

## 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 °C                                                                                                        |
| 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)        | 800V                                                                                                               |
| 6.Working Voltage (工作电压)        | 1250V                                                                                                              |
| 7.Rated Current (额定电流)          | 1.5A                                                                                                               |
| 8.Shell material(壳体材质)          | Brass (chromium plating) shell and chuck nut/( nickel plating) pin sleeve and middleware/黄铜(镀铬)外壳和夹头螺母/(镀镍)插销套和中间件 |
| 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                                                                                                                |

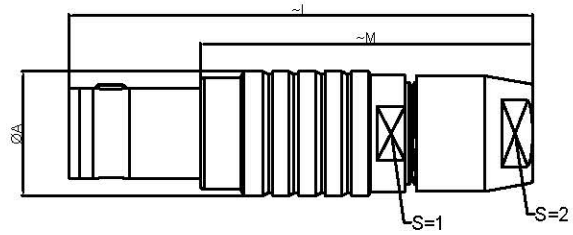
### Sum up(总结)

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Series(系列)                  | B                                                           |
| Shell style/model (外壳样式/型号) | TFG: Straight plug, non-latching, cable collet /直塞、非锁套、电缆夹头 |
| Button (按键)                 | A button(一个按键)                                              |
| Termination type (终止类型)     | Male solder(公焊锡)                                            |
| Line diameter awg(线材直径)     | 34~28AWG                                                    |
| Cable diameterφ (电缆直径)      | φ6.3-7.2MM                                                  |
| Matching parts(配件)          | ZGG.1B.P16.CLL                                              |

### Location pin combination(定位销组合)

| (编号)<br>Numder | Number of<br>positioning pins(定<br>位销数量) | Angle(<br>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)                                   | γ             | Forty-five degrees(45°) |
| K              | Two(2)                                   |               | Seventy degrees(70°)    |
| L              | Two(2)                                   |               | 80 degrees(80°)         |

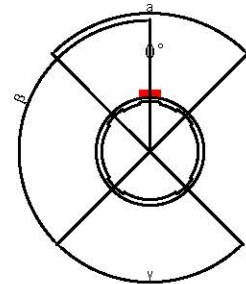
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A      | L      | M      | S1     | S2     |
|----|--------|--------|--------|--------|--------|
| MM | φ12    | 43     | 32     | 10.0   | 9      |
| in | 0.4725 | 1.6929 | 1.2598 | 0.3937 | 0.3543 |



Welded surface  
(焊接面)



Positive view  
(正视图)



Solder core  
(焊锡型公胶芯)

TF G. 1B. P16.C L A D 72

Model(型号)

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)

Type of clamp(线夹类型)

Cable diameter(电缆直径)

|                                  |  |          |  |                                      |          |                                        |
|----------------------------------|--|----------|--|--------------------------------------|----------|----------------------------------------|
| DESIGNED(设计)                     |  | DATE(日期) |  | SCALE(比例)                            | N/A(不适用) | MODEL TYPE                             |
| CHECKED(校对)                      |  | DATE(日期) |  | VIEW(视图)                             |          | 型号类型: TFG.1B.P16.CLAD72                |
| APPROVED(审核)                     |  | DATE(日期) |  | UNIT(单位)                             | MM       | PART NO. 1B16-core plug<br>名称: 1B16芯插头 |
| REVISIONS                        |  |          |  | MATERIAL (材料)                        |          | DWG NO.:                               |
| www.helloxkb.com www.helloxkb.cn |  |          |  | XKB INDUSTRIAL PRECISION CO.,LIMITED |          | WEIGHT(重量)                             |
|                                  |  |          |  |                                      |          | SHEET(张)                               |
|                                  |  |          |  |                                      |          | REVISION(修订)                           |
|                                  |  |          |  |                                      |          | 1/1                                    |
|                                  |  |          |  |                                      |          | A0                                     |