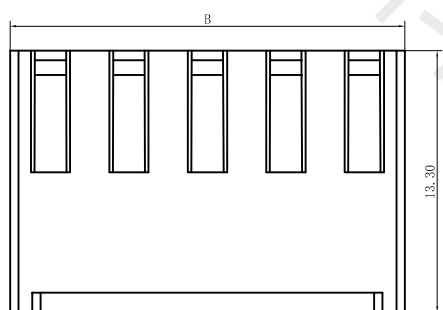
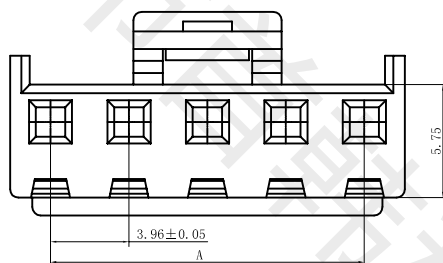
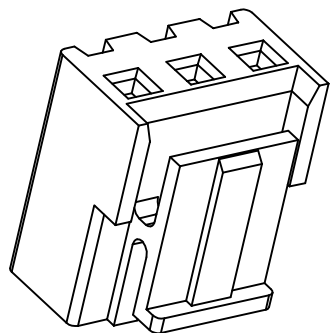


### SPECIFICATIONS

- 1、Current Rating: 7 A AC, DC
- 2、Voltage Rating: 250V AC, DC
- 3、Temperatuer Range: -25℃~+85℃
- 4、Contact Resistance: 20mΩ Max
- 5、Insulation Resistance: 1000MΩ Min
- 6、Withstanding Voltang: 1500 AC/minute
- 7、Material: Nylon66, UL94V-0

| Poles | Part No | Dimensions mm |       |
|-------|---------|---------------|-------|
|       |         | A             | B     |
| 2     | VH-2Y   | 3.96          | 8.04  |
| 3     | VH-3Y   | 7.92          | 12.00 |
| 4     | VH-4Y   | 11.88         | 15.96 |
| 5     | VH-5Y   | 15.84         | 19.92 |
| 6     | VH-6Y   | 19.80         | 23.88 |
| 7     | VH-7Y   | 23.76         | 27.84 |
| 8     | VH-8Y   | 27.72         | 31.80 |
| 9     | VH-9Y   | 31.68         | 35.76 |
| 10    | VH-10Y  | 35.64         | 39.72 |
| 11    | VH-11Y  | 39.60         | 43.68 |
| 12    | VH-12Y  | 43.56         | 47.64 |
| 13    | VH-13Y  | 47.52         | 51.60 |
| 14    | VH-14Y  | 51.48         | 55.56 |
| 15    | VH-15Y  | 55.44         | 59.52 |
| 16    | VH-16Y  | 59.40         | 63.48 |
| ---   | ---     | ---           | ---   |

|             |                     |             |                  |            |                 |                   |                        |            |              |     |
|-------------|---------------------|-------------|------------------|------------|-----------------|-------------------|------------------------|------------|--------------|-----|
| 制图<br>DRAWN | 变更内容<br>DESCRIPTION | 日 期<br>DATE | GENERL TOLERANCE |            | 制 图<br>DRAWING  | 李春风<br>2018.01.11 | 料 号<br>PART NO.        | VH3.96-11Y | 版 本<br>REV.  | A   |
|             |                     |             | X.±0.25          | X.'±2°     | 审 核<br>CHECK    | 钟华华<br>2018.01.11 | 品 名<br>TITLE           | 压线端子胶壳     | 页 次<br>SHEET | 1/1 |
|             |                     |             | .X±0.20          | .X*±1°     | 核 准<br>APPROVAL | 罗孝金<br>2018.01.11 | 客户料号<br>CUTM. NO.      |            |              |     |
|             |                     |             | .XX±0.15         | .XX*±0.5°  |                 |                   | <div>深圳市首韩科技有限公司</div> |            |              |     |
|             |                     |             | .XXX±0.10        | .XXX*±0.5° | 单 位<br>UNITS    | MM                |                        |            |              |     |



深圳市首韩科技有限公司



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:

VH3.96-11Y

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         | 7A 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     | $\geq 1500\text{V AC/minute}$ |

## 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: $5 \pm 1\text{S}$<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 | 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