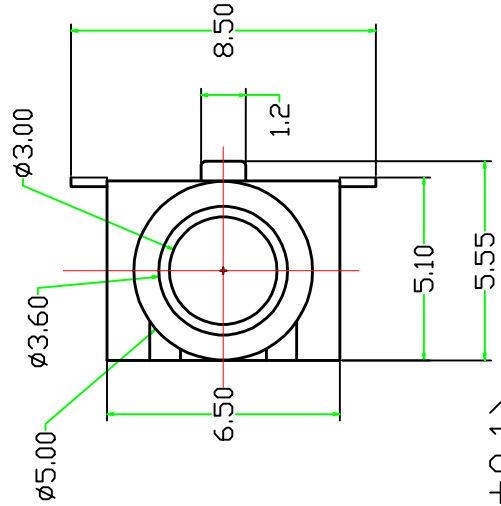
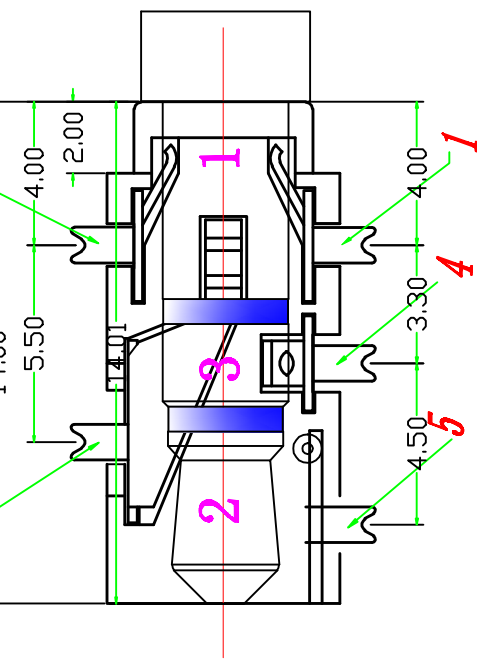
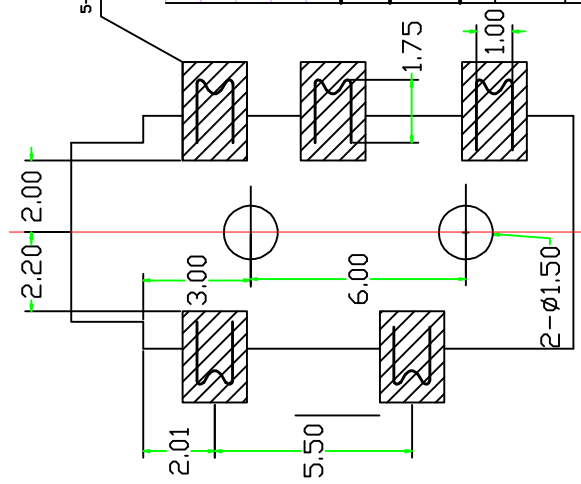
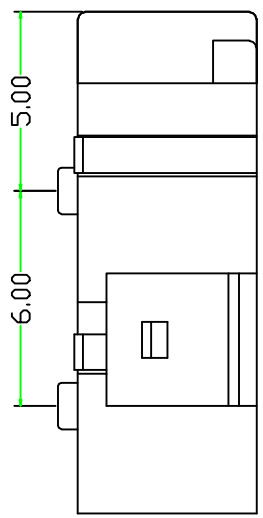


|    |    |    |    |    |    |    |   |   |   |   |   |   |   |   |   |
|----|----|----|----|----|----|----|---|---|---|---|---|---|---|---|---|
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |



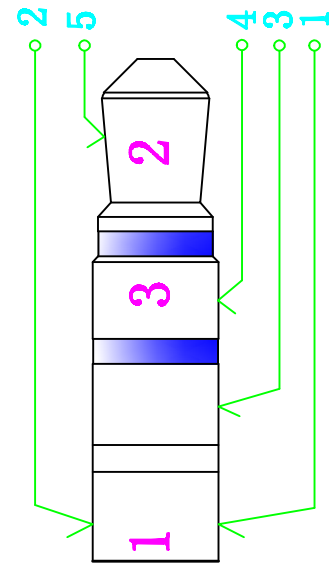
印制板开孔尺寸 $(\pm 0.1)$

显示为底面



所有物质均符合环保要求

电原理图



| 序号 | 名称   | 数量 | 零件图号          | 对应端子号 | 材质               | 颜色/镀层 |
|----|------|----|---------------|-------|------------------|-------|
| ⑤  | 底座   | 1  | CX3.5-327A-06 |       | PPA              | 黑色    |
| ④  | 4号插片 | 2  | CX3.5-327A-04 | 4     | Qsn6.5-0.1t=0.25 | Ag    |
| ③  | 3号插片 | 1  | CX3.5-327A-03 | 3     | Qsn6.5-0.1t=0.25 | Ag    |
| ②  | 2号插片 | 1  | CX3.5-327A-02 | 2     | Qsn6.5-0.1t=0.2  | Ag    |
| ①  | 1号插片 | 1  | CX3.5-327A-01 | 1     | Qsn6.5-0.1t=0.2  | Ag    |
| 序号 | 名称   | 数量 | 零件图号          | 对应端子号 | 材质               | 颜色/镀层 |

深圳市首韩科技有限公司

| 角度              | $\pm 2^\circ$ | 设计 | 李善凤  | 日期 | 2020.6.10 | 总称: | 耳机插口      |
|-----------------|---------------|----|--|----|-----------|-----|-----------|
| L > 10          | $\pm 0.3$     | 审核 | 钟国华 <td>日期</td> <td>2020.6.10</td> <td>料号:</td> <td>PJ-327F-Y</td> | 日期 | 2020.6.10 | 料号: | PJ-327F-Y |
| 6 < L $\leq$ 10 | $\pm 0.2$     | 批准 | 罗孝金 <td>日期</td> <td>2020.6.10</td> <td>质量</td> <td>0.365g</td>     | 日期 | 2020.6.10 | 质量  | 0.365g    |
| L $\leq$ 6      | $\pm 0.1$     | 图号 |  | 比例 | 1/1       | 页码  | A         |
| 单位:mm           |               |    |  |    |           | 版本  | A4        |



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Tel: 0755-27597601 Fax: 0755-27597491

# 承 认 书

## SPECIFICATION FOR APPROVAL

客 户 Customer:

\_\_\_\_\_

产品名称 Project:

耳机座

\_\_\_\_\_

规格型号 Part No:

PJ-327A-Y

\_\_\_\_\_

### 贵公司承认印 Approval signatures

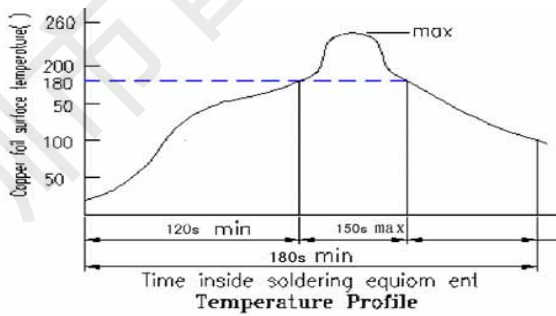
| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
|              |                |

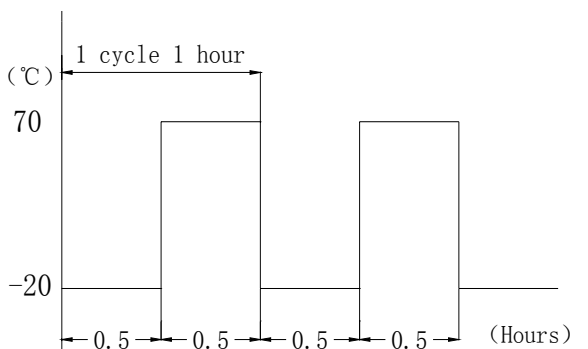
日期 Date:

|             |     |  |
|-------------|-----|--|
| 拟制/Drawn    | 李春风 |  |
| 审核/Check    | 钟华华 |  |
| 批准/Approved | 罗孝金 |  |



|   |  |   |   |
|---|--|---|---|
| RIPTION<br>名称: PHONE JACK<br>MODEL NO.: PJ-327A-Y |  |   |   |
| RATING (额定值): DC 30V 0.5 A                        |  |   |   |
| PRACTICAL<br>TEMPERATUR<br>E RANGE<br>使用温度范围      | -30~70° C<br>在-30° C~+70° C 温度内使用  |   |   |
| STANDARD<br>ATMOSPHEIC<br>CONDITIONS<br>测试标准状况    | UNLESS OTHERWISE SPECIFIED<br>THE STANDARD RANGE OF ATMOSPHERIC<br>CONDITIONS FOR MAKING MEASUREMENTS<br>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<br>FORCE<br>插入力度  | MEASUREMENT SHALL BE MADE AFTER CONNECTING AND<br>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 ~ 20N   |
|   | DISCONNECTI<br>ON<br>FORCE<br>拔出力度   | MEASUREMENT SHALL BE MADE AFTER CONNECTING AND<br>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 ~ 20N   |
| 2   | TERMINAL<br>STRENGTH<br>端子强度   | A STATIC LOAD OF 0.1N/m(1kgf/cm)SHALL BE APPLIED TO THE<br>TIP OF THE TERMINAL FOR 1 MIN<br>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<br>TO THE TERMINAL SUCH AS<br>CRACKS, LOOSENESS OR PLAY<br>ELECTRICAL ,AND MECHANICAL<br>CHARACTERISTICS SHALL BE<br>SATISFIED<br>在排脚中没有裂开、松动等异常, 满足<br>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<br>RESISTANCE<br>接触电阻  | MEASURED AT SMALL CURRENT (100m A OR LESS)<br>1000Hz<br>在微小电流 (100 m A) 以下测试  | $\leq 30m \Omega$   |
| 3.2   | INSULATION<br>RESISTANCE<br>绝缘电阻   | APPLY A VOLTAGE OF 500V DC FOR 1 MIN<br>TO FOLLOWING PORTIONS AFTER WHICH<br>MEASUREMENT<br>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<br>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 | $\geq 100M \Omega$  |

|                 |  |   |  |
|-----------------|--|---|--|
| 3.3             | <p>DIELECTRIC STRENGTH<br/>耐电压</p>                 | <p>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</p> <p>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</p>  | <p>WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC<br/>没有绝缘破坏等异常</p>   |
| URABILITY (耐久性) |  |   |  |
| ITEM 项目         |  | TEST CONDITIONS 测试条件  | PERFORMANCE 规格   |
| 4.1             | <p>SOLDERABILITY TEST<br/>可焊性试验</p>                | <p>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</p>  | <p>(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</p>   |
| 4.2             | <p>RESISTANCE TO SOLDERING HEAT TEST<br/>耐焊性试验</p> | <p>REFLOW SOLDERING CONDITIONS:<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/>过回流焊条件: 预热:电镀层表面的温度应达到180℃, 120s 后电路板进入回 流焊设备。最高温度:电镀层表面温度最高为 260±5℃且 停留不超过 20秒。</p>  <p style="text-align: center;">Temperature Profile</p> | <p>WITHOUT DEFOR MATION 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> |
| 4.2             | <p>RESISTANCE TO SOLDERING HEAT TEST<br/>耐焊性试验</p> | <p>SOLDERING IRON METHOD:<br/>BIT TEMPERATURE: 330±5°C APPLICATION TIME OF SOLDERING IRON3±0.5 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 330±5℃ , 时间为 3±0.5 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</p> <p>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.</p> <p>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED</p> <p>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</p> <p>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>   |  |
| 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</p> <p>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</p> <p>MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED</p> <p>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>AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 5000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN</p> <p>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></p> <p>2. DISCONNECTION FORCE SHALL BE 3 TO 20N</p> <p>3. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED</p> <p>(1) 接触电阻 <math>\leq 0.1 \Omega</math></p> <p>(2) 拔出力是 3~20N</p> <p>(3) 其它: 满足于机械、电气性能</p>   |
| 4.7 | <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</p> <p>将插座以下列条件作 5 个循环, 然后放回室内环境 30 分钟 TEMP (<math>^{\circ}\text{C}</math>)</p>  <p>The graph shows a square wave temperature profile. The y-axis is labeled '(°C)' with values 70 and -20. The x-axis is labeled '(Hours)' with values 0.5 and 1. A horizontal line at 70°C is shown for 0.5 hours, followed by a vertical drop to -20°C, then a horizontal line at -20°C for 0.5 hours, and a vertical rise back to 70°C. This sequence is labeled '1 cycle 1 hour'. The total duration for 5 cycles is 5 hours.</p> | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>INSERTION &amp; EXTRACTION FORCE: 3 TO 20N</p> <p>CONTACT RESISTANCE: MAX. <math>30 \text{m}\Omega</math></p> <p>INSULATION RESISTANCE: MIN. <math>100 \text{M}\Omega</math></p> <p>DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN (BETWEEN TERMINALS)</p> <p>产品不能变形与破裂</p> <p>插拔力: 3N 至 20N</p> <p>接触电阻: 最大 <math>30 \text{m}\Omega</math></p> <p>绝缘电阻: 最小 <math>100 \text{M}\Omega</math></p> <p>绝缘耐压: 最小 500VAC (端子之间)</p> |

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