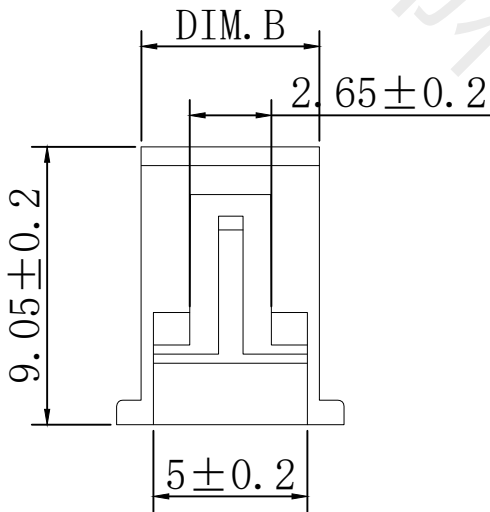
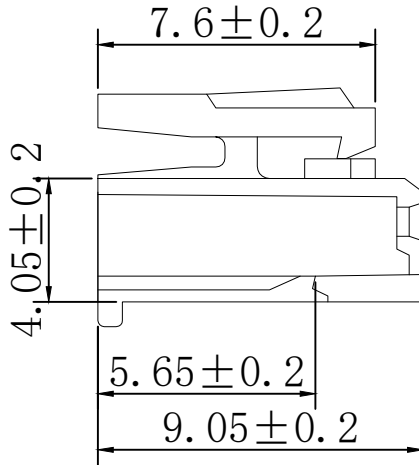
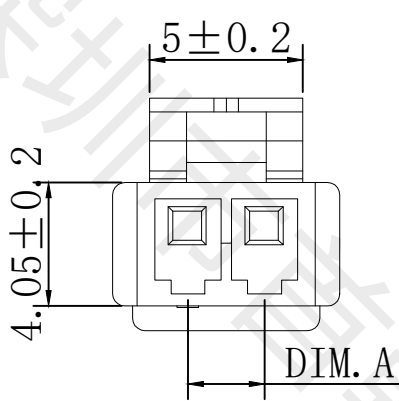


| REV. | EC# | DESCRIPTION | DATE       | DRAWN | CHECK | APPROVED |
|------|-----|-------------|------------|-------|-------|----------|
| 1.00 |     | 行发版初        | 2018-04-22 |       |       |          |
|      |     |             |            |       |       |          |
|      |     |             |            |       |       |          |



|     |       |       |
|-----|-------|-------|
| 16  | 37.50 | 40.80 |
| 15  | 35.00 | 38.30 |
| 14  | 32.50 | 35.80 |
| 13  | 30.00 | 33.30 |
| 12  | 27.50 | 30.80 |
| 11  | 25.00 | 28.80 |
| 10  | 22.50 | 25.80 |
| 9   | 20.00 | 23.30 |
| 8   | 17.50 | 20.80 |
| 7   | 15.00 | 18.30 |
| 6   | 12.50 | 15.80 |
| 5   | 10.00 | 13.30 |
| 4   | 7.50  | 10.80 |
| 3   | 5.00  | 8.30  |
| 2   | 2.50  | 5.80  |
| Pin | DIM.A | DIM.B |

- 1.工作温度: -25°C~85°C.  
2.适用线规: AWG#28~#22.  
3.额定电压: 250V DC/AC(rms).  
4.额定电流: 3.0A.  
5.接触电阻: ≤20mΩ.  
6.耐压值: 1000V AC/minute.  
7.绝缘电阻: ≥1000MΩ.  
8.适用基板厚度: 1.6MM

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。

| GENERAL TOLERANCES |       |        |        |
|--------------------|-------|--------|--------|
| DIM                | TOL   | DIM    | DEG    |
| X.                 |       | X°.    | ±3.00° |
| X.X                | ±0.35 | X.X°   | ±2.00° |
| X.XX               | ±0.25 | X.XX°  | ±1.00° |
| X.XXX              | ±0.15 | X.XXX° |        |

|                                                                                                                         |         |            |                                                                                         |           |            |
|-------------------------------------------------------------------------------------------------------------------------|---------|------------|-----------------------------------------------------------------------------------------|-----------|------------|
| 1                                                                                                                       | Housing | 1 PCS      | 材质:PA66 (UL94V-0),颜色:本色                                                                 |           |            |
| NO.                                                                                                                     | NAME    | Q'TY       | DESCRIPTION                                                                             |           |            |
| <div><div><div><div><div><div></div></div></div><div>首韩</div><div>SHOUHAN</div></div><div>深圳市首韩科技有限公司</div></div></div> |         |            |                                                                                         |           |            |
| DRAW :                                                                                                                  | 李春风     | 2018-04-22 | TITLE:                                                                                  |           | DRAWNAME:  |
| DESIGN:                                                                                                                 |         |            | 压线端子胶壳                                                                                  |           | XHB2.54-5Y |
| CHECK:                                                                                                                  | 钟华华     | 2018-04-22 | SERIES: 2.5XHB SERIES                                                                   |           | DRAWNO.    |
| APPROVED                                                                                                                | 罗孝金     | 2018-04-22 | P/N:                                                                                    |           | UNIT:      |
| CUSTOMER DRAWING                                                                                                        |         |            | REV. 1.00                                                                               | SCALE N/A | SHEET: 1/1 |
|                                                                                                                         |         |            | +  |           |            |



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

产 品 编 码  
Material code:

产品名称 Project:

压线端子胶壳

规格型号 Part No:

XHB2.54-5Y

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~#24**

适用线规: AWG#32~#24

**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 oxidized 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                          | Expiain<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>Comp liant |
| Housing<br>孔 座                | Plastic<br>塑 壳     | Nylon66 UL94V-0                  | Color:White<br>颜色: 白色                   |                    |
| OpeningWafer<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

| N O .<br>序号 | Ltem<br>项目                    | Requirement<br>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    | $\leq 20 \text{ m}\Omega$       |
| 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

| N0.<br>序号 | Ltem<br>项目                               | Requirement<br>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

| N0.<br>序号 | Ltem<br>项目            | Requirement<br>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: $5 \pm 1\text{S}$<br>时间: $5 \pm 1\text{S}$<br><br>Temperature: $260 \pm 5^\circ\text{C}$<br>温度: $260 \pm 5^\circ\text{C}$<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: $+85 \pm 3^\circ\text{C}$<br>温度: $+85 \pm 3^\circ\text{C}$<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20\text{ m}\Omega$<br>接触电阻: $\leq 20\text{ m}\Omega$                                                                                                                                                                     |
| 7.4 | Cold test<br>耐冷性                     | Time: 48h<br>时间: 48 小时<br><br>Temperature: $-25 \pm 3^\circ\text{C}$<br>温度: $-25 \pm 3^\circ\text{C}$<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20\text{ m}\Omega$<br>接触电阻: $\leq 20\text{ m}\Omega$                                                                                                                                                                     |
| 7.5 | Temperature Cycling<br>温度循环          | Low temperature: $-25 \pm 3^\circ\text{C}$<br>低温: $-25 \pm 3^\circ\text{C}$<br><br>High temperature: $85 \pm 3^\circ\text{C}$<br>高温: $85 \pm 3^\circ\text{C}$<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, 进行测试<br><br>Appearance: NO Damage<br>外观: 无损坏<br><br>Contact resistance: $\leq 20\text{ m}\Omega$<br>接触电阻: $\leq 20\text{ m}\Omega$ |

|     |                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.6 | Invariab lenes humidity<br>恒定湿热 | <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>                                                                                                                                                           |
| 7.7 | Salt Spray<br>盐雾试验              | <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, specificcation 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%，周围空气没有酸性，碱性及其它腐蚀性气体的库房中贮存