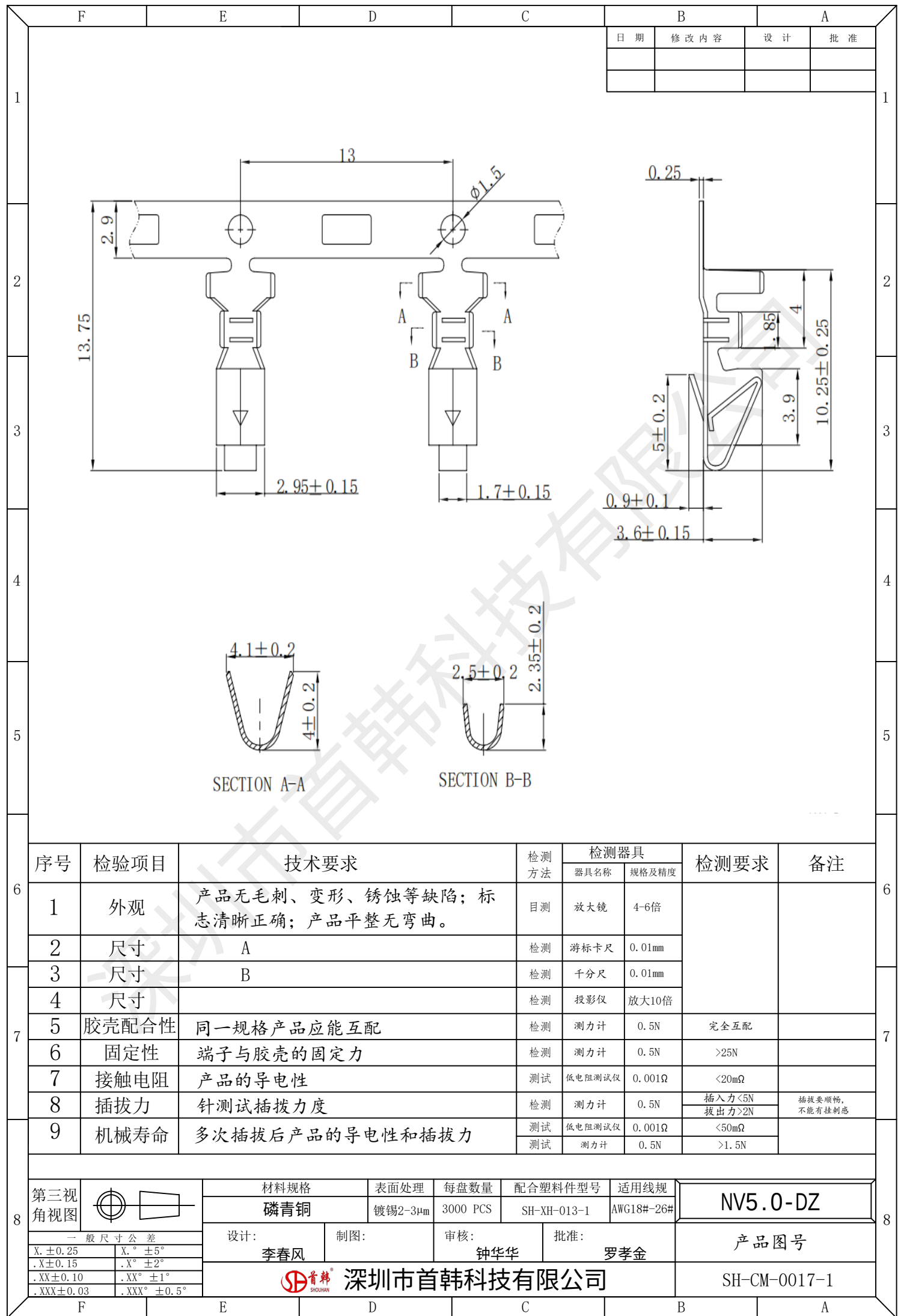




| 日期 | 修改内容 | 设计 | 批准 |
|----|------|----|----|
|    |      |    |    |
|    |      |    |    |

| 序号 | 检验项目  | 技术要求                           | 检测方法 | 检测器具   |        | 检测要求             | 备注           |
|----|-------|--------------------------------|------|--------|--------|------------------|--------------|
|    |       |                                |      | 器具名称   | 规格及精度  |                  |              |
| 1  | 外观    | 产品无毛刺、变形、锈蚀等缺陷；标志清晰正确；产品平整无弯曲。 | 目测   | 放大镜    | 4-6倍   |                  |              |
| 2  | 尺寸    | A                              | 检测   | 游标卡尺   | 0.01mm |                  |              |
| 3  | 尺寸    | B                              | 检测   | 千分尺    | 0.01mm |                  |              |
| 4  | 尺寸    |                                | 检测   | 投影仪    | 放大10倍  |                  |              |
| 5  | 胶壳配合性 | 同一规格产品应能互配                     | 检测   | 测力计    | 0.5N   | 完全互配             |              |
| 6  | 固定性   | 端子与胶壳的固定力                      | 检测   | 测力计    | 0.5N   | >25N             |              |
| 7  | 接触电阻  | 产品的导电性                         | 测试   | 低电阻测试仪 | 0.001Ω | <20mΩ            |              |
| 8  | 插拔力   | 针测试插拔力度                        | 检测   | 测力计    | 0.5N   | 插入力<5N<br>拔出力>2N | 插拔要顺畅，不能有挂刺感 |
| 9  | 机械寿命  | 多次插拔后产品的导电性和插拔力                | 测试   | 低电阻测试仪 | 0.001Ω | <50mΩ            |              |
|    |       |                                | 测试   | 测力计    | 0.5N   | >1.5N            |              |

|            |              |              |  |         |          |             |            |          |      |
|------------|--------------|--------------|--|---------|----------|-------------|------------|----------|------|
| 第三视角视图     |              | 材料规格         |  | 表面处理    | 每盘数量     | 配合塑料件型号     | 适用线规       | NV5.0-DZ |      |
|            |              | 磷青铜          |  | 镀锡2-3μm | 3000 PCS | SH-XH-013-1 | AWG18#-26# |          |      |
|            |              | 设计：李春风       |  | 制图：     |          | 审核：钟华华      |            | 批准：罗孝金   | 产品图号 |
|            |              | 深圳市首韩科技有限公司  |  |         |          |             |            |          |      |
|            |              | SH-CM-0017-1 |  |         |          |             |            |          |      |
| 一般尺寸公差     |              |              |  |         |          |             |            |          |      |
| X. ±0.25   | X. ° ±5°     |              |  |         |          |             |            |          |      |
| .X ±0.15   | .X ° ±2°     |              |  |         |          |             |            |          |      |
| .XX ±0.10  | .XX ° ±1°    |              |  |         |          |             |            |          |      |
| .XXX ±0.03 | .XXX ° ±0.5° |              |  |         |          |             |            |          |      |



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

\_\_\_\_\_

规格型号 Part No:

NV5.0-DZ

\_\_\_\_\_

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#26~#18

适用线规: AWG#26~#18

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                   |                    |
| 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

| 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         | 10A AC DC                     |
| 5.3         | Contact Resistance<br>接触电阻    | $\leq 15\text{m}\Omega$       |
| 5.4         | Insulation Resistance<br>绝缘电阻 | $\geq 1000\text{M}\Omega$     |
| 5.5         | Dielectric Strength<br>耐压     | $\geq 1500\text{V AC/minute}$ |

## 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 | $\geq 25\text{N}$ per pin |
| 6.2       | Female contact Retention force<br>端子固定力  | $\geq 25\text{N}$ per pin |
| 6.3       | Plug-in force<br>插入力                     | $\leq 10\text{N}$ per pin |
| 6.4       | Plug-out force<br>拔出力                    | $\geq 2\text{N}$ 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: $260 \pm 5$ °C<br>温度: $260 \pm 5$ °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: $+85 \pm 3$ °C<br>温度: $+85 \pm 3$ °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: $-25 \pm 3$ °C<br>温度: $-25 \pm 3$ °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: $-25 \pm 3$ °C<br>低温: $-25 \pm 3$ °C<br><br>High temperature: $85 \pm 3$ °C<br>高温: $85 \pm 3$ °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: $\leq 20$ m $\Omega$<br>接触电阻: $\leq 20$ m $\Omega$ |

|     |                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.6 | Invariablenes 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<br/>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%，周围空气中没有酸性，碱性及其它腐蚀性气体的库房中贮存