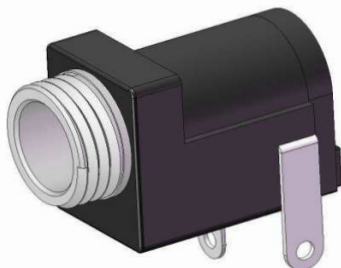


承認書

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：

DC电源插座

CUSTOMER PN: _____ PRODUCT PN: _____

貴公司規格

本公司規格：

DC-005DM F2.0

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

朱艳军

DATE:

CHECK

審查

彭佳伟

DATE:

DESIGN

設計

卢旋

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

ShenZhen ElyBest Electronics Co., Ltd

付文鹏 (Vincent Fu)

Tel: 0755-28213003

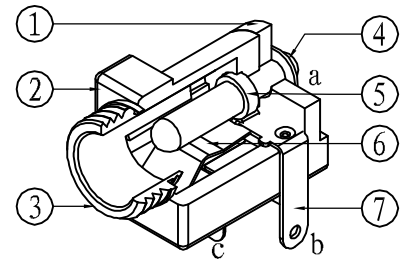
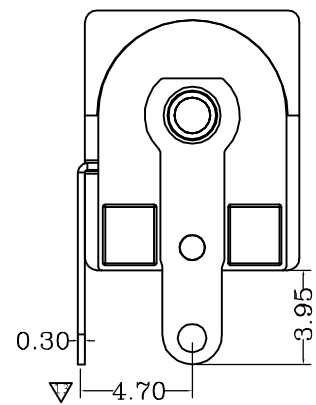
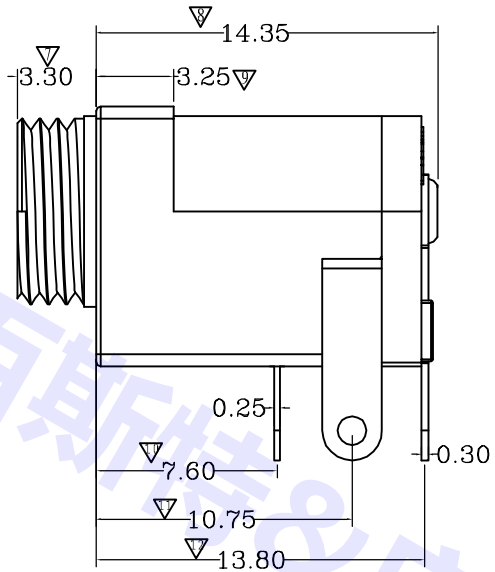
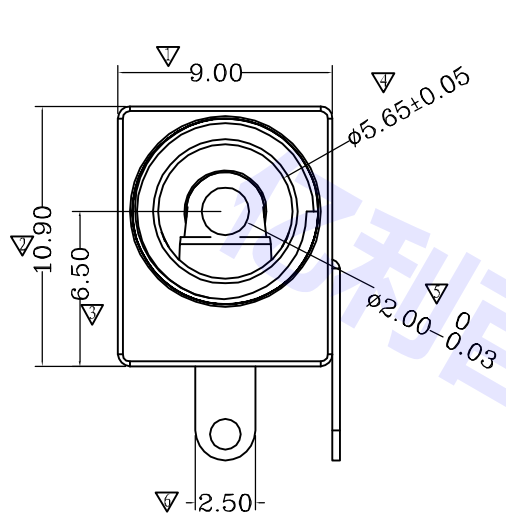
Fax: 0755-85215085

Mob: 18923844556

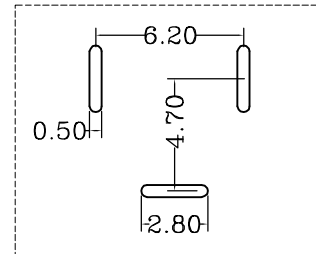
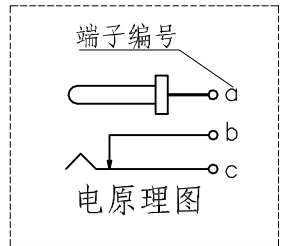
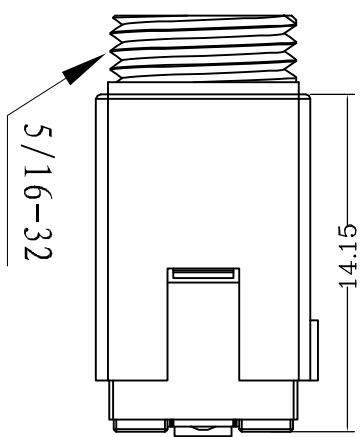
Email: vincent@elybest.com

Add: 深圳市龙岗区平湖街道世之鼎产业园B栋2楼

遵守欧盟 WEEE 和 ROHS



- 技术参数:
- 1. 额定电流: 30V 4A MAX
 - 2. 耐电压: 500 V(AC) for 1 min.
 - 3. 接触阻抗: 100毫欧 最大.
 - 4. 绝缘阻抗: 100兆欧 最小.
 - 5. 插拔力: 0.4 Kg-3.0 Kg.
 - 6. 产品寿命: 5000次, 最小.
 - 7. 工作温度范围: -25° C 至85° C



印刷电路板焊接处尺寸图
印刷电路板厚度T=1.60mm

DC-005DM-W F2.0	白色	白色	
DC-005DM F2.0	黑色	黑色	
料 号	基座颜色	后盖颜色	

⑧					
⑦	端子b		1	黄铜	镀银
⑥	端子c		1	磷铜	镀银
⑤	中心针		1	黄铜	镀镍(Ni)
④	端子a		1	黄铜	镀银
③	螺柱		1	黄铜	镀镍(Ni)
②	基座		1	尼龙	黑色
①	后盖		1	尼龙	黑色
序号	产品型号	端子编号	数量	材料	备注

GDEL 深圳市亿利百斯特电子有限公司

							角度	±2°		设计	刘志勇	日期	2008.08.02	名称:	56201插座(中心针直径为2.0)(黑座黑盖)
							30 - 10	±0.30	成品	审核		日期		料号:	DC-005DM F2.0
							20 - 10	±0.20	图面	核准		日期			
							L<=10	±0.15		图面编号:	D35620B01A				
工程变更通知单号	版次	日期	说明	修改	审核	核准	未详细说明之公差	比例	1:1	单位	mm	页码		A4	

1. GENERAL.

This specification covers the requirements for earphone jacks used for RADIOS, RADIO CASSETTES, CASSETTE TAPE RECORDERS, TV'S, VIDEO CASSETTE RECORDERS, VIDEO DISK UNITS, ETC.

2. RATED.

2.1 Practical & Storage temperature range. -30°C to $+80^{\circ}\text{C}$

Humidity range. 85%RH. MAX.

2.2 Rated voltage. 30V DC.

2.3 Rated current. 4A

2.4 Test condition.

Unless otherwise specified herein, all measurements and tests shall be made at temperature of 5°C to 35°C and relative humidity of 45% to 85%.

3. REQUIREMENTS.

3.1 Electrical

Item	Property	Test condition	Performance
3.1.1	Insulation resistance	Using a 500 volts DC insulation resistance meter between mutually insulated terminals or metallic parts TABLE 1:	100M Ω or more
		Initial	50M Ω or more
		After heat test	
		After cold test	
		After resistance to soldering head test	
		After lift test	
		After temperature cycling test	
		After humidity test	
3.1.2	Contact resistance	At a current of below 1KHZ by the voltage drop method or four terminals method, the jack between terminals to be made a closed circuit. TABLE 2:	less than 50m Ω
		Initial	less than 100m Ω
		After heat test	
		After cold test	
		After resistance to soldering head test	
		After lift test	
		After temperature cycling test	
		After humidity test	

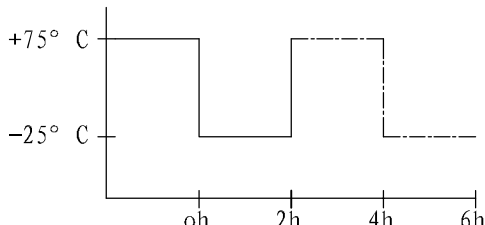
Item	Property	Test condition	Performance
3.1.3	Withstand voltage	Withstande 500V (AC 500V/60HZ RMS) between mutually insulated pin contacts for one minute.	Without breakdown.

3.2 Mechanical

Item	Property	Test condition	Performance
3.2.1	Insulation and extraction force.	Measured with a load cell or equivalent and the matching plug shall be inserted into it and extracted from its slowly. TABLE 3:	3.92N to 39.2N
		Initial	2.92N to 29.2N
		After heat test	
		After cold test	
		After resistance to soldering head test	
		After lift test	
		After temperture cycling test	
		After humidity test	
3.2.2	Loosen strength of contact.	The terminal of the jack shall be capable of withstand a fore of 5N, applied in any direction for 10 seconds.	Without lossing and breakdown.

3.3 ENVIRONMETAL

Item	Property	Test condition	Performance
3.3.1	Life test	The life test shall consist of 5000 cycles of insertion and extraction coat of grease in order to prevent from heating and wearing, at a rate of 20 to 30 cycles per minutes under no load.	The jack shall be comply with paragphs 3.1 and 3.2 and be in operating condition.

Item	Property	Test condition	Performance
3.3.2	Humidity test	The socket shall be subjected to temperature of $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ and relative humidity of 90% to 95% for a period of 48 hours. Upon completion of the exposure, dew drops shall be blown out and removed from it, after which it shall be conditioned at room ambient conditions for 30 minutes.	It shall be comply with paragraphs 3.1 and 3.2.
3.3.3	Heat test	The jack shall be subjected to temperature of $85^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for a period of 48 hours, then shall be allowed to remain in room ambient conditions for 30 minutes.	It shall be comply with paragraphs 3.1 and 3.2.
3.3.4	Cold test	The jack shall be subjected to temperature of $-40^{\circ}\text{C} \pm 2^{\circ}\text{C}$ for a period of 48 hours, then shall be allowed to remain in room ambient conditions for 30 minutes.	It shall be comply with paragraphs 3.1 and 3.2.
3.3.5	Resistance to soldering heat test	The jack terminal shall be dipped in solder under the condition as specified below: Temperature of solder: $265^{\circ}\text{C} \pm 5^{\circ}\text{C}$. Dip time: 5 ± 1 seconds.	It shall be comply with paragraphs 3.1 and 3.2. and not show remarkable failure.
3.3.6	Soldering test.	Terminal of solder: $260 \pm 5^{\circ}\text{C}$. Time of dip: 3 ± 0.5 seconds. Length of dip: 2.0mm (from top of terminal).	Areas of soldering shall be capable of 95% or more of dip terminal area.
3.3.7	Temperature cycling test	<p>The jack shall be subjected to conditions as shown in below (five cycles), and then shall be returned and allowed to remain in ambient condition for 30 minutes.</p> 	It shall be comply with paragraphs 3.1 and 3.2.

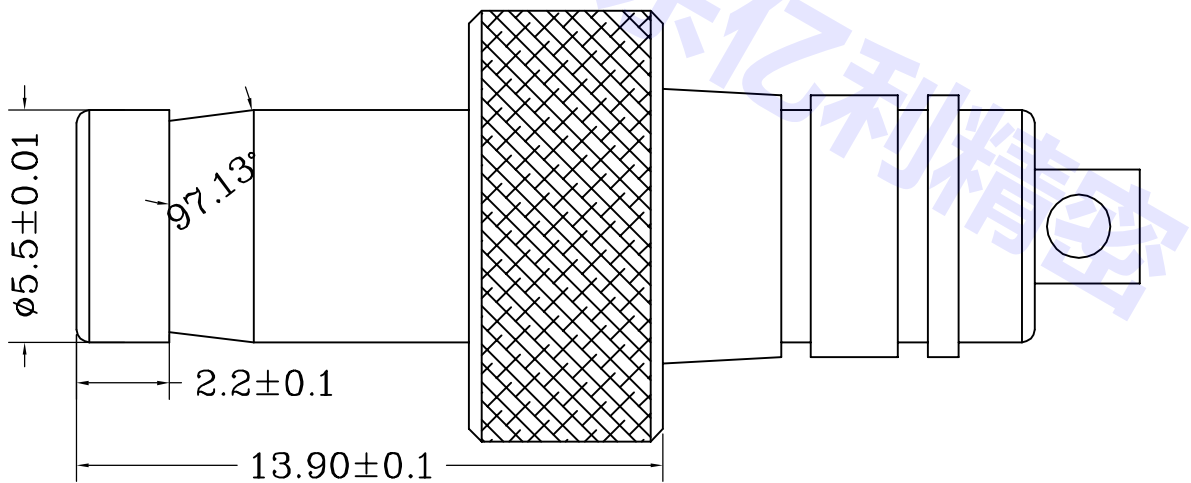
Item	Property	Test condition	Performance
3.3.8	Salt mist test	Salt mist test Testing bath: The temperature shall be $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$ in the ambient of the test specimen during the test. Spray apparatus: The apparatus shall be capable of producing fine dense mist uniformly. Salt water: The concentration of the salt water shall be adjusted at $5 \pm 1\%$ weight ratio at $35^{\circ}\text{C} \pm 2^{\circ}\text{C}$. Testing time: 24 ± 2 hours.	It shall be comply with paragraphs 3.1 and 3.2.

4. AMENDMENT.

When the amendment of this specification comes into necessity, it shall be made by the mutual consultation and agreement between manufacture and customer.
当需要修改本规范时，应由制造商和客户共同协商并达成协议。

Standard dimension of gauge plug.

Fig.1
Gauge plug



- Note:
- 1. The gauge shall be made of steel and quenched.
 - 2. The finish of the gauge plug shall be peak-to-peak height 0.8 micron or less all over.