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| ZHE JIANG BEI ER JIA ELECTRONIC Co.,Ltd. 浙江贝尔佳电子有限公司 | 文件编号 | ST-A08 |
| | 发布日期 | 2019/2/15 |
| TEST SPECIFICATION 测试规范 | 页次 | 1/3 |

MODEL NO: ST-A08 series

1. GENERAL (一般事项)

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| 1.1 | APPLICATION 适用范围 | THIS SOCKET FOR THE POPULAR ELECTRONIC MACHINE 适用于一般电子设备之插座 |
| 1.2 | STANDARD ATMOSPHERIC 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°C TO 35°C (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°C. (2) 湿度为 45%~85%. (3) 气压为 86Kpa~106Kpa. |
| 1.3 | Construction 结构 | See the figure 见附图 |
| 1.4 | OPERATION TEMPERATURE 产品使用温度 | Maximum 120°C. 最高 120°C. |

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

| ITEM 项目 | TEST CONDITIONS 测试条件 | STANDARDS 标准规格 | |
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| 2.1 | CONTACT RESISTANCE 接触电阻 | MEASURED AT 5V DC 1 min (100 mA OR LESS) 以电压 5V DC 1分钟, 电流 100mA(最大)状态下测试. | 30mΩ MAX.最大 30毫欧. |
| 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 TERMINAL(2) BETWEEN TERMINAL AND TERMINAL 输入 500V DC电压 1分钟,按以下接触方法测试: (1)本体与端子之间.(2)端子与端子之间. | 100MΩ MIN. 最小 100兆欧. (IEC60320-1 section 15) (GB17465.1 section 15) |
| 2.3 | DIELECTRIC STRENGTH 耐电压 | AC 3000V BEING APPLIED BETWEEN ALL TERMINALS AND FRAME FOR 1 MIN 输入 AC3000V电压 1分钟,在所有端子与本体间.(或者以客户标准执行) | WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC.LEAKAGE CURRENT 1mA 没有绝缘破坏等异常.漏电流 1mA (IEC60320-1 section 15) (GB17465.1 section 15) |

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| 3 .MECHANICAL CHARACTERISTICS (机械性能规格) | | | |
| ITEM 项目 | | TEST CONDITIONS 测试条件 | STANDARDS 标准规格 |
| 3.1 | PULL FORCE OF TERMINAL 端子推出力 | THE SPECIMEN SHALL BE HEATED TO TEMPERATURE OF 120°C FOR 1 HOUR.THEN A STATIC LOAD OF 60N BE APPLIED TO PINS FOR ONE MINUTE. 加热样品至 120°C 维持 1 小时,然后施加 60+/-0.6N 的力于插梢 1 分钟. | NO MOVEMENT EXCEEDING 2.5mm 端子移动不可超过 2.5mm (IEC60320-1 section 13.4) (GB17465.1 section 13.4) |
| 4. DURABILITY (耐久性): | | | |
| ITEM 项目 | | TEST CONDITIONS 测试条件 | STANDARDS 标准规格 |
| 4.1 | SOLDERABI-LITY TEST 可焊性试验 | THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 255±5°C FOR 3~5 SECONDS OR MANUAL SOLDERING AT 380+/-20°C FOR 3+/-0.5S 端子顶部被浸入锡焊池中 2mm 深,温度为 255±5°C, 时间为 3~5 秒或手焊锡温度为 380+/-20°C, 时间为 3+/-0.5 秒 | THE AREA OF SOLDERING. SHOULD BE OVER 90%. 着焊锡面积要有 90% 以上. |
| | RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验 | THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm,SOLDER TEMPERATURE 255±5°C IMMERSION TIME 5±0.5 SEC OR MANUAL SOLDERING AT 380+/-20°C FOR 3+/-0.5S 端子顶部被浸入锡焊池中 2mm 深,温度控制在 255±5°C,过炉时间 5±0.5 秒或手焊锡温度为 380+/-20°C, 时间为 3+/-0.5 秒 | (1)SATISFY 2.1(2)SATISFY 2.2 (3)SATISFY 2.3 (4)SATISFY 3.1 (5)WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1)满足 2.1 要求. (2) 满足 2.2 要求. (3)满足 2.3 要求. (4)满足 3.1 要求. (5)本体和其它结构无变形情况. |
| 4.2 | LIFE TEST 寿命试验 | WITHOUT LOAD: CONNECTION AND DISCONNECTION SHALL BE MADE WITH THE MATING PLUGS AND JACKS FOR 4,000 CYCLES AT A SPEEDOF 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 次的速度,进行 4,000 次插入、拔出. | (1) CONTACT RESISTANCESHALL BE 60mΩ MAX. (2) MECHANICAL ANDELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1) 接触电阻最大 60mΩ. (2)其它、满足于机械、电气性能. (IEC60320-1 section 20) (GB17465.1 section 20) |

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| 4.3 | RESISTANCE TO HEAT TEST 耐热试验 | THE AC SOCKET SHALL BE STORED AT A TEMPERATURE OF $120\pm 2^{\circ}\text{C}$ 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 $120\pm 2^{\circ}\text{C}$ 中 96 小时后,再置于正常室温中 1 小时来测定. | (1) SATISFY 2.1 (2) SATISFY 3.1 (3) WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TEMINALS ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED. (1)满足 2.1 要求. (2)满足 3.1 要求. (3)本体和其它结构无变形情况. |
| 4.4 | RESISTANCE TO COLD TEST 耐寒性 | THE SPECIMEN SHALL BE STORED AT A TEMPERATURE OF $-20\pm 2^{\circ}\text{C}$ FOR 96H.AND THEN THE SPECIMEN SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1H,AFTER WHICH MEASUREMENT SHALL BE MADE. THE MEASUREMENT SHALL BE MADE WITHIN 1 HR AFTER THE RECOVREY PERIOD. 在温度 $-20\pm 2^{\circ}\text{C}$ 放置 96 小时试验后,置于常温常湿中 1 小时内测定之. | (1)CLAUSE 4.1 SHALL BE SATISFIED. (2)CONTACT RESISTANCE:30mΩ MAX. (3)DEFORMATION OR CRACKS SHALL NOT BE RECOGNIZED IN MOLDED PART. (1)必须满意足 4.1 项. (2)接触阻抗:最大 30mΩ. (3)塑料部份不能变形或破裂. |
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| A | 2019/02/15 | NEW REVISION | BUDDY SHIRLEY |
| REV. | DATE OF MODIFICATION | REVISION CONTENTS | APPROVE DESIGN |