Mini-Com® TX6™ PLUS Shielded Jack Modules

SPECIFICATIONS

Category 6/Class E, 8-position, shielded jack module shall terminate 4-pair, 22 AWG - 26 AWG, 100 ohm shielded twisted pair cable and shall not require a punchdown tool. Shielded jack modules shall use a forward motion termination method to optimize performance by maintaining cable pair geometry while eliminating conductor untwist. The termination cap shall be color-coded white to designate Category 6 performance and shall include a universal label coded for T568A and T568B wiring schemes.

TECHNICAL INFORMATION

Category 6/Class E performance:	Exceeds channel requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards at swept frequencies 1 to 250 MHz
	Exceeds component requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards at swept frequencies 1 to 250 MHz
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7 and IEC 60512-99-002
PoE and PoH compliance:	Meets IEEE 802.3af/802.3at and 802.3bt type 3 and type 4. Supports Power over HDBaseT up to 100 watts
c(UL)us Listed:	UL 1863 (Use as communications circuit accessory), CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
RoHS compliance:	Compliant
Conductor termination range:	Standard wire cap compatible with 22 AWG - 26 AWG solid or stranded cable with conductor insulation diameters of 0.06 in. (1.5mm) max and overall cable O.D. 0.2 in. - 0.33 in. (5.1mm - 8.4mm); Marine jack module wire cap compatible with 22 AWG solid or stranded cable with 0.071 in. (1.80mm) maximum insulated conductor outside diameter cable
Operating temperature:	14°F to 167°F (-10°C to 75°C)

KEY FEATURES AND BENEFITS

100% performance tested:	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes enhanced Giga-TX™ Technology:	Optimizes performance by eliminating conductor untwist and reduces installation time and expense
Integral shield:	Provides a 360° conductive path to ground shielded jack module with no additional assembly required
Snap in grounding:	Shield provides seamless bonding of the jack module with Mini-Com All Metal Modular Patch Panels
Modular:	Shielded jack modules snap in and out of all Mini-Com Faceplates, Metal Modular Patch Panels, and Surface Mount Boxes for easy moves, adds, and changes
Individually serialized:	Marked with quality control number for future traceability
Identification:	Can be clearly identified with optional labels and icons for port identification

APPLICATIONS

Mini-Com TX6 PLUS Shielded Jack Modules are a component of the TX6000™ Shielded Copper Cabling System. This end-to-end system is interoperable and backwards compatible, providing design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards, this system is ideal for today's high performance workstation applications. With certified performance to the ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E Standards, these systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

Mini-Com TX6 PLUS Shielded Jack Modules	
Jack module:	CJS688TG*Y
Spring-shuttered jack module:	CJSH688TG**Y
Tools and Accessories	
Jack module termination tool:	EGJT-1 or TGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Clear dust cap:	MDC-C
Grounding kit:	CJSGK-XY
Block out device:	PSL-DCJB^^^+
Phone icons:	CIPIW-C
Data icons:	CID++-C

*Colors: BU (Blue), RD (Red), WH (White), YL (Yellow), GR (Green) or VL (Violet).

**Colors: BU (Blue), RD (Red), YL (Yellow), GR (Green) or VL (Violet)

^^^Colors other than Red: -BL (Black), -BU (Blue), -YL (Yellow), -GR (Green), -OR (Orange), -IW (Off White) or -IG (International Gray)

+Add -C to indicate 100 pieces per bulk pack to reduce single-use plastic

++Colors: WH (White), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange)

Contact customer service for bulk packaged and/or keyed jack modules.

Installing shielded jack modules in Mini-Com All Metal Modular Patch Panels is recommended.

For grounding shielded jack modules not installed in a Mini-Com All Metal Modular Patch Panel, use the shielded jack module grounding kit, part number CJSK-XY.

TAA Compliant

All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

ADDITIONAL SPECIFICATIONS

Mechanical Test	Test Method	Measurement	Typical Test Results
Normal force	ANSI/TIA-1096-A	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/un-mating	IEC 512-13b	Mating Force (N)	<20
		Un-Mating Force (N)	<20
Termination cycles	IEC 352	Number of Cycles	>20
Mating cycles	IEC 60603-7	Number of Plug Insertions	>2500

| Electrical Test	Test Method	Measurement	Typical Test Results
Low level circuit resistance	IEC 512-2a	Resistance (mOhms)	<20
Dielectric withstand voltage	IEC 512-4a	1000 VAC, 1 minute	Passed
Insulation resistance	IEC 512-3a	Resistance (MOhms)	>500

Environmental Test	Test Method	Measurement	Typical Test Results
Temperature life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	<40
Thermal shock	IEC 512-11d	Circuit Resistance (mOhms)	<40
Climatic sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing mixed gas corrosion	IEC 512-11g	Circuit Resistance (mOhms)	<40

ENGINEERING DRAWINGS

Shielded Jack Module

0.74 [18.9]

0.62 [15.9]

1.49 [37.9]
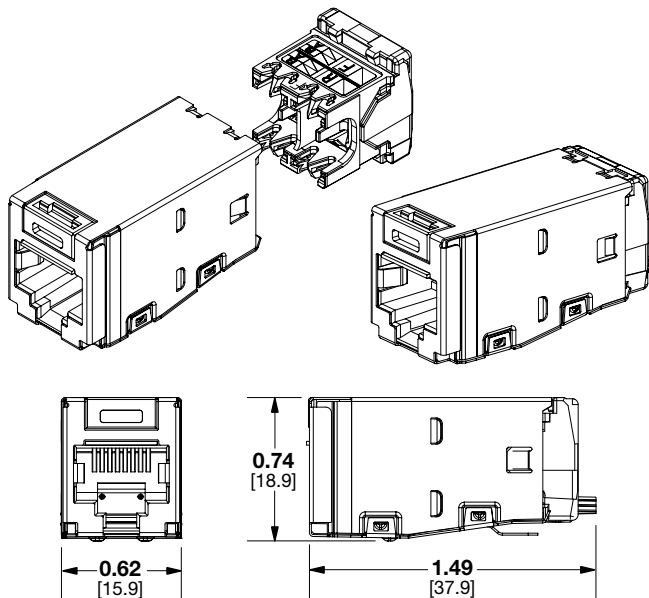
Shielded Spring-shuttered Jack Module

0.74 [18.8]

0.62 [15.9]

1.50 [38.2]
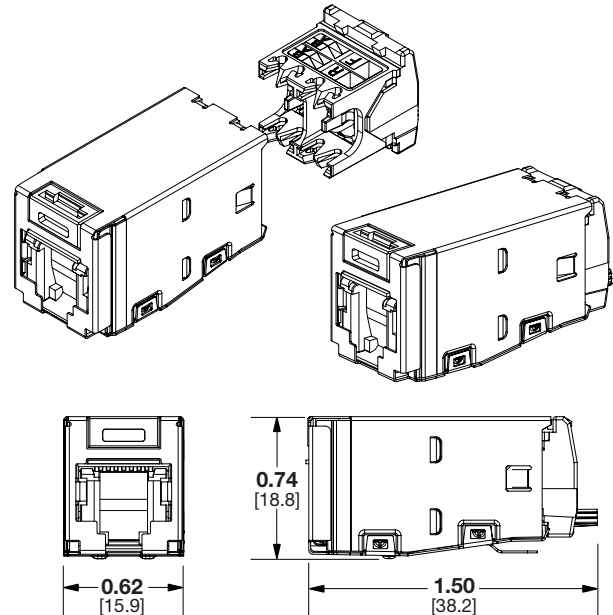
Dimensions are in inches. [Dimensions in brackets are metric].

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