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

PANDUIT®
SPECIFICATION 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

| | |
|---|---|
| ***Category 5e/Class D performance:*** | 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 |
| ***FCC compliance:*** | Complies with ANSI/TIA-1096-A (formerly FCC Part 68); 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 proposed 802.3bt type 3 and type 4 PoE applications |
| ***Safety compliance:*** | cULus Listed; UL 1863 and CAN/CSA-C22.2 (UL File E129886) |
| ***RoHS compliance:*** | Compliant |

## KEY FEATURES AND BENEFITS

| | |
|---|---|
| ***100% Performance tested:*** | Confidence that each jack module delivers specified performance |
| ***110 style punchdown termination:*** | Utilizes industry standard termination style and includes wire retention cap |
| ***Modular:*** | 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 |
| ***Individually serialized:*** | Marked with quality control number for future traceability |
| ***Convenience packaging (optional):*** | 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)

| ***NetKey Jack Modules*** | |
|---|---|
| ***Module:*** | NKP5E88M* |
| ***25 Pack:*** | NKP5E88M*- Q |
| ***NetKey Patch Cords*** | |
| ***Foot lengths:*** | NK5EPC^**Y |
| ***Meter lengths:*** | NK5EPC^^M***Y |
| ***Termination and Cable Prep Tools*** | |
| ***Punchdown tool:*** | PDT110‡ |
| ***Punchdown base:*** | NKSPB |
| ***JackRapid+ Termination Tool:*** | JR-PAN-2‡‡ |
| ***Cable snipping tool:*** | CWST |
| ***Cable stripping tool:*** | CJAST |

^Feet lengths: 3, 5, 7, 10, 14 or 20 meters
^^Meter lengths: 1, 2, 3, 4, or 5 meters
*Colors: 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)
**Colors other than Off White: (Blue), GR (Green), RD (Red) or YL (Yellow)
***Colors other than Off White: BU (Blue), GR (Green), RD (Red) or YL (Yellow)
-24 indicates bulk packages of 24 pieces per package to reduce single-use plastic
-Q indicates bulk packages of 25 pieces per package to reduce single-use plastic
‡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**
+JackRapid is a trademark of Fluke Networks.

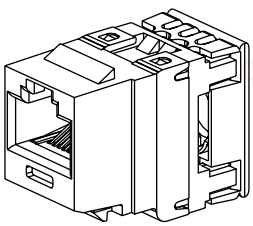
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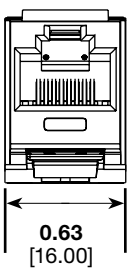
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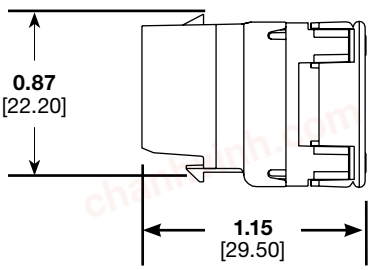
## NETKEY CATEGORY 5E ELECTRICAL PERFORMANCE

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

## ENGINEERING DRAWINGS






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

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