

CAT 8 STP TOOL-LESS KEYSTONE JACK

Description

RFI Cat 8 Shielded Tool-less Jack high-density design for 1U-24/48 port keystone panel, extreme performance design for Hyper-Scale and Edge Data Center. Easy and Tool-Free in field termination, T568A & B wiring. Power over HDBaseT (PoH) applications up to 100 watts.

Application

- 25Gbps/40 Gbps Ethernet application

Features

- 180° short and slim profile
- Robust die-cast housing
- Support both T568A and T568B wiring
- Accept Cat8 22 - 24 AWG Stranded & Solid Wire
- Tool-less using IDC Cap for wire management
- Option for crimping tool termination

Standards

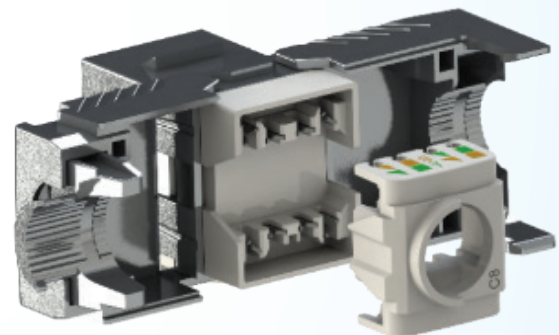
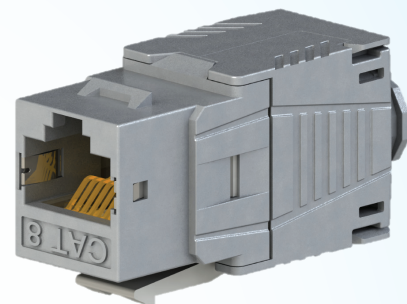
- ANSI / TIA 568.2-D
- ISO / IEC 11801-1
- IEC 60603-7-51
- IEC 60603-7-1
- IEC 60512-99-002
- EN 50173-1
- RoHS / REACH compliance
- IEEE 802.3bt Type 4 POE++ (4PPoE) 100 watts
- ANSI/TIA-1096-A
- UL1863

Mechanical Characteristics

- Life (Mating cycles) ≥ 750 cycles
- Mating / Un-mating force $\leq 30N$
- Retention Strength 7.7kg between Jack and Plug

Electrical Characteristics

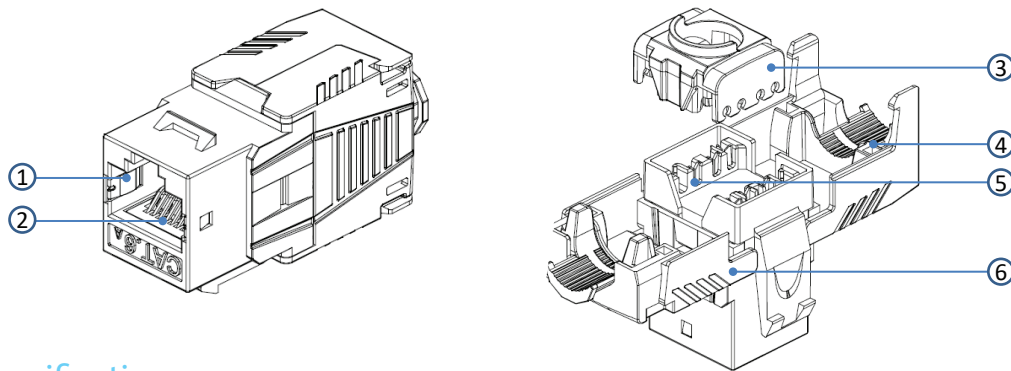
- Constant resistance $\leq 20N\Omega$, from initial
- Insulation resistance $\geq 500 M\Omega$ at 100 Vd.c., for 60sec.
- Voltage proof contact to contact 1000 Vd.c., contact to shield 1500Vd.c., for 60sec.
- Current carrying capacity 1.0A at 60°C (140°F)
- UL voltage rating 150V
- PoE 60Vd.c., IEEE 802.3bt Type 4 PoE++ (4PPoE) 100 watts



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Installation Information

- Wire conductor range Solid and stranded, Cat.6A 23-26AWG or Cat.8 22-24AWG
- Cable OD range 5.0mm to 8.5mm
- IDC re-installing cycles ≥ 20 cycles
- Installing Temperature 0°C to 50°C (32°F to 122°F)
- Storage Temperature -40°C to 70°C (-40°F to 158°F)
- Operating Temperature -10°C to 60°C (14°F to 140°F)
- Humidity 10% to 90% RH



Material Specification

- | | |
|----------------------------------|--|
| 1. Grounding contacts | Stainless Steel |
| 2. RJ45 Jack | |
| 2-1. Housing | Zinc Die-Casting with nickel plating |
| 2-2. Contacts bracket | Polycarbonate, UL94V-2, transparent color |
| 2-3. Contacts material | Zinc Die-Casting with nickel plating |
| 2-4. Contacts gold plating | 50 micro-inch gold plating on surface of plug contact area |
| 3. Wire management cap (IDC-Cap) | Polycarbonate, UL94V-2, white color |
| 4. Grounding block | Zinc Die-Casting with nickel plating |
| 5. IDCs | |
| 5-1. Housing | Polycarbonate, UL94V-2, white color |
| 5-2. Terminals | Phosphor bronze with tin plating |
| 6. Caps | Zinc Die-Casting with nickel plating |
| 7. PCB | UL94V-0 |



Ordering information

Part No.	Description
RJD-80S58F0-00D	Cat 8 180° Tool-less Full Shielded Keystone Jack
RTL-ETCC000-00D	Cat 8 Keystone Jack Termination tool, grey color block