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Mini-Com® TX6™ PLUS Shielded Jack Modules

PANDUIT®
SPECIFICATION SHEET

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.

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ADDITIONAL SPECIFICATIONS

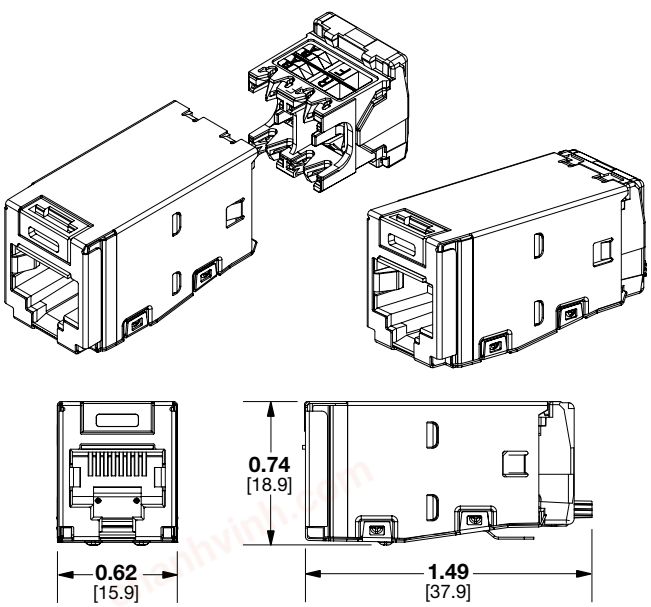
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal force	ANSI/TIA-1096-A	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/un-mating	IEC 512-13b	Mating 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

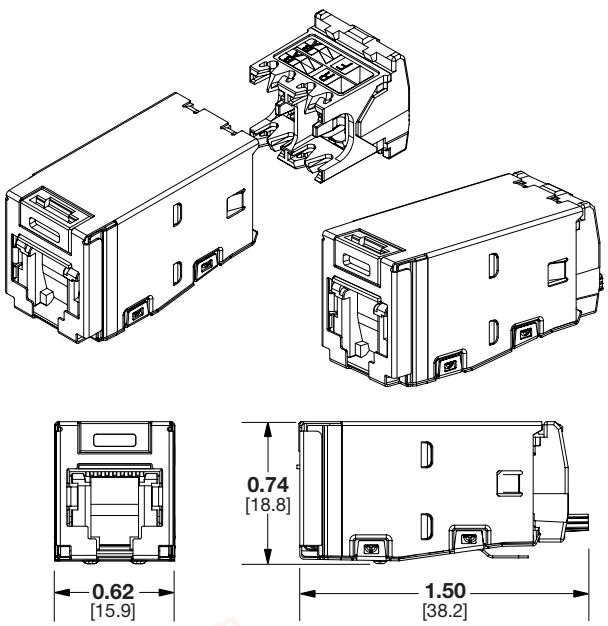
Environmental Test	Test Method	Measurement	Typical Test Results
Temperature life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	<40
Thermal shock	IEC 512-11d	Circuit Resistance (mOhms)	<40
Climatic sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing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

ENGINEERING DRAWINGS

Shielded Jack Module



Shielded Spring-shuttered Jack Module



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

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

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