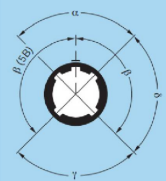


| 1                                  |       | 2       |      |      |      | 3    |     | 4   |     | 5   |     | 6   |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
|------------------------------------|-------|---------|------|------|------|------|-----|-----|-----|-----|-----|-----|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|-------|----|----|---|---|---|----|---|---|---|-----|---|---|---|-----|---|---|---|-----|---|---|---|------|---|---|---|------|---|---|---|------|---|---|---|-----|---|---|---|-----|---|---|---|-----|---|---|---|---|---|---|---|---|--|---|---|---|
| Insert Cofiguration<br>针芯配置        |       | 302     | 303  | 304  | 305  | 306  | 307 | 308 | 310 | 312 | 314 | 316 | 406            | <div>插座正视图</div> <div></div> <div>表二</div> <table><thead><tr><th>编号</th><th>定位销数量</th><th>角度</th><th>1B</th></tr></thead><tbody><tr><td>G</td><td>1</td><td>-</td><td>0°</td></tr><tr><td>A</td><td>2</td><td>α</td><td>30°</td></tr><tr><td>B</td><td>2</td><td>α</td><td>60°</td></tr><tr><td>C</td><td>2</td><td>α</td><td>90°</td></tr><tr><td>D</td><td>2</td><td>β</td><td>135°</td></tr><tr><td>E</td><td>2</td><td>β</td><td>145°</td></tr><tr><td>F</td><td>2</td><td>β</td><td>155°</td></tr><tr><td>J</td><td>2</td><td>γ</td><td>45°</td></tr><tr><td>K</td><td>2</td><td>γ</td><td>70°</td></tr><tr><td>L</td><td>2</td><td>γ</td><td>80°</td></tr><tr><td>M</td><td>2</td><td>δ</td><td>-</td></tr><tr><td>Y</td><td>3</td><td>-</td><td>-</td></tr><tr><td></td><td>3</td><td>-</td><td>-</td></tr></tbody></table> | 编号 | 定位销数量 | 角度 | 1B | G | 1 | - | 0° | A | 2 | α | 30° | B | 2 | α | 60° | C | 2 | α | 90° | D | 2 | β | 135° | E | 2 | β | 145° | F | 2 | β | 155° | J | 2 | γ | 45° | K | 2 | γ | 70° | L | 2 | γ | 80° | M | 2 | δ | - | Y | 3 | - | - |  | 3 | - | - |
| 编号                                 | 定位销数量 | 角度      | 1B   |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| G                                  | 1     | -       | 0°   |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| A                                  | 2     | α       | 30°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| B                                  | 2     | α       | 60°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| C                                  | 2     | α       | 90°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| D                                  | 2     | β       | 135° |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| E                                  | 2     | β       | 145° |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| F                                  | 2     | β       | 155° |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| J                                  | 2     | γ       | 45°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| K                                  | 2     | γ       | 70°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| L                                  | 2     | γ       | 80°  |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| M                                  | 2     | δ       | -    |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Y                                  | 3     | -       | -    |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
|                                    | 3     | -       | -    |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Pin Number(View N)<br>公针芯排列(焊接面视图) |       |         |      |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Pin Size<br>接触体直径 (mm)             |       | 1.3     | 1.3  | 0.9  | 0.9  | 0.7  | 0.7 | 0.7 | 0.5 | 0.5 | 0.5 | 0.5 | 0.9*4<br>0.5*2 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Withstand voltage<br>耐电压(V)(AC)    |       | 1500    | 1300 | 1300 | 1250 | 1050 | 950 | 950 | 900 | 800 | 800 | 800 | 1000           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Rated Current<br>额定电流 (A)          |       | 15      | 12   | 10   | 9    | 7    | 7   | 5   | 2.5 | 2   | 2   | 1.5 | 10A*4<br>2A*2  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| Insulation resistance<br>绝缘电阻 (MΩ) |       | ≥5000MΩ |      |      |      |      |     |     |     |     |     |     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |
| R(max)<br>接触电阻 (mΩ)                |       | 5       | 5    | 6    | 6    | 7.5  | 7.5 | 7.5 | 10  | 10  | 10  | 10  | 10             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |    |       |    |    |   |   |   |    |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |      |   |   |   |      |   |   |   |      |   |   |   |     |   |   |   |     |   |   |   |     |   |   |   |   |   |   |   |   |  |   |   |   |

(1)Product main performance/产品主要性能指标

Endurance (Shell)/壳体拔插次数: 5000

Operating Temperature/工作温度: -55° C~+170° C

Humidity(max)/最大潮湿:<=95% [at 60 deg C / 140 F]

Vibration/振动:15 g [10 Hz - 2000 Hz]

Shock Resistance/冲击:100 g [ 6 ms]

Salt Spray Corrosion/盐雾:>144 hr

Shielding (min)/屏蔽性能:75 dB (10 MHz)

Shielding(min)/屏蔽性能:40 dB (1 GHz)

P op(max)/最大环境压力:60 bar (870 psi)

OTHER CHARACTERISTICS /其他性能

Housing Material/壳体材料: 外壳体为铜合金, 表面镀铬镍

Contact PIN/接触针芯: Gold plated phosphor bronze/磷青铜镀金

Insulator/绝缘体材料:PPS

IP rating(when mated)/防水等级(插合时): IP50

(2)Part Nunmbering System

ZC . TP G . 1B. 306 . C L A D 42 Z

Housing model 主型号  
(TG, TE, TP, ZG, ZE, ZC, DH, MG, ME)

Alignment key 键位  
(G, A, B, C, J, L ..... 详见表二)

Series 系列  
(B, K, T, W, F, U, Y, C.....)

Insert Configuration 针芯配置  
(302, 305, 312..... 详见表一)

Housing materia外壳材质  
(C:铜镀珍珠铬 K:铜镀黑铬)

Variant 变量参数  
(N:黑 A:蓝 R:红 G:灰 V:绿 J:黄)

Cable OD 电缆夹直径  
(32, 42, 52, 62..... 详见表三)

Collet type 线绳夹类型  
(D, C)

Contact type 针芯类型  
(A:公针 L:母孔 N:板接孔)

Insulator material 绝缘体材质  
(L:PPS T:PTFE)

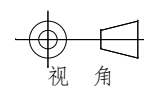
GENERAL TOLERANCE  
(UNLESS SPECIFIED)

≤10 ±0.15

<10~≤20 ±0.25

<20~≤50 ±0.5

Angle ±1°



视 角  
THIRD ANGLE

绘图  
DWN

确认  
CHK

核准  
APVD

单位  
UNIT

尺寸  
SIZE

Y.Z 2026.05.15

MM

A4

版本  
REV

1 OF 1

页码  
SHEET



品名  
TITLE

品号  
PART NO

型号  
DRAWING NO

1B系列弯式针型插头 6芯, 黄铜镀珍珠铬, 焊线式, 适配电缆直径3.2~4.1mm, 尾管式出线尾帽, 水滴外观

C160101-03981

ZC. TPG. 1B. 306. CLAD42Z