SHENZHEN XIEJIA ELECTRONICS CO., LTD. 深 圳 市 协 佳 电 子 有 限 公 司	文件编号	XJ-SP-2006
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SPECIFICATION 规格书	第 B 版	第 1 页 共 3 页

MODEL NO.
产品名称. DS-236 DS-253 DS-269 DS-270 DC-278

DRAWN 制 订		APPD. 审 批	

1. RATING (额 定 值) : DC 30V 0.3A

2. ELECTRICAL CHARACTERISTICS (电气性能规格):

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
2.1	CONTACT RESISTANCE 接触电阻	MEASURED AT 1KHz SMALL CURRENT(100 mA OR LESS) 在 1KHz 微小电流(100mA) 以下测试.	100mΩ MAX. 100 毫欧以下。
2.2	INSULATION RESISTANCE 绝缘电阻	APPLY A VOLTAGE OF 500V DC FOR 1 MIN. TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE: (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTAC (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED. 输入 500V 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. 100 兆欧以上。
2.3	DIELECTRIC STRENGTH 耐电压	AC 500V rms(50-60Hz) FOR 1 MIN TRIP CURRENT:0.5 mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED. 输入 AC 500V(50-60Hz)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.

3 .MECHANICAL CHARACTERISTICS (机械性能规格)

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
3.1	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 3 次拔插后测定。	(0.3~3Kgf)
	DISCONNECTION 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 3 次拔插后测定。	(0.3~3Kgf)
3.2	TERMINAL STRENGTH 端子强度	A STATIC LOAD OF 300gf SHALL BE APPLIED TO THE TERMINAL FOR 15 SEC.IN ANY DIRECTION 在排脚前端任意一个方向加 300gf 力度测试,时间为 15 秒.	THERE SHALL BE NO DAMAGE TO THE TERMINAL SUCH AS CRACKS, LOOSENESS OR PLAY. ELECTRICAL AND MECHANICAL CHARACTERISTICS SHALL BE SATISFIED. 在排脚中没有裂开.松动等异常.满足于机械.电器性能。

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4. DURABILITY (耐久性)：

ITEM 项目		TEST CONDITIONS 测试条件	PERFORMANCE 规格
4.1	SOLDERABI-LITY TEST 可焊性试验	THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5℃ FOR 3±0.5 SECONDS. 端子顶部被浸入锡焊池中 2mm 深，温度为 230±5℃，时间为 3±0.5 秒。	THE AREA OF SOLDERING. SHOULD BE OVER 75%. 焊接面积要有 75%以上。
4.2	RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验	（1）. TEMPERATURE AND IMMERSING TIME 温度及浸锡时间 （2）.IMMERSION DEPTH: IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6mm 浸锡深度： 浸锡深度至基板（PCB）表面，基板厚度为 1.6mm.	WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. 本体无变形,能满足于机械、电器性能。
4.3	LIFE TEST 寿命试验	WITHOUT LOAD: CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 5,000 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 5,000 次插入、拔出。	(1) CONTACT RESISTANCE SHALL BE 200mΩ MAX. (2) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接触电阻不能超于 200mΩ。 (2) 其它、满足于机械、电器性能。
4.4	HEAT TEST 耐热试验	THE JACK SHALL BE STORED AT A TEMPERATURE OF 85±2℃ FOR 96 HOURS.AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE. 放置在温度 85±2℃中测试 96 小时后,再放置正常室温中 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,电器性能。

（1）. TEMPERATURE AND IMMERSING TIME
温度及浸锡时间

	TEMPERATURE 温度（℃）	TIME 时间（S）
DIP SOLDERING 浸 锡	260±5	3±1
MANUALSOLDERING 手 焊	360±10	3±1

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4.5	COLD TEST 耐冷试验	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 MEASUREMENT SHALL BE MADE. 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,电器性能。
4.6	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℃.的相对湿度为 90~96%Hr 环境中 96 小时后,再将样版放在正常环境 1 小时后进行测试。	
4.7	STANDARD ATMOSPHEIC CONDITIONS 测试标准状态	UNLESS OTHERWISE SPECIFIED. THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) AMBIENT TEMPERATURE : 5℃ TO 35℃ (2) RELATIVE HUMIDITY : 45% TO 85% (3) AIR 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 86Kpa~106Kpa.	
4.8	PRACTICAL TEMPERATURE RANG 使用温度范围	-16℃~+60℃. 在-16℃~+60℃温度内使用.	

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