

# DP5e™ Punchdown Patch Panels

## specifications

Category 5e/Class D, 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

|                                                               |                                                                                                                                                                                                                                                                        |
|---------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Category 5e/Class D channel and component performance:</b> | Exceeds channel requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz<br><br>Exceeds component requirements of ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D standards at swept frequencies 1 to 100 MHz |
| <b>FCC and ANSI compliance:</b>                               | Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance                                                                                                                                                                            |
| <b>IEC compliance:</b>                                        | Meets IEC 60603-7                                                                                                                                                                                                                                                      |
| <b>PoE compliance:</b>                                        | Meets requirements of IEEE 802.3af and IEEE 802.3at for PoE applications                                                                                                                                                                                               |
| <b>UL rated:</b>                                              | UL 1863 approved                                                                                                                                                                                                                                                       |
| <b>Conductor termination range:</b>                           | Compatible with 22 – 26 AWG solid or stranded IWC cable with conductor insulation diameters of 0.048 in.                                                                                                                                                               |
| <b>Mounting option:</b>                                       | Mounts to standard EIA 19" or 23" racks (with optional extender bracket); 12-port version can be wall mounted with optional 89D bracket                                                                                                                                |
| <b>Packaging:</b>                                             | Includes M6 and #12-24 mounting screws                                                                                                                                                                                                                                 |

## key features and benefits

|                                           |                                                                                                                          |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>100% performance tested</b>            | Confidence that each jack module will deliver the critical electrical performance requirements                           |
| <b>Individually serialized</b>            | Each port is marked with quality control number for future traceability                                                  |
| <b>RJ45 interface</b>                     | Industry standard interface provides a quick and easy plug and play connection to RJ45 patch cords; backwards compatible |
| <b>Identification</b>                     | Can be clearly identified with optional labels and icons for port identification                                         |
| <b>Universal wiring scheme</b>            | T568A and T568B wiring schemes clearly identified                                                                        |
| <b>Industry standard termination tool</b> | Single wire 110 punchdown tool (PDT110) ensures conductors are fully terminated                                          |
| <b>Block out device (optional)</b>        | Provides a simple and secure method to control access to data ports while not in use                                     |
| <b>Angled design (optional)</b>           | Facilitates proper bend radius control and minimizes the need for horizontal cable managers                              |
| <b>Replacement port module (optional)</b> | Ability to replace field damaged ports for complete panel utilization                                                    |

## applications

DP5e™ Punchdown Patch Panels are a component of the TX5500™ UTP Copper Cabling System. This end-to-end system provides Gigabit Ethernet performance with usable bandwidth beyond 100 MHz. With certified performance to the ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D Edition 2.1 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)

# PANDUIT®

## SPECIFICATION SHEET

### TX5500™ UTP Copper Cabling System

#### DP5e™ Angled Punchdown Patch Panels

|                       |              |
|-----------------------|--------------|
| <b>24-port, 1 RU:</b> | DPA245E88TGY |
| <b>48-port, 2 RU:</b> | DPA485E88TGY |

#### DP5e™ Flat Punchdown Patch Panels

|                       |             |
|-----------------------|-------------|
| <b>12-port:</b>       | DP125E88TGY |
| <b>24-port, 1 RU:</b> | DP245E88TGY |
| <b>48-port, 2 RU:</b> | DP485E88TGY |

### TX5500™ UTP Copper Cable

|                |          |
|----------------|----------|
| <b>Plenum:</b> | PUP5504* |
| <b>Riser:</b>  | PUR5504* |
| <b>LSZH:</b>   | PUL5504* |
| <b>CM:</b>     | PUC5504* |

### TX5e™ UTP Patch Cords

|                              |           |
|------------------------------|-----------|
| <b>CM (Foot lengths):</b>    | UTPCH^Y   |
| <b>CM (Meter lengths):</b>   | UTPCH^MY  |
| <b>LSZH (Meter lengths):</b> | UTPCHL^MY |

### Tools and Accessories

|                             |             |
|-----------------------------|-------------|
| <b>Wire snipping tool:</b>  | CWST        |
| <b>Wire stripping tool:</b> | CJAST       |
| <b>Punchdown tool:</b>      | PDT110      |
| <b>24-port label kit:</b>   | DPLK24      |
| <b>48-port label kit:</b>   | DPLK48      |
| <b>Replacement module:</b>  | DRJ5E88TGBL |
| <b>Strain relief bar:</b>   | SRBM19BLY   |
| <b>Extender bracket:</b>    | PEB1        |
| <b>Clear dust cap:</b>      | MDC-C       |
| <b>Block out device:</b>    | PSL-DCJB-^  |
| <b>Phone icons:</b>         | CIPW-C‡     |
| <b>Data icons:</b>          | CIDIW-C‡    |

\*To designate color, add suffix BU (Blue) or WH (White). For additional cable colors, contact customer service.

^For lengths 1 to 20 feet (one foot increments) and 25, 30, 35, 40 feet, 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), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the part number for a blue 15-foot patch cord is UTPCH15BUY.

^^For lengths 1 to 10 meters (one meter increments) and 2.5, 15, 20, 25, 30, 35, 40 meters, 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), YL (Yellow), GR (Green), OR (Orange) or VL (Violet). For example, the part number for a blue 15-meter patch cord is UTPCH15MBUY.

^^^To designate color other than Red, add suffix BL (Black), BU (Blue), YL (Yellow), GR (Green), IG (International Gray), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) at the end of the part number. 10/package.

‡To designate color other than IW (Off White), replace IW with EI (Electric Ivory), IG (International Gray), BL (Black), BU (Blue), RD (Red), YL (Yellow), GR (Green), OR (Orange) or VL (Violet) in the part number. 100/package.

**www.panduit.com**

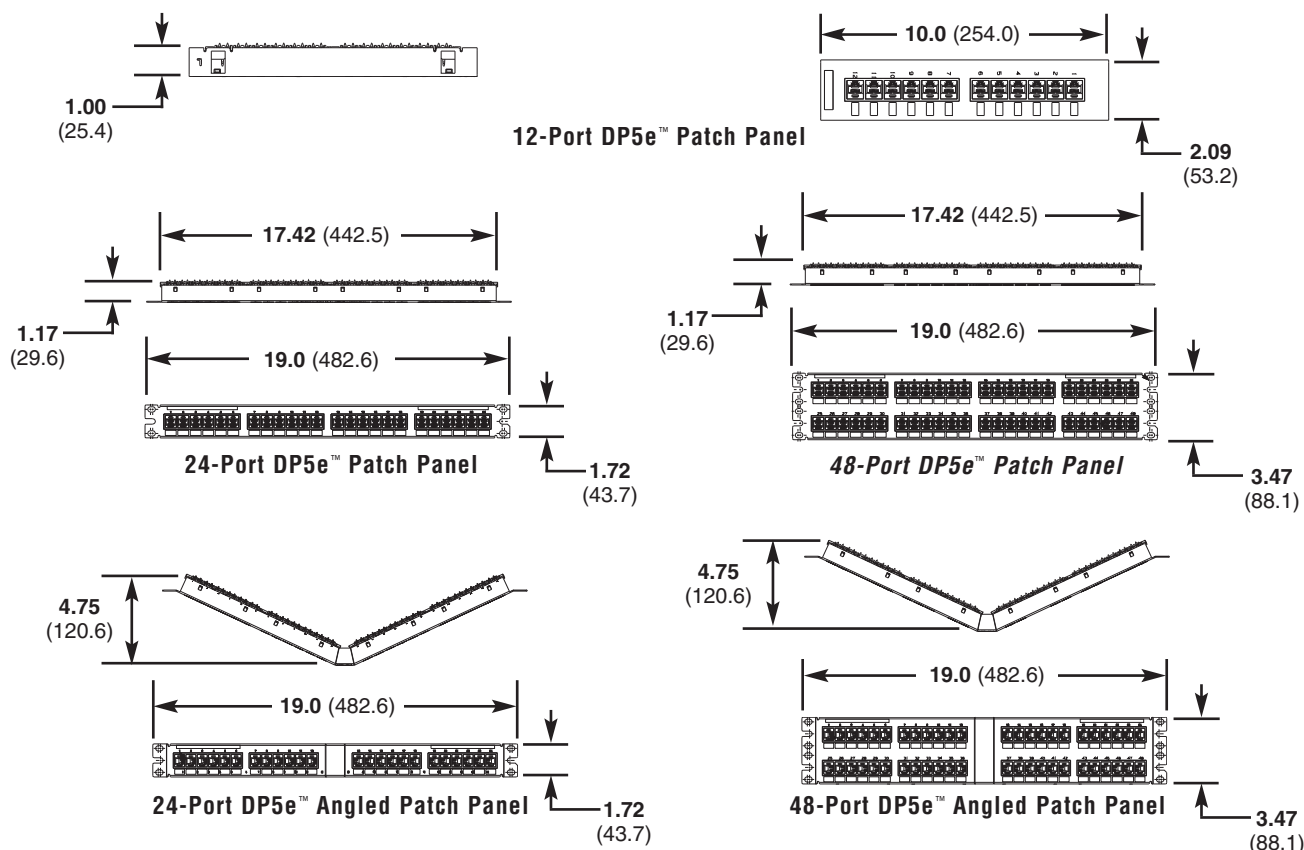
# DP5e™ Punchdown Patch Panels

## 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: 81.3.6863.6000

PANDUIT LATIN AMERICA  
Guadalajara, Mexico  
cs-la@panduit.com  
Phone: 52.33.3777.6000

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](http://www.panduit.com/warranty)

For more information

Visit us at [www.panduit.com](http://www.panduit.com)

Contact Customer Service by email: [cs@panduit.com](mailto:cs@panduit.com)  
or by phone: 800.777.3300 and reference COSP228

**PANDUIT®**

©2012 Panduit Corp.  
ALL RIGHTS RESERVED.  
COSP228--WW-ENG  
10/2012

## Данный компонент на территории Российской Федерации

**Вы можете приобрести в компании MosChip.**

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9