



|               |        |              |
|---------------|--------|--------------|
| CUSTOMER NAME | 客户名称:  |              |
| CUSTOMER NO.  | 客户编号:  |              |
| SERIES        | 系 列:   | 耳机插头         |
| MODEL NO.     | 型 号:   | XB-P35360245 |
| DRAWING NO.   | 图 形 号: | Audio plug   |

依据和存档之用，多谢合作！

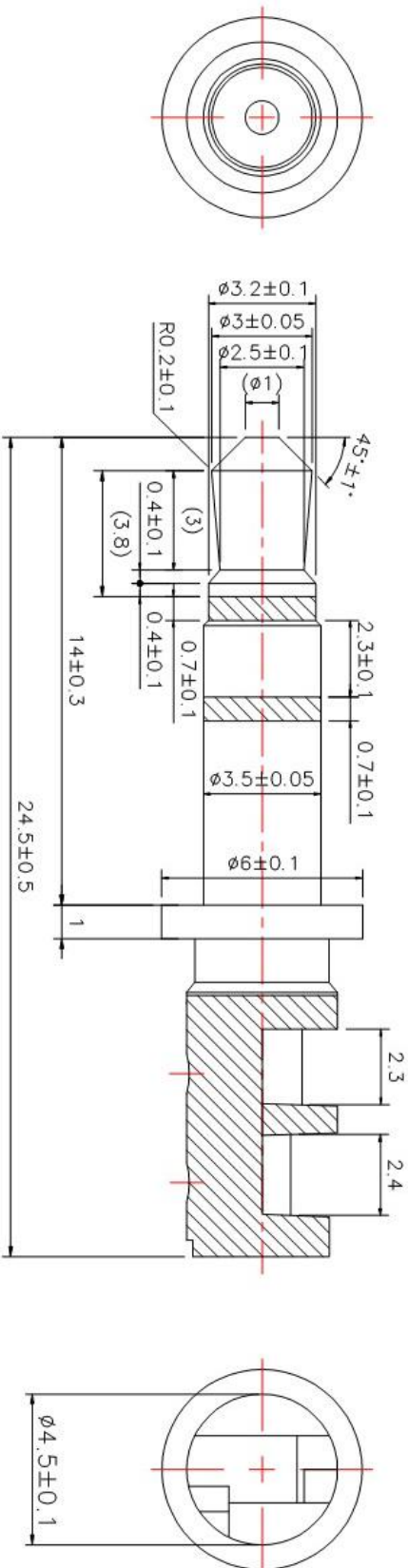
| APPROVE 接受   |          |         | NOT APPROVE 不接受 |  |  |
|--------------|----------|---------|-----------------|--|--|
|              |          |         |                 |  |  |
| SIGNATURE 簽署 | STAMP 盖章 | DATE 日期 |                 |  |  |

|                                                       |                                                       |                                                      |                                                      |
|-------------------------------------------------------|-------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|
| PREPARED BY.制表人                                       | CHECKED BY.校对                                         | APPROVED BY.审核                                       | APPROVAL BY. 批准                                      |
| <div>研发部</div> <div>戴海明</div> <div>2022. 06. 08</div> | <div>品质部</div> <div>黄自清</div> <div>2022. 06. 08</div> | <div>工程部</div> <div>庞军</div> <div>2022. 06. 08</div> | <div>总经办</div> <div>吴量</div> <div>2022. 06. 08</div> |

Quality core! Afterburner for Made in China!

ROHS

| 版本<br>REV | 修正修記<br>REV/LR | 修正前<br>BEFORE REVISION | 修正后<br>AFTER REVISION | 簽名<br>SIGN | 日期<br>DATE |
|-----------|----------------|------------------------|-----------------------|------------|------------|
| V1.0      |                | 新舊制定                   |                       | June       | 20180818   |
|           |                |                        |                       |            |            |
|           |                |                        |                       |            |            |



### Technology Request:

- 1.Outlook:No hurt, no hurt.
- 2.Electronic performance:
  - a:Insulation resistance:  
Above 1000MΩ ;
  - b:Endure voltage:  
AC500V at 1 minute;
  - c:Contact resistance:Under 30mΩ ;
- 3.Insertion force & withdrawal force:  
0.3-3kgf.
- 4.Salt spray test:24H.
- 5.Meet RoHS.
- 6.Remark \* is important specification.

|                                                                                   |           |                                                                                   |         |
|-----------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------|---------|
|  |           |  |         |
| 单位<br>Unit                                                                        | mm        | 一般公差<br>The general tolerance                                                     |         |
| 比例<br>Scale                                                                       | 5:1       | XX:±0.3                                                                           |         |
| 视图<br>Third angle projection                                                      | XX:±0.1   | XX:±0.05                                                                          |         |
| NO.                                                                               |           |                                                                                   |         |
| 1                                                                                 | PLASTIC   | POM                                                                               | BLACK   |
| 2                                                                                 |           | C3604                                                                             | N11-3um |
| 3                                                                                 | 二段拉伸管     | C2680                                                                             | N11-3um |
| 4                                                                                 | 6.0*8.5塑盘 | C3604                                                                             | N11-3um |
| 5                                                                                 |           |                                                                                   |         |
| 6                                                                                 |           |                                                                                   |         |
| 7                                                                                 |           |                                                                                   |         |
| 核准<br>APPROVED BY                                                                 |           | 校对<br>CHECKED BY                                                                  |         |
| June                                                                              |           | 杨义邦                                                                               |         |
| 制图<br>DRAWN BY                                                                    |           | 李莹峰                                                                               |         |
| 规格<br>DESCRIPTION:                                                                |           | 品名<br>P/N:                                                                        |         |
| AUDIO PLUG Ø3.5*Ø6.0*24.5                                                         |           | P35360245                                                                         |         |
| 图号<br>DRAWN NO:                                                                   |           | CP-05-0064                                                                        |         |

# 規 格 書

## SPECIFICATION

SERIES 系列: Audio plug (STEREO)

MODEL NO. 型號: XB-P35360245

1. RATING 額定值: 1A 12V DC

2. CIRCUIT 回路:

3. TIMING 切換類型:

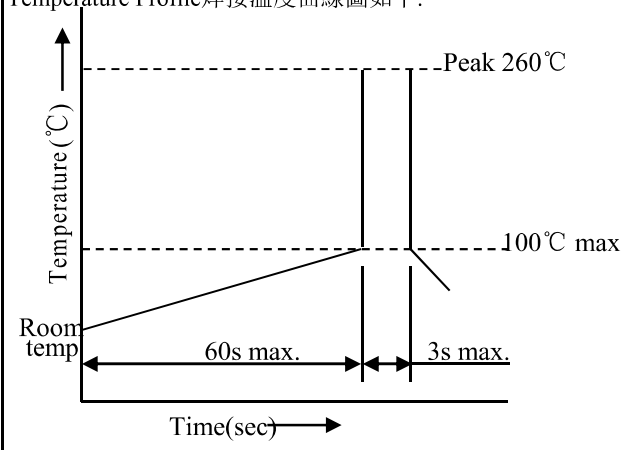
4. STANDARD TEST TEMPERATURE SHALL BE 5°C TO 35°C AND HUMIDITY SHALL BE 45% TO 85% .

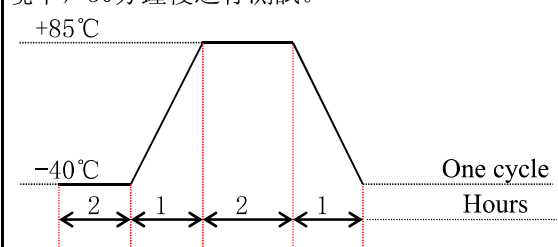
溫度 5~35°C, 濕度 45~85% 標準狀態下測試。

5. OPERATING TEMPERATURE RANGE IS -20°C TO 70°C. IT IS USUALLY APPLIED TO ELECTRONIC AND ELECTRICAL APPLIANCE PRODUCTS.

溫度 -20°C~70°C 環境內使用。一般適用於電子、電氣方面產品使用。

| ITEM 項目                                 |                                            | TEST CONDITION 測試條件                                                                                                                                                                          | PERFORMANCE 性能                                                                    |
|-----------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>6. ELECTRONICAL PERFORMANCE 電氣性能</b> |                                            |                                                                                                                                                                                              |                                                                                   |
| 6.1                                     | CONTACT RESISTANCE<br>接觸電阻                 | Being tested at 1 kHz small current and voltage (100mA,20mV ) by contact resistance meter.<br>在 1kHz 小電流電壓 (100mA,20mV) 下測量。                                                                 | 100mΩ max.<br>100毫歐 以下。                                                           |
| 6.2                                     | INSULATION RESISTANCE<br>絕緣電阻              | DC 500 V shall be applied for test between terminals and between terminals and frame for one minute.<br>在端子之間和端子與殼之間加 DC 500 V 條件下, 持續1分鐘測量。                                                 | 100 MΩ min.<br>100兆歐 以上。                                                          |
| 6.3                                     | WITHSTAND VOLTAGE<br>耐電壓                   | AC 500 V and induction current 1 mA shall be applied for test between terminals and between terminals and frame for one minute.<br>在端子之間和端子與殼之間加 AC 500 V (50Hz或60Hz) 感應電流 1mA 條件下, 持續1分鐘測量。 | There shall be no breakdown.<br>無擊穿現象出現。                                          |
| <b>7. MECHANICAL PERFORMANCE 機械性能</b>   |                                            |                                                                                                                                                                                              |                                                                                   |
| 7.1                                     | INSERTION AND EXTRACTION FORCE<br>插入及拔出 力度 | Insert plug into the jack and extract for test. then measure the insertion and extraction force.<br>用插頭插入和拔出插座, 測量插入和拔出的作用力。                                                                 | Insertion force:<br>插入力度: 0.4~2.0kgf<br>Extraction force:<br>拔出力度: 0.3~1.5kgf     |
| 7.2                                     | TERMINAL STRENGTH<br>端子強度                  | A static force of 500 g being applied in one direction on the tip of the terminal for 1 minute.<br>一個 500 克之靜負荷施加於端子頂部的一個方向持續1分鐘。                                                            | There shall be no sign of mechanical and electrical damage.<br>無任何迹象顯示機械及電器性能之損壞。 |

| ITEM 項目                  |                                   | TEST CONDITION 測試條件                                                                                                                                                                                                                                                                                                                                                           | PERFORMAENCE 性能                                                                                                                          |
|--------------------------|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| <b>8. DURABILITY 耐久性</b> |                                   |                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                          |
| 8.1                      | SOLDERING TEST<br>可焊性試驗           | <p>The tip of the terminals shall be dipped 2 mm in the solder bath within temperature of <math>250\pm 5^{\circ}\text{C}</math> for 3 seconds.<br/>端子頂部被浸入焊錫池 2mm 深, 溫度<math>250\pm 5^{\circ}\text{C}</math>, 時間3秒。</p>                                                                                                                                                       | <p>Over 95% of the immersed surface was covered by tin.<br/>浸入的部份95%以上表面將被錫覆蓋。</p>                                                       |
|                          |                                   | <p>The condition mentioned is temperature for lead-free soldering .<br/>無鉛錫測試<br/>Alloy: Sn 96.5% Cu 3% Ag 0.5%<br/>成份: 錫 96.5% 銅 3% 銀 0.5%</p>                                                                                                                                                                                                                               |                                                                                                                                          |
| 8.2                      | SOLDERING RESISTANT TEST<br>耐焊性試驗 | <p>Manual soldering temperature <math>300\pm 5^{\circ}\text{C}</math>, soldering time <math>3\pm 0.5</math> seconds, however excessive pressure shall not be applied to the terminal.<br/>手焊接的時候溫度需控制在<math>300\pm 5^{\circ}\text{C}</math>, 時間為<math>3\pm 0.5</math>秒, 但不能在端子上施加異常壓力。</p>                                                                                    | <p>Without deformation of case or excessive looseness of teminals, meet mechanical and electrical properties<br/>本體無變形, 能滿足於機械、電器性能。</p> |
|                          |                                   | <p>The condition mentioned is temperature for lead-free soldering .<br/>無鉛錫測試。<br/>Alloy: Sn 96.5% Cu 3% Ag 0.5%<br/>成份: 錫 96.5% 銅 3% 銀 0.5%</p>                                                                                                                                                                                                                              |                                                                                                                                          |
| 8.3                      | Wave soldering<br>波峰焊             | <p>When applying wave soldering, the peak temperature of the wave Oven should be set to <math>260^{\circ}\text{C}</math> max.<br/>當使用低波爐進行焊接時, 最高溫度設置為<math>260^{\circ}\text{C}</math>.<br/>ondition for soldering (Wave &amp; Non-washable Type)<br/>Temperature Profile 焊接溫度曲線圖如下:</p>  |                                                                                                                                          |
|                          |                                   | <p>There shall be no defects in appearance or in the mechanical functions.<br/>沒有出現任何外觀和機械功能上的損傷。</p>                                                                                                                                                                                                                                                                         |                                                                                                                                          |
|                          |                                   | Items                                                                                                                                                                                                                                                                                                                                                                         | Condition                                                                                                                                |
|                          |                                   | Preheating temperature                                                                                                                                                                                                                                                                                                                                                        | Ambient temperature of the soldered surface of PC board $100^{\circ}\text{C}$ max.                                                       |
|                          |                                   | Preheating time                                                                                                                                                                                                                                                                                                                                                               | 60s max.                                                                                                                                 |
|                          |                                   | Soldering temperature                                                                                                                                                                                                                                                                                                                                                         | $260^{\circ}\text{C}$ max.                                                                                                               |
|                          |                                   | Continuous dipping time                                                                                                                                                                                                                                                                                                                                                       | 3s max.                                                                                                                                  |
|                          |                                   | Number of soldering                                                                                                                                                                                                                                                                                                                                                           | 1 times max.                                                                                                                             |

| ITEM 項目 |                                    | TEST CONDITION 測試條件                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | PERFORMAENCE 性能                                                                                                                                                                  |
|---------|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.4     | LIFE TEST<br>壽命試驗                  | 5000 cycles of operation at a rate of 15-18 cycles per minute with unloading<br>無負載條件下，每分鐘 15-18 次的速度操作 5000 次。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | (1) Contact resistance<br>150mΩ max.<br>接觸電阻150毫歐 以下<br>(2) Insertion force:<br>插入力度: 0.25~2.0kgf<br>Extraction force:<br>拔出力度: 0.2~1.5kgf<br>(3) ITEM 項目—6.2<br>(4) ITEM 項目—6.3 |
| 8.5     | HEAT RESISTANT TEST<br>耐熱試驗        | 80±2℃ for 96 hours, test after keeping in normal condition for 30 minutes.<br>在 80±2℃ 環境中放96小時, 再放在正常環境中30分鐘後進行測試。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | (1) Contact resistance<br>150 mΩ max.<br>接觸電阻150毫歐以下<br>(2) Insulation resistance<br>50 MΩ min.<br>絕緣電阻50兆歐以上<br>(3) ITEM 項目—6.2<br>(4) ITEM 項目—6.3                              |
| 8.6     | MOISTURE RESISTANT TEST<br>耐濕試驗    | 40±2℃ 90-95% RH for 96 hours, test after keeping in normal condition for 30 minutes.<br>在40±2℃ 90-95% RH 環境中放96小時, 再放在正常環境中, 30分鐘後進行測試。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                  |
| 8.7     | COLD RESISTANT TEST<br>耐冷試驗        | At -40±3℃ for 96 hours, test after keeping in normal condition for 30minutes.<br>在 -40±3℃ 環境中放96小時, 再置於正常環境中, 30分鐘後進行測試。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                  |
| 8.8     | TEMPERATURE CYCLING TEST<br>溫度交變試驗 | According to following figure, after 5 cycles, test after keeping in normal condition for 30 minutes.<br>如圖示之環境中, 循環5次後, 再置於正常環境中, 30分鐘後進行測試。<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                  |
| 8.9     | STORAGE ENVIROMENT<br>儲存環境         | Under sealing pack condition, stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas, the stored time ought to be three months but within six month at most.<br>密封包裝狀態下, 儲存溫度為≤30℃, 相對溫度 75% RH; 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間為3個月, 最長不宜超過6個月。<br>Without sealing pack condition, stored temperature don't exceed 30℃ and relative humidity is 75% RH; in the enviroment of no sunshine direct and no corrosive gas, the stored time shouldn't exceed 48H<br>無密封包裝狀態下, 儲存溫度為≤30℃, 相對溫度 75% RH; 無陽光直射, 無腐蝕性氣體的環境中, 儲存時間最長不宜超過48小時。<br>Don't excessive overlap or overstocking when keeping this goods, in case of damage.<br>保存時應注意物品不能過量重疊、積壓、以免損壞 |                                                                                                                                                                                  |