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规格承认书

SPECIFICATION FOR APPROVAL

产品名称:	6.0X6.0 Led Built-in Type
电马利口	
贵司型号:	-
敝司刑号.	I \$601_CR

接受印

兹证明此份材料已经收到。

ACKNOWLEDGEMENT WE ACKNOWLEGGE RECEIVING THIS DOCUMENT. MONTH / DAY / YEAR

> DATE: /

G. MGR	LEADER	CHECKED	SIGNED

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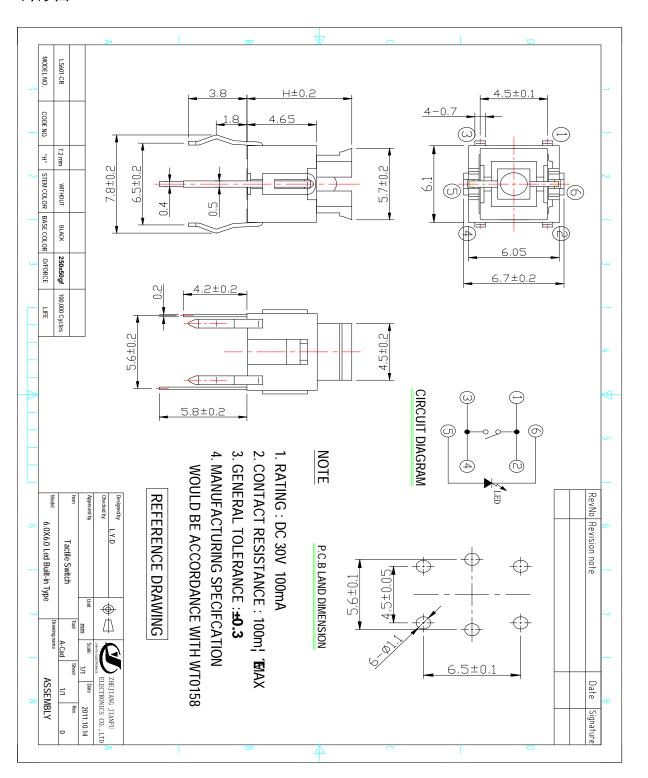
JIANFU

	规 格 承 认 书				
品名	6.0X6.0 Led Bu	uilt-in Type	型号	LS601-CR	1/11
1. Gene	eral Specification	基本说明			
			_	rements for single key switc Γ).此规范含盖单推柄和无推	
1.2 O	perating Temperature -20 to+70°C	-		press.) 正常湿度,标准压	力
1.3 St	orage Temperature Ra -40 to+85°	ange 保存温度 C(normal humic		ıl press.)	
Te sp In	pecified: 测试和计量技 Normal temperature Normal humidity (re Normal pressure (pre	s shall be made 安下列标准条件除 (temperature 5 t lative humidity essure 860 to 10	非特殊说明 to 35℃) 45 to 85%) 60 mbars)	标准温度	
	Temperature Relative humidity Pressure	$(20\pm2^{\circ}\text{C})$ $(65\pm5\%)$ (860 to 100)	60 mbars)	温度 相对湿度 压力	
2. Type	e Of Actuation 动	作类型			
	<u>Ta</u>	actile feedback	_轻触返回		
3. Cont	tact Arrangement	<u>1</u> poles 1	_throws	接触形式 1接点1回路	
		(Details of cont	_	ement are given in the assen 点形式在装配图中	mbly drawings.)
4. Max	imum Ratings D	OC30V	100	mA 最大额定值	
	I	OC <u>1</u> V	10	μΑ 最小额定值	

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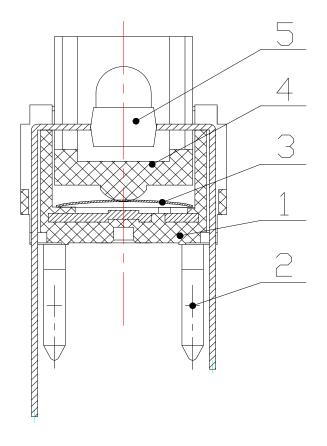
5. 外形、结构:

5.1 外形图:



	规 格 承 认 书				
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5.2 构造:



序 号	零部件名称	数量	材料名称	表面处理	备注
1	BASE	1	PA66		
2	TERMINAL	1	BRASS	Ag plating	
3	CONTACT	1	SUS 301	Ag plating	
4	STEM	1	PA66		
5	LED LIGHT				RED
6					
7					
8					

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6. General Specification 性能

6.1 电气的性能

I	tem 项目	Test Condition 测试条件	Requirements 要求
6.1.1	Contact Resistance 接触电阻	Applying static load twice the actuating force to the center of the stem, measurements shall be made with a 1 kHz small-current contact resistance meter. 用两倍的动作力作静负载施加于按钮的中心,并用 1 千赫小电流接触电阻仪测量	100mΩ以下
6.1.2	Insulation Resistance 绝缘电阻	Measurements shall be made following application of DC <u>100</u> V potential between terminals and between individual terminals and frame for one minute.在端子与端子之间,端子与外壳之间施加 DC100V,一分钟	100MΩ以上
6.1.3	Dielectric Withstanding Voltage 电气耐压	AC <u>250</u> V (50Hz or60Hz) shall be applied between terminals and between individual terminals and frame for one minute. 在端子与端子之间,端子与外壳之间施加 AC250V(50HZ-60HZ)	There shall be no breakdown. 无击穿、闪烁现象
6.1.4	Bounce 抖动	Lightly striking the center of the stem at a rate encountered in normal use (3 to 4 operations per sec), Bounce shall be tested when "ON" and "OFF". 在正常使用中(以每秒 3-4 次周期)轻轻地在手柄中心加力,在通与断瞬间测试抖动 Switch Oscillograph 示波器	10mS 以下

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6.2 机械的性能

I	tem 项目	Test Condition 测试条件	Requirements 要求
6.2.1	Actuating Force 动作力	Place the switch such that the direction of switch operation is vertical and then gradually increase the load applied to the center of the stem, the maximum load required for the stem to come to a stop shall be measured.开关的动作方向为垂直放置开关向推柄中心逐渐地增加负荷直到推柄停止时所测量的最大负荷	_ <u>250</u> _±50_ gf
6.2.2	Travel 行程	Place the switch such that the direction of switch operation is vertical and then apply a static load twice the actuating force to the center of the stem, the travel distance for the stem to come to a stop shall be measured. 开关的动作方向为垂直放置开关,并以双倍动作力的静负荷作用推柄中心,测量推柄从开始到停止的行程距离	<u>0.25</u> ± <u>0.10</u> mm
6.2.3	Return Force 返回力	The sample switch is installed such that the direction of switch operation is vertical and, upon depression of the stem in its center the whole travel distance, the force of the stem to return to its free position shall be measured. 开关的动作方向为垂直放置开关,在已有行程的推柄中心向上减小压力,推柄回到自由位置时所测量到的力	30_ gf min
6.2.4	Static Strength 静止强度	Placing the switch such that the direction of switch operation is vertical, a static load of 3 kgf shall be applied in the direction of stem operation for a period of 60 seconds. 开关的动作方向为垂直放置开关,在推柄动作方向施加 3KG的静负荷,60 秒时间	There shall be no sign of damage mechanically and electrically. 无机械的和电气的损伤迹象

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6.3	使用耐久性能				
It	em 项目	Test Co	ndition	测试条件	Requirements 要求
6.3.1	Operating Life 动作寿命	set forth below:按下列条件进行寿命试验 mΩ Max. 接触电(1)DC 5V 5mA resistive load. DC 5V 5mA 阻 Insulation resistand MΩ Min. 绝缘电(2)Rate of operation:2 to 3 operations per second 动作频率:2-3 次/每秒 + 30 %or- 30% of			
6.3.2	Moisture Resistance 耐潮湿	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for one hour before measurements are made: 样品按下列条件进行耐潮湿试验,试验后在正常温度和湿度条件下放置 1 小时后测定 (1) Temperature: 60±2℃ 温度 (2) Relative humidity: 90 to 95% 相对湿度 (3) Time: 500 hours 时间 Water drops shall be removed. 擦除水珠			Contact resistance: 200 m Ω Max. 接触电阻 Insulation resistance: 50 M Ω Min. 绝缘电阻 Item 6.1.3、6.1.4 Item 6. 2.1~6.2.3
6.3.3	Low Temperature Resistance 耐低温	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for one hour before measurements are made: 样品按下列条件进行耐低温试验,试验后在正常温度和湿度条件下放置 1 小时后测定 (1) Temperature: $-40\pm 2^{\circ}$ C 温度 (2) Time: 500 hours 时间 Water drops shall be removed. 擦除水珠			Contact resistance: 200 m Ω Max. 接触电阻 Insulation resistance: 50 M Ω Min. 绝缘电阻 Item 6.1.3、6.1.4 Item 6. 2.1~6.2.3
6.3.4	Heat Resistance 耐热	Following the test set forth below the sample shall be left in normal temperature and humidity conditions for one hour before measurements are made: 样品按下列条件进行耐热试验,试验后在正常 温度和湿度条件下放置 1 小时后测定			

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Item 项目		Test Condition 测试条件	Requirements 要求
6.3.5	Change Of Temperature 温度循环	Following ten cycles of high temperature test .The Sample shall be Placed in Normal temperature and humidity Conditions for one hour before measurements are made. During this test, water drops shall be removed. 样品按下列条件进行高低温循环试验,试验后在正常温度和温度条件下放置 1 小时后测定 A: +85±2℃ B: -40±2℃ C: 2 小时 D: 1 小时 E: 2 小时 F: 1 小时 E: 2 小时 F: 1 小时 E: 2 小时 F: 1 小时	Contact resistance: 200 m Ω Max. 接触电阻 Insulation resistance: 50 M Ω Min. 绝缘电阻 Item 6.1.3、6.1.4 Item 6. 2.1~6.2.3
6.3.6	Vibration Resistance 耐振动	Measurements shall be made following the test set forth below: 按下列条件进行抗振动试验 (1)Range of oscillation:10 to 55Hz 频率范围 (2)Amplitude,pk-to-pk:1.5 mm 振幅: 峰 - 峰 1.5mm (3)Cycle of sweep: 10-55-10Hz in one minute, approx.扫描周期: 10-55-10Hz 约一分钟内 (4)Mode of sweep: Logarithmically sweep or uniform sweep. 扫描方式:对数扫描式恒定扫描 (5)Direction of oscillation: 振动方向 Three mutually perpendicular directions, including the direction of stem travel. 3个相互 垂直方向,包括推柄行程方向 (6)2 hours each ,for a total of 6hours.每方向 2 小时.共 6 小时	Item 6.1 Item 6. 2.1、6.2.2

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Item 项目		Test Condition 测试条件	Requirements 要求
6.3.7	Impact Shock Resistance 抗冲击	Measurements shall be made following the test set forth below: 按下列条件进行冲击试验 (1)Acceleration:80g 加速度 (2)Cycles of test:3 cycles each in 6directions, for a total of 18cycles 试验次数:每个方向 3 次,6 个方向共 18 次	Item 6.1 Item 6. 2.1、6.2.2

7. 焊接条件:

7. 焊接条件: Item 项目		Recommended conditions 推荐条件		
7.1	Hand Soldering 手工焊接	Please practice according to bellow conditions: (1)Soldering temperature: ≤260°C (2)Continuous soldering time: ≤5 S (3)Capacity of soldering iron: ≤20 W 请按以下条件进行焊接: (1)焊锡温度: ≤260°C (2)连续焊接时间: ≤5 S (3)电铬铁的功率: ≤20 W		
7.2	Wave Soldering 波峰焊接			