

# Mini-Com® Mini-Jack™ TX5e™ UTP Jack Module

## specifications

Category 5e/Class D, 8-position, UTP jack module shall terminate solid, 4-pair, 24 – 22 AWG, 100 ohm unshielded twisted pair cable and shall not require a punchdown tool. UTP jack modules shall use a downward forward motion termination method to optimize performance by maintaining cable pair geometry while eliminating conductor untwist. The module base sled shall be color coded orange to designate Category 5e performance and shall include a universal label coded for T568A and T568B wiring schemes.



## technical information

<b>Category 5e/Class D 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>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>IEC compliance:</b>	Meets IEC 60603-7 and IEC 60512-99-002
<b>RoHS compliance:</b>	Compliant
<b>c(UL)us Listed:</b>	UL 1863 (Use as communications circuit accessory); CSA standard C22.2
<b>Conductor termination range:</b>	Wire cap compatible with 24 – 22 AWG solid cable with conductor insulation diameters of 0.035 in. to 0.048 in. and overall cable O.D. 0.200 in. to 0.250 in.
<b>Operating Temperature:</b>	-10°C to 60°C (14°F to 140°F)

## key features and benefits

<b>Clear termination cap</b>	Enables easy troubleshooting and eases conductor alignment during termination
<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>RJ45 interface</b>	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords
<b>Identification</b>	Can be clearly identified with optional labels and icons for port identification
<b>Termination tools (optional)</b>	CJT-X termination tool ensures conductors are fully terminated by utilizing a smooth forward motion without impact on critical internal components for maximum reliability
<b>Block out device (optional)</b>	Provides a simple and secure method to control access to data ports while not in use

## 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 Module

**Jack Module:** CJ5881WY\*

### Mini-Com Angled Modular Patch Panels

**24-port, 1 RU:** CPPLA24WBLY

**48-port, 2 RU:** CPPLA48WBLY

### Mini-Com Flat Modular Patch Panels

**24-port, 1 RU:** CPPL24WBLY

**48-port, 2 RU:** CPPL48WBLY

For additional modular and punchdown patch panels, visit [www.panduit.com](http://www.panduit.com).

### Tools and Accessories

**Jack module termination tool:** CJT-X

**Wire snipping tool:** CWST

**Jacket stripping tool:** CJUST

**Clear dust cap:** MDC-C

**Block out device:** PSL-DCJB-^^^

**Phone icons:** CIPIW-C

**Data icons:** CIDWH-C+

\*To designate color other than IW (Off White), replace IW suffix with EI (Electric Ivory), IG (International Gray), WH (White), AW (Arctic White), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange), or VL (Violet).

^^^To designate color other than Red, add suffix BL (Black), BU (Blue), YL (Yellow), GR (Green), OR (Orange), IW (Off White) or IG (International Gray) at end of the part number. 10/package.

+To designate color other than WH (White), replace WH with BU (Blue), RD (Red), YL (Yellow), GR (Green), or OR (Orange) in the part number. 100/package.

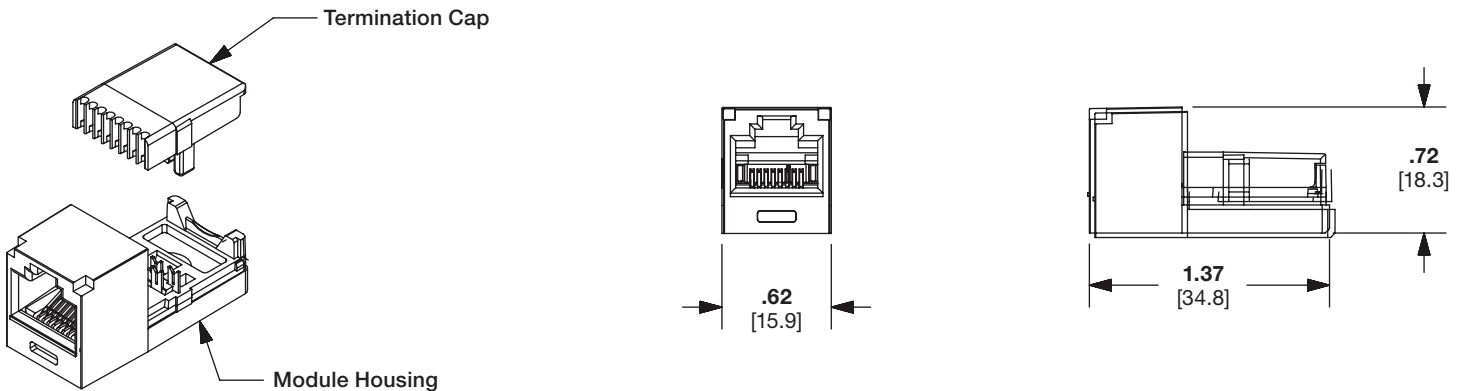
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## test results

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

Electrical Test	Test Method	Measurement	Typical Test Results
<b>Low Level Circuit Resistance</b>	IEC 512-2a	Resistance (mOhms)	< 20
<b>Dielectric withstand Voltage</b>	IEC 512-4a	1000 VAC, 1 minute	Passed
<b>Insulation Resistance</b>	IEC 512-3a	Resistance (MOhms)	> 500

Environmental Test	Test Method	Measurement	Typical Test Results
<b>Temperature Life</b>	IEC 512-9b	Circuit Resistance Change (mOhms)	< 40
<b>Humidity</b>	IEC 512-11c	Circuit Resistance Change (mOhms)	< 40
<b>Thermal Shock</b>	IEC 512-11d	Circuit Resistance Change (mOhms)	< 40
<b>Climatic Sequence</b>	IEC 512-11a	Circuit Resistance Change (mOhms)	< 40
<b>Flowing Mixed Gas Corrosion</b>	IEC 512-11g	Circuit Resistance Change (mOhms)	< 40



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

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