

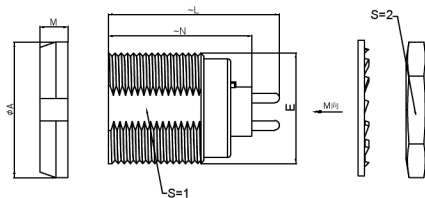
## 1.View and size(视图及尺寸)

| Main technical indicators(主要技术指标) |                                                                           |
|-----------------------------------|---------------------------------------------------------------------------|
| 1.Mating (插拔次数)                   | 5000                                                                      |
| 2.Working Temperature (温度)        | -55~+150 ℃                                                                |
| 3.IP Rating (防护级别)                | IP 50                                                                     |
| 4.Diameter of socket end(插合端直径)   | φ0.5                                                                      |
| 5.Testing Voltage (测试电压)          | 900V                                                                      |
| 6.Working Voltage (工作电压)          | 1500V                                                                     |
| 7.Rated Current (额定电流)            | 2.5A                                                                      |
| 8.Shell material(壳体材质)            | Brass (chromium plating)/(nickel plating) fixation ring/ 黄铜(镀铬)/ (镀镍) 固定圈 |
| 9.Pin Material(插针材料)              | Copper alloy gold plating(铜合金镀金)                                          |
| 10.Insulator material(绝缘体材质)      | PPS                                                                       |

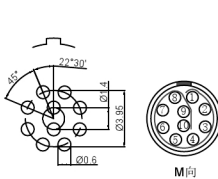
| Sum up(总结)                  |                                               |
|-----------------------------|-----------------------------------------------|
| Series(系列)                  | B                                             |
| Shell style/model (外壳样式/型号) | ZCG:With two nuts (插背 and forth)带有两个螺母 (前后固定) |
| Button (按键)                 | A button(一个按键)                                |
| Termination type (终止类型)     | Female print PCB(印刷PCB)                       |
| Line diameter awg(线材直径)     | 34AWG-28AWG                                   |
| Cable diameterφ (电缆直径)      | 0-0                                           |
| Match plug(匹配插头)            | TGG.1B.P10.CLAD52H                            |

| Location pin combination (定位销组合) |                                      |           |                         |
|----------------------------------|--------------------------------------|-----------|-------------------------|
| (编号)<br>Numder                   | Number of<br>positioning pins(定位销数量) | Angle(角度) | Series(系列)-1B           |
| G                                | One(1)                               |           | (Zero degrees)0°        |
| A                                | Two(2)                               | A         | Thirty degrees(30°)     |
| B                                | Two(2)                               |           | Sixty degrees(60°)      |
| C                                | Two(2)                               |           | Ninety degrees(90°)     |
| D                                | Two(2)                               | β         | 135 degrees(135°)       |
| E                                | Two(2)                               |           | 145 degrees(145°)       |
| F                                | Two(2)                               |           | 155 degrees(155°)       |
| J                                | Two(2)                               | Y         | Forty-five degrees(45°) |
| K                                | Two(2)                               |           | Seventy degrees(70°)    |
| L                                | Two(2)                               |           | 80 degrees(80°)         |

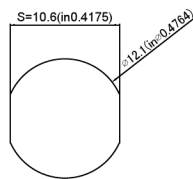
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20% | ±0.25% |         |       |



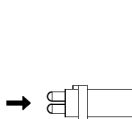
|    | A     | N    | L    | E     | M     | S1     | S2    |
|----|-------|------|------|-------|-------|--------|-------|
| MM | φ16   | 19.5 | 22.9 | M12*1 | 3.5   | 10.5   | 14    |
| in | φ0.63 | 0.77 | 0.90 |       | 0.138 | 0.4134 | 0.551 |



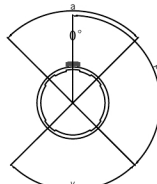
Pcb plate opening size  
(PCB板开孔尺寸)



Panel hole size  
(面板开孔尺寸)



Boarded mother adhesive core  
(板接型母胶芯)



Positive view of the socket  
(插座正视图)

|                                 |                 |
|---------------------------------|-----------------|
| Model(型号)                       | ZCG.1B.P10.C.LN |
| Positioning pin(定位销)            |                 |
| Series(系列)                      |                 |
| Needle core configuration(针芯配置) |                 |
| Outer casing(外壳)                |                 |
| Insulator(绝缘体)                  |                 |
| Needle core(针芯)                 |                 |

|                                  |  |          |  |                                      |          |                                    |
|----------------------------------|--|----------|--|--------------------------------------|----------|------------------------------------|
| DESIGNED (设计)                    |  | DATE(日期) |  | SCALE(比例)                            | N/A(不适用) | MODEL TYPE<br>型号类型: ZCG.1B.P10.CLN |
| CHECKED (校对)                     |  | DATE(日期) |  | VIEW(视图)                             | ⊕        | PART NO. 1B10 core socket          |
| APPROVED (审核)                    |  | DATE(日期) |  | UNIT(单位)                             | MM       | 名称: 1B10芯插座                        |
| REVISIONS                        |  |          |  | MATERIAL (材料)                        |          | DWG NO.:                           |
| www.helloxkb.com www.helloxkb.cn |  |          |  | XKB INDUSTRIAL PRECISION CO.,LIMITED |          | WEIGHT(重量) SHEET(页) REVISION(修订)   |
|                                  |  |          |  |                                      |          | 1/1 A0                             |