



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:

6PIN母座

规格型号 Part No:

TYPE-C 6P

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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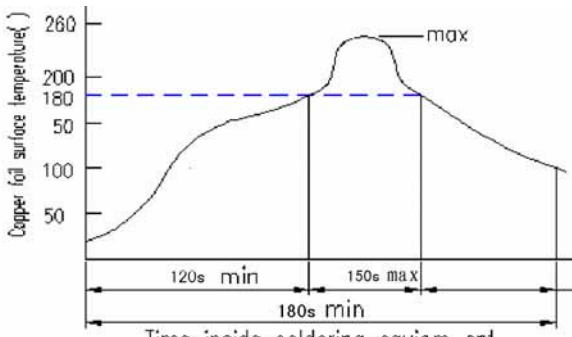
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|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RATING (额定值): | | DC | 20V | 5A |
| PRACTICAL TEMPERATURE RANGE 使用温度范围 | -40~85° C 在-40° 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 | | 5-20Nf |
| | 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 | | 6~20Nf |
| 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 | | 40M Ω |
| 3.2 | 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 CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN 输入 500V 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 | | 100M Ω |

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| 3.3 | <p>DIELECTRIC STRENGTH 耐电压</p> | <p>AC 500V 5ms(50~60Hz) FOR 1 MIN TRIP CURRENT:0.5mA (1) BETWEEN BODY AND CONDUCTOR (2) BETWEEN CONDUCTORS NOT TO BE CONTACT (3) BETWEEN CONDUCTORS NOT TO BE WHEN PLUG IS INSERTED DC 500V 1 MIN 输入 AC 100V (50Hz) /min 电压 1 分钟感度电流为 0.5mA, 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</p> | <p>WITHOUT DAMAGE TO PARTS ARCING OR BREAKDOWN ETC 没有绝缘破坏等异常</p> |
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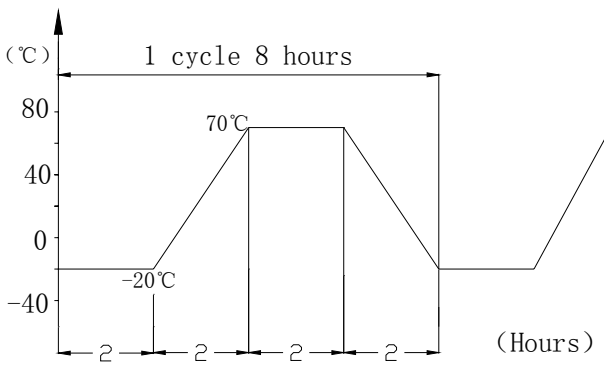
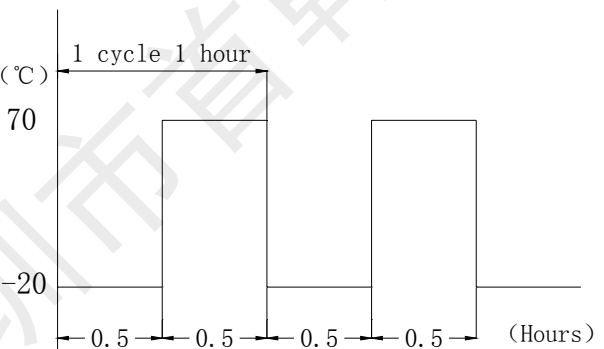
URABILITY (耐久性)

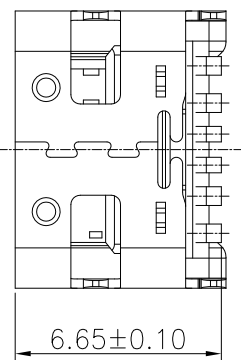
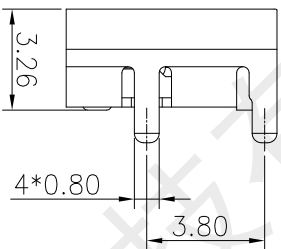
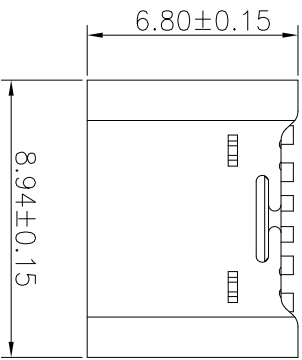
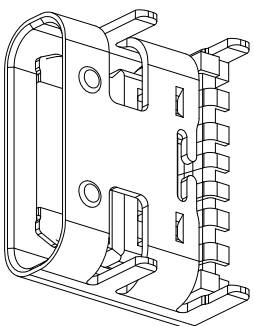
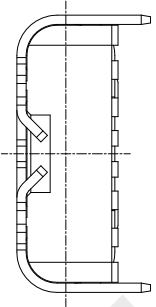
| ITEM 项目 | TEST CONDITIONS 测试条件 | PERFORMANCE 规格 |
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| 4.1 | <p>SOLDERABILITY TEST 可焊性试验</p> | <p>THE TOP OF THE TERMINALS SHALL BE DIPPED 1mm IN THE SOLDER BATH OF 250±5°C FOR 5±0.5 SECONDS 端子顶部被浸入锡池中 1mm 深,温度为 250±5°C,时间为 5±0.5 秒</p> | <p>(1) SOLDER WETTING TIME SHALL BE 3 SEC OR LESS 焊接时间应少于 3 秒 (2) THE AREA OF SOLDERING SHOULD BE OVER 75% 焊接面积应有 75%以上</p> |
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| 4.2 | <p>RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验</p> | <p>REFLOW SOLDERING CONDITIONS: PREHEAT:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH 180 .120S AFTER THE P.C.B ENTERED INTO THE SOLDERING EQUIPMENT. TALLEST TEMPERATURE:TEMPERATURE ON THE COPPER FOIL SURFACE SHOULD REACH THE PEAK TEMPERATURE OF 260±5 WITH IN 20 SECONDS. 过回流焊条件: 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。 最高温度:电镀层表面温度最高为 260±5°C且停留不超过 20 秒。</p>  <p style="text-align: center;">Temperature Profile</p> | <p>WITHOUT DEFOR MATION 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</p> |
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| 4. 2 | RESISTANCE TO SOLDERING HEAT TEST 耐焊性试验 | SOLDERING IRON METHOD: BIT TEMPERATURE 330±5℃ 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±5℃，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 TERMINALS 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±2℃ 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±2℃ 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±2℃ FOR 96 HOURS, AND THEN IT SHALL BE SUBJECTED TO THE CONTROLLED RECOVERY MBASURBM 放置在温度 70±2℃ 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±3℃ 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±3℃ 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 2, 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 10000 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 1,000 次插入、拔出 | (1) CONTACT RESISTANCE SHALL BE ≤ 0.1 Ω (2) DISCONNECTION FORCE SHALL BE 0.8 TO 2.0N (3) MECHANICAL AND ELECTRICAL CHARACTERISTICS SHALL BE SATISFIED (1) 接触电阻 ≤ 0.1 Ω (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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| <p>4.7</p> | <p>TEMPERATURE CYCLING TEST 温度循环测试</p> | <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 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>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 20N CONTACT RESISTANCE:MAX.30M Ω INSULATION RESISTANCE: MIN.100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 100VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂 插拔力: 3N 至 20N 接触电阻: 最大 30m Ω 绝缘电阻: 最小 100 M Ω 绝缘耐压: 最小 100VAC (端子之间)</p> |
| <p>4.8</p> | <p>COLD&HEAT SHOCK TEST 冷热冲击测试</p> | <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 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>THERE SHALL BE NO DEFORMATION OR CRACKS IN MOLDED PART. INSERTION & EXTRACTION FORCE:3 TO 25N CONTACT RESISTANCE:MAX.30M Ω INSULATION RESISTANCE: MIN.100 M Ω DIELECTRIC WITHSTANDING VOLTAGE: 500VAC/MIN(BETWEEN TERMINALS)</p> <p>产品不能变形与破裂 插拔力: 3N 至 25N 接触电阻: 最大 30m Ω 绝缘电阻: 最小 100 M Ω 绝缘耐压: 最小 500VAC (端子之间)</p> |



特性注解:

1. 电气特性:
 额定电流: 5 A 最大
 电源PIN及接地PIN: 25 A 每PIN
 其它 PIN 0.25 A
 工作电压: 20V Max.
 介质承受电压: AC: 100V /1分钟
 绝缘阻抗: 100 MΩ 最小.
 接触阻抗: 40 mΩ 最大.
2. 环境:
 工作温度: -40°C~+85°C.
3. 机械特性:
 插入力: 5~20Nf.
 拔出力: 6~20Nf.
 耐久寿命: 3000 Cycles.
4. 盐雾: 24H

| | | | |
|-----|-------------|-----|-------------|
| A5 | CC1 | B5 | CC2 |
| A9 | VBUS | B9 | VBUS |
| A12 | GND | B12 | GND |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |

料号:

普通款 黑色

| | | | |
|----------|-------|---------|-------------|
| 09/07-18 | JACK | 新增料号 | 1 |
| 06/09-17 | JACK | NEW-DWG | A0 |
| DATE | DR.BY | ECN.NO. | DESCRIPTION |
| | | | MARK |
| | | | VER. |

首韩 SHOUHAN 深圳市首韩科技有限公司

-TOLERANCES-
UNLESS OTHERWISE SPECIFIED
公差参考表

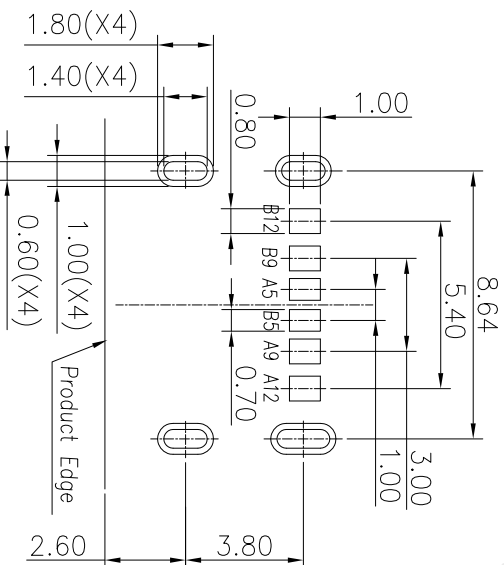
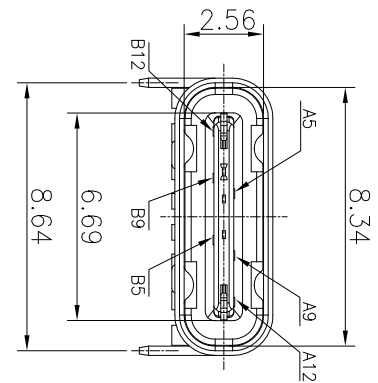


TITLE: TYPE-C

APPD: 李春风 PRODUCT NO: 6PIN母座

CHECK: 张栋 DATE SCALE UNIT TYPE PAGE

DRAW: 罗孝金 2017.06.09 1:1 mm CD 1/1



RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

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