

# NetKey® Category 5e Component-Rated Punchdown Jack Modules

# PANDUIT®

DATA SHEET

## specifications

Category 5e/Class D 8-position, industry standard keystone jack module terminates 4-pair, 22 – 26 AWG, 100 ohm unshielded pair cable. Jack module uses a punchdown tool to properly and securely terminate each conductor for optimum performance. The jack module contains a color coded label for T568A and T568B wiring schemes. A retention cap provides additional strain relief.



## technical information

|                                         |                                                                                                                                                                                                                                  |
|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Category 5e/Class D performance:</b> | Exceeds ANSI/TIA-568-C.2 Category 5e and ISO 11801 Class D channel requirements at swept frequencies up to 100 MHz<br>Meets ANSI/TIA-568-C.2 and ISO 11801 Category 5e component requirements at swept frequencies up to 100 MHz |
| <b>FCC compliance:</b>                  | Complies with ANSI/TIA-1096A (formerly FCC Part 68); contacts plated with 50 microinches of gold                                                                                                                                 |
| <b>IEC compliance:</b>                  | Meets IEC 60603-7                                                                                                                                                                                                                |
| <b>PoE compliance:</b>                  | Supports IEEE 802.3af/802.3at and proposed 802.3bt type 3 and type 4 PoE applications                                                                                                                                            |
| <b>UL rated:</b>                        | UL 1863 approved                                                                                                                                                                                                                 |
| <b>RoHS compliance:</b>                 | Compliant                                                                                                                                                                                                                        |

## key features and benefits

|                                         |                                                                                                                                                                       |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>100% performance tested</b>          | Confidence that each jack module delivers specified performance                                                                                                       |
| <b>110 style punchdown termination</b>  | Utilizes industry standard termination style and includes wire retention cap                                                                                          |
| <b>Modular</b>                          | Universal keystone jack modules snap in and out of all NetKey® Faceplates, Modular Patch Panels, and Surface Mount Boxes for fast moves, adds, and changes            |
| <b>Individually serialized</b>          | Marked with quality control number for future traceability                                                                                                            |
| <b>Convenience packaging (optional)</b> | 25 jacks packaged in one easy to open container, eliminating the time to open each individual package and reducing on-site waste; ideal for high volume installations |

## applications

Applications include:

- Ethernet 10BASE-T, 100BASE-T (Fast Ethernet), and 1000BASE-T (Gigabit Ethernet)
- 155 Mb/s ATM, 622 Mb/s ATM, 1.2 Gb/s ATM
- Token Ring 4/16
- Voice over internet protocol (VoIP)

**www.panduit.com**

### NetKey® Network Components

#### NetKey® Jack Modules

|                                        |             |
|----------------------------------------|-------------|
| <b>Module:</b>                         | NKP5E88M*   |
| <b>Convenience pack of 25 modules:</b> | NKP5E88M*-Q |

#### NetKey® Patch Cords

|                       |            |
|-----------------------|------------|
| <b>Foot lengths:</b>  | NK5EPC3**Y |
| <b>Meter lengths:</b> | NK5EPC1M^Y |

#### Termination and Cable Prep Tools

|                              |            |
|------------------------------|------------|
| <b>Punchdown tool:</b>       | PDT110‡    |
| <b>Punchdown base:</b>       | NKSPB      |
| <b>JackRapid*</b>            |            |
| <b>Termination Tool:</b>     | JR-PAN-2‡‡ |
| <b>Cable snipping tool:</b>  | CWST       |
| <b>Cable stripping tool:</b> | CJAST      |

\*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) or YL (Yellow).

\*\*For standard lengths other than 3 feet (5, 7, 10, 14 or 20) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 foot patch cord is NK5EPC5BUY.

^For standard lengths other than 1 meter (2, 3, 4 or 5) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 meter patch cord is NK5EPC5MBUY.

‡Terminates the NetKey® Keystone Punchdown Jack Module and NetKey® Patch Panel.

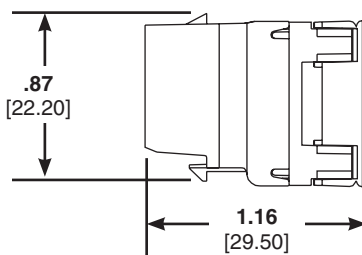
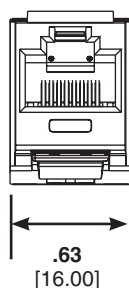
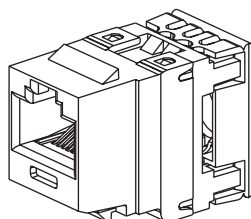
‡‡Terminates the NetKey® Keystone Punchdown Jack Module. Fluke JackRapid Termination Tool available through distribution. To locate the local office, visit [www.flukenetworks.com/contact](http://www.flukenetworks.com/contact).

\*JackRapid is a trademark of Fluke Networks.

# NetKey® Category 5e Punchdown Jack Modules

## NetKey® Category 5e Electrical Performance

| Parameters  | dB @ 100 MHz |
|-------------|--------------|
| NEXT        | > 43.0       |
| FEXT        | > 35.1       |
| Attenuation | < 0.40       |
| Return Loss | > 20.0       |



Dimensions are in inches [Dimensions in brackets are metric]

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