

|     |     |             |      |          |
|-----|-----|-------------|------|----------|
| ECN | REV | DESCRIPTION | DATE | APPROVED |
|     |     |             |      |          |

### 1) 2B系列推拉自锁连接器简介

2B series connectors provide the following main features:

- security of the Push-Pull self-latching system -multipole types 2 to 32 contacts
- solder, crimp or print contacts (straight or elbow) -high packing density for space savings
- multiple key options to avoid cross mating -keying system (<<key standard)>> of similar connectors for connector alignment
- 360° screening for full EMC shielding.

### 2) 技术特性/Technical Characteristics

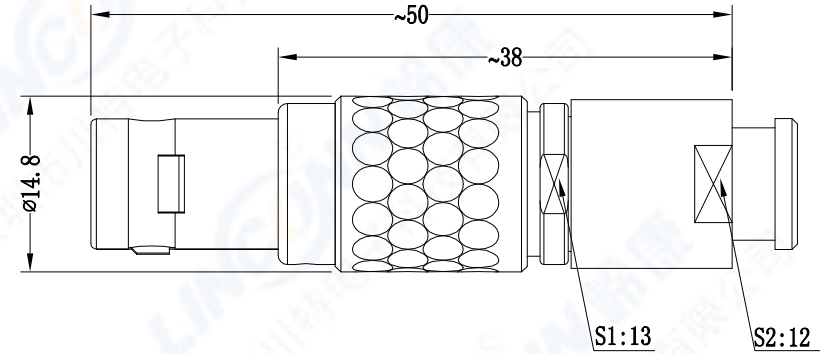
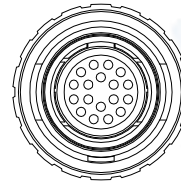
使用环境/Environment: 室内/Indoor

接口密封/Ingress protection: IP50

温度等级/Rated Temperature: -25° ,+150°

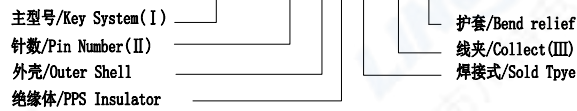
寿命/Durability: >500 mate/unmate cycles

盐雾/Corrosion Resistance: Salt spray test>144h



### 3) 编码原则/Part Number

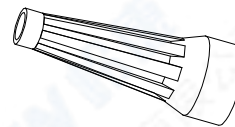
插头/Plug TLTGG 2B 318 C L A D52 Z



### 4) 编码说明/Part number example

定位销/Key System (I)

| KEY LAYOUT | 键位/Key Type | G     | A     | B     | C     | D     | E     | F     | J     | K     | L     |
|------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
|            | 键位/Key      | 1     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     |
|            | 外壳型号/Type   | TLTGG | TLTGA | TLTGB | TLTGC | TLTGD | TLTGE | TLTGF | TLTGJ | TLTJK | TLTGL |
|            | 角度/Angle    | 0°    | 30°   | 45°   | 60°   | 95°   | 120°  | 145°  | 37.5° | 52.5° | 70°   |
|            |             | /     | α     |       |       | γ     | β     |       | α     |       | γ     |



护套/Bend relief  
SCALE 1:2

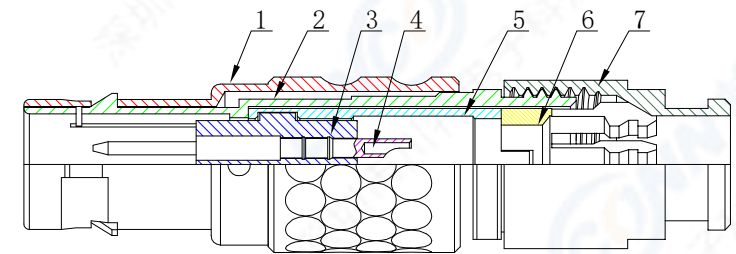
### 针数/Pin Number (II)

| 系列/Series           | 302   | 303   | 304   | 305   | 306   | 307   | 308   | 310   | 312   |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 孔位排列/Pin Number     |       |       |       |       |       |       |       |       |       |
| 导体直径/Pin size       | 2.0mm | 1.6mm | 1.3mm | 1.3mm | 1.3mm | 1.3mm | 0.9mm | 0.9mm | 0.7mm |
| 适配线缆/Conductor size | 14AWG | 16AWG | 20AWG | 20AWG | 20AWG | 20AWG | 22AWG | 22AWG | 22AWG |
| 额定电流/Rated current  | 25A   | 17.0A | 15.0A | 14.0A | 12.0A | 11.0A | 10.0A | 8.0A  | 7.0A  |

| 系列/Series           | 314   | 316   | 318   | 319   | 326   | 332   |
|---------------------|-------|-------|-------|-------|-------|-------|
| 孔位排列/Pin Number     |       |       |       |       |       |       |
| 导体直径/Pin size       | 0.7mm | 0.7mm | 0.7mm | 0.7mm | 0.5mm | 0.5mm |
| 适配线缆/Conductor size | 22AWG | 22AWG | 22AWG | 22AWG | 28AWG | 28AWG |
| 额定电流/Rated current  | 6.5A  | 6.0A  | 5.5A  | 5.0A  | 2.0A  | 1.5A  |

### 线夹护套/Collect (III)

| 线夹代号/code       | 42      | 52      | 62      | 72      | 82      | 92      |
|-----------------|---------|---------|---------|---------|---------|---------|
| 线径/Cable OD     | 3.5-4.0 | 4.1-5.0 | 5.1-6.0 | 6.1-7.0 | 7.1-8.0 | 8.1-9.0 |
| 线夹/Collect Size | 4.2mm   | 5.2mm   | 6.2mm   | 7.2mm   | 8.2mm   | 9.2mm   |



|         |  |
|---------|--|
| 7       | 尾螺帽/Collect Nut: 黄铜镀铬/Brass, Chrome plated       |
| 6       | 线夹/Collect: 黄铜镀镍/Brass, Nickel plated            |
| 5       | 固定片/Insulator Carrier: 黄铜镀镍/Brass, Nickel plated |
| 4       | 公针芯/Pin: 黄铜镀金/Brass, Gold plated, 24AWG          |
| 3       | 绝缘体/Insulator: PPS                               |
| 2       | 锁定套筒/Latch Sleeve: 黄铜镀镍/Copper, Nickel plated    |
| 1       | 外壳/Outer Shell: 黄铜镀铬/Brass, Chrome plated        |
| 序号 ITEM | 名称 & 规格/Name & DESCRIPTION                       |

| SCALE   |           | TOLERANCES ARE: |            |
|---------|-----------|-----------------|------------|
| F       |           | DECIMALES       | ANGLES     |
| SHEET   | DIMENSION | $x \pm$         | $\pm$      |
| 1 OF 2  | MM        |                 |            |
| DWG NO. | REV.      | APPROVALS       | DATE       |
| TLTGG2B | A0        | APPROVED:       |            |
|         |           | CHECKED:        |            |
|         |           | CHECKED:        |            |
|         |           | DRAWN: pengsen  | 26/02/2020 |

|   |                    |        |
|---|--------------------|--------|
| TITLE:                                    | 插头/Plug            |        |
| PART NO.                                  | TLTGG 2B 318 CLADZ | REV. * |
| <b>LINCONN</b> Linconn Elec Tech Co., LTD |                    |        |