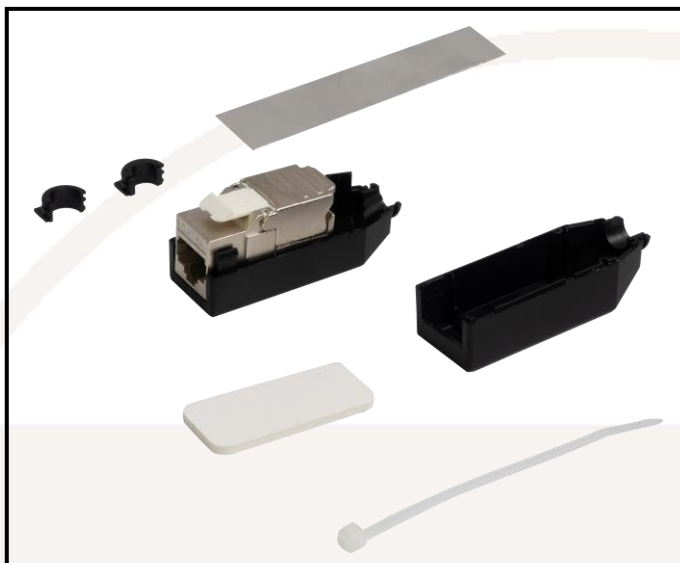


## **Category 6A inline RJ45 socket**



POE+ Compliant

### **Category 6A inline RJ45 socket (SGIL)**

This inline socket can be terminated in a couple of minutes with a high-quality connection. Meets all performance requirements for an RJ45 socket up to Category 6A. Termination is by way toolless IDC's and 'butterfly' levers. The socket assembly is packaged in a convenient and compact snap-together housing. Straightforward termination for production lines or in the field. High performance extension leads, and adaptors can be made quickly and at a competitive cost.

#### **Features:**

- Category 6A ANSI/TIA-568-B.2-1 performance at component level (ETL approved)
- Toolless termination with 'butterfly' levers is quick and easy
- Compact housing (52.5 x 20 x 25 mm, plus grommet)
- Excellent cable retention - cable tie supplied
- Supplied with instruction leaflet for standard wiring versions
- Supplied with foil, to maintain shielding, and adhesive pad, for semi-permanent installations
- Suitable for cable OD 5.5 – 8mm (by use of different sized 'S' or 'L' grommets)

#### **Specifications:**

- Net weight (including primary packaging): 32 g
- Dimensions: 58 x 20 x 26 mm
- Colour: Silver FTP connector with black housing (also available in white or grey, to order)
- Materials:
  - Contacts: 50  $\mu$ "/1.27  $\mu$ m gold plating over nickel, over phosphor bronze
- Socket and housing material are UL rated

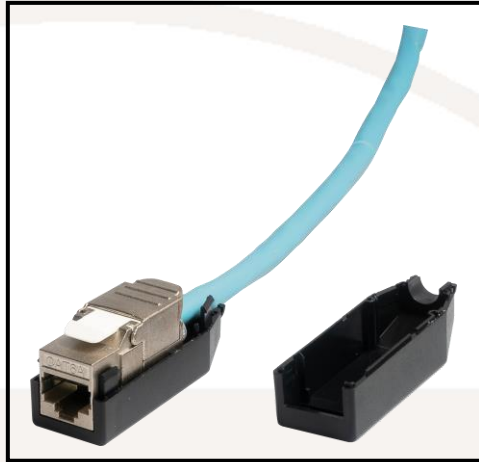
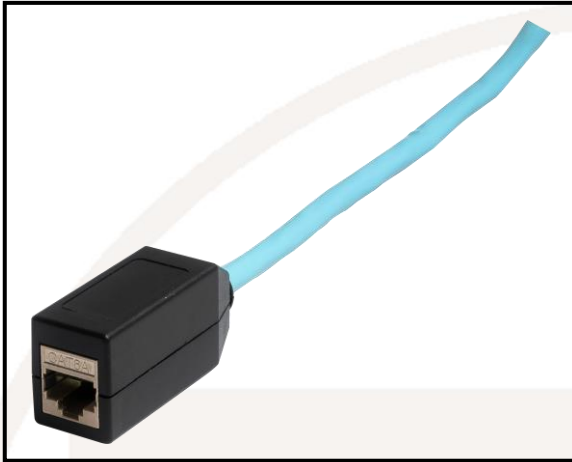
**Packaging:** In individual poly bags then in bags of 20

**Commodity code:** 5055386508010

**EAN:** 85177090

**Country of Origin:** China

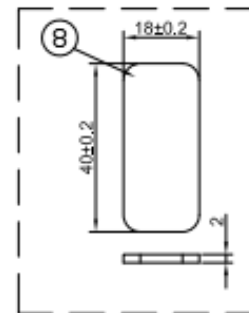
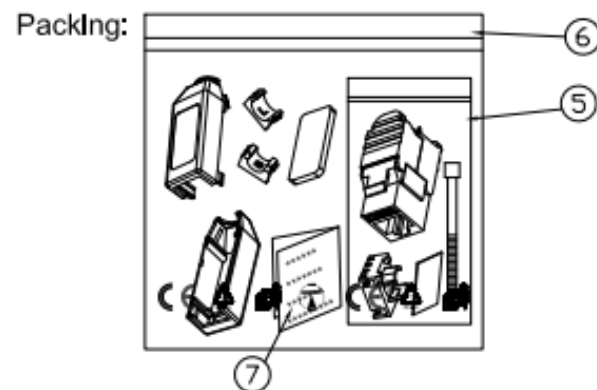
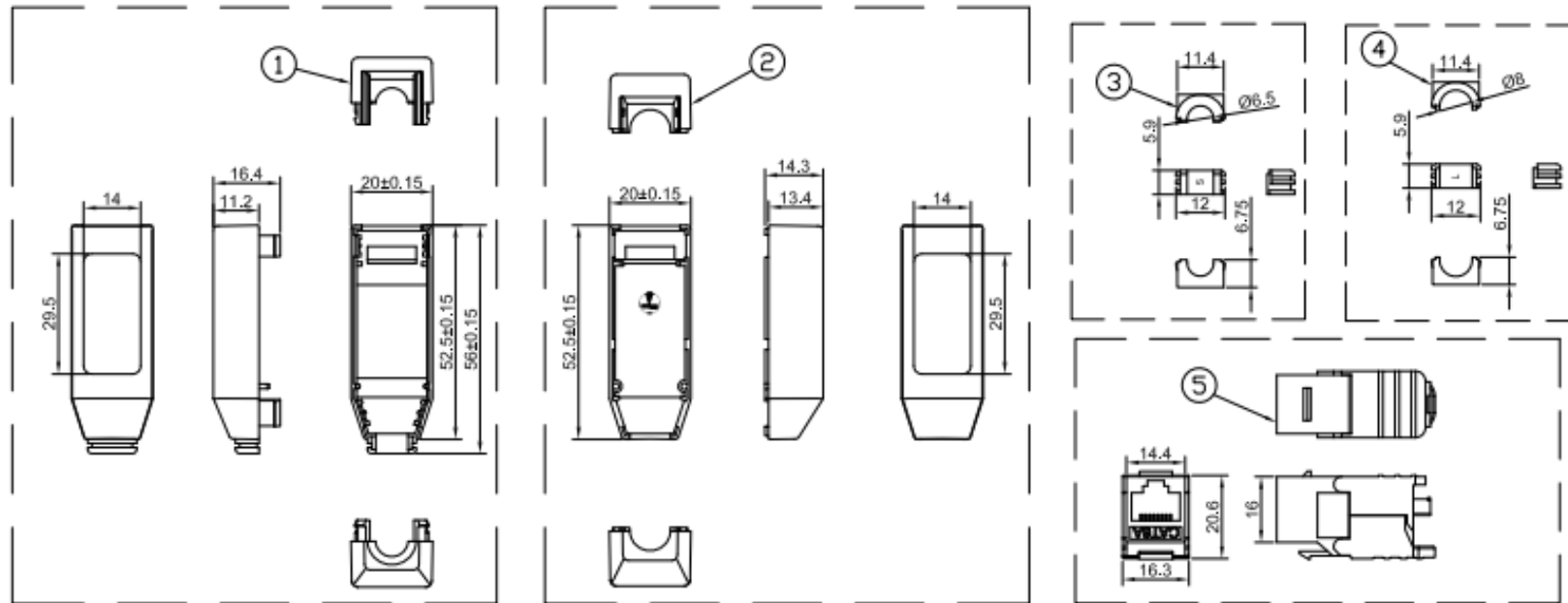
**Illustrative shots:**



04/07/2022

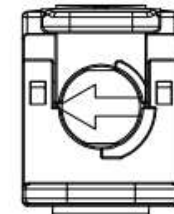
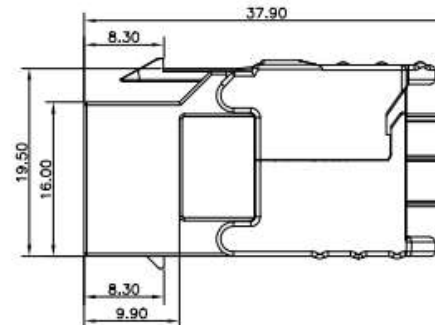
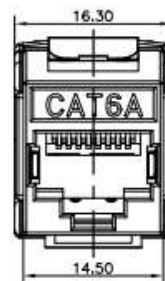
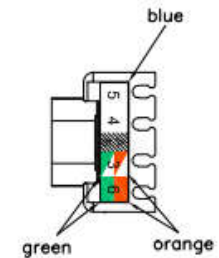
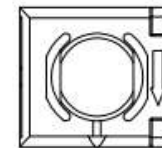
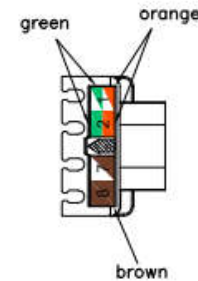
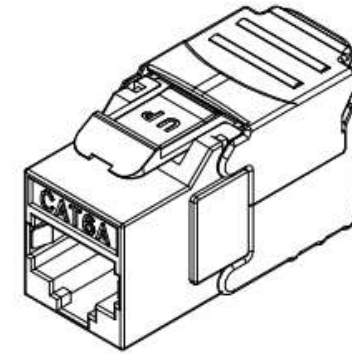
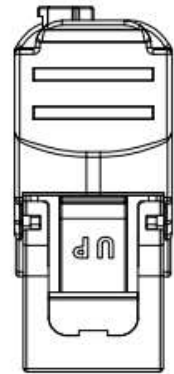
ROHS Compliant

Code: SGIL



ROHS Compliant

Code: SGIL (part)



**NOTES:**

**ELECTRICAL:**

1. VOLTAGE RATING: 125 VAC RMS.
2. CURRENT RATING: 1.5 AMP.
3. CONTACT RESISTANCE: 100 MILLIOHMS MAX.
4. INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 500 VDC.
5. DIELECTRIC STRENGTH: 750 VAC RMS 60Hz, 1MIN.
6. C6A CONNECTING HARDWARE:  
CONFORM TO ANSI/TIA-568.2-D

**ENVIRONMENTAL:**

1. STORAGE: -40°C TO +85°C.
  2. OPERATION: -40°C TO +85°C.
- MATES WITH MODULAR PLUG CONFORMING TO TIA-1096-A.

**MECHANICAL:**

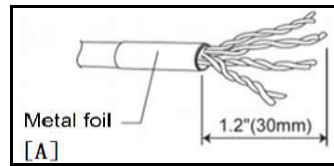
1. HOUSING MATERIAL: ZINC ALLOY, WITH NICKEL PLATING
2. INSERT & COVER MATERIAL: PC UL94V-0
3. PCB MATERIAL: FR-4
4. CONTACT MATERIAL: PHOSPHOR BRONZE
5. IDC CONTACT MATERIAL: PHOSPHOR BRONZE WITH NICKEL PLATING
6. WIRE : #22~24AWG

## RJ45 (Category 6A) In-line Socket

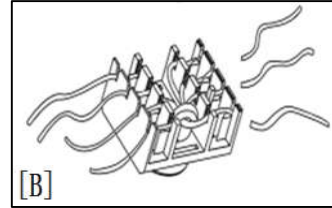
Contents: Keystone Socket (including wiring cap, metal foil and cable tie), housing (lid and base), half-grommet (2 sizes) and self-adhesive pad

### Assembly Guide:

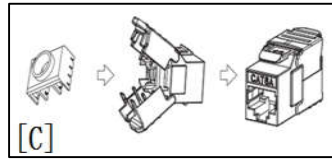
(1) Insert cable through wiring cap. Strip off 30mm of cable jacket, fold back braid or earth wire and use metal foil to wrap around cable. [A]



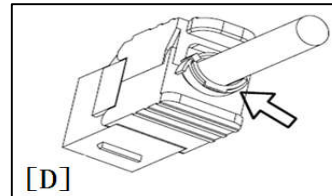
(2) Remove foil from each pair. Follow the colours on the wiring cap and load wires. Trim flush excess wire. [B]



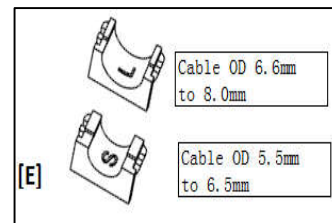
(3) Insert the loaded wiring cap into the keystone socket, ensuring the arrows face the same direction. Evenly press the 'wings' together [C]



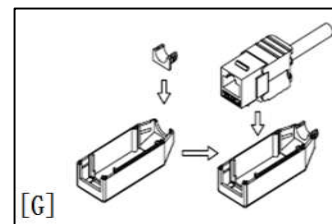
(4) Apply the cable tie and ensure the keystone is shut [D]



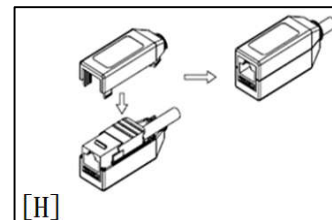
(5) Choose the correct size of the grommet for your cable, S or L. [E]



(6) Position the grommet into the base of the housing, followed by the keystone jack cable assembly. [G]



(7) Press down the cover of the housing and complete the whole assembly. [H]



Also suitable for Cat 5e and Cat 6 FTP assemblies. Socket is ETL certified compliant with Cat 6A at component level

