



批准/Approved

#### 深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGYCO.,LTD Tel: 0755-27597601 Fax: 0755-27597491

### 承 认 书

### SPECIFICATION FOR APPROVAL

客	户 Custome	er:		
产品名称 Project:			TYPE-C	
规格型号 Part No:			TYPE-C 16P QTWT	
	贵公司承	oproal signatures		
	料 号/Part	No.	签 章/Signatures	
Ć\			日期 Date:	
	lated to			
	拟制/Drawn	李春风	為省萬科技有限	
	审核/Check	钟华华	(紀) (知此田音)	

罗孝金



## SD首幹。 深圳市首韩科技有限公司

RAT	ING(额定值):	DC 5 V 3A				
PRACTICAL TEMPERATURE RANGE 使用温度范围		-25~85° C 在-25° C~+85° C 温度内使用				
STANDARD ATMOSPHEIC CONDITIONS 测试标准状度		UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) BETWEEN BODY AND CONDUCTOR: 5° C TO 35℃ (2) BETWEEN CONDUCTORS NOT TO BE CONTACT: 45% TO 85% (3) PRESSURE: 86Kpa TO 106Kpa 在没有指定的情况下测试温度、湿度、气压如下: (1) 温度为 5℃~35℃ (2) 湿度为 45%~85% (3) 气压为 86 Kpa~106Kpa				
MEC	CHANICAL(机械	生能)				
	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 AN DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES。依据标准的 PLUG GAUGE 做第 3 次拔插后测定				
	DISCONNECTI ON FORCE 拔出力度	MEASUREMENT SHALL BE MADE AFTER CONNECTING AN DISCONNECTING USING STANDARD PLUG GAUGE 3 TIMES。依据标准的 PLUG GAUGE 做第 3 次拔插后测定				
2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 0.1N/m(1kgf/cm)SHALL BE APPLIED TO THE TIP OF THE TERMINAL FOR 1 MIN IN ANY DIRECTION 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 TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY ELECTRICAL, AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED 在排脚中没有裂开、松动等异常,满足于机械、电气性能			
ELE	<u>l</u> CTRICAL(电气性	l 能)				
ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格			
3.1	CONTACT RESISTANCE 接触电阻	MEASURED AT SMALL CURRENT (100m A OR LESS) 1000Hz 在微小电流(100 m A)以下测试	$40 \mathrm{m}\Omega$ MAX			
3.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 100V 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 DC100V 1 MIN 输入 100V DC 电压 1 分钟,按以下接触方法测试: (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	100MΩ MIN			



# SD首縣。 深圳市首韩科技有限公司

3.3	DIELECTRIC STRENGTH 耐电压	AC 100V ims(50~60Hz)FOR 1 MIN TRIP CURRENT:0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACL (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 100V 1 MIN 输入 AC 100V(50Hz)/min 电压 1 分钟感度电流为 0.5mA, 按以下接触方法测试: (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	WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC 没有绝缘破坏等异常
URAB	ILITY (耐久性)		
	ITEM 项目	TEST CONDITIONS 测试条件	PERFORMANCE 规格
4. 1	SOLDERA- BILITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF 250±5℃ FOR 5±0.5 SECONDS 端子顶部被浸入锡池中 1mm 深,温度为 250±5℃,时间为 5 ±0.5 秒	(1) SOLDER WETTING TIME SHALL BE 3 SEC OR LESS 焊接时间应少于 3 秒 (2) THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积应有 75%以上
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	REFLOW SOLDERING CONDITIONS: PREHEAT:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH 180 .120S AFTER THE P.C.B ENTERED INTO THE SOLDERING EQUIPMENT. TALLEST TEMPERATURE:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH THE PEAK TEMPERATURE OF 260±5 WITH IN 20 SECONDS.  过回流焊条件: 预热:电镀层表面的温度应达到 180°C,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°C 且停留不超过 20  **Profile**  **Time inside soldering equiom ent Temperature Profile**	WITHOUT DEFOR MATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 本体无变形,满足于机械、电气性能



## SD首邦 深圳市首韩科技有限公司

4. 2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	SOLDERING IRON METHOD: BIT TEMPERATURE 330±5℃ APPLICATION TIME OF SOLDERING IRON3±0.5 SEC HOWEVER EXCESSIVE PRESSURE SHALL NOT BE APPLIED TO THE TERMINAL 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。	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED 本体无变形,满足于机械、电气性能
4. 3	HUMIDITY TEST 潮湿试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF 40±2℃ 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±2℃ 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 OF70±2℃ FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASURBM 放置在温度 70±2℃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±3℃ 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±3℃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	WITHOUT LOAD CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 10000 CYCLES AT A SPEED OF 10 TO 25 CYCLES/MIN 无负荷 将结合了的标准Plug(尽量要近于中心的)在1分钟内以10-25的速度,进行 10000次插入,拔出LOAD: AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 10000 CYCLES AT A SPEED 10 TO 20 CYCLES / MIN 负荷 以定格状态(无诱导负荷)在1 分钟内以10-20次的速度进行 10000次插入、拔出	(1) CONTACT RESISTANCE SHALL BE ≤ 0.1 Ω  (2) DISCONNECTION FORCE SHALL BE 0.8 TO 2.0N  (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED  (1) 接触电阻≤0.1 Ω  (2) 拔出力是 0.8~2.0N  (3) 其它:满足于机械,、电气性能



### 深圳市首韩科技有限公司

