



## 承認書

APPROVE SHEET



敬請承認如下之形式規格書：

客戶名稱

CUSTOMER: \_\_\_\_\_

貴公司製品名

本公司製品名：

耳机插座

CUSTOMER PN: \_\_\_\_\_

PRODUCT PN: \_\_\_\_\_

貴公司規格

本公司規格：

PJ-342C 有头沉板

APPROVAL DAT: \_\_\_\_\_

PRODUCT CODE: \_\_\_\_\_

客戶料號：

本公司規格書編號：

CUSTOMER NO.: \_\_\_\_\_

PRODUCT DRAWING NO.: \_\_\_\_\_

新品承認

NEW APPROVE

規格變更再承認

CHANGE CODE APPROVE

AGAIN

材料變更再承認

CHANGE MATERIAL APPROVE

AGAIN

APPROVAL

批准

DATE:

CHECK

審查

DATE:

DESIGN

設計

DATE:

貴公司承認欄

APPROVAL SIGNATURES

請於\_\_\_\_年\_\_\_\_月\_\_\_\_日前承認返回

日期 DATE: \_\_\_\_\_

PLEASE RETURN TO ADMIT XUNIANRURI

### 深圳市亿利百斯特电子有限公司

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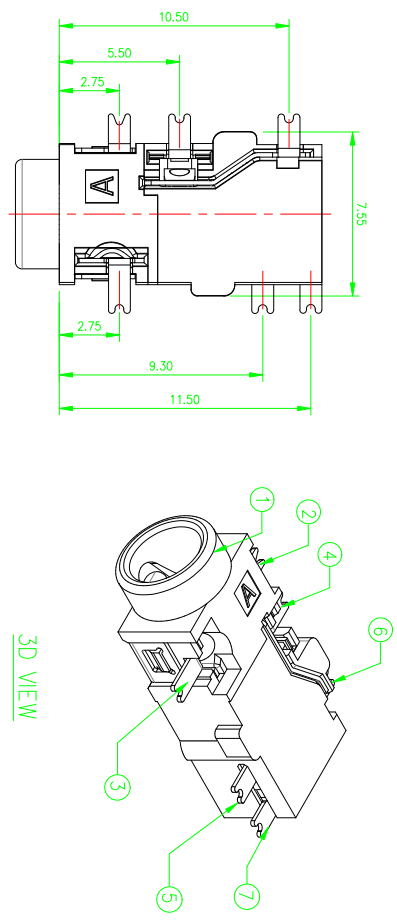
深圳市亿利百斯特电子有限公司 ShenZhen ElyBest Electronics Co., Ltd		文件編號	
		發佈日期	2008年01月18日
SPECIFICATION 規格書		第 A 版	第 1 頁 共 3 頁
MODEL NO. 產品名稱: 耳机插座 Phone Jack			
DRAWN 制訂		APPV 審批	
1. RATING (額定值) : DC 30V 0.5A			
2. ELECTRICAL CHARACTERISTICS (電氣性能規格):			
ITEM 項目	TEST CONDITIONS 測試條件		PERFORMANCE 規格
2. 1	CONTACT RESISTANCE 接觸電阻	1000Hz MEASURED AT SMALL CURRENT (100mA OR LESS) 1000Hz 在微小電流 (100mA ) 以下測試。	100m Ω MAX 100 毫歐以下。
2. 2	INSULATION RESISTANCE 絕緣電阻	APPLY A VOLTAGE OF 250V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED. 輸入: 250V DC 電壓 1 分鐘, 按以下接觸方法測試: (1) 插座體與排腳之間 (2) 不接觸的排腳之間 (3) 插頭插入時不接觸排腳之間	100M Ω MIN 100 兆歐以上。
2. 3	DTELECTRIC STRENGTH 耐電壓	AC 250V IMS (50-60Hz) FOR 1 MIN TRIP CURRENT: 0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED. 插入 AC 250V (50-60HZ) 電壓, 1 分鐘感應電流 0.5m A, 接以下接觸方法測試: (1) 插座體與排腳之間 (2) 不接觸的排腳之間 (3) 插頭插入時不接觸排腳之間	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC 沒有絕緣破壞等異常
3. MECHANICAL CHARACTERISTICS (機械性能規格)			
3. 1	CONNECTION FORCE 插入力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. 依據標準的 PLUG GAUGE 做出 3 次撥插後測定。	(0.3~2.0K g)
	DISCONNECTING FORCE 拉出力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. 依據標準的 PLUG GAUGE 做出 3 次撥插後測定。	(0.3~1.5K g)
3. 2	TERMINAL STRENGTH 端子強度	A STATIC LOAD OF 300gf SHALL BE APPLIED TO THE TERMINAL FOR 15 SEC. IN ANY DIRECTION. 排腳前端任意一個方向加 300gf 力度測, 時間為 15 秒。	THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED 在排腳中沒有裂開, 鬆動等異常。 滿足於機械, 電器性能。

<b>深圳市亿利百斯特电子有限公司</b> ShenZhen ElyBest Electronics Co.,Ltd		文件編號	
SPECIFICATION 規格書		發佈日期	2008年01月18日
		第 A 版	第 2 頁 共 3 頁
<b>4. DURABILITY (耐久性):</b>			
ITEM	項目	TEST CONDITIONS 測試條件	PERFORMANCE 規格
4.1	SOLDERABILITY TEST 可焊性試驗	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5°C FOR 3±0.5 SECONDS. 端子頂部被浸入錫焊池中 2mm 深，溫度為 230±5°C，時間為 3±0.5 秒。	THE AREA OF SOLDERING. SHOULD BE OVER 75%. 焊接面積要有 75%以上。
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性試驗	SOLDER BATH METHOD: SOLDER TEMPERATURE 245±5°C IMMERSION TIME 3±0.5 SEC IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm DIMENSIONS OF COMPONENT HOLES IN THE PRINTED WIRING BOARD SHALL BE IN ACCORDANCE WITH THOSE SPECIFIED IN THIS SPECIFICATION. 焊爐焊接的時間溫度控制在 245±5°C，過爐時間 3±0.5 秒，於（基板）厚度為 1.6mm	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本體無變形、能滿足於機械、電器性能。
4.3	LIFE TEST 壽命試驗	WITHOUT LOAD: CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 5,000 CYCLES AT A SPEED OF 15 TO 20 CYCLES/MIN. 無負荷： 將結合了的標準 plug（儘量要近於中心的）在 1 分鐘內以 15~20 的速度，進行 5,000 次插入、撥出。	(1) CONTACT RESISTANCE SHALL BE 100mΩ MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接觸電阻不能超於 100mΩ。 (2) 其他、滿足於機械、電器性能。
4.4	HEAT TEST 耐熱試驗	THE JACK SHALL BE STORED AT A TEMPERATURE OF 60±5°C FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在溫度 60±5°C 中測試 96 小時後，再放置正常室溫中 1 小時來測定。	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 外觀無異常、滿足於機械、電器性能。

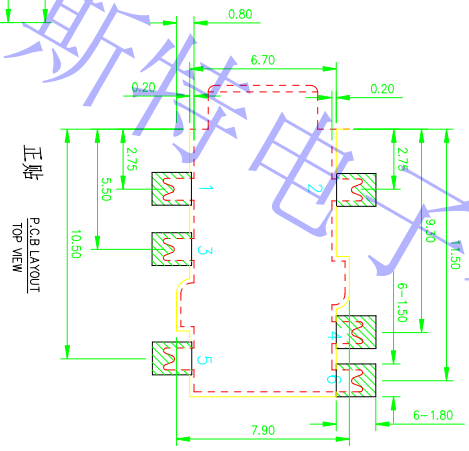
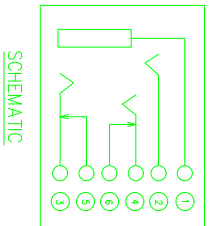
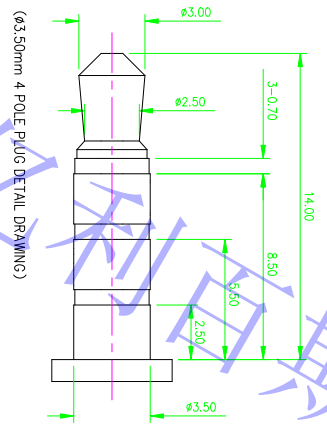
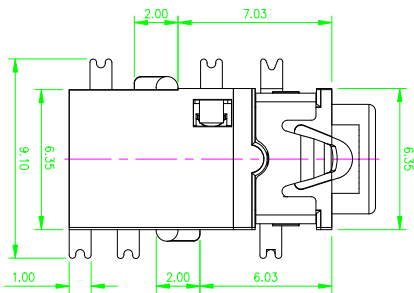
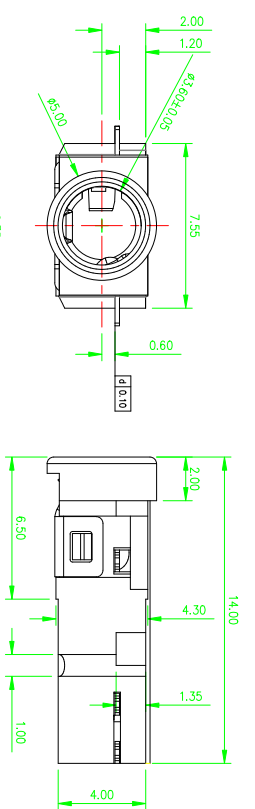
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SPECIFICATION 規格書		發佈日期	2008年01月18日
		第A版	第3頁共3頁
ITEM 項目	TEST CONDITIONS 測試條件	PERFORMANCE 規格	
4. DURABILITY (耐久性):			
4.5	COLD TEST 耐冷試驗	THE JACK SHALL BE STORED AT A TEMPERATURE OF $-10\pm 5^{\circ}\text{C}$ FOR 96 HOURS. AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在溫度 $-10\pm 5^{\circ}\text{C}$ 中 96 小時後，再放置常溫常濕中 1 小時來測定。	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECEANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE STISFIED. 外觀無異常，滿足於機械，電器性能。
4.6	HIJMDITY TEST 潮濕試驗	THE JACK SHALL BE STORED AT A TEMPERATURE OF $40\pm 2^{\circ}\text{C}$ 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. 放置 $40\pm 2^{\circ}\text{C}$ ，的相對溫度為 90~96% 環境中 96 小時後，再將樣板放在正常環境 1 小時後進行測試。	
4.7	STANDARD ATMOSPHEIC CONDIITIONS 測試標準狀態	UNLESS OTHERWISE SPECIFIED THE STANDARD RANCE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AE FOLLOWS: (1) AMBIENT TEMPERATURE : $5^{\circ}\text{C}$ TO $35^{\circ}\text{C}$ (2) RELATIVE HUMIDITY : 45% TO 85% (3) AIR PRESSURE : 86Kpa TO 106Kpa 在沒有指定的情況下測試溫度、濕度、氣壓如下： (1) 溫度為 $5^{\circ}\text{C}\sim 35^{\circ}\text{C}$ (2) 濕度為 45%~ 85% (3) 氣壓為 85Kpa~ 105Kpa	
4.8	PRACTICAL TEMPERATURE RANGE 使用溫度範圍	$-10^{\circ}\text{C}\sim +60^{\circ}\text{C}$ 在 $-10^{\circ}\text{C}\sim +60^{\circ}\text{C}$ 溫度內使用	

REV.	EON NO.	DESCRIPTION	DESIGN	DATE
A		INITIAL	Lucky	2018.03.24

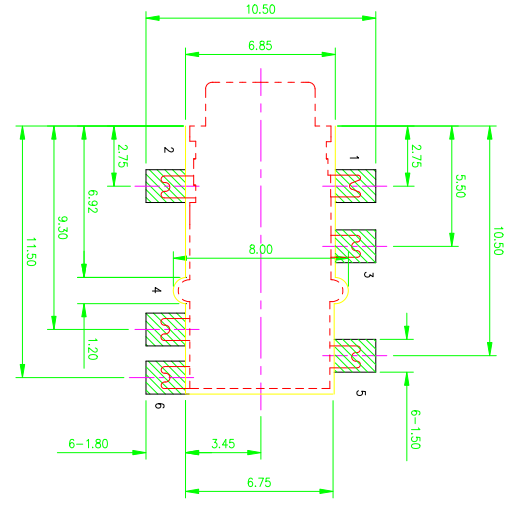
- NOTES:
1. REQUEST OF THE SPECIFICATION:
  - 1.1 CONTACT CURRENT RATING: 1A;
  - 1.2 CONTACT RESISTANCE: 100 mΩ MAX;
  - 1.3 INSULATION RESISTANCE: 100MΩ MIN;
  - 1.4 DIELECTRIC WITHSTANDING: 500V AC MIN;
  - 1.5 DURABILITY: 5,000 CYCLES MIN;
  - 1.6 CONNECTOR MATING FORCES: 29.8N (3,000GF) MAX;
  - 1.7 CONNECTOR UNMATING FORCES: 2.98N (0.300KGf) MIN;



3D VIEW



PCB LAYOUT TOP VIEW



PCB LAYOUT TOP VIEW 反贴

ITEM	NAME	QTY	DESCRIPTION	NOTE
1	HOUSING	1	PPA, COLOR:BLACK	1-0-20
2	TERMINAL_#2	1	SUS304, THE BOTTOM OF THE NICKEL (600NM), THE WHOLE GOLD (400NM) FLASH PLATING	1-0-20
3	TERMINAL_#3	1	PHOSPHOR BRONZE, NICKEL (600NM) UNDER PLATING OVERLAPLAD FLASH ON SOLDER AREA	1-0-20
4	TERMINAL_#4	1	SUS304, THE BOTTOM OF THE NICKEL (600NM), THE WHOLE GOLD FLASH PLATING	1-0-20
5	TERMINAL_#5	1	SUS304, THE BOTTOM OF THE NICKEL (600NM), THE WHOLE GOLD FLASH PLATING	1-0-20
6	TERMINAL_#6	1	PHOSPHOR BRONZE, NICKEL (600NM) UNDER PLATING OVERLAPLAD FLASH ON SOLDER AREA	1-0-20
7	TERMINAL_#7	1	PHOSPHOR BRONZE, NICKEL (600NM) UNDER PLATING OVERLAPLAD FLASH ON SOLDER AREA	1-0-20

UNLESS OTHERWISE SPECIFIED TOLERANCES

DECIMALS:	ANGLES:	DWG NO.	PART NAME:
1-0-20		02M-D-08-0073	深圳市亿利百斯特电子有限公司
1-0-20		Lucky	ShenZhen Elybest Electronics Co., Ltd
1-0-20		2018.03.24	PHONE JACK
1-0-20		Lucky	DESIGN:
1-0-20		2018.03.24	CHECK:
1-0-20		Lucky	APPROVED
1-0-20		2018.03.24	REV. A
1-0-20		Lucky	UNIT: mm
1-0-20		Lucky	SHEET: 1/1