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Mini-Com® TX6A™ 10Gig™ Shielded Jack Modules

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A/Class E_A, 8-position, shielded jack module shall terminate 4-pair, 22 – 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 blue to designate Category 6A performance and shall include a universal label coded for T568A and T568B wiring schemes. The Mini-Com TX6A 10Gig Shielded Jack Module must be installed as part of the TX6A 10Gig Shielded Copper Cabling System to achieve IEEE 10GBASE-T certified performance.



Mini-Com TX6A 10Gig Shielded Jack Modules	
Jack module:	CJS6X88TG*Y
Spring-shuttered jack module:	CJSH6X88TG**Y
Marine jack module:	CJSM6X88TG
Tools and Accessories	
Jack module termination tool:	EGJT-1 or TGJT
Wire snipping tool:	CWST
Wire snipping 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 other than Black: BU (Blue), RD (Red), WH (White), YL (Yellow), GR (Green) or VL (Violet)

**Colors other than Black: 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 bulk package with 100 pieces per pack to reduce single-use plastic

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

TECHNICAL INFORMATION

Category 6A/Class E_A performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E_A standards swept up to 650 MHz for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the Panduit TX6A 10Gig UTP Copper Cabling System Exceeds component requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E_A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
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 – 26 AWG solid or stranded cable with conductor insulation diameters of 0.06 in. (1.52mm) max and overall cable O.D. 0.2 in. to 0.33 in. (5.08mm to 8.38mm); 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

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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APPLICATIONS

Mini-Com TX6A 10Gig Shielded Jack Modules are a component of the TX6A 10Gig Shielded Copper Cabling System. This end-to-end system provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This shielded system provides high performance, excellent EMI suppression and aids in secure data transmission. This solution helps ensure organizations efficiently and reliably meet their data transmission needs. With certified performance to the ISO 11801 Class E_A, IEEE 802.3an-2006 and ANSI/TIA-568.2-D Category 6A standards, this system will support high bandwidth applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation of Gigabit Ethernet channels, real-time intensive financial transactions, streaming video, animation, scientific modeling and medical imaging.

TEST RESULTS

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)	
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

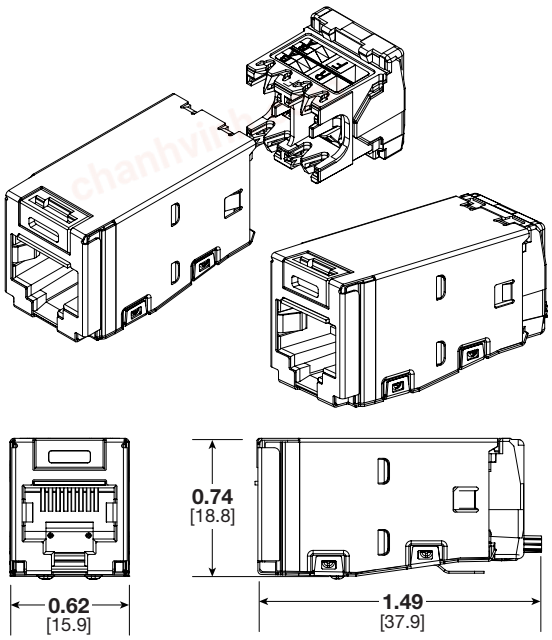
Environmental Test	Test Method	Measurement	Typical Test Results
Temperature life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c		
Thermal shock	IEC 512-11d		
Climatic sequence	IEC 512-11a		
Flowing mixed gas corrosion	IEC 512-11g		

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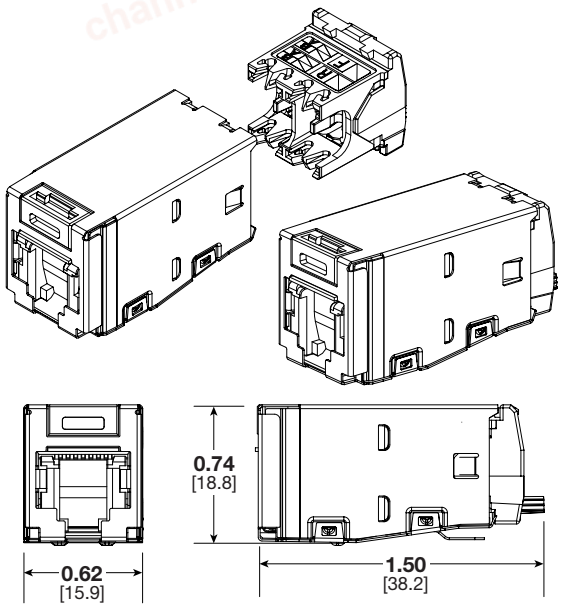
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ENGINEERING DRAWINGS

Shielded Jack Module



Shielded Spring-shuttered Jack Module



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

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