

## 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:

WTD01WXXXXXX

#### 贵公司承认印 Approval signatures

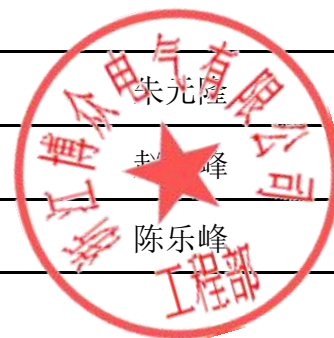
| 料 号/Part No. | 签 章/Signatures |
|--------------|----------------|
|              |                |

Send us a copy of reference, thank you!

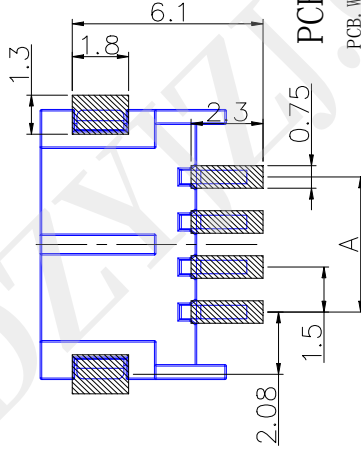
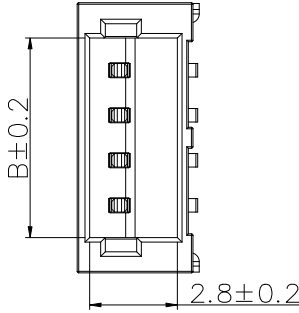
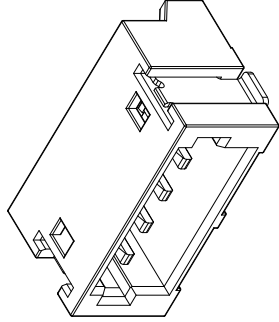
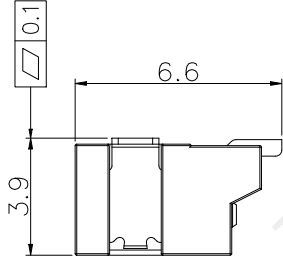
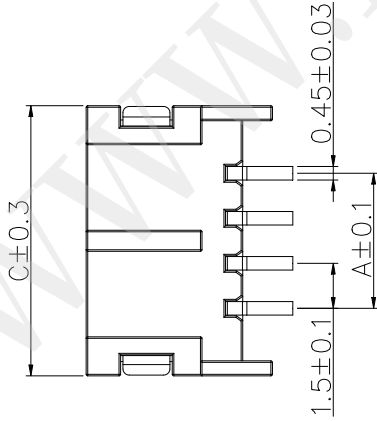
日期 Date:

地址: 浙江省乐清市虹桥镇信岙工业区  
Add: Xinao Industry Zone Hongqiao Yueqing  
Zhejiang  
电话/Tel: 86-0577-57573366  
传真/Fax: 86-0577-57573373  
Http://www.cnbozhong.com  
Alibaba: Http://dezhimei.cn.alibaba.com

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



WTD01WXXXXXX



PCB. 焊接图  
PCB. WELDING DRAWING

- 极数 Number of poles: 2-16
- 工作温度 Working Temperature: -25℃~+85℃
- 额定电压 Voltage rating : 125V AC
- 额定电流 Rated current : 1.0A
- 接触电阻 Contact resistance: ≤0.03 Ω
- 绝缘电阻 Insulation resistance: ≥100MΩ
- 耐压 Withstand voltage : 250V AC
- 端子 Terminal : 铜合金 Copper Alloy  
外壳 Housing : LCP

|       | A     | B     | C     |
|-------|-------|-------|-------|
| 2P    | 1.5   | 3.65  | 6.0   |
| 3P    | 3.0   | 5.15  | 7.5   |
| 4P    | 4.5   | 6.65  | 9.0   |
| 5P    | 6.0   | 8.15  | 10.5  |
| 6P    | 7.5   | 9.65  | 12.0  |
| 7P    | 9.0   | 11.15 | 13.5  |
| 8P    | 10.5  | 12.65 | 15.0  |
| ••••• | ••••• | ••••• | ••••• |

WT D01 W

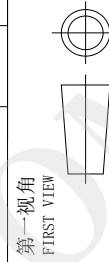
贴片方式: W: 卧贴

极数: 2, 3, 4, ...

电镀方式: A: 雾锡 B: 亮锡

包装方式: A: 散装 B: 加热编带 C: 管装

特殊码:



第一视角  
FIRST VIEW



名称/NAME:

针座

型号/MODEL:

WTD01WXXXXXX

一般公差  
GENERAL TOLERANCE

| 比例<br>SCALE  | 1:1   | 日期<br>DATE | 审核<br>APPROVED | 设计<br>DESIGN | 审核<br>CHECKED | 批准<br>APPROVED |
|--------------|-------|------------|----------------|--------------|---------------|----------------|
| 单位<br>UNIT   | mm    | 2021.06.01 | 朱元隆            | 赵晓峰          | 陈乐峰           |                |
| 重量<br>WEIGHT |       | 2021.06.01 |                |              |               |                |
| 角度<br>ANGLE  | ±0.5° |            |                |              |               |                |

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

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：-25℃~+85℃

Ambient temperature Range: -25℃~+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      | 铜合金           |
| 焊护耳 Solder tabs | 铜合金           |

5、 电气性能

Electrical Performance

| NO. | 项目<br>ITEM                    | 试验条件<br>TEST CONDITIONS                                                                           | 要求<br>REQUIREMENTS |
|-----|-------------------------------|---------------------------------------------------------------------------------------------------|--------------------|
| 5.1 | 接触电阻<br>Contact<br>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, 30mΩ MAX, 10mA | ≤ 30mΩ MAX         |

|                          |                                   |                                                                                                                                    |                                                       |
|--------------------------|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| <b>BZCN</b> 浙江博众电气有限公司   |                                   | Page                                                                                                                               | 2/5                                                   |
|                          |                                   | MODEL                                                                                                                              | WTD01WXXXXXX                                          |
| 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 100V下测定。<br>Mate applicable and apply 100V 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                                    | $\geq 1.96N$                                          |

| <div> <div>BZCN</div> <div>浙江博众电气有限公司</div> </div> |                                                 | Page                                                                                                                             | 3/5                                       |
|----------------------------------------------------|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|
|                                                    |                                                 | MODEL                                                                                                                            | WTD01WXXXXXX                              |
| 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                                                | 温度上升<br>Temperature<br>Rise                     | 适合嵌合状态；最大容许电流通电，温度测定。<br>Carrying rated current load.                                                                            | 试验后温度上升 $\leq 30^{\circ}\text{C}$         |
| 7.3                                                | 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 $\leq 60\text{m}\Omega$ |

## SPECIFICATION

7.4

耐寒性  
Cold  
Resistance适合嵌合状态：  $-40\pm 2^{\circ}\text{C}$  的空气中；放置 96 小时；  
再回到室温中放置 1-2 小时  
 $-40\pm 2^{\circ}\text{C}$ ， 96 hour试验后外观无损坏，  
接触电阻  $\leq 60\text{m}\Omega$ 

7.5

耐湿性  
Humidity适合嵌合状态：  $40\pm 2^{\circ}\text{C}$ 、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  
Temperature:  $40\pm 2^{\circ}\text{C}$   
Relative Humidity: 90-95%  
Duration: 96 Hours试验后外观无损坏，  
接触电阻  $\leq 60\text{m}\Omega$   
满足耐电压测试，  
绝缘电阻  $\geq 20\text{M}\Omega$ 

7.6

温度循环  
Temperature  
Cycling适合嵌合状态：  $-25\pm 3^{\circ}\text{C}$  30 分钟；常温常湿 10-15 分钟；  $85\pm 2^{\circ}\text{C}$  30 分钟；常温常湿 10-15 分钟，循环5次。  
5 cycles of:  
a)  $-25\pm 3^{\circ}\text{C}$  30 minutes  
B)  $85\pm 2^{\circ}\text{C}$  30 minutes试验后外观无损坏，  
接触电阻  $\leq 60\text{m}\Omega$

## SPECIFICATION

|     |                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                           |
|-----|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| 7.7 | 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: 24h<br/>Time: 24h</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>          |
| 7.8 | 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.

