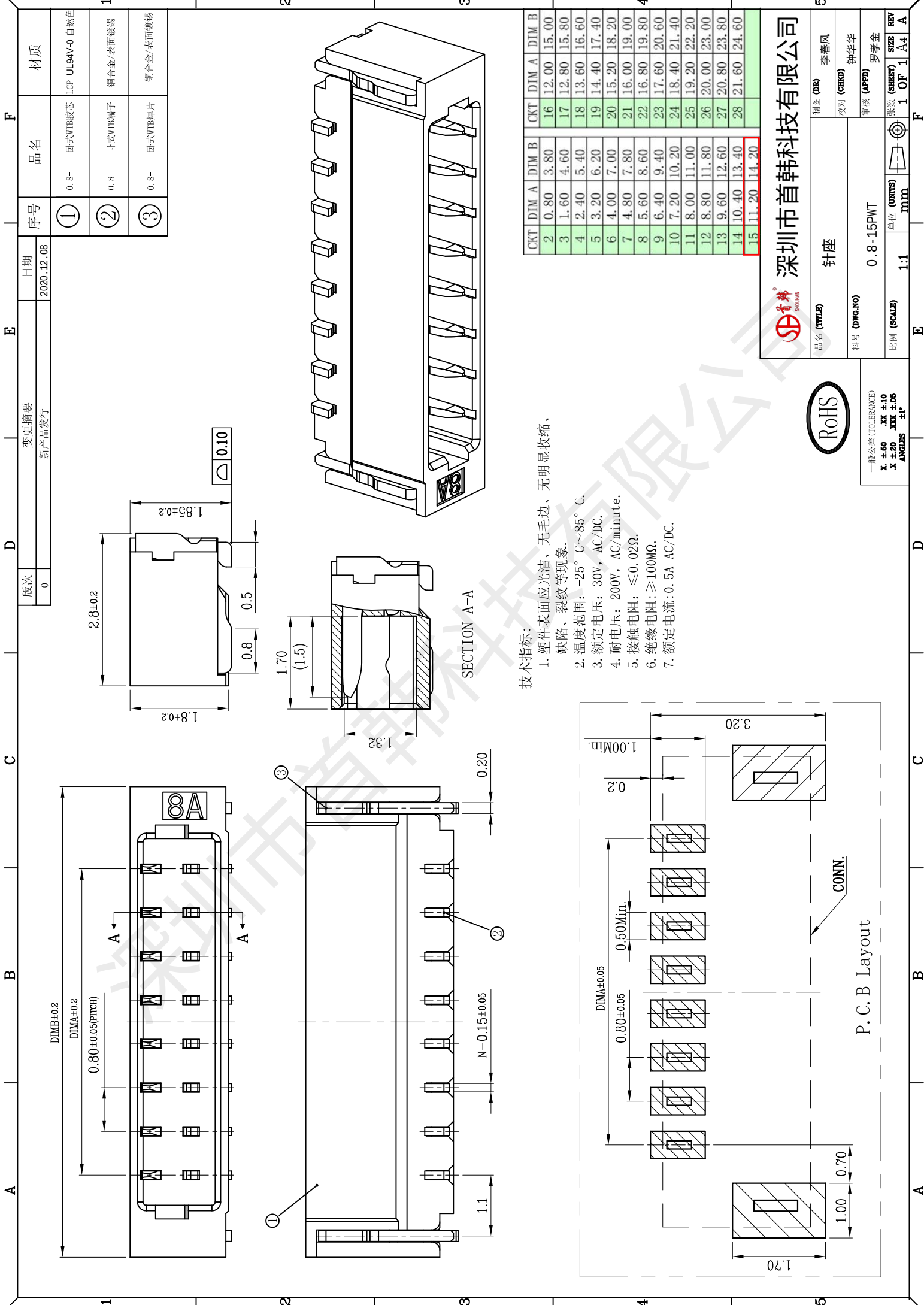
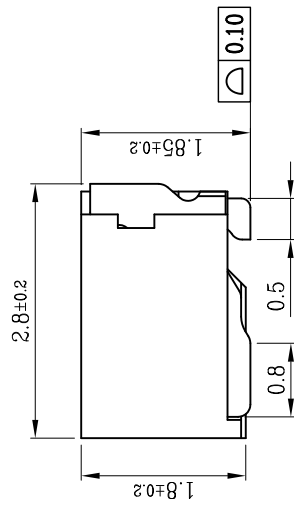




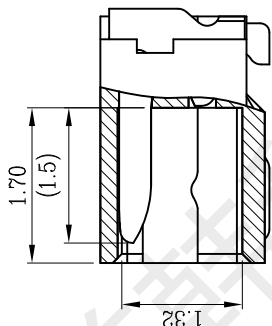
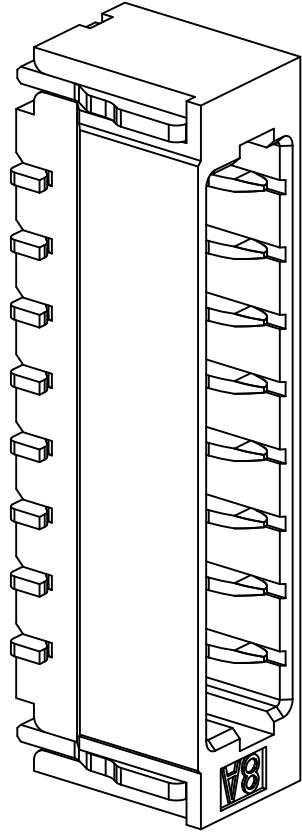
A B C D E F

|    |      |            |    |    |    |
|----|------|------------|----|----|----|
| 版次 | 变更摘要 |            | 序号 | 品名 | 材质 |
|    | 0    | 新产品发行      |    |    |    |
|    |      | 2020.12.08 |    |    |    |

|   |              |                 |
|---|--------------|-----------------|
| ① | 0.8- 卧式WTB胶芯 | LCP UL94V-0 自然色 |
| ② | 0.8- 立式WTB端子 | 铜合金/表面镀锡        |
| ③ | 0.8- 卧式WTB焊片 | 铜合金/表面镀锡        |



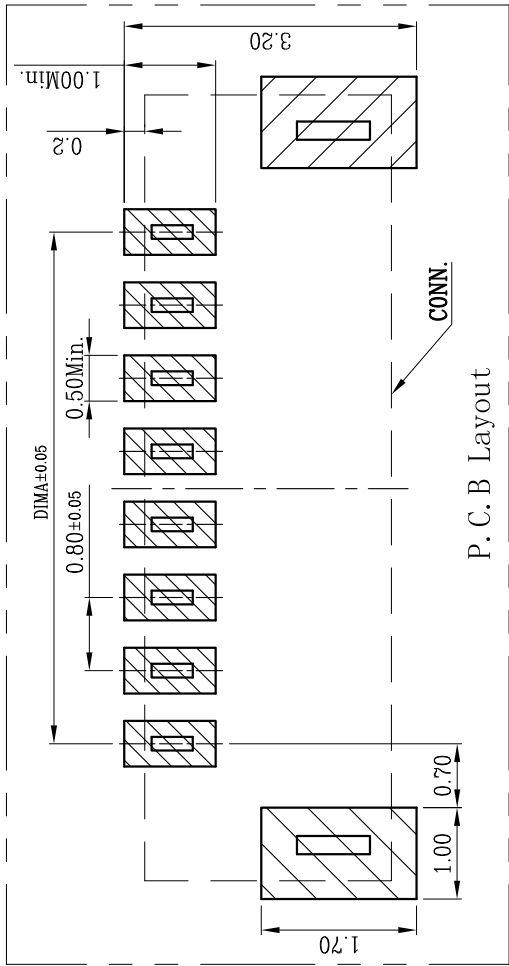
1 2 3 4 5



SECTION A-A

技术指标:

1. 塑件表面应光洁、无毛边、无明显收缩、缺陷、裂纹等现象。
2. 温度范围: -25° C~85° C.
3. 额定电压: 30V, AC/DC.
4. 耐电压: 200V, AC/minute.
5. 接触电阻: ≤0.02Ω.
6. 绝缘电阻: ≥100MΩ.
7. 额定电流: 0.5A AC/DC.



P.C.B Layout

| CKT | DIM A | DIM B | CKT | DIM A | DIM B |
|-----|-------|-------|-----|-------|-------|
| 2   | 0.80  | 3.80  | 16  | 12.00 | 15.00 |
| 3   | 1.60  | 4.60  | 17  | 12.80 | 15.80 |
| 4   | 2.40  | 5.40  | 18  | 13.60 | 16.60 |
| 5   | 3.20  | 6.20  | 19  | 14.40 | 17.40 |
| 6   | 4.00  | 7.00  | 20  | 15.20 | 18.20 |
| 7   | 4.80  | 7.80  | 21  | 16.00 | 19.00 |
| 8   | 5.60  | 8.60  | 22  | 16.80 | 19.80 |
| 9   | 6.40  | 9.40  | 23  | 17.60 | 20.60 |
| 10  | 7.20  | 10.20 | 24  | 18.40 | 21.40 |
| 11  | 8.00  | 11.00 | 25  | 19.20 | 22.20 |
| 12  | 8.80  | 11.80 | 26  | 20.00 | 23.00 |
| 13  | 9.60  | 12.60 | 27  | 20.80 | 23.80 |
| 14  | 10.40 | 13.40 | 28  | 21.60 | 24.60 |
| 15  | 11.20 | 14.20 |     |       |       |

深圳市首韩科技有限公司



|             |           |            |        |
|-------------|-----------|------------|--------|
| 品名 (TITLE)  | 针座        | 制图 (DR)    | 李春风    |
| 料号 (DWG.NO) | 0.8-15PWT | 校对 (CHKD)  | 钟华华    |
| 比例 (SCALE)  | 1:1       | 审核 (APPD)  | 罗孝金    |
| 单位          | mm        | 张数 (SHEET) | 1 Of 1 |
| 尺寸 (SIZE)   | A4        | 版本 (REV)   | A      |



一般公差 (TOLERANCE)  
X ±0.50 XX ±1.0  
X ±0.20 XXX ±0.05  
ANGLES ±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

客 户 Customer:

产品名称 Project:

针座

规格型号 Part No:

0.8-15PWT

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#28~#32

适用线规: AWG#28~#32

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         | 30V AC DC                    |
| 5.2         | Current Rated<br>额定电流         | 0.5A 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 | $\geq 100\text{M}\Omega$     |
| 5.5         | Dielectric Strength<br>耐压     | $\geq 200\text{V AC/minute}$ |

## 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: $260 \pm 5$ °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