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|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-------------|---|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|----------------------------|-----|----|------|----|------|-----|-----|----|-----|-----|-------------|-----|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| 1   | 2                                                                                                                                                                                                                                                                 | 3   | 4           | 5 | 6 | 7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 8            |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 版本                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 变更内容         | 工程确认                       | 日期  |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| A   |                                                                                                                                                                                                                                                                   |     |             |   |   | <div>TYPE C USB技术要求:</div> <div>1. 电气性能</div> <div>1.1. 额定电流: 3A/5A.</div> <div>1.2. 额定电压: 5V.</div> <div>1.2. 耐压: 500 V(AC) for 1 min.</div> <div>1.3. 接触阻抗: 40mΩ Max.</div> <div>可靠性测试后阻抗变化不得超过10mΩ.</div> <div>1.4. 绝缘阻抗: 100 MΩMin.</div> <div>2. 机械性能</div> <div>2.1 插入力: 5-20N. 拔出力: 6-20N.</div> <div>2.2 寿命测试: 5000/10000cycles Max.</div> <div>2.3 推力: 50N min.</div> <div>2.4 剥离强度: 150N min.</div> <div>2.5 扭曲强度: 0.75Nm</div> <div>3. 材料要求</div> <div>4.1 胶芯材料: LCP/PA9T</div> <div>4.2 外壳材料: SPCC/C2680/SUS304</div> <div>4.3 端子材料: C2680/C5191/C7025</div> <div>4. 盐雾要求: 24H/48H</div> <div>5. 工作温度: -20° C~85° C</div> <div></div> <div>RECOMMENDED P.C.B. LAYOUT</div> <div>TOLERANCE UNSPECIFIED ±0.05mm</div> |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| B   |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| C   |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| D   |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| E   | <div>带防水圈示意图</div>                                                                                                                                                                                                                                                |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| F   | <table><tr><td>A5</td><td>CC1</td><td>B12</td><td>GND</td></tr><tr><td>A9</td><td>VBUS</td><td>B9</td><td>VBUS</td></tr><tr><td>A12</td><td>GND</td><td>B5</td><td>CC2</td></tr><tr><td>PIN</td><td>SIGNAL NAME</td><td>PIN</td><td>SIGNAL NAME</td></tr></table> |     |             |   |   | A5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | CC1          | B12                        | GND | A9 | VBUS | B9 | VBUS | A12 | GND | B5 | CC2 | PIN | SIGNAL NAME | PIN | SIGNAL NAME | <div><div><div><div>yiYUAN</div><div>深圳市怡远科技有限公司</div><div>SHENZHEN YIYUAN TECHNOLOGY CO.,LTD</div></div><div><div>品名 (ITEM NO)</div><div>Type C 母座 6P 贴片 防水 长7.85</div></div><div><div>料号 (PART NO)</div><div>YTC-1WP6-2785</div></div><div><div>图号 (DWG NO)</div><div></div></div></div><div>These drawings and specifications are Shenzhen Yiyuan Technology Co Ltd.The property should not be copied. Without Shenzhen Yiyuan Technology Co. Ltd.Prior written consent to copy or use in any way.Email at info@yiyuanswitches.com</div></div> |  |  |  |
| A5  | CC1                                                                                                                                                                                                                                                               | B12 | GND         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| A9  | VBUS                                                                                                                                                                                                                                                              | B9  | VBUS        |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| A12 | GND                                                                                                                                                                                                                                                               | B5  | CC2         |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
| PIN | SIGNAL NAME                                                                                                                                                                                                                                                       | PIN | SIGNAL NAME |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 页码 (SHEET)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1/1          | 单位(UNIT) : MM              |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 版本 (REV)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A1           | 比例(SCALE)                  |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 日期 (DATE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2021. 10. 12 |                            |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 设计 (DESIGN)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | LUO          | 未注公差 TOLERANCE UNSPECIFIED |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 审核 (CHECKED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ROGER LI     | X.X ±0.20                  |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   | 核准 (APPROVED)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | ROC ZHAO     | X.XX ±0.15                 |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | X.XXX ±0.10                |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | X° ±5°                     |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |
|     |                                                                                                                                                                                                                                                                   |     |             |   |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |              | X.X° ±2°                   |     |    |      |    |      |     |     |    |     |     |             |     |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |