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| <b>东莞市骏铿电子有限公司</b><br><b>DONGGUAN JUNKENG ELECTRONIC CO LTD.</b>                                            |                                   | 文件编号                                                                                                                                                                                                                                        | JK-SP-0002                                                                                                                                                                                    |
|                                                                                                             |                                   | 发布日期                                                                                                                                                                                                                                        | 2012 年 11 月 17 日                                                                                                                                                                              |
| <b>SPECIFICATION</b> <b>规格书</b>                                                                             |                                   | 第 A 版                                                                                                                                                                                                                                       | 第 1 页      共 3 页                                                                                                                                                                              |
| MODEL NO.<br>产品名称.                      PB-22E27   PB-22E37   PB-22E27T   PB-22E37T   PB-22E27R   PB-22E37R |                                   |                                                                                                                                                                                                                                             |                                                                                                                                                                                               |
| DRAWN 制订                                                                                                    |                                   | 韦中敏                                                                                                                                                                                                                                         | APPV 审批                                                                                                                                                                                       |
| 1. RATING (额定值)                                                                                             |                                   | :                                                                                                                                                                                                                                           | DC      30 V      0.1 A                                                                                                                                                                       |
| 2. FUNCTION (接触型式)                                                                                          |                                   | :                                                                                                                                                                                                                                           | 2P2T                                                                                                                                                                                          |
| 3. TIMING (时间特性)                                                                                            |                                   | :                                                                                                                                                                                                                                           | NON - SHORTING                                                                                                                                                                                |
| 4. ELECTRICAL CHARACTERISTICS (电气性能规格)                                                                      |                                   |                                                                                                                                                                                                                                             |                                                                                                                                                                                               |
| ITEM    项目                                                                                                  |                                   | TEST   CONDITIONS    测试条件                                                                                                                                                                                                                   | PERFORMANCE    规格                                                                                                                                                                             |
| 4.1                                                                                                         | CONTACT<br>RESISTANCE<br>接触电阻     | MEASURED AT 1 KHz SMALL CURRENT(100 mA OR LESS)<br>在 1 KHz 微小电流 (100mA 以下) 测试。                                                                                                                                                              | 30mΩ    MAX<br>30 毫欧以下。                                                                                                                                                                       |
| 4.2                                                                                                         | INSULATION<br>RESISTANCE<br>绝缘电阻  | APPLY A VOLTAGE OF 500V DC FOR 1 MIN.<br>TO FOLLOWING PORTIONS AFTER WHICH MEASUREMENT SHALL BE MADE:<br>(1) BETWEEN TERMINALS<br>(2) BETWEEN INDIVIDUAL TERMINAL AND FRAME<br>输入 500V DC 电压 1 分钟, 按以下接触方式测试<br>(1) 端子相互之间。<br>(2) 端子与外壳之间。 | 100MΩ    MIN<br>100 兆欧以上                                                                                                                                                                      |
| 4.3                                                                                                         | DIELECTRIC<br>STRENGTH<br><br>耐电压 | AC 500V rms(50~60Hz) FOR 1 MIN TRIP CURRENT: 0.5 mA<br>(1) BETWEEN TERMINALS.<br>(2) BETWEEN INDIVIDUAL TERMINAL AND FRAME.<br>输入 AC 500V(50~60Hz) 电压, 1 分钟感度电流为 0.5 mA, 按以下接触方式测试:<br>(1) 端子相互之间。<br>(2) 端子与外壳之间。                          | WITHOUT DAMAGE TO<br>PARTS ARCING OR<br>BREAKDOWN ETC.<br>没有绝缘破坏等异常。                                                                                                                          |
| 5. MECHANICAL CHARACTERISTICS (机械性能规格)                                                                      |                                   |                                                                                                                                                                                                                                             |                                                                                                                                                                                               |
| ITEM    项目                                                                                                  |                                   | TEST   CONDITIONS    测试条件                                                                                                                                                                                                                   | PERFORMANCE    规格                                                                                                                                                                             |
| 5.1                                                                                                         | OPERATING<br>FORCE<br>作动力         | PLACE THE SWITCH VERTICALLY TO THE OPERATION<br>DIRECTION,IMPRESS FORCE TO THE CENTRE OF KNOB AND TEST THE<br>MAXIMUN FORCE OF ONSTATE.<br>开关垂直于操作方向放置, 在推杆中心逐渐施力, 测量开关导通所需的最大<br>力度。                                                       | 见第三页                                                                                                                                                                                          |
| 5.2                                                                                                         | TERMINAL<br>STRENGTH<br>端子强度      | A STATIC FORCE OF 300gf BEING APPLIED IN ONE DIRECTION ON THE<br>TIP OF THE TERMINAL FOR 1 MINUTE.<br>在端子前端任意一个方向加一个 300 gf 的静负荷, 持续 1 分钟。                                                                                                  | THERE SHALL BE NO DAMAGE<br>TO THE TERMINAL SUCH AS<br>CRACKS, LOOSENESS OR<br>PLAY. ELECTRICAL AND<br>MECHANICAL<br>CHARACTERISTICS SHALL BE<br>SATISFIED.<br>在端子中没有裂开、松动等异<br>常。满足于机械、电器性能。 |

|                                                    |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
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| 东莞市骏铿电子有限公司<br>DONGGUAN JUNKENG ELECTRONIC CO LTD. |                                                  | 文件编号                                                                                                                                                                                                                                                                                                                                                                                                                                  | JK-SP-0002       |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
|                                                    |                                                  | 发布日期                                                                                                                                                                                                                                                                                                                                                                                                                                  | 2012 年 11 月 17 日 |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| SPECIFICATION                                      |                                                  | 规格书                                                                                                                                                                                                                                                                                                                                                                                                                                   | 第 A 版            | 第 2 页 共 3 页                                                                                                                                                                                                                                                                                                                                                       |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6. DURABILITY（耐久性）：                                |                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| ITEM 项目                                            |                                                  | TEST CONDITIONS 测试条件                                                                                                                                                                                                                                                                                                                                                                                                                  |                  | PERFORMANCE 规格                                                                                                                                                                                                                                                                                                                                                    |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.1                                                | LIFE TEST<br>寿命试验                                | WITHOUT LOAD:<br>AN ACTUATOR SHALL BE SUBJECT TO 10,000 CYCLES AT A SPEED OF 15 TO 18 CYCLES FOR 1 MIN<br>无负荷：<br>以 1 分钟拨动 15~18 次的频率，进行 10，000 次测试。                                                                                                                                                                                                                                                                                  |                  | (1) CONTACT RESISTANCE<br>100 mΩ MAX.<br>(2) INSULATION RESISTANCE<br>50MΩ MIN.<br>(3) WITHSTAND VOLTAGE<br>AC 500V, 1 MINUTE.<br>(4) OPERATING FORCE<br>±30% INITIAL VALUE.<br>(5) WITHOUT DAMAGE TO<br>PARTS ARCING OR<br>BREAKDOWN ETC.<br>(1) 接触电阻：100 毫欧以下。<br>(2) 绝缘电阻： 50 兆欧以上。<br>(3) 耐电压： AC 500V 1 分钟<br>(4) 作动力：变化范围为初始值的±30%<br>(5) 测试后外表无损伤，并且满足机械性能 |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.2                                                | SOLDERA BILITY<br>TEST<br>可焊性试验                  | THE TOP OF THE TERMINALS SHALL BE DIPPED 2mm IN THE SOLDER BATH OF 230±5 °C FOR 3±0.5 SECONDS.<br>端子顶部被浸入焊锡池中 2mm 深，温度为 230±5 °C，时间为 3±0.5 秒。                                                                                                                                                                                                                                                                                         |                  | THE AREA OF SOLDERING.<br>SHOULD BE OVER 75%<br>焊接面积要有 75%以上。                                                                                                                                                                                                                                                                                                     |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.3                                                | RESISTANCE TO<br>SOLDERING HEAT<br>TEST<br>耐焊性试验 | (1) TEMPERATURE AND IMMERSING TIME<br>温度及浸锡时间 <table><tr><td></td><td>TEMPERATURE<br/>温度（°C ）</td><td>TIME<br/>时间（S）</td></tr><tr><td>DIP SOLDERING<br/>浸 锡</td><td>260±5</td><td>3±1</td></tr><tr><td>MANUAL SOLDERING<br/>手 焊</td><td>360±10</td><td>3±1</td></tr></table> (2) TMMERSION DEPTH:<br>IMMERSION DEPTH UP TO THE SURFACE OF THE BOARD THICKNESS OF PRINTED WIRING BOARD 1.6 mm.<br>焊锡深度：<br>焊锡深度至基板（PCB）表面，基板厚度为 1.6mm。 |                  |                                                                                                                                                                                                                                                                                                                                                                   | TEMPERATURE<br>温度（°C ） | TIME<br>时间（S） | DIP SOLDERING<br>浸 锡 | 260±5 | 3±1 | MANUAL SOLDERING<br>手 焊 | 360±10 | 3±1 | WITHOUT DEFORMATION OF CASE OR EXCESSIVE LOOSENESS OF TERMINALS MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED.<br>本体无变形，能满足于机械、电器性能。 |
|                                                    | TEMPERATURE<br>温度（°C ）                           | TIME<br>时间（S）                                                                                                                                                                                                                                                                                                                                                                                                                         |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| DIP SOLDERING<br>浸 锡                               | 260±5                                            | 3±1                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| MANUAL SOLDERING<br>手 焊                            | 360±10                                           | 3±1                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.4                                                | HEAT TEST<br>耐热试验                                | THE JACK SHALL BE STORED AT A TEMPERATURE OF 85±2 °C FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 85±2 °C 中，96 小时后再放置于正常室温中 1 小时后测定。                                                                                                                                                                                                  |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.5                                                | COLD TEST<br>耐冷试验                                | THE JACK SHALL BE STORED AT A TEMPERATURE OF -25±3 °C FOR 96 HOURS AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY CONDITIONS FOR 1 HOUR AFTER WHICH MEASUREMENT SHALL BE MADE.<br>放置在温度 -25±3 °C 中，96 小时后再放置于正常室温中 1 小时后测定。                                                                                                                                                                                                |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |
| 6.6                                                | HUMIDITY TEST<br>潮湿试验                            | THE JACK SHALL BE STORED AT A TEMPERATURE OF 40±2 °C AND A HUMIDITY OF 90% TO 95% FOR 96 Hr . THEN THE JACK SHALL BE MAINTAINED AT STANDARD ATMOSPHERIC CONDITION FOR 1 Hr FOR OTHER PROCEDURES.<br>放置在温度 40±2 °C、相对湿度为 90~95%的环境中，96 小时后再放置于正常室温中 1 小时后测定。                                                                                                                                                                           |                  |                                                                                                                                                                                                                                                                                                                                                                   |                        |               |                      |       |     |                         |        |     |                                                                                                                                                     |

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|                                                                                     |                                                 | 第 3 页                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 共 3 页            |
| ITEM                                                                                | 项目                                              | TEST CONDITIONS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 测试条件             |
| 6.8                                                                                 | STANDARD<br>ATMOSPHERIC<br>CONDITIONS<br>测试标准状态 | UNLESS OTHERWISE SPECIFIED.<br>THE STANDARD RANGE OF ATMOSPHERIC CONDITIONS FOR MAKING<br>MEASUREMENTS AND TESTS ARE AS FOLLOWS:<br>(1) AMBIENT TEMPERATURE : 5 °C TO 35 °C<br>(2) RELATIVE HUMIDITY : 45% TO 85%<br>(3) AIR PRESSURE : 86Kpa TO 106Kpa<br>在没有指定的情况下测试温度、湿度、气压如下:<br>(1) 温度为 5~35°C 。<br>(2) 湿度为 45~85% 。<br>(3) 气压为 86Kpa~106Kpa 。                                                                                                                                                                                                                                                                                                                         | PERFORMANCE      |
| 6.9                                                                                 | PRACTICAL<br>TEMPERATURE<br>RANG<br>使用温度范围      | -16 °C ~ +60 °C<br>在-16 °C ~ +60 °C 温度内使用。                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 规格               |
| 6.10                                                                                | STORAGE<br>METHOD<br>保管方法                       | (1) IF DON'T USE THE PRODUCT IMMEDIATELY,STORE IT AS DELIVERED IN<br>THE FOLLOWING ENVIRONMENT: WITH NEITHER DIRECT SUNSHINE NOR<br>CORROSIVE GAS AND IN NORMAL TEMPERATURES. HOWEVER, IT IS<br>RECOMMENDED THAT YOU SHOULD USE IT AS SOON AS POSSIBLE BEFORE<br>SIX MONTHS PASS.<br>如非立即使用本制品, 应将其保管于阳光不能直射、没有腐蚀性气体的常温<br>环境中。但我们推介于 6 个月内尽快使用。<br>(2) AFTER BREAK THE SEAL, IT SHOULD PUT THE REMAINING IN A<br>PLASTIC BAG TO SEPARATE IT FROM THE OUTSIDE AND STORE IN THE<br>SAME ENVIRONMENT MENTIONED ABOVE. YOU SHOULD USE IT UP AS<br>SOON AS POSSIBLE.<br>把未用完的制品, 放回胶袋内密封后以上述相同环境保存, 尽快使用。<br>(3) DO NOT STACK TOO MANY SWITCHES FOR STRAFE.<br>保存时不要过剩重叠, 以防压坏。 |                  |
| <div> <div>150 gf±50gf</div> <div>250 gf±100gf</div> <div>350 gf±100gf</div> </div> |                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |