Mini-Com® TX6™ PLUS Keyed UTP Jack Modules

PANDUIT®
SPECIFICATION SHEET

specifications

Category 6/Class E, 8-position keyed UTP jack modules shall terminate unshielded twisted 4-pair, 22-26 AWG, 100 ohm cable without a punchdown tool. The jack module shall be mechanically keyed with color-specific positive and negative keying features to prevent unintentional mating with unlike keyed or non-keyed adapters. The forward motion termination method shall optimize performance by maintaining cable pair geometry and eliminating conductor untwist. The white termination cap shall be color-coded for T568A and T568B wiring schemes.

technical information

Category 6/Class E channel and component performance:	Exceeds channel requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz Exceeds component requirements of ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 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)
Operating temperature:	-10°C to 75°C (14°F to 167°F)

key features and benefits

Color specific keys with positive and negative keying features	Mechanically and visually distinguish connections to prevent unintentional insertion into unlike keyed or non-keyed ports, visualize network design flexibility and versatility, and accommodate discrete networks
100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes flex technology	Shortens the tuning length of th jack module enabling higher performance
Utilizes enhanced Giga-TX™ Technology	Wire cap optimizes performance by eliminating conductor untwist and reduces installation time and expense, simplifies termination, and maintains conductor twists for reliable and consistent terminations
True strain relief	Controls cable bend radius for long term installed performance
Modular	Jack modules snap in and out of Mini-Com® Faceplates, modular patch panels, and surface mount boxes for easy moves, adds, and changes
Individually serialized	Marked with quality control number for future traceability
Integrated block out feature	Prevents standard RJ45 modular plugs from mating with keyed jack modules

applications

The TX6 PLUS Keyed UTP Jack Modules are part of the TX6 PLUS UTP Copper Cabling System. Keyed connectivity enables visual and mechanical differentiation, and physical layer security that conventional cabling systems cannot provide. Key applications include:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10GBASE-T (limited distances as specified in the industry standards)

Mini-Com TX6 PLUS Keyed UTP Jack Modules	
Keyed A (Black):	CJK688TGBL
Keyed B (Red):	CJK688TGRD
Keyed C (Green):	CJK688TGGR
Keyed D (Yellow):	CJK688TGYL
Keyed E (Orange):	CJK688TGOR
Keyed F (Blue):	CJK688TGBU
TX6 Keyed UTP Patch Cords	
Keyed A (Black):	UTPKSP*BL
Keyed B (Red):	UTPKSP*RD
Keyed C (Green):	UTPKSP*GR
Keyed D (Yellow):	UTPKSP*YL
Keyed E (Orange):	UTPKSP*OR
Keyed F (Blue):	UTPKSP*BU
Tools and Accessories	
Termination tool:	TGJT or EGJT-1
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Clear dust cap:	MDC-C

*Substitute for length in feet: 3, 5, 7, 10, or 14 feet. Contact customer service for universal reference patch cords.

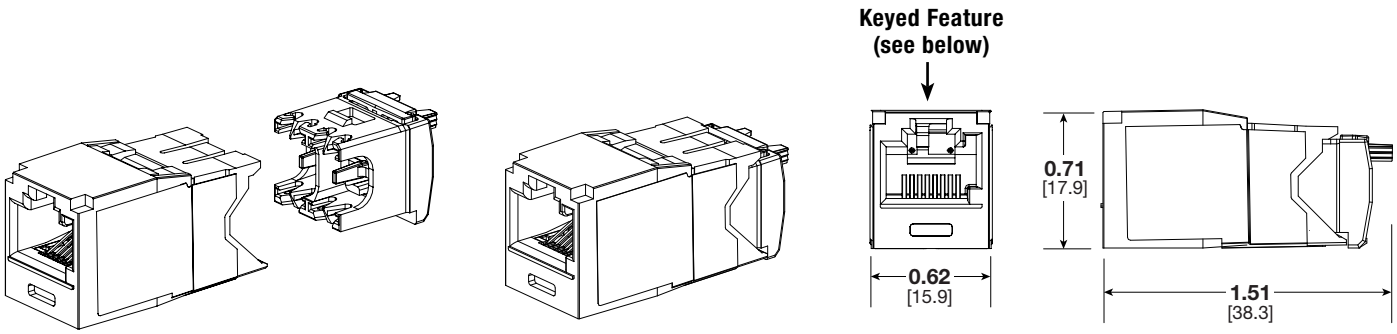
Mini-Com® TX6™ PLUS Keyed UTP Jack Modules

test results

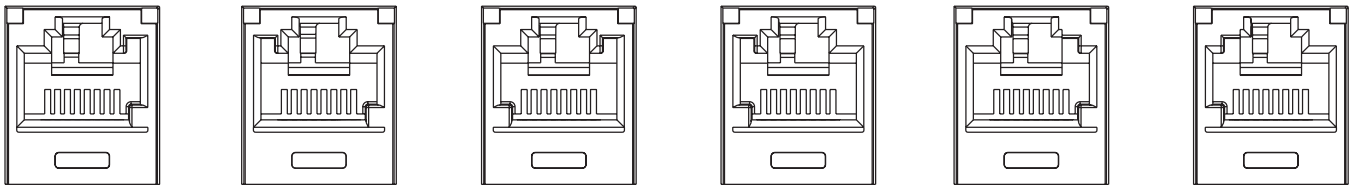
Mechanical Test	Test Method	Measurement	Typical Test Results
Normal force	ANSI/TIA-1096-A	Load (grams)	>100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	<40
Shock	IEC 512-6c	Contact Disturbance (microseconds)	<5
Durability	IEC 512-9a	Circuit Resistance (mOhms)	<40
Mating/un-mating	IEC 512-13b	Mating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



UTP Jack Color/Key Code and Part Number



CJK688TGBL	CJK688TGRD	CJK688TGGR	CJK688TGYL	CJK688TGOR	CJK688TGBU

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

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
Phone: 81.3.6863.6000

PANDUIT LATIN AMERICA
Guadalajara, Mexico
Phone: 52.33.3777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty

For more information
Visit us at www.panduit.com
Contact Customer Service by email: cs@panduit.com
or by phone: 800.777.3300

COSP487-WW-ENG
10/2022