



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:

\_\_\_\_\_

首韩型号:

PJ-313B

\_\_\_\_\_

厂家型号:


PJ-313 5JCJ

\_\_\_\_\_

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    | 张栋  |  |
| 批准/Approved | 罗孝金 |  |



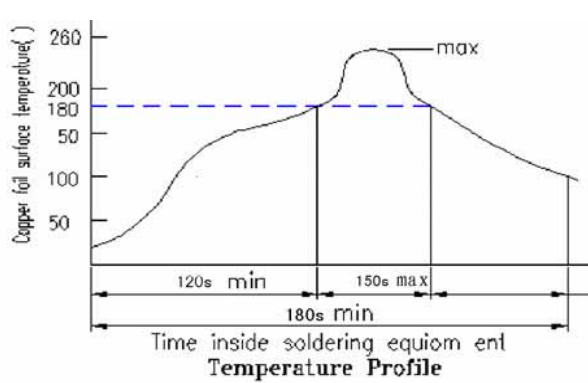
## SPECIFICATION

|   |  |   |  |
|---|--|---|--|
| RIPTION<br>名称: PHONE JACK<br>MODEL NO.: PJ-313B |  | DATE<br>日期: 2016 年 6 月 17 日   |  |
| RATING (额定值):                                   |  | DC  | 30V 0.5A   |
| PRACTICAL TEMPERATURE RANGE<br>使用温度范围           | -20~70°C<br>在-20°C~+70°C 温度内使用   |   |  |
| STANDARD ATMOSPHEIC CONDITIONS<br>测试标准状态        | UNLESS OTHERWISE SPECIFIED<br>THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1) BETWEEN BODY AND CONDUCTOR: 5°C TO 35°C<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT: 45% TO 85%<br>(3) PRESSURE: 86Kpa TO 106Kpa<br>在没有指定的情况下测试温度、湿度、气压如下:<br>(1) 温度为 5°C~35°C<br>(2) 湿度为 45%~85%<br>(3) 气压为 86 Kpa~106Kpa |   |  |
| MECHANICAL (机械性能)                               |  |   |  |
| ITEM 项目   |  | TEST CONDITIONS 测试条件  | PERFORMANCE 规格   |
| 1   | CONNECTION FORCE<br>插入力度   | MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES.<br>依据标准的 PLUG GAUGE 做第 3 次拔插后测定   | 3~25N  |
|   | DISCONNECTI ON FORCE<br>拔出力度   | MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES.<br>依据标准的 PLUG GAUGE 做第 3 次拔插后测定   | 3~25N  |
| 2   | TERMINAL STRENGTH<br>端子强度  | A STATIC LOAD OF 0.1N/m(1kgf/cm)SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN IN ANY DIRECTION<br>向排脚先端的任意一个方向加 1 分钟 0.1N/m(1kgf/cm)的力度.  | THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL ,AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED<br>在排脚中没有裂开、松动等异常, 满足于机械、电气性能 |
| ELECTRICAL (电气性能)                               |  |   |  |
| ITEM 项目   |  | TEST CONDITIONS 测试条件  | PERFORMANCE 规格   |
| 3.1   | CONTACT RESISTANCE<br>接触电阻   | MEASURED AT SMALL CURRENT (100m A OR LESS) 1000Hz<br>在微小电流 (100 mA) 以下测试  | ≤30m Ω   |
| 3.2   | INSULATION RESISTANCE<br>绝缘电阻  | APPLY A VOLTAGE OF 500V DC FOR 1 MIN TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE:<br>(1) BETWEEN BODY AND CONDUCTOR<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT<br>(3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN<br>输入 500V DC 电压 1 分钟, 按以下接触方法测试:<br>(1) 插座体与排脚之间<br>(2) 不接触的排脚之间<br>(3) 插头插入时不接触排脚之间 | ≥100M Ω  |

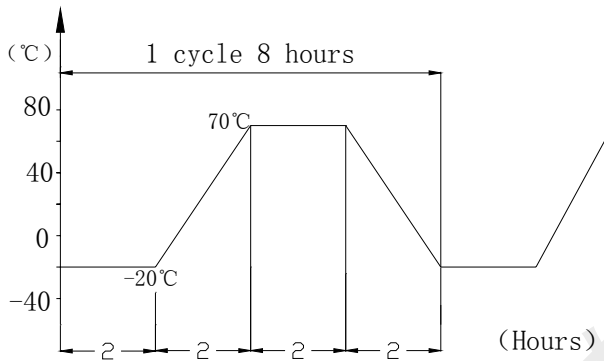
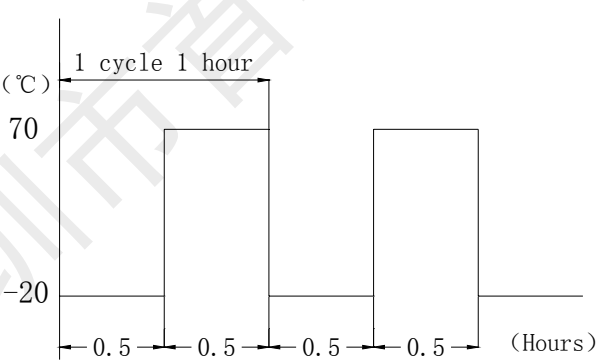
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| 3.3 | <b>DIELECTRIC STRENGTH</b><br>耐电压 | AC 500V ims(50~60Hz)FOR 1 MIN TRIP CURRENT:0.5mA<br>(1) BETWEEN BODY AND CONDUCTOR<br>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT<br>(3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN<br>输入 AC 500V (50Hz)/min 电压 1 分钟感度电流为 0.5mA, 按以下接触方法测试:<br>(1) 插座体与排脚之间<br>(2) 不接触的排脚之间<br>(3) 插头插入时不接触排脚之间 | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC<br>没有绝缘破坏等异常 |
|-----|-----------------------------------|--|--|

**URABILITY (耐久性)**

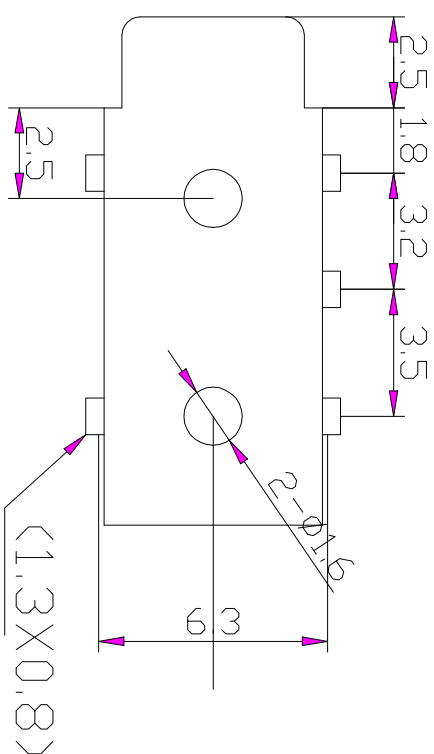
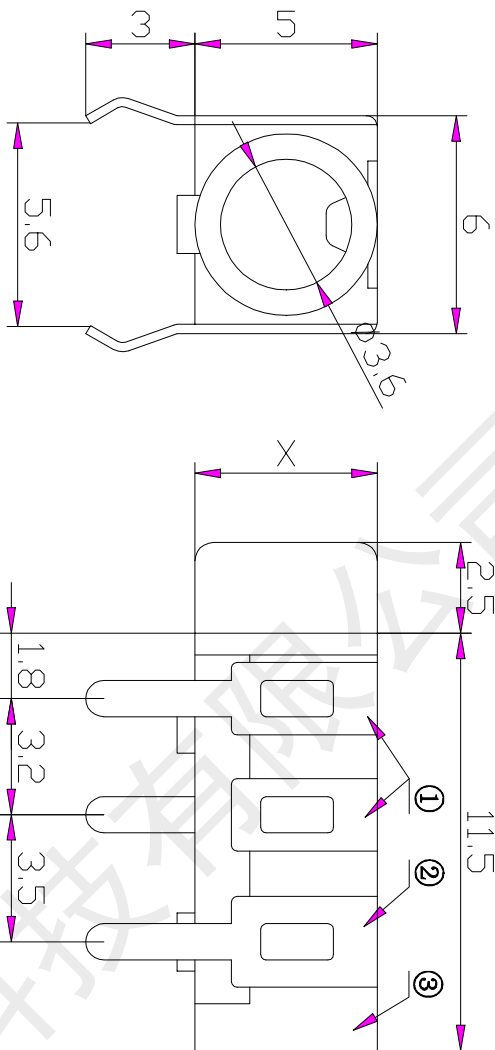
| ITEM 项目 | TEST CONDITIONS 测试条件   | PERFORMANCE 规格   |
|---------|--|--|
| 4.1     | <b>SOLDERABILITY TEST</b><br>可焊性试验<br><br>THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF 240±5°C FOR 3±0.5 SECONDS<br>端子顶部被浸入锡池中 1mm 深,温度为 240±5°C,时间为 3±0.5 秒 | (1) SOLDER WETTING TIME SHALL BE 3 SEC OR LESS<br>焊接时间应少于 3 秒<br>(2) THE AREA OF SOLDERING SHOULD BE OVER 75%<br>焊接面积应有 75% 以上 |

|     |   |  |  |
|-----|---|--|--|
| 4.2 | <b>RESISTANCE TO SOLDERING HEAT TEST</b><br>耐焊性试验 | <b>REFLOW SOLDERING CONDITIONS:</b><br>PREHEAT:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH 180 .120S AFTER THE P.C.B ENTERED INTO THE SOLDERING EQUIPMENT.<br>TALLEST TEMPERATURE:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH THE PEAK TEMPERATURE OF 260±5 WITH IN 20 SECONDS.<br><br>过回流焊条件:<br>预热:电镀层表面的温度应达到 180°C,120s 后电路板进入回流焊设备。<br>最高温度:电镀层表面温度最高为 260±5°C 且停留不超过 20 秒。<br><br> <p style="text-align: center;">Temperature Profile</p> | WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br>本体无变形, 满足于机械、电气性能 |
|-----|---|--|--|

|      |  |  |  |
|------|--|--|--|
| 4. 2 | <p>RESISTANCE TO SOLDERING HEAT TEST<br/>耐焊性试验</p> | <p>SOLDERING IRON METHOD:<br/>BIT TEMPERATURE <math>330 \pm 5^{\circ}\text{C}</math> APPLICATION TIME OF SOLDERING IRON <math>3 \pm 0.5</math> SEC<br/>HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL<br/>手焊接的时候温度需控制在 <math>330 \pm 5^{\circ}\text{C}</math> , 时间为 <math>3 \pm 0.5</math> 秒, 但不能在排脚上施加异常压力。</p>  | <p>WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br/>本体无变形, 满足于机械、电气性能</p>  |
| 4. 3 | <p>HUMIDITY TEST<br/>潮湿试验</p>                      | <p>THE JACK SHALL BE STORED AT A TEMPERATURE OF <math>40 \pm 2^{\circ}\text{C}</math> AND A HUMIDITY OF 90% TO 96% FOR 96 Hr; THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES<br/>放置 <math>40 \pm 2^{\circ}\text{C}</math> 的相应湿度为 90~96% Hr 环境中 96 小时后, 再将样板放在正常环境中 1 小时后进行测试</p>  | <p>THERE SHALL BE NO DAMAGE ON APPEARANCE.<br/>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br/>外观无异常, 满足于机械、电气性能。</p>   |
| 4.4  | <p>HEAT TEST<br/>耐热试验</p>                          | <p>THE JACK SHALL BE STORED AT A TEMPERATURE OF <math>70 \pm 2^{\circ}\text{C}</math> FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASURBM<br/>放置在温度 <math>70 \pm 2^{\circ}\text{C}</math> 中测试 96 小时后, 再放置正常室温中 1 小时来测定</p>  | <p>THERE SHALL BE NO DAMAGE ON APPEARANCE.<br/>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br/>外观无异常, 满足于机械、电气性能。</p>   |
| 4. 5 | <p>COLD TEST<br/>耐寒试验</p>                          | <p>THE JACK SHALL BE STORED AT A TEMPERATURE OF <math>-25 \pm 3^{\circ}\text{C}</math> FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH<br/>放置在温度 <math>-25 \pm 3^{\circ}\text{C}</math> 中 96 小时后, 再放置常温常湿中 1 小时来测定</p>  | <p>THERE SHALL BE NO DAMAGE ON APPEARANCE<br/>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br/>外观无异常, 满足于机械、电气性能</p>   |
| 4. 6 | <p>LIFE TEST<br/>寿命试验</p>                          | <p>WITHOUT LOAD<br/>CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 5, 000 CYCLES AT A SPEED OF 10 TO 25 CYCLES/MIN<br/>无负荷<br/>将结合了的标准 Plug(尽量要近于中心的)在 1 分钟内以 10~25 的速度, 进行 5000 次插入, 拔出<br/>LOAD:<br/>AT RATING CONDITION (NON-INDUCTIVE LOAD)<br/>CONNECTION AND DISCONNECTION SHALL BE MADE 5000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN<br/>负荷<br/>以定格状态(无诱导负荷)在 1 分钟内以 10~20 次的速度进行 5000 次插入、拔出</p> | <p>(1) CONTACT RESISTANCE SHALL BE <math>\leq 0.1 \Omega</math><br/>(2) DISCONNECTION FORCE SHALL BE 3 TO 20N<br/>(3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED<br/>(1) 接触电阻 <math>\leq 0.1 \Omega</math><br/>(2) 拔出力是 3~25N<br/>(3) 其它: 满足于机械、电气性能</p> |

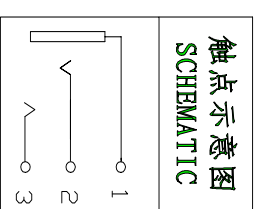
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| <p>4.7</p> | <p>TEMPERATURE CYCLING TEST<br/>温度循环测试</p> | <p>THE JACK SHALL BE SUB JECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN IN THE FIGURE,AND THEN SHALL RETURNED ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES<br/>将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟</p> <p>Temp(°C)</p>        | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.<br/>INSERTION &amp; EXTRACTION FORCE:3 TO 20N<br/>CONTACT RESISTANCE:MAX.30M Ω<br/>INSULATION RESISTANCE: MIN.100 M Ω<br/>DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂<br/>插拔力：3N 至 20N<br/>接触电阻：最大 30m Ω<br/>绝缘电阻：最小 100 M Ω<br/>绝缘耐压：最小 500VAC（端子之间）</p> |
| <p>4.8</p> | <p>COLD&amp;HEAT SHOCK TEST<br/>冷热冲击测试</p> | <p>THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWN IN THE FIGURE,AND THEN SHALL RETURNED AND ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES<br/>将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟</p> <p>TEMP (°C)</p>  | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.<br/>INSERTION &amp; EXTRACTION FORCE:3 TO 20N<br/>CONTACT RESISTANCE:MAX.30M Ω<br/>INSULATION RESISTANCE: MIN.100 M Ω<br/>DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂<br/>插拔力：3N 至 20N<br/>接触电阻：最大 30m Ω<br/>绝缘电阻：最小 100 M Ω<br/>绝缘耐压：最小 500VAC（端子之间）</p> |

| 标 | 说明 | 签名 | 日期 |
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印制板开孔尺寸(±0.1)

显示为底面



| 序号 | 名称   | 数量 | 零件图号 | 对应端子号 | 材质/厚度     | 颜色/镀层 |
|----|------|----|------|-------|-----------|-------|
| ③  | 底座   | 1  |      |       | PPT       | 黑色    |
| ②  | 2号触片 | 1  |      | 3     | 磷铜 t=0.25 | 镀银    |
| ①  | 1号触片 | 2  |      | 1-2   | 磷铜 t=0.25 | 镀银    |

## 外形图

首特  
SHOUTE  
深圳市首特科技有限公司

| 角度         | ±2°  | 设计 | 李春风 | 日期 | 2010-8-13 | 名称: | 耳机座     |
|------------|------|----|-----|----|-----------|-----|---------|
| L > 10     | ±0.3 | 审核 | 张栋  | 日期 | 2010-8-13 | 料号: | PJ-313B |
| 6 < L ≤ 10 | ±0.2 | 批准 | 罗孝金 | 日期 | 2010-8-13 | 质量  | 0.29    |
| L ≤ 6      | ±0.1 | 图号 |     | 比例 | 5:1       | 页码  | 1/1     |
| 单位: mm     |      |    |     |    |           | 版本  | A       |
|            |      |    |     |    |           |     | A4      |

| 气候等级<br>Climate<br>Grade | 额定值<br>Rated<br>values | 接触电阻<br>Contact<br>resistance | 耐压<br>Dielectric<br>strength | 绝缘电阻<br>Insulation<br>resistance | 插拔力<br>perating<br>force | 寿命<br>Life TEST |
|--------------------------|------------------------|-------------------------------|------------------------------|----------------------------------|--------------------------|-----------------|
| -20~70°C                 | DC 30V/0.5A            | ≤30mΩ                         | 500V/AC                      | ≥100Ω                            | 3N~25N                   | 5000次           |

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