

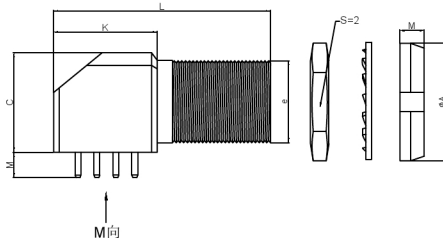
### 1.View and size(视图及尺寸)

| 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)          | 600V                                                                             |
| 6.Working Voltage (工作电压)          | 500V                                                                             |
| 7.Rated Current (额定电流)            | 1.5A                                                                             |
| 8.Shell material(壳体材质)            | Brass (chromium plating)/(nickel plating) fixation ring/<br>黄铜 (镀铬) /(镀镍)<br>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                                                                              |

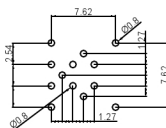
| Sum up(总结)                         |                                                                                                                                         |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Series(系列)</b>                  | <b>B</b>                                                                                                                                |
| <b>Shell style/model</b> (外壳样式/型号) | 2X/2 Elbow receptacle for printed circuit with two pins (solder or screw fixing, back panel mounting) / 带两个螺柱的印刷电路板插头插座。<br>塑料壳固定型，背板安装 |
| <b>Button</b> (按键)                 | <b>A</b> button(一个按键)                                                                                                                   |
| Termination type (终止类型)            | <b>Female print 90° PCB</b> (印刷90° PCB)                                                                                                 |
| Line diameter awg(线材直径)            | 22AWG-30AWG                                                                                                                             |
| Line diameterφ(电缆直径)               | 0-0                                                                                                                                     |
| <b>Match plug</b> (匹配插头)           | <b>TGG.0B.P09.CLAD52H</b>                                                                                                               |

| Location pin combination (定位销组合) |                                           |                |                            |
|----------------------------------|-------------------------------------------|----------------|----------------------------|
| (编号)<br>Number                   | Number of<br>positioning pins (定<br>位销数量) | Angle (角<br>度) | Series (系列)→DB             |
| G                                | One(1)                                    | A              | (Zero degrees)0°           |
| A                                | Two(2)                                    |                | 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)                                    |                | Forty-five<br>degrees(45°) |
| K                                | Two(2)                                    | γ              | Seventy degrees(70°)       |
| L                                | Two(2)                                    |                | 80 degrees(80°)            |

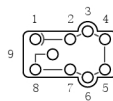
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



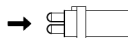
|    |        |        |        |      |        |       |        |        |
|----|--------|--------|--------|------|--------|-------|--------|--------|
|    | A      | L      | K      | C    | e      | M     | H      | S2     |
| MM | 12     | 25.0   | 13.3   | 12.7 | M9°0.6 | 3.2   | 2.5    | 11     |
| in | 0.4725 | 0.9843 | 0.5236 | 0.5  |        | 0.126 | 0.0985 | 0.4331 |



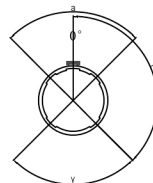
Pcb plate opening size  
(PCB板开孔尺寸)



M-directional layout  
(M向排版位)



Boarded mother adhesive core  
(板接型母胶芯)



Positive view of the socket  
(插座正视图)

Diagram illustrating the pin assignment for the ZX G.0B.P09.H.L.N connector. The pins are numbered 1 through 9. The assignments are:

- Pin 1: Model (型号)
- Pin 2: Positioning pin (定位销)
- Pin 3: Series (系列)
- Pin 4: Needle core configuration (针芯配置)
- Pin 5: Outer casing (外壳)
- Pin 6: Insulator (绝缘体)
- Pin 7: Needle core (针芯)
- Pin 8: (blank)
- Pin 9: (blank)

|                                  |           |                                      |                                                                                     |                                                 |
|----------------------------------|-----------|--------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------|
| DESIGNED (设计)                    | DATE (日期) | SCALE (比例)                           | N/A (不适用)                                                                           | MODEL TYPE<br>型号类型: XZG.08.P09.HLN              |
| CHECKED (校对)                     | DATE (日期) | VIEW (视图)                            |  | PART NO. 0B9-core socket<br>名称: 0B9之插座          |
| APPROVED (审核)                    | DATE (日期) | UNIT (单位)                            | MM                                                                                  | DWG NO.:                                        |
| REVISIONS                        |           | MATERIAL (材料)                        |                                                                                     |                                                 |
| www.helloxkb.com www.helloxkb.cn |           | XKB INDUSTRIAL PRECISION CO.,LIMITED |                                                                                     | WEIGHT (重量) SHEET (张数) REVISION (修订)<br>1/1 1 0 |