

# 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)        | 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                                                                                                               |

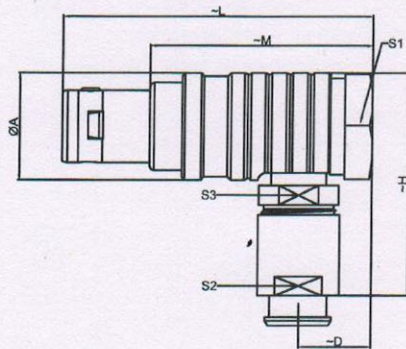
## Sum up(总结)

|                             |                                      |
|-----------------------------|--------------------------------------|
| Series(系列)                  | B                                    |
| Shell style/model (外壳样式/型号) | THG: Elbow plug, cable collet/电缆夹头弯头 |
| Button (按键)                 | A button(一个按键)                       |
| Termination type (终止类型)     | Male solder(公焊接)                     |
| Line diameter awg(线材直径)     | 34-28AWG                             |
| Cable diameterΦ (电缆直径)      | Φ2.3-7.2MM                           |
| Matching parts(配件)          | ZGG.1B.P16.CLL                       |

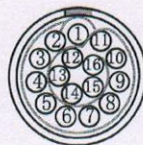
## Location pin combination(定位销组合)

| (编号)<br>Number | 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)                               | γ         | Forty-five degrees(45°) |
| K              | Two(2)                               |           | Seventy degrees(70°)    |
| L              | Two(2)                               |           | 80 degrees(80°)         |

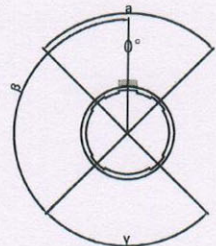
|        | A      | B      | C√     | ANGLE   |       |
|--------|--------|--------|--------|---------|-------|
| 5-10   | ±0.02  | ±0.05  | ±0.1   | 0°-30°  | ±0.1° |
| 50-100 | ±0.1   | ±0.15  | ±0.2   | 61°-90° | ±0.5° |
| 50-100 | ±0.15  | ±0.2   | ±0.25  |         |       |
| 100-   | ±0.15% | ±0.20%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



|    | A      | D     | H      | L      | M      | S1     | S2     | S3     |
|----|--------|-------|--------|--------|--------|--------|--------|--------|
| MM | 13.5   | 8     | 29.5   | 36.0   | 25     | 11     | 9      | 10     |
| in | 0.5315 | 0.315 | 1.1614 | 1.4173 | 0.9843 | 0.4331 | 0.3543 | 0.3937 |



Welded surface  
(焊接面)



Positive view  
(正视图)



Solder core  
(焊接型胶芯)

TH G. 1B. P16.C L A D 52 H

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)

SH means a sheath type, not a cover type.

(H表示护套型, 不表示为不带护套型)

|                                       |           |            |           |                                         |
|---------------------------------------|-----------|------------|-----------|-----------------------------------------|
| DESIGNED (设计)                         | DATE (日期) | SCALE (比例) | N/A (不适用) | MODEL TYPE<br>型号类型: THG.1B.P16.CLAD.52H |
| CHECKED (校对)                          | DATE (日期) | VIEW (视图)  |           | PART NO. 1B16-core plug                 |
| APPROVED (审核)                         | DATE (日期) | UNIT (单位)  | MM        | 名称: 1B16芯插头                             |
| REVISIONS                             |           |            |           | DWG NO.:                                |
| www.helloxkb.com www.helloxkb.cn      |           |            |           | WEIGHT (重量)                             |
| XKB INDUSTRIAL PRECISION CO., LIMITED |           |            |           | SHEET (张)                               |
|                                       |           |            |           | REVISION (修订)                           |
|                                       |           |            |           | 1/1                                     |
|                                       |           |            |           | A0                                      |