

specifications

Category 6A 8-position jack module shall terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable and shall not require the use of a punchdown tool. Jack module shall use forward motion termination to optimize performance by maintaining cable pair geometry and eliminating conductor untwist. The blue termination cap shall be color coded for T568A and T568B wiring schemes. The MINI-COM® TX6™ 10Gig™ Jack Module must be installed as part of a complete TX6™ 10Gig™ UTP Copper Cabling System in order to achieve 10GBASE-T certified performance.



technical information

Category 6A/ISO 11801 Class E_A channel performance tested to 650 MHz:	Certified channel performance in a 4-connector configuration up to 100m and exceeds the draft requirements of TIA/EIA 568-B.2-AD10, ISO 11801 Class E _A Edition 2.1 and IEEE ratified standard 802.3an-2006 for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the PANDUIT® TX6™ 10Gig™ UTP Copper Cabling System
FCC compliance:	Meets FCC Part 68 Subpart F
IEC compliance:	Meets IEC 60603-7

key features and benefits

100% performance tested	Guarantees that each jack module delivers specified performance
Utilizes enhanced Giga-TX™ Technology	Optimizes performance by eliminating conductor untwist and reduces installation time and expense
Improved termination cap	Conductor retention slots simplify termination
Modularity	Jack modules snap in and out of MINI-COM® faceplates, modular patch panels, and surface mount boxes for fast moves, adds, and changes
True strain relief	Controls cable bend radius for long term installed performance
Individual serialized	Marked with quality control number for traceability
Industry standard RJ45 interface	Familiar to end-users; backwards compatible

applications

MINI-COM® TX6™ 10Gig™ Jack Module is a component of the TX6™ 10Gig™ UTP Copper Cabling System. This end-to-end system provides a cost-effective media for ensuring that the most challenging network bandwidth needs are easily met today and tomorrow. Businesses are placing increased reliance on their networks to efficiently pass vital and time sensitive information throughout their

enterprise. Usage of the TX6™ 10Gig™ UTP Copper Cabling System includes:

- Data Center high bandwidth applications for switch-to-switch links, storage area networks, and aggregation of data
- 3-D modeling and work group file transfer
- Web-enabling applications such as voice over internet protocol (VoIP) and live video/audio broadcasting

TX6™ 10Gig™ UTP Copper Cabling System

MINI-COM® TX6™ 10Gig™ Jack Module

Module: CJ6X88TG*

TX6™ 10Gig™ UTP Copper Cable

Plenum: PUP6X04**U
Riser: PUR6X04**UY

TX6™ 10Gig™ Patch Cords

3': UTP6X3***Y
5': UTP6X5***Y
7': UTP6X7***Y
10': UTP6X10***Y
14': UTP6X14***Y
20': UTP6X20***Y

DP6™ 10Gig™ Flat Punchdown Patch Panels

24-port, 1 RU: DP246X88TGY
48-port, 2 RU: DP486X88TGY

DP6™ 10Gig™ Angled Punchdown Patch Panels

24-port, 1 RU: DPA246X88TGY
48-port, 2 RU: DPA486X88TGY

Termination Tools

Jack module termination tool: TGJT
Wire snipping tool: CWST
Wire stripping tool: CCAST
Panel punchdown tool: PDT110

*To designate color, add suffix IW (Int'l White), EI (Electric Ivory), WH (White), IG (Int'l Gray), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow), VL (Violet) or BR (Brown) before Y in part number. For bulk packaged jack modules add -24 to end of part number

**For colors other than BU (Blue), substitute with WH (White), YL (Yellow), or IG (International Gray)

***For lengths 3' to 20' (increments of 1') and 25', 30', 35', 40' change the length designation in the part number to the desired length. For standard cable colors other than Off White, add suffix BL (Black), BU (Blue), RD (Red), GR (Green), YL (Yellow), OR (Orange) or VL (Violet) before the Y at the end of the part number. For example, the part number for a blue 15' cord is UTP6X15BUY.

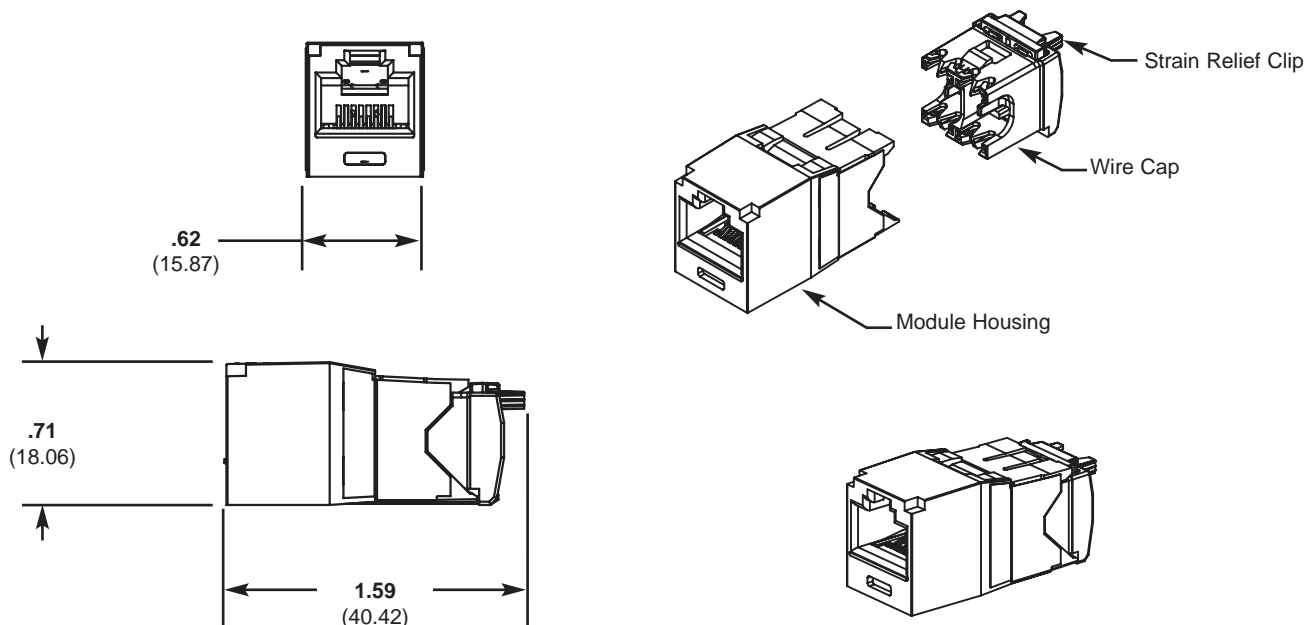
MINI-COM[®] TX6[™] 10Gig[™] Jack Module

MINI-COM[®] TX6[™] 10Gig[™] Jack Module Test Results

Mechanical Test	Test Method	Measurement	Typical Test Results
Normal Force	—	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

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 V, 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



Dimensions are in inches (Dimensions in parentheses are metric).

WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT CANADA
Markham, Ontario
cs-cdn@panduit.com
Phone: 800.777.3300

PANDUIT EUROPE LTD.
London, UK
cs-emea@panduit.com
Phone: 44.20.8601.7200

PANDUIT SINGAPORE PTE. LTD.
Republic of Singapore
cs-ap@panduit.com
Phone: 65.6305.7575

PANDUIT JAPAN
Tokyo, Japan
cs-japan@panduit.com
Phone: 81.3.3767.7011

PANDUIT LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.333.777.6000

PANDUIT AUSTRALIA PTY. LTD.
Victoria, Australia
cs-aus@panduit.com
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 and reference COSP46



©2007 PANDUIT Corp.
ALL RIGHTS RESERVED.
WW-COSP46
9/2007