MINI-COM® TX6™ PLUS Shuttered Jack Module

specifications

Category 6/Class E eight-position shuttered 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 white termination cap shall be color coded for T568A and T568B wiring schemes.

technical information

Category 6/Class E channel and component performance:	Exceeds all TIA/EIA-568-B.2-1 Category 6 and ISO 11801 2nd Edition Class E channel standard requirements at swept frequencies up to 250 MHz
FCC compliance:	Meets FCC Part 68 Subpart F; contacts plated with 50 microinches of gold
IEC compliance:	Meets IEC 60603-7

key features and benefits

100% performance tested	Confidence that each jack module will deliver the critical electrical performance requirements
Utilizes enhanced GIGA-TX™ technology	Optimizes performance by eliminating conductor untwist; reduces installation 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
Integral shuttered door	Protects RJ45 jack critical contacts from debris or dirt when not in use
Industry standard RJ45 interface	Familiar to end users; backwards compatible

applications

MINI-COM® TX6™ PLUS Shuttered Jack Module is a component of the TX6500™ and TX6000™ Copper Cabling Systems. Interoperable and backward compatible, these end-to-end systems provide design flexibility to protect network investments well into the future. With certified performance to the TIA/EIA-568-B.2-1 Category 6 and ISO 11801 Class E standards, these systems are ideal for today's high performance workstation applications.

Usage of the TX6500™ and TX6000™ Copper Cabling Systems include:
- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet), 10000BASE-T (10 Gigabit Ethernet over limited distances as specified in the industry 10GBASE-T standards)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Digital video and broadband/baseband analog video
- Voice over Internet Protocol (VoIP)

TX6500™ and TX6000™ Copper Cabling Systems

MINI-COM® TX6™ PLUS Shuttered Jack Module

Module:	CJD688TG*

TX6500™ UTP Cable

Plenum:	PUP6504**-U
Riser:	PUR6504**-UY

TX6000™ UTP Cable

Plenum:	PUP6004**-UY
Riser:	PUR6004**-UY

TX6™ PLUS Patch Cords

3':	UTPSP3***Y
5':	UTPSP5***Y
7':	UTPSP7***Y
10':	UTPSP10***Y
14':	UTPSP14***Y
20':	UTPSP20***Y

DP6™ PLUS Flat Punchdown Patch Panels

12-port:	DP12688TGY
24-port, 1 RU:	DP24688TGY
48-port, 2 RU:	DP48688TGY

DP6™ PLUS Angled Punchdown Patch Panels

24-port, 1 RU:	DPA24688TGY
48-port, 2 RU:	DPA48688TGY

GP™ PLUS Category 6 Punchdown System

See website (www.panduit.com) or catalog for complete system information

Termination Tools

Jack termination tool:	TGJT
Wire snipping tool:	CWST
Wire stripping tool:	CJAST

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*To designate a color, add suffix IW (Off White), EI (Electric Ivory), IG (Int'l Gray), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), YL (Yellow) or VL (Violet).

**To designate color, add suffix BU (Blue), WH (White), YL (Yellow) or IG (Int'l Gray).

***For lengths 1' 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), GR (Green), RD (Red), YL (Yellow), OR (Orange), or VL (Violet) before Y at the end of the part number. For example, the part number for a blue 15' patch cord is UTPSP15BUY.

MINI-COM® TX6™ PLUS Shuttered 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/Unmating	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

.71
(18.06)

.62
(15.87)

1.59
(40.42)
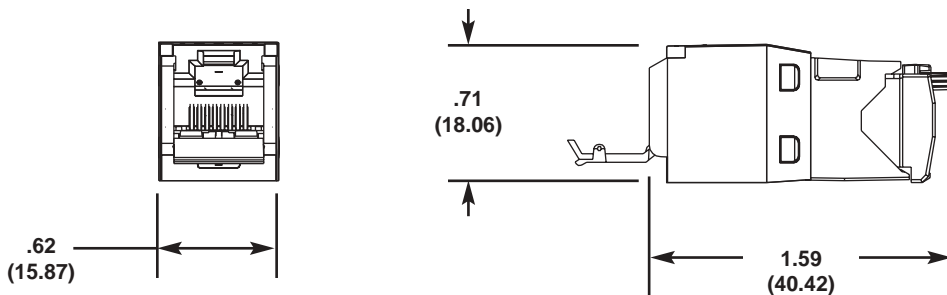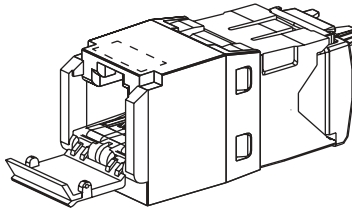
Dimensions are in inches (Dimensions in parentheses are metric).

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 COSP52

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