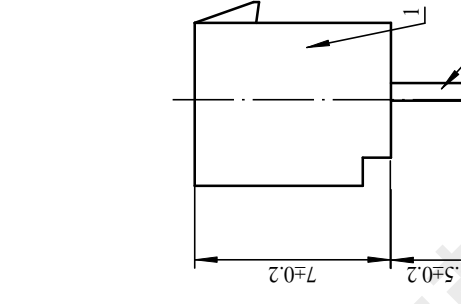
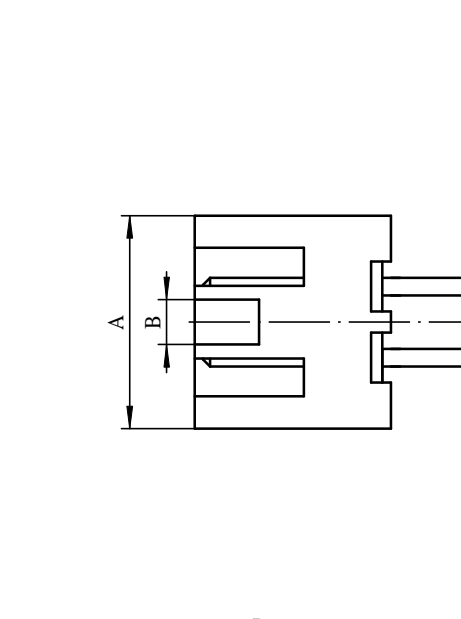


|      |     |             |           |       |       |          |
|------|-----|-------------|-----------|-------|-------|----------|
| REV. | EC# | DESCRIPTION | DATE      | DRAWN | CHECK | APPROVED |
| 1.00 |     | 初版发行        | 2020-8-28 |       |       |          |

|                |      |       |
|----------------|------|-------|
| 1P             | 40   | 31.8  |
| 1P             | 37.5 | 29.3  |
| 1P             | 35   | 26.8  |
| 1P             | 32.5 | 24.3  |
| 1P             | 30   | 21.8  |
| 10P            | 27.5 | 19.3  |
| 9P             | 25   | 16.8  |
| 8P             | 22.5 | 14.3  |
| 7P             | 20   | 11.8  |
| 6P             | 17.5 | 9.3   |
| 5P             | 15   | 2.1   |
| 4P             | 12.5 | 2.1   |
| 3P             | 10   | 1.6   |
| 2P             | 7.5  | 1.6   |
| NUMBER OF PINS |      | DIM.A |
|                |      | DIM.B |



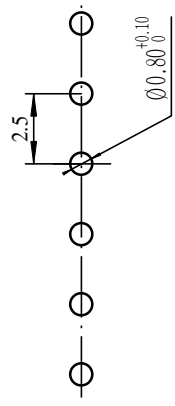
适应基板厚度：1.2mm~1.6mm  
 温度范围：-25℃~85℃  
 额定电压：250V AC/DC  
 额定电流：3A  
 接触电阻：<0.01Ω  
 绝缘电阻：>1000MΩ  
 耐压：1000V AC/minute

技术要求:

- 1) 材质:见附表;
- 2) 电镀:见附表;
- 3) 塑件表面平整、光洁、无毛刺、气泡、烧焦、变形、浇口无拉伤、多料或缺料等不良现象;
- 4) 端子表面无氧化、电镀不良等现象。

|                    |         |            |                           |
|--------------------|---------|------------|---------------------------|
| 2                  | PIN     | n PCS      | 材质:黄铜,电镀:光亮锡60u*MIN       |
| 1                  | Housing | 1 PCS      | 材质:PA6T (耐温UL94V-0),颜色:米色 |
| NO.                | NAME    | Q'TY       | DESCRIPTION               |
| <b>深圳市首韩科技有限公司</b> |         |            |                           |
| DRAW :             | 李春风     | 2020-8-28  | TITLE: 2.54-6P ZDK MS     |
| DESIGN :           |         |            | SH2020-XHBA-1             |
| CHECK :            | 钟华华     | 2020-8-28  | SERIES: 1501 SERIES       |
| APPROVED :         | 罗孝金     | 2020-8-28  | P/N:                      |
| CUSTOMER DRAWING   |         | REV. 1.00  | SCALE N/A                 |
| DRAW NAME:         |         | DRAW NO.   |                           |
| UNIT: mm           |         | SHEET: 1/1 |                           |

| GENERAL TOLERANCES |        |        |        |
|--------------------|--------|--------|--------|
| DIM                | TOL    | DIM    | DEG    |
| X                  | X"     | X"     | +30°   |
| X.X                | -0.05  | X.X"   | +2.00° |
| X.XX               | -0.025 | X.XX"  | +1.00° |
| X.XXX              | -0.015 | X.XXX" |        |



PCB LAYOUT



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:

2.54-6P ZZDK MS

\_\_\_\_\_

### 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:-25℃~+85℃**

环境温度：-25℃~+85℃

**2.2 Applicable Wire Sizes:AWG#32~#26**

适用线规：AWG#32~#26

**2.3 Applicable PC board thickness:1.2~1.6mm**

适用PC板厚度：1.2~1.6 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 (以图纸为准)

| P/N<br>零件名称                   | Type<br>类型         | Material<br>材料                   | Finish<br>表面处理                          | Explain<br>说明     |
|-------------------------------|--------------------|----------------------------------|---|-------------------|
| Terminal<br>端子                | Contact<br>插簧      | Phosphor bronze<br>锡青磷铜 厚 0.15mm | Tin Plating:3~4 μ m<br>镀锡: 3~4 μ m      | RoHS<br>Compliant |
| Housing<br>孔座                 | Plastic<br>塑壳      | Nylon66 UL94V-0                  | Color:White<br>颜色: 白色                   |                   |
| Opening Wafer<br>开口针座         | Contact<br>插针      | Phosphor bronze<br>锡青磷铜 厚 0.30mm | Tin Plating:3~4 μ m<br>镀锡: 3~4 μ m      |                   |
|                               | Plastic<br>塑壳      | Nylon46 UL94V-0                  | Color: Beige<br>颜色: 米色                  |                   |
| Lips Wafer<br>闭口针座            | Contact<br>插针      | Phosphor bronze<br>锡青磷铜 厚 0.30mm | Gold Plating:3~4 μ " m<br>镀金: 3~4 μ " m |                   |
|                               | Plastic<br>塑壳      | PBT UL94V-0                      | Color: White<br>颜色: 白色                  |                   |
| Tiepian Wafer<br>卧贴针座<br>立贴针座 | Contact<br>插针      | Phosphor bronze<br>锡青磷铜 厚 0.30mm | Tin Plating:3~4 μ m<br>镀锡: 3~4 μ m      |                   |
|                               | Solder tabs<br>焊护耳 | Phosphor bronze<br>锡青磷铜 厚 0.25mm | Tin Plating:3~4 μ m<br>镀锡: 3~4 μ m      |                   |
|                               | Plastic<br>塑壳      | Nylon46 UL94V-0                  | Color: Beige<br>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<br>额定电压         | 250V AC DC                      |
| 5.2    | Current Rated<br>额定电流         | 3A AC DC                        |
| 5.3    | Contact Resistance<br>接触电阻    | $\leq 10 \text{ m}\Omega$       |
| 5.4    | Insulation Resistance<br>绝缘电阻 | $\geq 1000 \text{ M}\Omega$     |
| 5.5    | Dielectric Strength<br>耐压     | $\geq 1000 \text{ V AC/minute}$ |

## 6、Mechanical Performance:

机械性能

| NO. 序号 | Item 项目                                  | Requirement 技术要求             |
|--------|--|------------------------------|
| 6.1    | Male contact Retention force<br>PIN 针固定力 | $\geq 10 \text{ N}$ per pin  |
| 6.2    | Female contact Retention force<br>端子固定力  | $\geq 10 \text{ N}$ per pin  |
| 6.3    | Plug-in force<br>插入力                     | $\leq 3 \text{ N}$ per pin   |
| 6.4    | Plug-out force<br>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<br>可焊性 | Time: $2.5 \pm 0.5 \text{ S}$<br>时间: $2.5 \pm 0.5 \text{ S}$<br><br>Temperature: $260 \pm 5^\circ \text{C}$<br>温度: $260 \pm 5^\circ \text{C}$<br><br>Area of Soldering: $\geq 95\%$<br>焊锡面积: $\geq 95\%$ |

|     |                                      |  |
|-----|--------------------------------------|--|
| 7.2 | Resistance to soldering Heat<br>耐焊接热 | Time: $5 \pm 1S$<br>时间: $5 \pm 1S$<br><br>Temperature: $260 \pm 5^{\circ}C$<br>温度: $260 \pm 5^{\circ}C$<br><br>Appearance: NO Damage<br>外观: 无损坏  |
| 7.3 | Heat test<br>耐热性                     | Time: 96h<br>时间: 96 小时<br><br>Temperature: $+85 \pm 3^{\circ}C$<br>温度: $+85 \pm 3^{\circ}C$<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20 m\Omega$<br>接触电阻: $\leq 20 m\Omega$  |
| 7.4 | Cold test<br>耐冷性                     | Time: 48h<br>时间: 48 小时<br><br>Temperature: $-25 \pm 3^{\circ}C$<br>温度: $-25 \pm 3^{\circ}C$<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20 m\Omega$<br>接触电阻: $\leq 20 m\Omega$  |
| 7.5 | Temperature Cycling<br>温度循环          | Low temperature: $-25 \pm 3^{\circ}C$<br>低温: $-25 \pm 3^{\circ}C$<br><br>High temperature: $85 \pm 3^{\circ}C$<br>高温: $85 \pm 3^{\circ}C$<br><br>For 5 cycles. test after keeping in Normal Condition for 30 min.<br><br>5 次循环后, 放置在正常环境中 30 分钟, 在进行测试<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20 m\Omega$<br>接触电阻: $\leq 20 m\Omega$ |

|            |   |  |
|------------|---|--|
| <p>7.6</p> | <p>Invariab lenes humidity<br/>恒定湿热</p> | <p>Temperature: <math>60 \pm 2^{\circ}\text{C}</math><br/>温度: <math>60 \pm 2^{\circ}\text{C}</math></p> <p>Relative humidity: 90%-96% RH<br/>相对湿度: 90%-96% RH</p> <p>Tim: 96h<br/>时间: 96 小时</p> <p>Appearance: NO Damage<br/>外观: 无损坏</p> <p>Contact resistance: <math>\leq 20 \text{ m}\Omega</math><br/>接触电阻: <math>\leq 20 \text{ m}\Omega</math></p> <p>Insulation Resistance: <math>\geq 100 \text{ M}\Omega</math><br/>绝缘电阻: <math>\geq 100 \text{ M}\Omega</math></p>  |
| <p>7.7</p> | <p>Salt Spray<br/>盐雾试验</p>              | <p>Salt concentration: <math>5 \pm 1\%</math><br/>浓度: <math>5 \pm 1\%</math></p> <p>Temperature: <math>35 \pm 2^{\circ}\text{C}</math><br/>温度: <math>35 \pm 2^{\circ}\text{C}</math></p> <p>Tim: <math>16 \pm 2\text{h}</math><br/>时间: <math>16 \pm 2</math> 小时</p> <p>After salt is removed by running wafer and A drop is removed ,it is measured.</p> <p>把试验样品从试验箱顶悬挂下来,采用浓度 (<math>5 \pm 1</math>) %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</p> <p>Appearance: NO Damage<br/>外观: 无损坏</p> <p>Contact resistance: <math>\leq 20 \text{ m}\Omega</math><br/>接触电阻: <math>\leq 20 \text{ m}\Omega</math></p> |

## 8、Packaging Transportation Storage

包装、运输、贮存

### 8.1 Packaging

包装

- (1) **The packing of plastic inner is the plastic bag,the packing of inner terminal is panel mounting attach material packing, marked with product name, specification model, quantity, date in produced.**

塑件内包装为塑料袋，端子内包装为盘装带料包装，装（贴）入合格证，注明产品名称、规格型号、数量生产日期

- (2) **Exterior package is carton, facing the packing list, the packing list marked with product name, specification model, quantity, date of dispatch.**

外包装为纸箱，贴装箱单、装箱单上注明产品名称、规格型号、数量、出货日期

- (3) **The product in the box must not rock.**

产品在箱内不晃动

### 8.2 Transportation

运输

**Allow for any way transportation, can't get wet and mechanical in jury.**

允许用任何方式运输，勿淋湿及机械性损伤

### 8.3 Storage

贮存

**The connector of packing finished should be in the ambient temperature between-10℃ to+40℃, Relative humidity≤80%. To store in storehouse does not have acidic, alkaline air and other corrosive gas in the ambient air.**

包装完毕的连接器应在环境温度为-10℃~+40℃，相对湿度≤80%，周围空气中没有酸性，碱性及其它腐蚀性气体的库房中贮存

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