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DP6A™ 10Gig Punchdown Patch Panels

PANDUIT®
SPECIFICATION SHEET

SPECIFICATIONS

Category 6A/Class E_A, 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 inches and 23 inches racks. Patch panels shall be easy to identify with pre-printed numbers, write-on areas and optional label kits. The DP6A 10Gig Punchdown Patch Panel must be installed as part of the TX6A™ 10Gig UTP Copper Cabling System to achieve IEEE 10GBASE-T certified performance.



TECHNICAL INFORMATION

Category 6/Class E_A channel and component performance:	Certified channel performance in a 4-connector configuration up to 100 meters and exceeds the requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E_A standards swept up to 650 MHz for supporting 10GBASE-T transmission over twisted-pair cabling systems as part of the TX6A 10Gig UTP Copper Cabling System Exceeds component requirements of ANSI/TIA-568.2-D Category 6A and ISO 11801 Class E_A standards for supporting 10GBASE-T transmission over twisted-pair cabling systems
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
Conductor termination range:	Wire cap compatible with 22 – 26 AWG solid or stranded cable with conductor insulation diameters of 0.060 in. (15.24mm) max and overall cable O.D. 0.200 in. - 0.330 in. (5.08mm - 8.38mm)
Mounting option:	Mounts to standard EIA 19" or 23" racks (with optional extender bracket)
Packaging:	Includes #12-24 mounting screws and punchdown retention caps

KEY FEATURES AND BENEFITS

100% Performance tested:	Confidence that each jack module will deliver the critical electrical performance requirements
Advanced electrical compensation technology:	Headroom over industry standards for lower risk and high bandwidth availability
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 with Category 6
Universal wiring scheme:	T568A and T568B wiring schemes clearly identified
Industry standard termination tool:	PDT110 single wire 110 punchdown tool termination tool ensures conductors are fully terminated

APPLICATIONS

DP6A 10Gig Punchdown Patch Panels are a component of the TX6A 10Gig UTP Copper Cabling System with MaTriX Technology. This end-to-end system provides a cost effective medium for ensuring that network bandwidth needs are easily met today and tomorrow. This solution helps ensure organizations efficiently and reliably meet their data transmission needs. With certified performance to the ISO 11801 Class E_A, IEEE 802.3an-2006 and ANSI/TIA-568.2-D Category 6A standards, this system will support high bandwidth applications with data centers and connections to high end workstations such as stacking switches and switch-to-switch links, storage area networks, aggregation of Gigabit Ethernet channels, real-time intensive financial transactions, streaming video, animation, scientific modeling, and medical imaging.

DP6A 10Gig Angled Punchdown Patch Panels	
24-port, 1 RU:	DPA246X88TGY
48-port, 2 RU:	DPA486X88TGY
DP6A 10Gig Flat Punchdown Patch Panels	
24-port, 1 RU:	DP246X88TGY
48-port, 2 RU:	DP486X88TGY
Accessories	
Wire snipping tool:	CWST
Wire stripping tool:	CJAST
Punchdown tool:	PDT110
24-port label kit:	DPLK24
Replacement jack module:	DRJ6X88TGBL
Strain relief bar:	SRBM19BLY or SRB19D7BL
Replacement retention cap:	DRWCIW-24
Extender bracket:	PEB1
Clear dust cap:	MDC-C
Block out device:	PSL-DCJB^+
Phone icons:	CIPIW-C
Data icons:	CID^^-C

^Colors other than Red: BL (Black), -BU (Blue), -YL (Yellow), -GR (Green), -OR (Orange), -IW (Off White) or -IG (International Gray)
^^Colors: WH (White), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange)
+Add C to indicate 100 pieces per bulk package 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.

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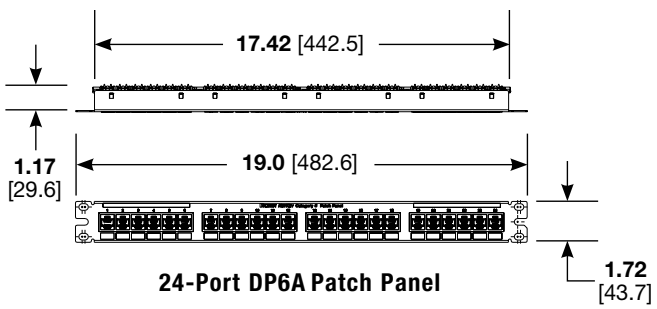
TEST RESULTS

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
Mating cycles	IEC 60603-7	Number of Plug Insertions	>2500

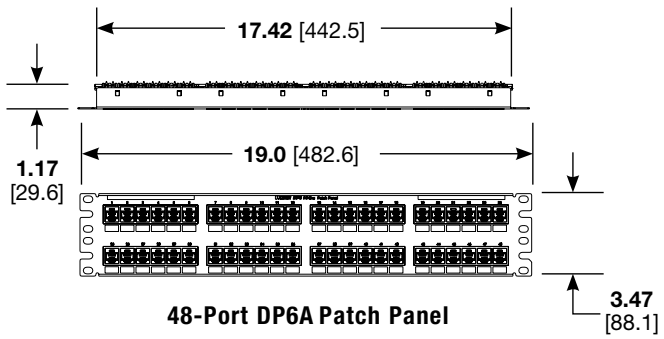
Electrical Test	Test Method	Measurement	Typical Test Results
Low level circuit resistance	IEC 512-2a	Resistance (mOhms)	<20
Dielectric withstand voltage	IEC 512-4a	1000 VAC, 1 minute	Passed
Insulation resistance	IEC 512-3a	Resistance (MOhms)	>500

Environmental Test	Test Method	Measurement	Typical Test Results
Temperature life	IEC 512-9b	Circuit Resistance (mOhms)	<40
Humidity	IEC 512-11c		
Thermal shock	IEC 512-11d		
Climatic sequence	IEC 512-11a		
Flowing mixed gas corrosion	IEC 512-11g		

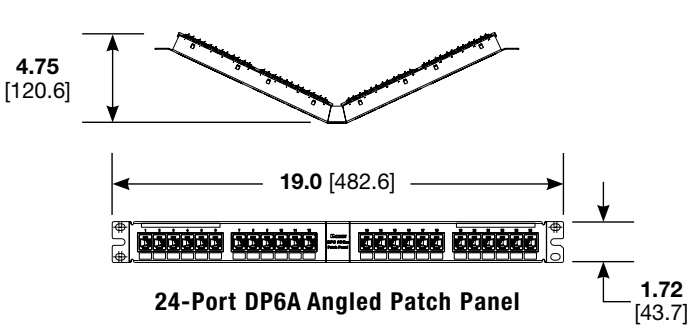
ENGINEERING DRAWINGS



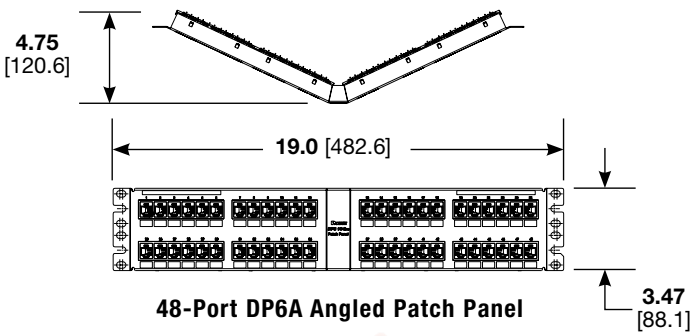
24-Port DP6A Patch Panel



48-Port DP6A Patch Panel



24-Port DP6A Angled Patch Panel



48-Port DP6A Angled Patch Panel

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

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