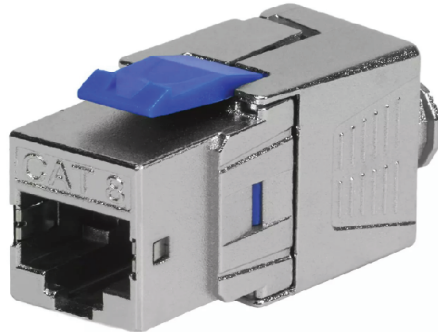


CAT 8 SHIELDED KEYSTONE JACK



DESCRIPTION

Datacom Cat8 keystone shielded jack shall meet or exceed all Category 8 requirements described in ANSI/TIA-568.2 -D, as well as requirements in ISO/IEC 11801-1 Class I. The shielded jack provides superior alien crosstalk (AXT) suppression and protects critical data from potential EMI/RFI (electromagnetic interference/radio frequency interference). The compact casing allows it to fit well into any standard-sized 1U 24 port and 1U 48 port blank metallic patch panels. From luxurious home networks to large hyper-scale data centers, category 8 supports 25/40 GBASE-T networks at 2 GHz and is the future of the high-speed structured cabling system. The jack shall support tool-free termination/re-termination and shall not require a specialized termination tool.

APPLICATION

- Horizontal Distribution and Backbone Cabling.
- 4/16 Mbps Token Ring (IEEE 802.5).
- 10/100/1000/10G BASE-T (IEEE 802.3).
- 155/622 Mbps ATM
- 100 Mbps TP-PMD

DESIGN CONSIDERATIONS

- Recommended for use with Datacom 1RU/24-port and 2RU/48-port shielded patch panels.
- Terminates from 26 to 22 AWG solid or stranded conductor and especially designed to support solid 23 AWG S/FTP Cat 8 cable.
- Recommended for use Datacom Cat8 S/FTP Cable, Cat8 patch panels, and Cat 8 patch cords to support 25/40 Gigabit Ethernet performance.

STANDARDS COMPLIANCE

- ANSI/TIA-568 – C.2-1
- IEC 60603-7 -5
- ISO/IEC TR 11801-9901
- RoHS/REACH
- IEEE 802.3bt PoE: Type 1 (15.4 Watts) formerly 802.3af
- Type 2 (30 Watts) formerly 802.3at, Type 3 (60 Watts)
- Type 4 (90 Watts)
- Cisco UPoE (60 Watts), UPoE+ (90 Watts)
- Power over HDBaseT™ PoH (95 W)

FEATURES

- Fully Shielded body reduces EMI/RF interference.
- Toolless jack design.
- 50-micron gold-plated contacts.
- Universal color-coding according to T568A and T568B.
- IDC termination point at 180° to jack.
- Compatible with a wide range of international faceplates.
- Component level 3P certified
- Shielding provides EMI/RFI protection, signal isolation, and excellent alien crosstalk (AXT) suppression
- Unique design supports tool-free termination/re-termination and requires no specialized termination tool

CAT 8 SHIELDED KEYSTONE JACK

TECHNICAL SPECIFICATIONS

Mechanical Properties

Termination Punch downs, minimum	20 Times
Plug Insertion Life, minimum	750 cycles min
Plug Retention, Force minimum	≤30 N
Pull Force	7.7 kg between Jack and Plug

Environmental specifications

Operating Temperature	-10°C To 60°C
Storage Temperature	-40°C to 70°C
Safety Standard	UL 1863

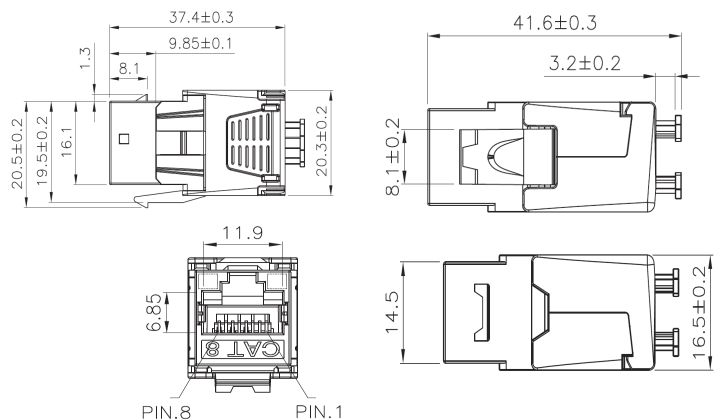
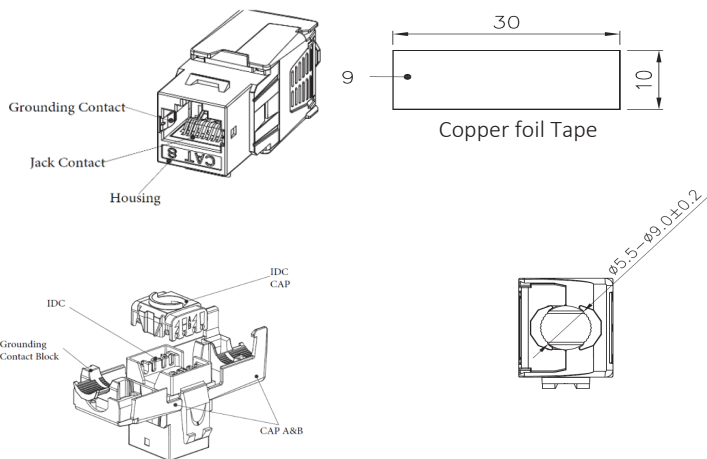
Electrical Characteristics

Modular Jack-(Jack Pin)	60VDC, 1A
110 Contacts (IDC PIN)	60VDC, 1A
Current Rating	2.0A @25°C
Contact Resistance Variation, maximum	20 Times
Voltage Proof, contact-to-shield	1500Vdc, for 60s
Voltage Proof, contact-to-contact	1000Vdc, for 60s
Insulation Resistance, minimum	500MΩ@100Vdc, for 60s
PoE	60 Vdc, IEEE802.3bt TYPE 4 PoE++ (4PPoE) 100W
Safety Voltage Rating	150 V (UL 1863)
Termination Type	IDC
Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801-1 Class Ea
Wiring	T568A & T568B

CONSTRUCTION DETAILS

Body Material	Housing: Zinc die-casting with nickel plated
Dust-Cap Color	White
Contact Base Material	Phosphor Bronze with Nickel plated
Contact Plating Material	50 micro inch gold plated on plug contact area
Material Type	Phosphor Bronze
Termination Contact Plating	Gold
Compatible Conductor Gauge solid & stranded	22-24AWG
Insulation Displacement Contacts	Phosphor bronze with tin plating
Cable OD	5.5mm – 9.0mm
IDC Color	Blue
Insulation Displacement Cap	PC+ glass fiber, UL94V-2, White color
Insulation Displacement Housing	PC, UL94V-2, Blue color

TECHNICAL DRAWINGS



ORDERING INFORMATION

Description

Datacom Cat8 TIA 568D-2 ISO/IEC 11801-1 25/40G Shielded Tool less 180° Keystone Jack

Part No.

DC-CJ8XSNST