

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

Category 5e/Class D channel and component 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
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
IEC compliance:	Meets IEC 60603-7 and IEC 60512-99-002
RoHS compliance:	Compliant
c(UL)us Listed:	UL 1863 (Use as communications circuit accessory); CSA standard C22.2
Conductor termination range:	Wire cap compatible with 24 – 22 AWG solid cable with conductor insulation diameters of 0.035 in. to 0.048 in. (0.889mm to 1.21mm) and overall cable O.D. 0.200 in. to 0.250 in. (5.08mm to 6.35mm)
Operating Temperature:	14°F to 140°F (-10°C to 60°C)

KEY FEATURES AND BENEFITS

Clear termination cap:	Enables easy troubleshooting and eases conductor alignment during termination
Modular:	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
True strain relief:	Controls cable bend radius for long term installed performance
RJ45 interface:	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords
Termination tools (optional):	CJT-X termination tool ensures conductors are fully terminated by utilizing a smooth forward motion without impact on critical internal components for maximum reliability

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)

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Jack Module: CJ588*Y

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

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: CID+-C

*Colors: IW (Off White), 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)

^^^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)

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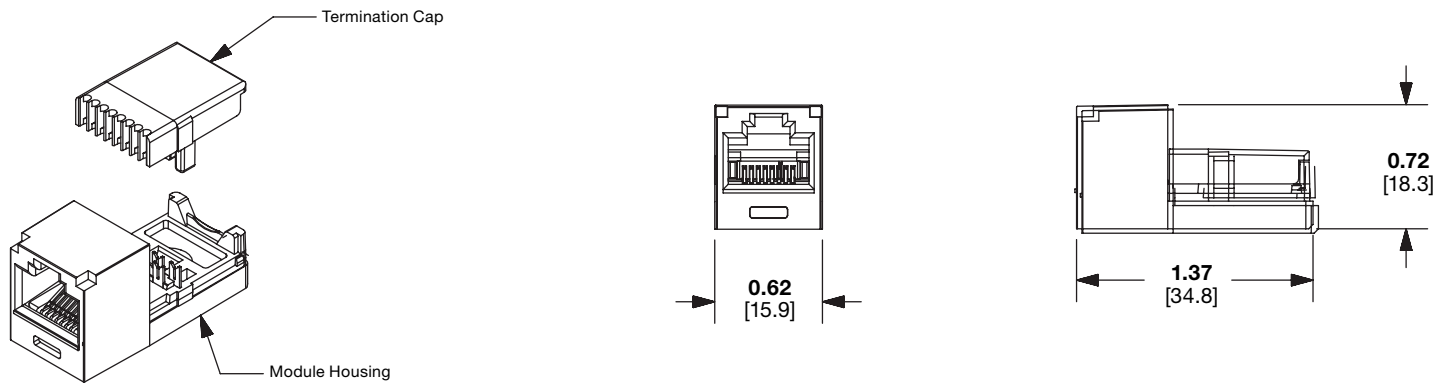
TEST RESULTS

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 (microsecond)	< 5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	< 40
Mating/Unmating	IEC 512-13b	Mating Force (N)	< 20
		Unmating Force (N)	< 20
Termination Cycles	IEC 352	Number of Cycles	> 20
Mating Cycles	IEC 60603-7	Number of plug insertions	> 2500

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

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

ENGINEERING DRAWING



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

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