

Mini-Com® TX5e™ Shielded Jack Modules

SPECIFICATIONS

Category 5e/Class D, 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 red to designate Category 5e performance and shall include a universal label coded for T568A and T568B wiring schemes.



TECHNICAL INFORMATION

Category 5e/Class D performance:	Exceeds channel requirements of ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz Exceeds component requirements of ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 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:	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)
Operating temperature:	14° F to 149° F (-10° C to 65° 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
Improved termination cap:	Conductor retention slots simplify jack module termination
Integral shield:	Provides a 360° conductive path to ground shielded jack module with no additional assembly required; 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, All Metal Modular Patch Panels, and Surface Mount Boxes for easy moves, adds, and changes
True strain relief:	Controls cable bend radius for long term installed performance
Individually serialized:	Marked with quality control number for future traceability

APPLICATIONS

Mini-Com TX5e Shielded Jack Modules are a component of the TX5500™ Shielded Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568.2-D Category 5e and ISO 11801 Class D standards, this system will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- Voice/data Systems
- Voice over Internet Protocol (VoIP)

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Jack module:	CJS5E88TGY
Shuttered jack module:	CJSH5E88TGY

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:	CIPW-C
Data icons:	CID++-C

^{^^^}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)



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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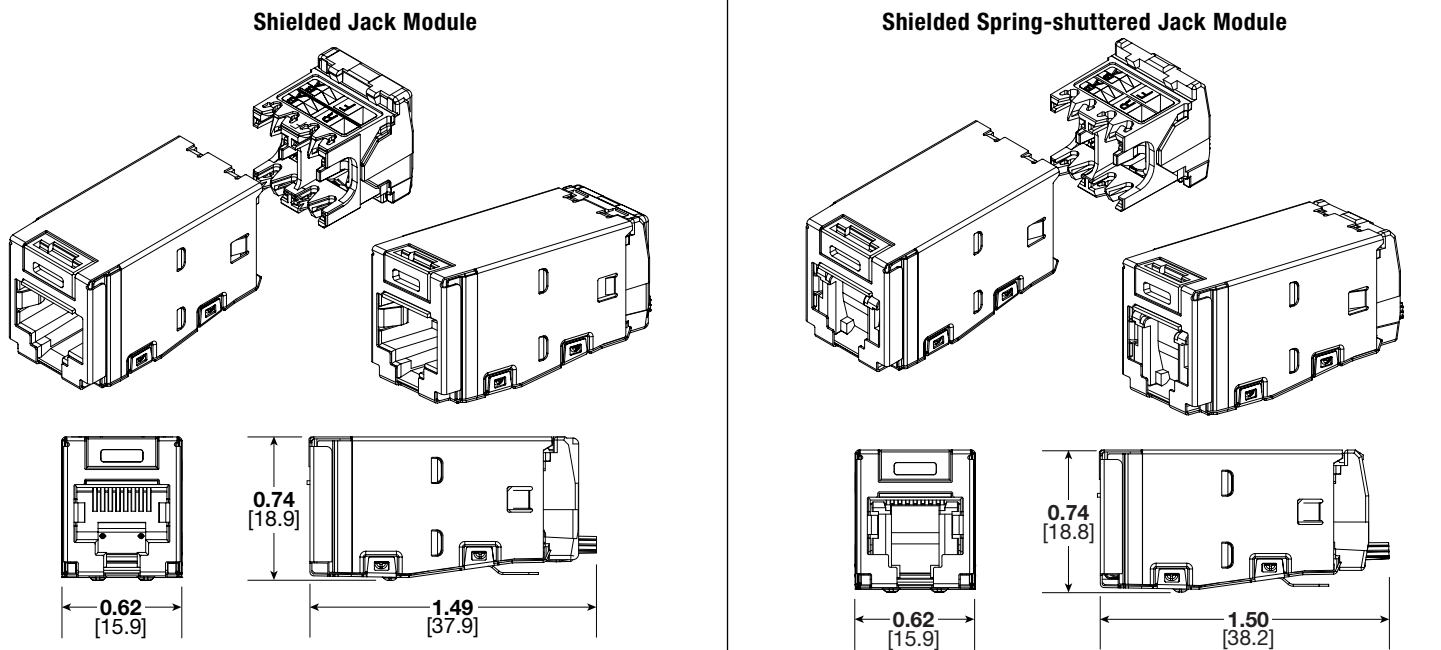
TEST RESULTS

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		

ENGINEERING DRAWINGS



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

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