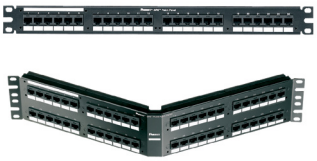
DP6™ PLUS Punchdown Patch Panels

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6/Class E, punchdown patch panels shall terminate 4-pair, 22 – 26 AWG, 100 ohm unshielded twisted pair cable with an industry standard single wire 110 punchdown tool. Patch panels shall include a universal label coded for T568A and T568B wiring schemes and mount to 19" and 23" racks. Patch panels shall be easy to identify with pre-printed numbers, write-on areas and optional label kits.



TECHNICAL INFORMATION

Category 6/Class E channel and component performance:	Exceeds channel requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz Exceeds component requirements of ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards at swept frequencies 1 to 250 MHz
FCC and ANSI compliance:	Meets all applicable ANSI/TIA-968-A requirements; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7
PoE compliance:	Supports IEEE 802.3af, 802.3at, and IEEE 802.3bt type 3 and 4 for PoE applications up to 100 W
UL rated:	UL 1863 approved
Conductor termination range:	Compatible with 22 – 26 AWG solid or stranded IWC cable with conductor insulation diameters of 0.048 in.
Mounting option:	Mounts to standard EIA 19" or 23" racks (with optional extender bracket); 12-port version can be wall mounted with optional 89D bracket
Packaging:	Includes M6 and #12-24 mounting screws

KEY FEATURES AND BENEFITS

100% Performance tested:	Confidence that each jack module will deliver the critical electrical performance requirements
Individually serialized:	Each port is marked with quality control number for future traceability
RJ45 interface:	Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible
Universal wiring scheme:	T568A and T568B wiring schemes clearly identified
Industry standard termination tool:	Single wire 110 punchdown tool (PDT110) ensures conductors are fully terminated
Block out device (optional):	Provides a simple and secure method to control access to data ports while not in use

APPLICATIONS

DP6 PLUS Punchdown Patch Panels are a component of the TX6™ PLUS UTP Copper Cabling System. This end-to-end system is interoperable and backwards compatible, providing design flexibility to protect network investments well into the future. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E standards, this system is ideal for today's high performance workstation applications. With certified performance to the ANSI/TIA-568-C.2 Category 6 and ISO 11801 Class E Edition 2.1 standards, these systems will support the following applications:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), 1000BASE-T (Gigabit Ethernet)
- 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)

DP6 PLUS Angled Punchdown Patch Panels	
24-port, 1 RU:	DPA24688TGY
48-port, 2 RU:	DPA48688TGY
DP6 PLUS Flat Punchdown Patch Panels	
12-port:	DP12688TGY
24-port, 1 RU:	DP24688TGY
48-port, 2 RU:	DP48688TGY
Tools and Accessories	
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Punchdown tool:	PDT110
Replacement module:	DRJ688TGBL
Strain relief bar:	SRBM19BLY
Extender bracket:	PEB1
Clear dust cap:	MDC-C
Block out device:	PSL-DCJB^+
Phone icons:	CIP^^-C
Data icons:	CIDIW-C

^Colors other than Red: -BL (Black), -BU (Blue), -YL (Yellow), -GR (Green), -OR (Orange),-IW (Off White) or -IG (International Gray)

^^Colors: IW (Off White), EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet)

+Add -C for bulk packages of 25 pieces to reduce single-use plastic

TAA Compliant

All listed part numbers are compliant with the U.S. Trade Agreements Act (TAA) for purchases shipped to customers in the United States.

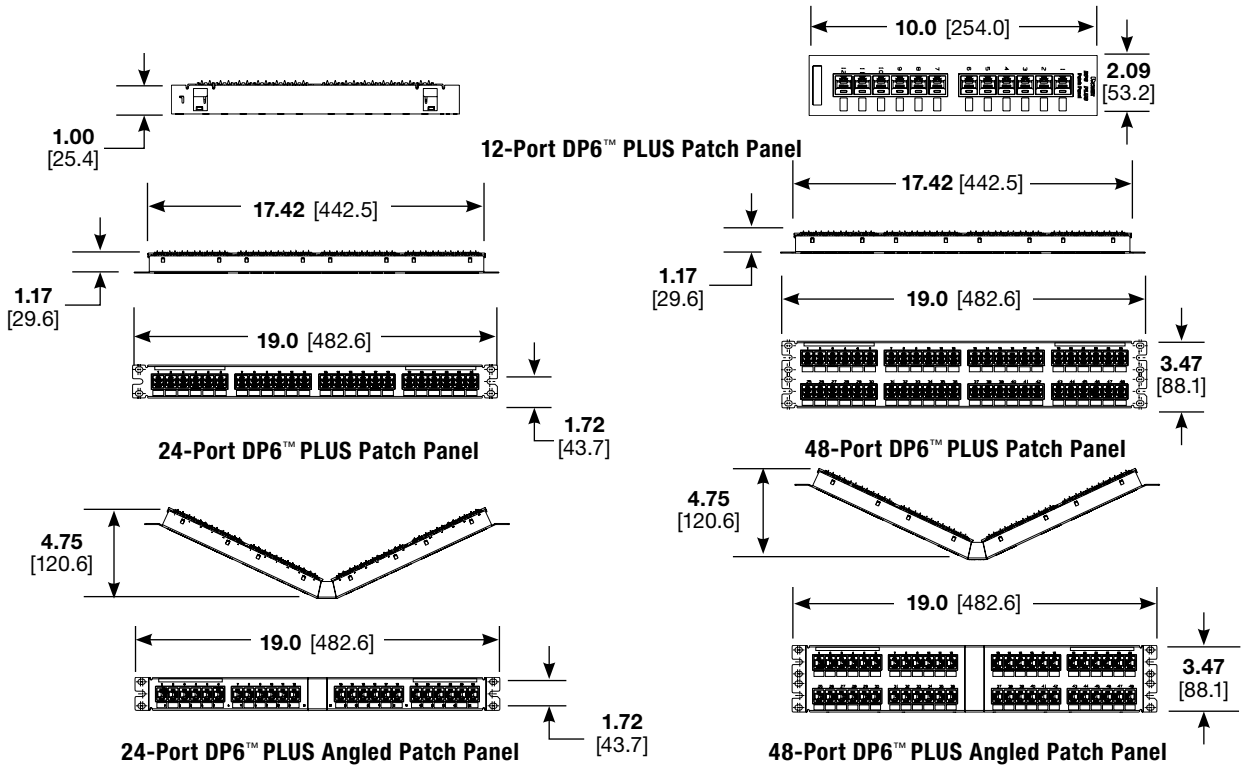
TEST RESULTS

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)	
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 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		
Thermal shock	IEC 512-11d		
Climatic sequence	IEC 512-11a		
Flowing mixed gas corrosion	IEC 512-11g		

ENGINEERING DRAWINGS



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

COSP398-WW-ENG
7/2024