



PRETEK

APPROVAL SHEET

CUSTOMER NAME :

ITME : 3PIN电池连接器

MODEL : BC-2.5-3SMT-R

MATERIEL NO :

DATE :18/10/2007

APPROVED BY:

深圳市普瑞泰电子有限公司

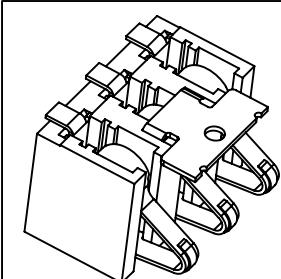
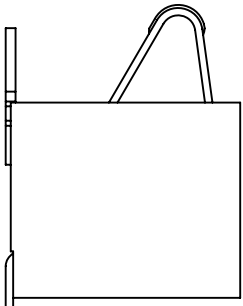
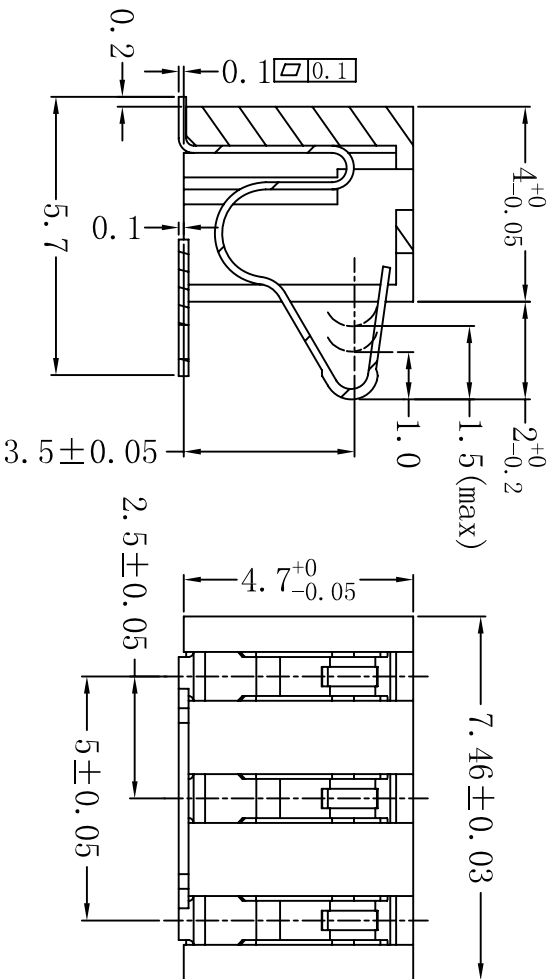
地址: 深圳市福田区深南中路南光捷佳大厦2121室

电话: 0755-83981317 83983895

传真: 0755-83981375

网址: www.szpretek.com

邮箱: liubinwu@szpretek.com, wj@szpretek.com



Note:

- 1.Operation Voltage250Vac/DC
2. Operation current 1A/Pin
- 3.temperature -40--+85℃;
- 4.the press force on contact pointpress distance is

1.0mm min, 1.5mm max

5.press distance is 1.0mm the press forceis1+/-0.1N

6.contact point mechanical operation is 6000 cycles

7.material:

housing black LCP GF30%, contact.(Be-Cu) thickness 0.15
holder C5210R-H/2thickness 0.2;

8.plating:

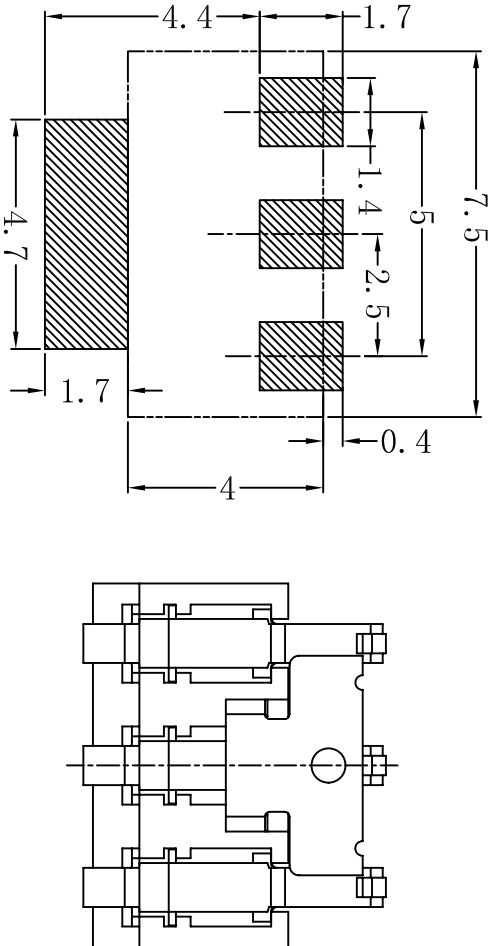
contactunderplated Ni1.27-2.54μ mcontact area Au
not less than 0.38 μ m

others plated Aunot less than 0.03 μ m

holder: underplated Ni1.27-2.54μ m pure tin plated

2.54-5.08 μ m over

9.connector and PCB soldering free from lead



BC-2.5-3 SMT-R


Battery Connector

Pitch header

Position

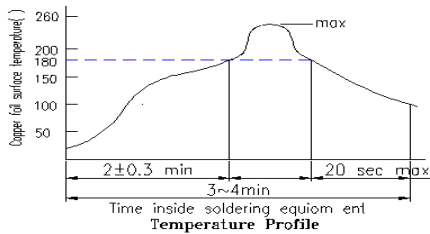
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Connection Type

DIM	TOL	DIM	TOL					深圳市普瑞泰电子有限公司			
x		x	±2°	FILE NO.		DATE		TITLE: Battery Connector			
x	±0.10	x	±1°	DRAW NO.		DESIGN:		P/N: BC-2.5-3SMT-R			
.xx	±0.05	.xx	±1°	CHECK:				SHEET: 1/1			
.xxx	±0.03	.xxx	±1°	REV.	VO.0	APPROVAL:		SCALE: 1:1			
								UNIT: mm			

规格书

系列类型	BATTERY CONNECTOR	编写 WRTN BY:	审核 CHECKED BY	批准 APPROVED BY
型号	BC-2. 5-3SMT-R	Wei Ming	Zhang BO	Wang Wei
VERSION 版本:	V0.1			
DATE 日期:	2007.08.26	2007.08.22	2007.08.22	2007.08.26
1. SCOPE 适用范围 This specification covers the requirements for: “BATTERY CONNECTOR” 本规格书适用: “BATTERY CONNECTOR” 系列				
2. Rating 额定值: DC 250V 1.0A				
3. CONSTRUCTION 构造				
3.1 Shape and dimensions are subject to drawing. 形状.尺寸根据图面确定.				
3.2 All part not allowed to exist rust 、 crack and poor planting. 各部分无生锈、裂痕、电镀不良现象.				
4. Standard test conditions shall be 5 to 35℃ in temperature and 45 TO 85% in humidity. 温度 5~35℃ , 湿度 45~85% 标准状态下测试.				
5. Electronical performance 电气性能				
Item 项目		Test condiction 测试条件	Performance 规格	
5.1	Contact resistance 接触阻抗	Being measured at 1 KHz small current contact resistance meter. 在 1kHz 小电流下测量。	30mΩ max. 30 毫欧 以下。	
5.2	Insulation resistance 绝缘阻抗	Measurements shall be made following application of DC 500 V potential across terminals and across terminals and frame for 1 minute. 在端子之间和端子与壳之间加 DC 500 V 条件下,持续 1 分钟测量。	1000MΩ min. 1000 兆欧 以上。	
5.3	Withstand voltage 耐电压	AC1000V(50Hz or 60 Hz)shall be applied across terminals and across teminals and frame for one minute. 在端子之间和端子与壳之间加 AC 1000 V (50Hz 或 60Hz)条件下,持续 1 分钟测量。	There shall be no breakdown 无击穿现象出现.	
6. Mechanical performance 机械性能				
6.1	Contact force 接触压力	0.7mm compression 压缩簧片 0.7mm,测量压力。	contact force: ≥80g	
6.2	Range 使用温度范围	Operation temperature 在-40~+85℃温度内使用		
7. Durability 耐久性				
7.1	Lift test 寿命试验	6,000 cycles of operation at a rate of 10-20 cycles per minute with unloading 在无负载条件下,以每分钟 10—20 次的速度操作 6,000 次。	(1) Contact resistance 接触阻抗 30mΩ max. 30 毫欧 以下 (2) 其它满足机械,电气性能.	

7.2	Soldering test 可焊性试验	<p>The sort of dip solder terminal: The foot of the spring shall be dipped 2mm in the solder bath at a temperature of $230 \pm 5^{\circ}\text{C}$ for 3 ± 0.5 sec.</p> <p>将簧片焊脚部浸入焊锡池 2mm 深, 温度 $230 \pm 5^{\circ}\text{C}$ 时间 3 ± 0.5 秒。</p>	<p>A new uniform coating of solder shall cover a minimum of 95% of the surface being immersed.</p> <p>浸入部分 95% 以上表面被锡覆盖。</p>
7.3	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°C 2 ± 0.3 minutes after the P.W.B entered into the soldering equioment.</p> <p>Soldering heat: Temperature on the copper foil surface should reach the peak temperature of 260°C with in 5 seconds after the P.W.B enter into soldering heat zone.</p> <p>过回流焊条件:</p> <p>预热: 电镀层表面的温度应达到 180°C, 2 ± 0.3 分钟, 后电路板进入回流焊设备. 回流焊温度: 电镀层表面温度最高为 260°C 且停留不超过 5 秒后电路板进入低温焊接处.</p>  <p>Temperature Profile</p>	<p>Without deformation of case or excessive looseness of terminals electrical characteristics shall be satisfied.</p> <p>本体无变形, 能满足于机械、电气性能。</p>
8.	Others	<p>When the amendment of this specification comes into necessity, the amendment must be made by the nutual consolation and agreement between manufacturer and customer.</p> <p>当规格书需要修正时, 需客户同厂方共同确认</p>	