

specifications

The Category 5e / Class D eight-position jack module accepts 22-26 AWG, 100 ohm, 4 pair unshielded cable and can be terminated without the use of a punchdown tool. The jack module uses a forward motion termination to optimise performance by maintaining the cable pair geometry, eliminating conductor untwist. The red termination cap is colour coded for T568A and T568B wiring schemes.



technical information

Category 5e / Class D channel performance:	Exceeds all TIA/EIA-568-B.2 Category 5e and ISO 11801 2nd Edition Class D channel standard requirements at swept frequencies up to 100 MHz
Category 5e / Class D component performance:	Exceeds all TIA/EIA-568-B.2 Category 5e and ISO 11801 2nd Edition Class D component standard requirements at swept frequencies up to 100 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
Utilises enhanced GIGA-TX™ technology	Optimises performance by eliminating conductor untwist; reduces installation expense
Improved termination cap	Conductor retention slots simplify termination
Modularity	Jack modules snap in and out of all MINI-COM™ faceplates, modular patch panels and surface mount boxes for fast changes
True strain relief	Controls cable bend radius for long term installed performance
Individually serialised	Jack modules can be quality traced to sub-components
Industry standard RJ45 interface	Familiar to end-users; backwards compatible

applications

The MINI-COM™ TX5e™ Jack Module is a component of the TX5500™ Copper Cabling System. The PANDUIT™ TX5500™ Copper Cabling System provides end-to-end Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the TIA/EIA-568-B.2 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)
- 155 Mb/s ATM, 622 Mb/s ATM
- Token Ring 4/16
- Voice/data systems
- Voice over internet protocol (VoIP)

TX5500™ Copper Cabling System

MINI-COM™ TX5e™ Jack Module

Standard Module:	CJ5E88TG*
Shuttered Module:	CJD5E88TG*

TX5500™ UTP Cable

PVC:	PUC5504LG
LSZH:	PUL5504DG

Mini-Com™ Flush Mount Modular Panels

24 port Flat, 1 RU:	CPP24FMWBL
48 port Flat, 1 RU:	CPP48FMWBL
24 port Angled, 1 RU:	CPPA24FMWBL
28 port Angled, 1 RU:	CPPA48FMWBL

DP5e™ Flat Punchdown Patch Panels

24 port, 1 RU:	DP245E88TG
48 port, 2 RU:	DP485E88TG

DP5e™ Angled Punchdown Patch Panels

24 port, 1 RU:	DPA245E88TG
48 port, 2 RU:	DPA485E88TG

TX5e™ Patch Cords

	PVC (off white)	LSZH (off white)
1m	UTPCH1M**	UTPCHL1M**
1.5m	UTPCH1.5M**	UTPCHL1.5M**
2m	UTPCH2M**	UTPCHL2M**
2.5m	UTPCH2.5M**	UTPCHL2.5M**
3m	UTPCH3M**	UTPCHL3M**
5m	UTPCH5M**	UTPCHL5M**

Termination Tools

Jack module termination tool:	EGJT‡
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Panel punchdown tool:	PDT110

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

**For cable colours other than Off White, add suffix BL (Black), BU (Blue), GR (Green), RD (Red), YL (Yellow), OR (Orange) or VL (Violet) to the end of the part number.

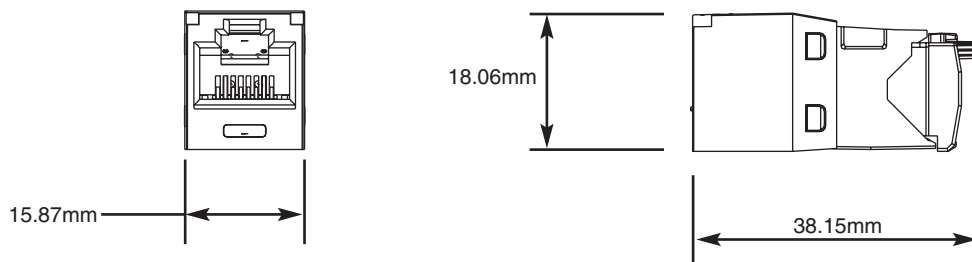
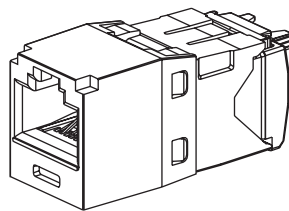
‡Terminates enhanced GIGA-TX™ Style Jack Module

MINI-COM™ TX5e™ Jack Module

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



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: 65.6379.6700

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

PANDUIT LATIN AMERICA
Jalisco, Mexico
cs-la@panduit.com
Phone: 52.333.666.2501

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/emea

Contact us by email: cs-emea@panduit.com
or by phone: +44 (0) 20 8601 7200

©2006 **PANDUIT** Corp.
ALL RIGHTS RESERVED.
01/2006