



深圳市首韩科技有限公司

SHENZHEN SHOUHAN TECHNOLOGY CO., LTD

Tel: 0755-27597601 Fax: 0755-27597491

承 认 书

SPECIFICATION FOR APPROVAL

客 户 Customer:

产品名称 Project:

BF 90度白胶

规格型号 Part No:

BF 90°

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 | 张栋 | |
| 批准/Approved | 罗孝金 | |



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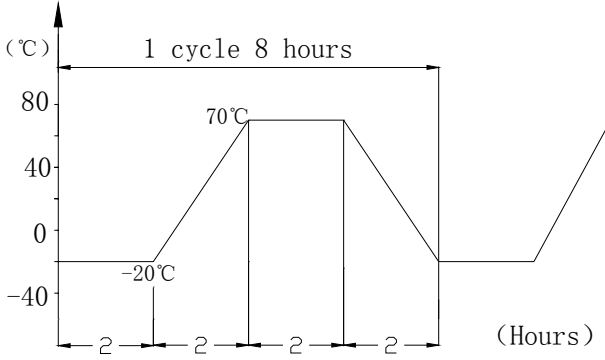
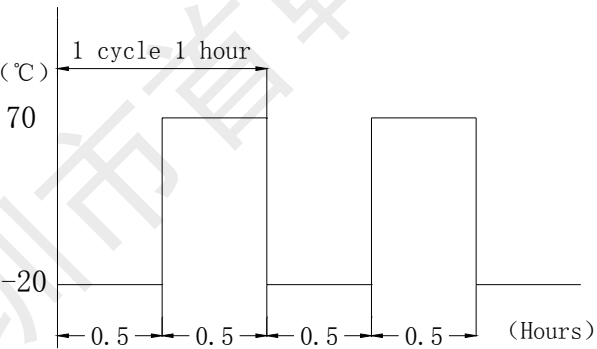
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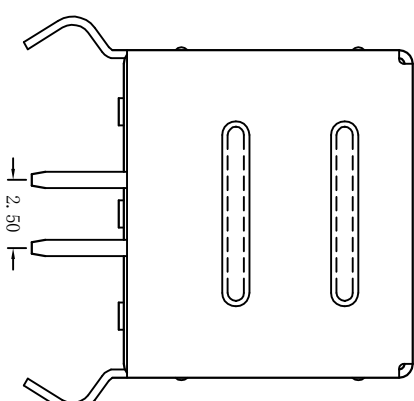
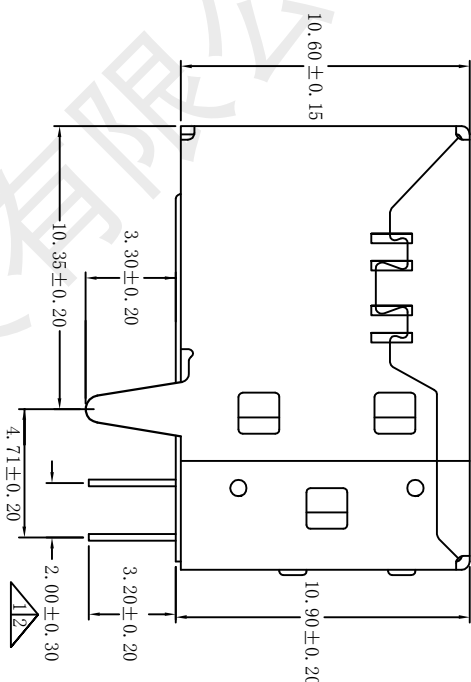
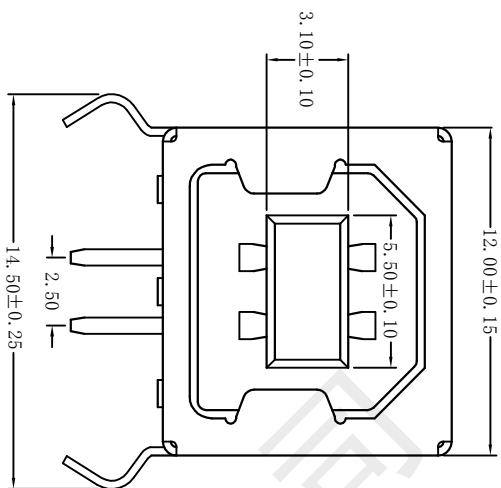
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| RATING（额定值）: | | DC | 30V | 1.5A |
| PRACTICAL TEMPERATURE RANGE 使用温度范围 | | -25~85° C 在-25° C~+85° C 温度内使用 | | |
| STANDARD ATMOSPHEIC CONDITIONS 测试标准状况 | | UNLESS OTHERWISE SPECIFIED THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING MEASUREMENTS AND TESTS ARE AS FOLLOWS: (1) BETWEEN BODY AND CONDUCTOR: 5° C TO 35° C (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° C~35° C (2) 湿度为 45%~85% (3) 气压为 86 Kpa~106Kpa | | |
| 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 | 3.75kgf | |
| | 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 | 1.02kgf | |
| 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 | |
| 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 | MEASURED AT SMALL CURRENT （100m A OR LESS） 1000Hz 在微小电流（100 m A）以下测试 | 30m Ω | |
| 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 | 1000M Ω | |

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| 3.3 | DIELECTRIC STRENGTH 耐电压 | <p>AC 500V 5ms(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 $230\pm 5^{\circ}\text{C}$ FOR 5 ± 0.5 SECONDS</p> <p>端子顶部被浸入锡池中 1mm 深,温度为 $230\pm 5^{\circ}\text{C}$,时间为 5 ± 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 $180\pm 120^{\circ}\text{S}$ 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 $230\pm 5^{\circ}\text{C}$ WITH IN 20 SECONDS.</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,120s 后电路板进入回流焊设备。</p> <p>最高温度:电镀层表面温度最高为 $230\pm 5^{\circ}\text{C}$ 且停留不超过 20 秒。</p> | <p>WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS</p> <p>ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED</p> <p>本体无变形, 满足于机械、电气性能</p> |

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| 4. 2 | RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验 | SOLDERING IRON METHOD: BIT TEMPERATURE $330 \pm 5^{\circ}\text{C}$ APPLICATION TIME OF SOLDERING IRON 3 ± 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 $330 \pm 5^{\circ}\text{C}$, 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 $40 \pm 2^{\circ}\text{C}$ 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 | 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 5000 次插入, 拔出 LOAD: AT RATING CONDITION (NON-INDUCTIVE LOAD) CONNECTION AND DISCONNECTION SHALL BE MADE 1,000 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 | (1) CONTACT RESISTANCE SHALL BE $\leq 0.1 \Omega$ (2) DISCONNECTION FORCE SHALL BE 0.8 TO 2.0N (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED (1) 接触电阻 $\leq 0.1 \Omega$ (2) 拔出力是 0.8~2.0N (3) 其它: 满足于机械、电气性能 |

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| 4.7 | TEMPERATURE CYCLING TEST 温度循环测试 | <p>THE JACK SHALL BE SUB JECTED TO 5 CYCLES OF THE FOLLOWING CONDITIONS SHOWED IN THE FIGURE,AND THEN SHALL RETURNED ALLOWED TO REMAIN IN ROOM AMBIENT CONDITION FOR 30 MINUTES</p> <p>将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟</p> <p>Temp(°C)</p>  <p>The graph shows a temperature profile over 8 hours for one cycle. The temperature starts at -20°C, rises linearly to 70°C over 2 hours, remains at 70°C for 2 hours, falls linearly to -20°C over 2 hours, and remains at -20°C for 2 hours. This cycle is repeated 5 times.</p> | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>INSERTION & EXTRACTION FORCE: 3 TO 20N</p> <p>CONTACT RESISTANCE: MAX. 30MΩ</p> <p>INSULATION RESISTANCE: MIN. 100 MΩ</p> <p>DIELECTRIC WITHSTANDING VOLTAGE: 100VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂</p> <p>插拔力: 3N 至 20N</p> <p>接触电阻: 最大 30mΩ</p> <p>绝缘电阻: 最小 100 MΩ</p> <p>绝缘耐压: 最小 100VAC (端子之间)</p> |
| 4.8 | COLD&HEAT SHOCK TEST 冷热冲击测试 | <p>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</p> <p>将插座以下列条件作 5 个循环，然后放回室内环境 30 分钟</p> <p>TEMP (°C)</p>  <p>The graph shows a temperature profile over 1 hour for one cycle. The temperature is at -20°C for 0.5 hours, then jumps to 70°C and remains there for 0.5 hours. This cycle is repeated 5 times.</p> | <p>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART.</p> <p>INSERTION & EXTRACTION FORCE: 3 TO 25N</p> <p>CONTACT RESISTANCE: MAX. 30MΩ</p> <p>INSULATION RESISTANCE: MIN. 100 MΩ</p> <p>DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂</p> <p>插拔力: 3N 至 25N</p> <p>接触电阻: 最大 30mΩ</p> <p>绝缘电阻: 最小 100 MΩ</p> <p>绝缘耐压: 最小 500VAC (端子之间)</p> |



规格说明: Specifications:

电气特性: Electrical:

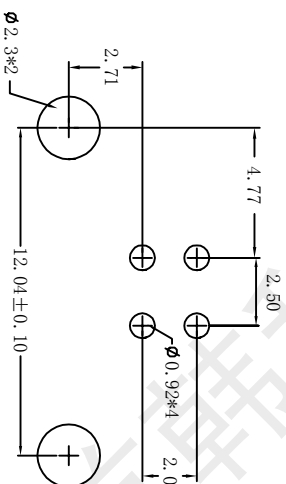
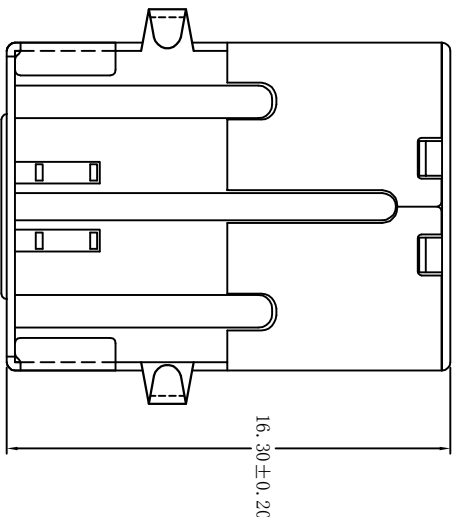
- 额定电流: 1.5A/contact terminal
- 额定电压: Voltage Rating 30V DC
- 接触电阻: Contact Resistance 30 milliohms MAX
- 耐电压: Dielectric Withstanding Voltage: 500 V AC At Sea Level
- 绝缘电阻: Insulation Resistance: 1000MEGA ohms MIN

物理性能: Mechanical:

- 插拔力: Connector Mate and Unmate Force
Mate force: 3.75kgf (MAX)
Unmate force: 1.02kgf (MIN)
- 端子保持力: Terminal Retention
1. 2kgf (MIN)

原材料: Material:

- 塑胶: Housing:
UL 94V-0 PBT White
 - 端子: Contact: Copper Alloy C2680
 - 外壳: Shell: Copper Alloy C2680/SPCC
- 电镀: Finish:
1. 端子: Contact: Plated Gold in Mating Area:
Tin On Solder Tails
2. 外壳: Shell: Nickel Plating



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| 品名 (ITEM NO) | USB B/F | 图号 (DWG NO) | | 单位 (UNIT): | MM |
| 型号 (PRODUCT NO) | 90° 白胶 DIP | 版本 (REV) | A/2 | 比例 (SCALE) | 1:1 |
| 模号 (MODEL NO) | | 日期 (DATE) | 2011.06.18 | 设计 (DESIGN) | 李春风 |
| | | 审核 (CHECKED) | 张栋 | 未注公差 | TOLERANCE UNSPECIFIED |
| | | 核准 (APPROVED) | 罗孝金 | X.X | ±0.30 |
| | | | | X.XX | ±0.20 |
| | | | | X.XXX | ±0.10 |
| | | | | X° | ±5° |
| | | | | X.X° | ±2° |