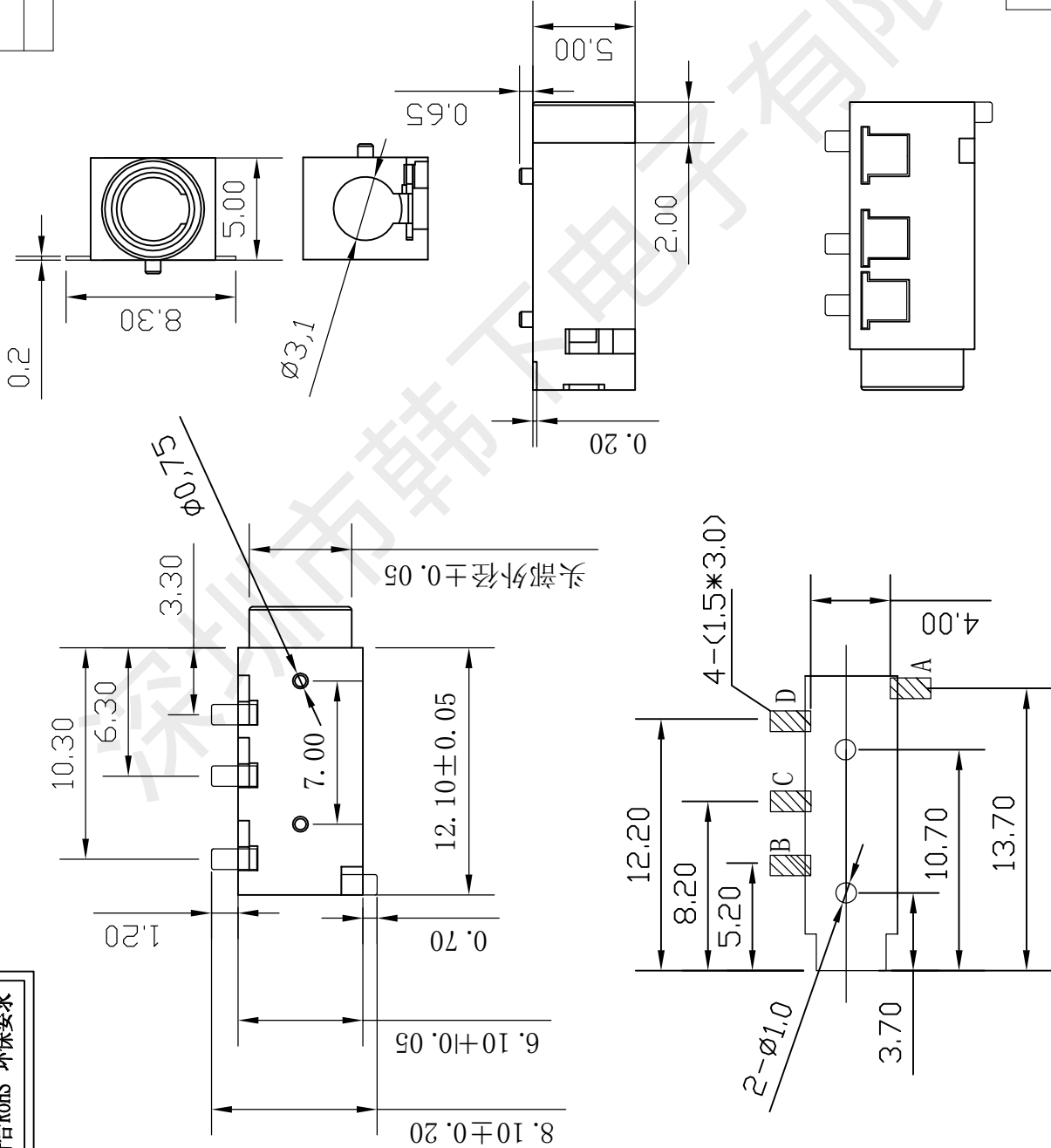


符合RoHS 环保要求

变更版次	提出人	工程变更单号	基本描述	时间	修订	审核

产品性能:

- 1: 额定电负荷: 30V-0.5A
- 2: 接触电阻: $\leq 0.03\Omega$
- 3: 绝缘电阻: $\geq 100M\Omega$
- 4: 耐压: AC500V (50HZ)/min
- 5: 插拔力: 3-20N
- 6: 寿命: 5000次
- 7: 耐焊性测试: Nylon材料耐高温 $260^{\circ} \pm 5^{\circ}$



Model No	HJ-320D
Schematic	

规格	尺寸	头部外径
普通胶芯产品		5.0
5.5头胶芯产品		5.5
6.0头胶芯产品		6.0

P. C. B LAYOUT

1	接触片	C5191
2	耳机座	阻糖PAA

韩下 HANXIA 深圳市韩下电子有限公司

品名规格	HX PJ-320D		设计	李春风
模具编号	049	审核	钟德华	
图纸类型	成品图	比例	1:1	
视角	版本 A/0	单位	MM	



深圳市韩下电子有限公司

Shenzhen Hanxia Electronic Co., Ltd
Tel: 0755-33819206 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:

HX PJ-320D

贵公司承认印 Approval signatures

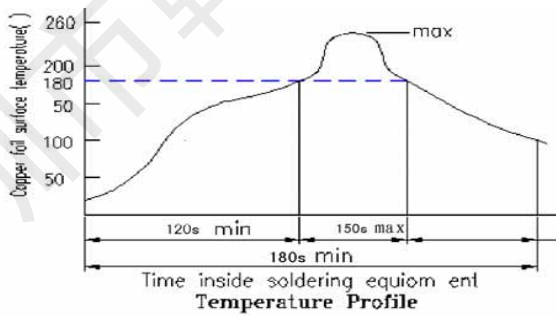
料 号/Part No.	签 章/Signatures

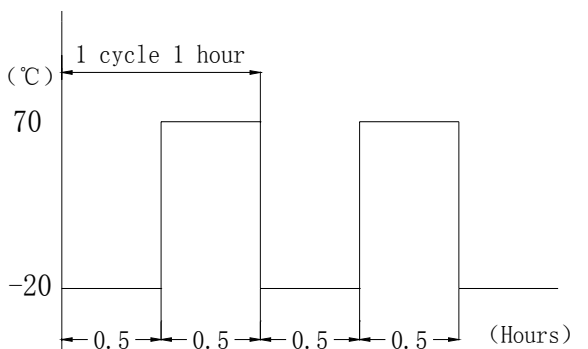
日期 Date:

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



RIPTION 名称: PHONE JACK MODEL NO.: HX PJ-320D		DATE 日期: 2020年5月26日			
RATING (额定值): DC 30V 0.5A					
PRACTICAL TEMPERATURE RANGE 使用温度范围		-30~70° C 在-30° C~+70° C 温度内使用			
STANDARD ATMOSPHEIC CONDITIONS 测试标准状况		<p>UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS:</p> <p>(1) BETWEEN BODY AND CONDUCTOR: 5° C TO 35° C (2) BETWEEN CONDUCTORS NOT TO BE CONTACT: 45% TO 85% (3) PRESSURE: 86Kpa TO 106Kpa</p> <p>在没有指定的情况下测试温度、湿度、气压如下:</p> <p>(1) 温度为 5° C~35° C (2) 湿度为 45%~85% (3) 气压为 86 Kpa~106Kpa</p>			
MECHANICAL (机械性能)					
ITEM 项目		TEST CONDITIONS 测试条件		PERFORMANCE 规格	
1	CONNECTION FORCE 插入力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. 依据标准的 PLUG GAUGE 做第 3 次拔插后测定		3-20N	
	DISCONNECTI ON FORCE 拔出力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AND DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES. 依据标准的 PLUG GAUGE 做第 3 次拔插后测定		3-20N	
2	TERMINAL STRENGTH 端子强度	<p>A STATIC LOAD OF 0.1N/m(1kgf/cm)SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN IN ANY DIRECTION</p> <p>向排脚先端的任意一个方向加 1 分钟 0.1N/m(1kgf/cm)的力度.</p>		<p>THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL ,AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED</p> <p>在排脚中没有裂开、松动等异常, 满足于机械、电气性能</p>	
ELECTRICAL (电气性能)					
ITEM 项目		TEST CONDITIONS 测试条件		PERFORMANCE 规格	
3.1	CONTACT RESISTANCE 接触电阻	<p>MEASURED AT SMALL CURRENT (100m A OR LESS) 1000Hz</p> <p>在微小电流 (100 m A) 以下测试</p>		≤30m Ω	
3.2	INSULATION RESISTANCE 绝缘电阻	<p>APPLY A VOLTAGE OF 500V DC FOR 1 MIN TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE:</p> <p>(1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN</p> <p>输入 500V DC 电压 1 分钟, 按以下接触方法测试:</p> <p>(1) 插座体与排脚之间 (2) 不接触的排脚之间 (3) 插头插入时不接触排脚之间</p>		≥100M Ω	

3.3	DIELECTRIC STRENGTH 耐电压	<p>AC 500V ims(50~60Hz)FOR 1 MIN TRIP CURRENT:0.5mA</p> <p>(1) BETWEEN BODY AND CONDUCTOR</p> <p>(2) BETWEEN CONDUCTORS NOT TO BE CONTACT</p> <p>(3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN</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:</p> <p>(1) 插座体与排脚之间</p> <p>(2) 不接触的排脚之间</p> <p>(3) 插头插入时不接触排脚之间</p>	<p>WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC</p> <p>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	SOLDERABILITY TEST 可焊性试验	<p>THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF 240±5°C FOR 3±0.5 SECONDS</p> <p>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 焊接时间应少于 3 秒</p> <p>(2) THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积应有 75% 以上</p>
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	<p>REFLOW SOLDERING CONDITIONS:</p> <p>PREHEAT:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH 180 .120S AFTER THE P.C.B ENTERED INTO THE SOLDERING EQUIPMENT.</p> <p>TALLEST TEMPERATURE:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH THE PEAK TEMPERATURE OF 260±5 WITH IN 20 SECONDS.</p> <p>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</p> <p>本体无变形, 满足于机械、电气性能</p>
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	<p>SOLDERING IRON METHOD:</p> <p>BIT TEMPERATURE 330±5°C APPLICATION TIME OF SOLDERING IRON3±0.5 SEC HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL</p> <p>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</p> <p>本体无变形, 满足于机械、电气性能</p>

4.3	HUMIDITY TEST 潮湿试验	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	THERE SHALL BE NO DAMAGE ON APPEARANCE. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械、电气性能。
4.4	HEAT TEST 耐热试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF $70\pm 2^{\circ}\text{C}$ FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASURBM 放置在温度 $70\pm 2^{\circ}\text{C}$ 中测试 96 小时后, 再放置正常室温中 1 小时来测定	
4.5	COLD TEST 耐寒试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF $-25\pm 3^{\circ}\text{C}$ FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH 放置在温度 $-25\pm 3^{\circ}\text{C}$ 中 96 小时后, 再放置常温常湿中 1 小时来测定	THERE SHALL BE NO DAMAGE ON APPEARANCE MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 外观无异常, 满足于机械、电气性能
4.6	LIFE TEST 寿命试验	AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 5000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN 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	1. CONTACT RESISTANCE SHALL BE $\leq 0.1\ \Omega$ 2. DISCONNECTION FORCE SHALL BE 3 TO 20N 3. MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED (1) 接触电阻 $\leq 0.1\ \Omega$ (2) 拔出力是 3~20N (3) 其它: 满足于机械、电气性能
4.7	COLD&HEAT SHOCK TEST 冷热冲击测试	THE JACK SHALL BE SUBJECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE, AND THEN SHALL RETURNED AND ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES 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 ($^{\circ}\text{C}$)  <p style="text-align: center;">(Hours)</p>	THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE: 3 TO 20N CONTACT RESISTANCE: MAX. $30\text{M}\ \Omega$ INSULATION RESISTANCE: MIN. $100\text{M}\ \Omega$ DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN (BETWEEN TERMINALS) 产品不能变形与破裂 插拔力: 3N 至 20N 接触电阻: 最大 $30\text{m}\ \Omega$ 绝缘电阻: 最小 $100\text{M}\ \Omega$ 绝缘耐压: 最小 500VAC (端子之间)

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