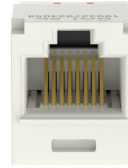


# Mini-Com® TX5e™ UTP Jack Modules

## SPECIFICATIONS

Category 5e/Class D, 8-position, UTP jack module shall terminate 4-pair, 22 – 26 AWG, 100 ohm unshielded twisted pair cable and shall not require a punch-down tool. UTP 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

<b>Category 6/Class E channel and component performance:</b>	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
<b>FCC and ANSI compliance:</b>	Meets ANSI/TIA-1096-A contacts plated with 50 microinches of gold for superior performance
<b>IEC compliance:</b>	Meets IEC 60603-7 and IEC 60512-99-002
<b>RoHS compliance:</b>	Compliant
<b>PoE and PoH compliance:</b>	Meets IEEE 802.3af/802.3at and 802.3bt type 3 and type 4. Supports Power over HDBaseT up to 100 watts
<b>c(UL)us Listed:</b>	UL 1863 (Use as communications circuit accessory); CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
<b>Conductor termination range:</b>	Wire cap compatible with 22 – 26 AWG solid or stranded cable with conductor insulation diameters of 0.06 in. (1.524mm) max and overall cable O.D. 0.2 in. to 0.33 in. (5.08mm to 8.38mm)
<b>Operating temperature:</b>	14° F to 167° F (-10° C to 75° C)

## KEY FEATURES AND BENEFITS

<b>100% Performance tested:</b>	Confidence that each jack module will deliver the critical electrical performance requirements
<b>Utilizes enhanced Giga-TX™ Technology:</b>	Optimizes performance by eliminating conductor untwist and reduces installation time and expense
<b>Modular:</b>	UTP jack modules snap in and out of all Mini-Com Faceplates, Modular Patch Panels and Surface Mount Boxes for easy moves, adds, and changes
<b>True strain relief:</b>	Controls cable bend radius for long-term installed performance
<b>Individually serialized:</b>	Marked with quality control number for future traceability
<b>RJ45 interface:</b>	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible

## APPLICATIONS

Mini-Com TX5e UTP Jack Modules are a component of the TX5500™ UTP 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)

### Mini-Com TX5e UTP Jack Modules

<b>Jack module:</b>	CJ5E88TG*
<b>Shuttered jack module:</b>	CJH5E88TG*

### Tools and Accessories

<b>Jack module termination tool:</b>	EGJT-1 or TGJT
<b>Wire snipping tool:</b>	CWST
<b>Wire stripping tool:</b>	CJAST
<b>Clear dust cap:</b>	MDC-C
<b>Block out device:</b>	PSL-DCJB^^^+
<b>Phone icons:</b>	CIPIW-C
<b>Data icons:</b>	CID++-C

\*Colors other than Off White: EI (Electric Ivory), IG (International Gray), AW (Arctic White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), 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)



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

# Mini-Com® TX5e™ UTP Jack Modules

## TEST RESULTS

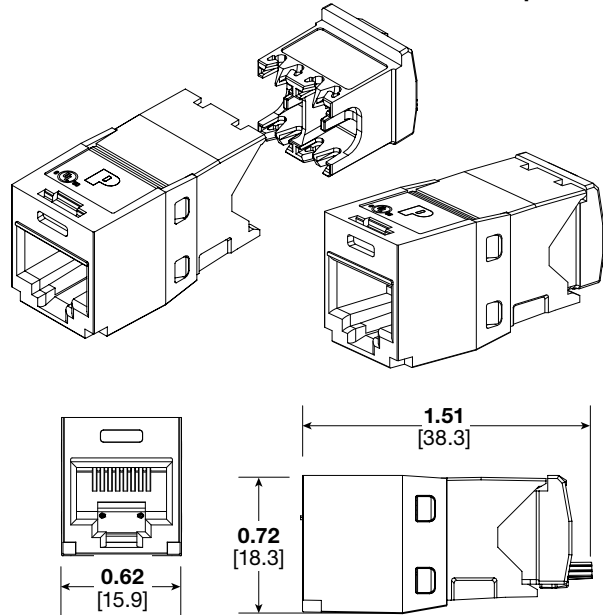
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal force	ANSI/TIA-1096-A	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/un-mating	IEC 512-13b	Mating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

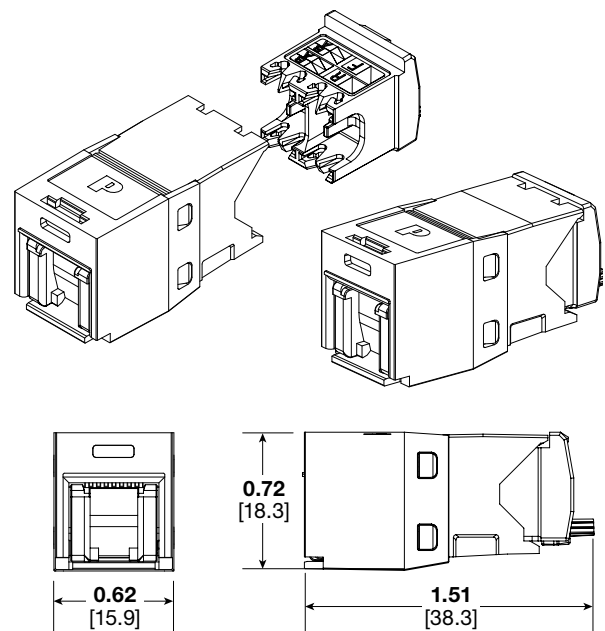
Environmental Test	Test Method	Measurement	Typical Test Results
Temperature life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c	Circuit Resistance (mOhms)	<40
Thermal shock	IEC 512-11d	Circuit Resistance (mOhms)	<40
Climatic sequence	IEC 512-11a	Circuit Resistance (mOhms)	<40
Flowing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

## ENGINEERING DRAWINGS

Jack Module and Standard Wire Cap



Shuttered Jack Module



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

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