

Category 6/Class E, 8-position keystone jack module shall terminate unshielded twisted 4-pair, 22 – 26 AWG, 100 ohm cable. Punchdown tool properly terminates each conductor for optimum performance. Universal label is color-coded T568A and T568B wiring schemes.



## technical information

<b>Category 6/Class E channel performance:</b>	Meets all TIA/EIA-568-C.2 Category 6 and ISO 11801 2nd Edition Class E channel requirements at swept frequencies up to 250 MHz
<b>FCC compliance:</b>	Meets ANSI/TIA-968-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>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 a wire retention cap
<b>Modularity</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](http://www.panduit.com)

### NetKey® Network Components

#### NetKey® Category 6 Jack Modules

<b>Module:</b>	NK688M*
<b>Convenience pack of 25 modules:</b>	NK688M*-Q

#### NetKey® Category 6 Patch Cords

<b>Foot lengths:</b>	NK6PC3**Y
<b>Meter lengths:</b>	NK6PC1M^Y

#### NetKey® Category 6 Punchdown Patch Panels

<b>12-port:</b>	NK6PPG12WY
<b>24-port, 1 RU:</b>	NK6PPG24Y
<b>48-port, 2 RU:</b>	NK6PPG48Y

#### 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 stripping 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 NK6PC5BUY.

^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 NK6PC5MBUY.

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

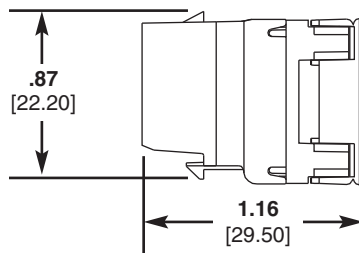
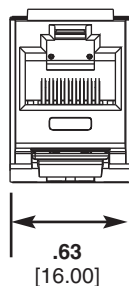
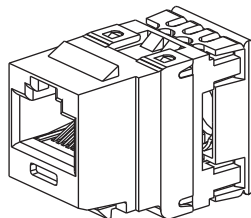
‡‡Terminates the NetKey® Keystone Punchdown Jack Module. Fluke JackRapid Termination Tool available through distribution. To locate the local office, visit [www.flukenetworks.com/contact](http://www.flukenetworks.com/contact).

\*JackRapid is a trademark of Fluke Networks.

# NetKey® Category 6 Punchdown Jack Modules

## NetKey® Category 6 Electrical Performance

Parameters	dB @ 250 MHz
<b>NEXT</b>	> 46.0
<b>FEXT</b>	> 35.1
<b>Attenuation</b>	< 0.32
<b>Return Loss</b>	> 16.0
<b>LCL</b>	> 20.0



Dimensions are in inches [Dimensions in brackets are metric]

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