

## 承 认 书

### SPECIFICATION FOR APPROVAL

客 户 名 称 Customer:

\_\_\_\_\_

贵司料号CUSTOMER P/N:

\_\_\_\_\_

敝司料号INTERIOR P/N:

WTF01AXXXX

#### 贵公司承认印 Approval signatures

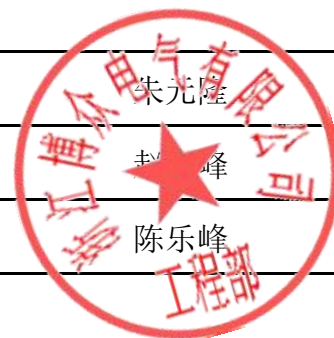
| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
|              |                |

Send us a copy of reference, thank you!

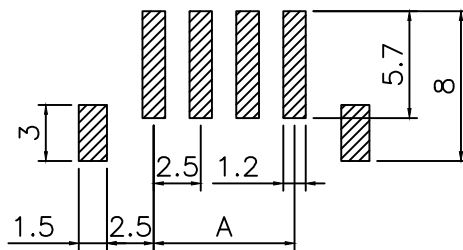
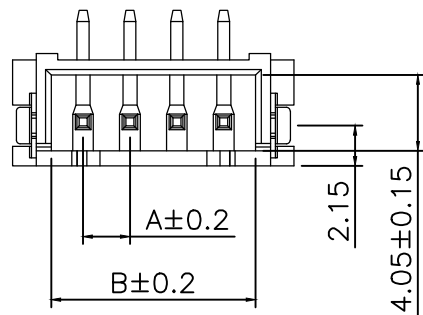
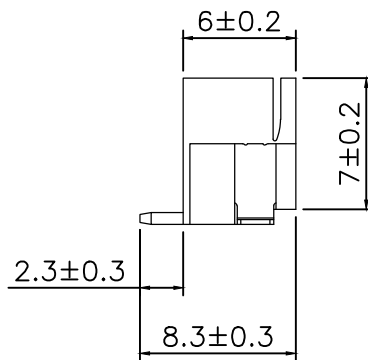
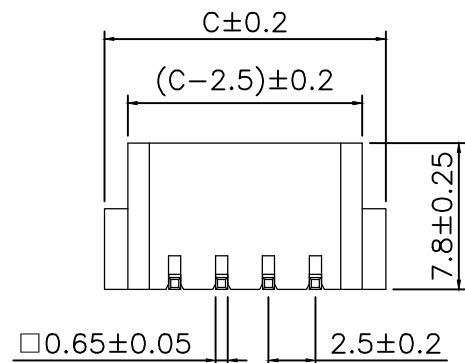
日期 Date:

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|             |     |
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| 拟制/Drawn    | 朱光隆 |
| 审核/Check    | 陈乐峰 |
| 批准/Approved | 陈乐峰 |

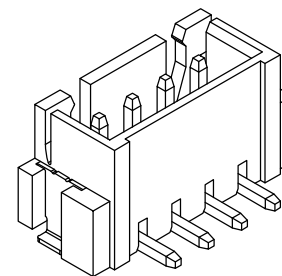


WTF01AXXX



PCB. 焊接图

PCB. WELDING DRAWING



- 1、极 数 Number of poles: 2-16
- 2、工作温度 Working Temperature: -40℃~+85℃
- 3、额定电压 Voltage rating : 125V AC DC
- 4、额定电流 Rated current : 3.0A
- 4、接触电阻 Contact resistance:  $\leq 30\text{m}\Omega$
- 5、绝缘电阻 Insulation resistance:  $\geq 100\text{M}\Omega$
- 6、耐 压 Withstand voltage : 500V AC
- 7、端 子 Terminal : 黄铜 Brass
- 焊 片 Solder tabs: 黄铜 Brass
- 外 壳 Housing : LCP

| Pin | A    | B    | C    |
|-----|------|------|------|
| 2P  | 2.5  | 5.9  | 10.0 |
| 3P  | 5.0  | 8.4  | 12.5 |
| 4P  | 7.5  | 10.9 | 15.0 |
| 5P  | 10.0 | 13.4 | 17.5 |
| 6P  | 12.5 | 15.9 | 20.0 |
| 7P  | 15.0 | 18.4 | 22.5 |
| 8P  | 17.5 | 20.9 | 25.0 |
| 9P  | 20.0 | 23.4 | 27.5 |
| 10P | 22.5 | 25.9 | 30.0 |
| 11P | 25.0 | 28.4 | 32.5 |
| 12P | 27.5 | 30.9 | 35.0 |
| 13P | 30.0 | 33.4 | 37.5 |
| 14P | 32.5 | 35.9 | 40.0 |
| 15P | 35.0 | 38.4 | 42.5 |
| 16P | 37.5 | 40.9 | 45.0 |

WT F 0 1 A

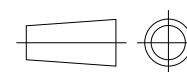
极数:  
2、3、4...

电镀方式:  
B: 亮锡

包装方式:  
A: 散装  
B: 编带

特殊码:

第一视角  
FIRST VIEW



名称/NAME:

针座

基本参数  
Basic parameters

一般公差  
GENERAL TOLERANCE

型号/MODEL:

WTF01AXXX

|                |                   |                   |                   |                 |
|----------------|-------------------|-------------------|-------------------|-----------------|
| 标记<br>SING     | 处数<br>FREQUENCY   | 更改文件号<br>REVISION | 签名<br>APPROVED    | 日期<br>DATE      |
| 设计<br>DESIGN   | 朱元隆               | 2021.06.01        | 审核<br>CHECKED     | 赵晓峰             |
| 批准<br>APPROVED | 陈乐峰               | 2021.06.01        | 比例<br>SCALE       | 1:1             |
| 单位<br>UNIT     | mm                | 重量<br>WEIGHT      | $\geq 0 \sim 2 <$ | $\pm 0.20$      |
| 角度<br>ANGLE    | $\geq 2 \sim 5 <$ | $\pm 0.30$        | $\geq 5$          | $\pm 0.50$      |
|                |                   |                   |                   | $\pm 0.5^\circ$ |

**BZCN** 浙江博众电气有限公司  
ZHEJIANG BOZHONG ELECTRONIC CO., LTD.

|                                                                                      |                         |                                                                                                   |                 |
|--------------------------------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------|-----------------|
| BZCN浙江博众电气有限公司                                                                       |                         | Page                                                                                              | 1/5             |
|                                                                                      |                         | MODEL                                                                                             | WTF01AXXXX      |
| SPECIFICATION                                                                        |                         |                                                                                                   |                 |
| 1、 适用范围                                                                              |                         |                                                                                                   |                 |
| APPLICATION                                                                          |                         |                                                                                                   |                 |
| 此规格书适用于线对板连接器的相关要求                                                                   |                         |                                                                                                   |                 |
| This specification is applicable to relevant requirements of wire to board connector |                         |                                                                                                   |                 |
| 2、 使用条件                                                                              |                         |                                                                                                   |                 |
| SERVICE CONDITIONS                                                                   |                         |                                                                                                   |                 |
| 2.1 环境温度：-40℃～+85℃                                                                   |                         |                                                                                                   |                 |
| Ambient temperature Range: -40℃～+85℃                                                 |                         |                                                                                                   |                 |
| 3、外观及尺寸                                                                              |                         |                                                                                                   |                 |
| Appearance and Dimension                                                             |                         |                                                                                                   |                 |
| 3.1 产品表面不应有对制品有害的缺陷、污垢、裂痕及机械损伤；接触件无锈蚀、镀层氧化、脱落等现象                                     |                         |                                                                                                   |                 |
| Appearance:Product surface without defect、dirt、crack、and mechanical damang,          |                         |                                                                                                   |                 |
| Contact without rust,plating not oxided and not peeled                               |                         |                                                                                                   |                 |
| 3.2 外形尺寸：参考图纸                                                                        |                         |                                                                                                   |                 |
| Dimension:According to drawings                                                      |                         |                                                                                                   |                 |
| 4、材料                                                                                 |                         |                                                                                                   |                 |
| Material                                                                             |                         |                                                                                                   |                 |
| 名 称 NAME                                                                             |                         | 材 质 MATERIALS                                                                                     |                 |
| 主体 Main body                                                                         |                         | LCP（本色）                                                                                           |                 |
| 端子 Sit uip                                                                           |                         | 黄铜                                                                                                |                 |
| 焊护耳 Solder tabs                                                                      |                         | 黄铜                                                                                                |                 |
| 5、 电气性能                                                                              |                         |                                                                                                   |                 |
| Electrical Performance                                                               |                         |                                                                                                   |                 |
| NO.                                                                                  | 项目 ITEM                 | 试验条件 TEST CONDITIONS                                                                              | 要求 REQUIREMENTS |
| 5.1                                                                                  | 接触电阻 Contact Resistance | 适合嵌合状态；开放电压20mV 以下；短路电流 10mA的状态下测定。<br>Mate applicable and measure by dry circuit, 20mΩ MAX, 10mA | ≤ 30mΩ MAX      |

|                                                                                             |                                   |                                                                                                                                    |                                                       |
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|                                                                                             |                                   | MODEL                                                                                                                              | WTF01AXXXX                                            |
| SPECIFICATION                                                                               |                                   |                                                                                                                                    |                                                       |
| 5.2                                                                                         | 绝缘电阻<br>Insulation Resistance     | 适合嵌合状态；相邻端子间或端子与地面间加DC 500V 下测定。<br>Mate applicable and apply 500V DC between adjacent terminal or ground.                         | $\geq 100M\Omega$                                     |
| 5.3                                                                                         | 耐电压<br>Dielectric                 | 适合嵌合状态；相邻端子间或端子与地面间加AC500V（有效值）历时1分钟下测定。<br>Mate applicable and apply 500V AC(rms)for 1minute between adjacent terminal or ground. | 无击穿、无飞弧<br>There should be no breakdown and flashover |
| 6、机械性能：                                                                                     |                                   |                                                                                                                                    |                                                       |
| MECHANICAL SPECIFICATION                                                                    |                                   |                                                                                                                                    |                                                       |
| NO.                                                                                         | 项目<br>ITEM                        | 试验条件<br>TEST CONDITIONS                                                                                                            | 要求<br>REQUIREMENTS                                    |
| 6.1                                                                                         | 端子保持力<br>Terminal Retention Force | 单一端子；以每分钟 $25\pm 3mm$ 的速度平行向外拉<br>Pull the terminal at the speed rate of $25\pm 3mm$ per minute                                    | $\geq 8N$                                             |

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|                                                                                             |                                                 | MODEL                                                                                                                            | WTF01AXXXX                                |
| SPECIFICATION                                                                               |                                                 |                                                                                                                                  |                                           |
| 7、 环境和其他性能：                                                                                 |                                                 |                                                                                                                                  |                                           |
| ENVIRONMENTAL PERFORMANCE AND OTHERS                                                        |                                                 |                                                                                                                                  |                                           |
| NO.                                                                                         | 项目<br>ITEM                                      | 试验条件<br>TEST CONDITIONS                                                                                                          | 要求<br>REQUIREMENTS                        |
| 7.1                                                                                         | 重复拔插<br>Repeated<br>Insertion and<br>Withdrawal | 无通电状态；以10次/分钟的速度插拔20次<br>Insertion and withdrawal catuator up to<br>20 cycles at the speed rate of less than 10<br>cyclea/minute | 试验后接触电阻 $\leq 60\text{m}\Omega$           |
| 7.2                                                                                         | 耐热性<br>Heat<br>Resistance                       | 适合嵌合状态； $85\pm 2^{\circ}\text{C}$ 的空气中；放置 96 小时；<br>再回到室温中放置 1-2 小时<br>$85\pm 2^{\circ}\text{C}$ ， 96 hour                       | 试验后外观无损坏，<br>接触电阻 $\leq 60\text{m}\Omega$ |

|                                                                                             |                                |                                                                                                                                  |                                                      |
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|                                                                                             |                                | MODEL                                                                                                                            | WTF01AXXXX                                           |
| SPECIFICATION                                                                               |                                |                                                                                                                                  |                                                      |
| 7.3                                                                                         | 耐寒性<br>Cold<br>Resistance      | 适合嵌合状态：-40±2℃的空气中；放置 96 小时；再回到室温中放置 1-2 小时<br>-40±2℃， 96 hour                                                                    | 试验后外观无损坏，<br>接触电阻 ≤ 60mΩ                             |
| 7.4                                                                                         | 耐湿性<br>Humidity                | 适合嵌合状态：40±2℃、相对湿度90-95%的空气中；放置 96 小时；再回到室温中 0.5 小时内测定<br>Temperature: 40±2℃<br>Relative Humidity: 90-95%<br>Duration: 96 Hours   | 试验后外观无损坏，<br>接触电阻 ≤ 60mΩ<br>满足耐电压测试，<br>绝缘电阻 ≥ 100MΩ |
| 7.5                                                                                         | 温度循环<br>Temperature<br>Cycling | 适合嵌合状态：-55±3℃ 30 分钟；常温常湿 10-15 分钟；85±2℃ 30 分钟；常温常湿 10-15 分钟，循环5次。<br>5 cycles of:<br>a) -55±3℃ 30 minutes<br>B) 85±2℃ 30 minutes | 试验后外观无损坏，<br>接触电阻 ≤ 60mΩ                             |

## SPECIFICATION

|     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                           |
|-----|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 7.6 | 盐雾试验<br>Salt Mist<br>(铁材质不做盐雾要求) | <p>在嵌合状态以下列设定条件下进行测量:<br/>The switch shall be checked after following test:</p> <p>(1) 温度: <math>35^{\circ}\text{C} \pm 2^{\circ}\text{C}</math><br/>temperature: <math>35^{\circ}\text{C} \pm 2^{\circ}\text{C}</math></p> <p>(2) 盐溶液浓度: <math>5 \pm 1\%</math> (质量百分比)<br/>salt solution : <math>5 \pm 1\%</math> (solids by mass)</p> <p>(3) 时间: 8h<br/>Time: 8h</p> <p>实验后的盐沉积物后水冲掉<br/>After test, salt deposit shall be removed by running water.</p> | <p>金属件上没有腐蚀斑点<br/>No remarkable corrosion shall be recognized in metal part.</p>          |
| 7.7 | 可焊性<br>Solderability             | <p>端子前端侵入 <math>235 \pm 5^{\circ}\text{C}</math> 的锡槽中; 历时 <math>2 \pm 0.5</math> sec。<br/>Soldering Time: <math>2 \pm 0.5</math> sec.<br/>Soldering Temperature: <math>235 \pm 5^{\circ}\text{C}</math><br/>0.2 mm from terminal tip</p>                                                                                                                                                                                                                    | <p>除边缘外涂层应均匀覆盖 90% 以上<br/>Except for the edge, the coating should cover a minimum 90%</p> |

下图为所推荐的回流焊温度曲线图

The following diagram shows the recommended reflow soldering temperature profile.

