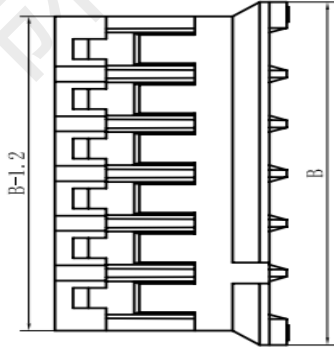
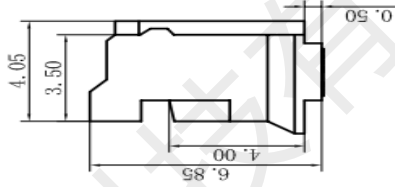
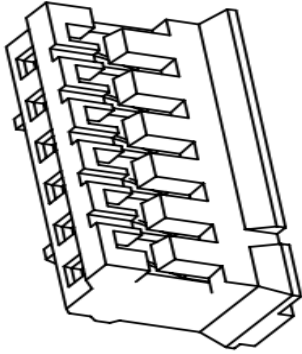
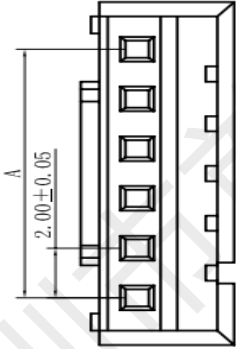


1. 极数 poles: 2 to 20P  
2. 额定电流 Current rating: 2.0A AC, DC  
3. 额定电压 Voltage rating: 250V AC, DC  
4. 温度范围 Temperature range: -25. C to +85. C  
5. 接触电阻 Contact resistance:  $\leq 20\text{m}\Omega$   
6. 绝缘电阻 Insulation resistance:  $\geq 1000\text{m}\Omega$   
7. 耐电压 Withstand voltage: 800V AC/minute  
8. 适用线规 Applicable Wire: AWG #32 to #24  
9. 适用基板厚度 Applicable PC board thickness: 1.6mm

● 材料 Material: Nylon66 UL 94V-0



| Poles | Part No | Dimensions mm |       |
|-------|---------|---------------|-------|
|       |         | A             | B     |
| 2     | PH-2Y   | 2.00          | 5.80  |
| 3     | PH-3Y   | 4.00          | 7.80  |
| 4     | PH-4Y   | 6.00          | 9.80  |
| 5     | PH-5Y   | 8.00          | 11.80 |
| 6     | PH-6Y   | 10.00         | 13.80 |
| 7     | PH-7Y   | 12.00         | 15.80 |
| 8     | PH-8Y   | 14.00         | 17.80 |
| 9     | PH-9Y   | 16.00         | 19.80 |
| 10    | PH-10Y  | 18.00         | 21.80 |
| 11    | PH-11Y  | 20.00         | 23.80 |
| 12    | PH-12Y  | 22.00         | 25.80 |
| 13    | PH-13Y  | 24.00         | 27.80 |
| 14    | PH-14Y  | 26.00         | 29.80 |
| 15    | PH-15Y  | 28.00         | 31.80 |
| 16    | PH-16Y  | 30.00         | 33.80 |
| — —   | — —     | — —           | — —   |

| GENERAL TOLERANCE |            | 制 图<br>DRAWING  | 李春风          |
|-------------------|------------|-----------------|--------------|
| X.±0.25           | X.°±2°     |                 |              |
| .X±0.20           | .X'±1°     | 审 核<br>CHECK    | 钟华华          |
| .XX±0.15          | .XX'±0.5°  | 核 准<br>APPROVAL | 罗孝金          |
| .XXX±0.10         | .XXX'±0.5° | 单 位<br>UNITS    | 比 例<br>SCALE |
|                   |            | MM              | 1:1          |

|     |                     |              |     |
|-----|---------------------|--------------|-----|
| 李春风 | 料 号<br>PAKT NO.     | 版 本<br>REV.  | A   |
| 钟德华 | 加 名<br>TITLE        | 页 次<br>SHEET | 1/1 |
| 罗孝金 | 客 户 料 号<br>CUTL NO. |              |     |



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

商品编码 Part Code:

产品名称 Project:

压线端子胶壳

规格型号 Part No:

PH2.0-13Y

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         | 2A 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     | $\geq 800\text{V AC/minute}$ |

**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: $5 \pm 1$ S<br>时间: $5 \pm 1$ 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