

# NetKey® Category 6 Punchdown Jack Modules

## SPECIFICATIONS

Category 6/Class E, 8-position keystone jack module terminates 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 and component performance:</b>	Exceeds ANSI/TIA-568.2-D Category 6 and ISO 11801 Class E channel requirements at swept frequencies up to 250 MHz Exceeds ANSI/TIA-568.2-D and ISO 11801 Category 6 component requirements at swept frequencies up to 250 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 and IEC 60512-99-002
<b>PoE and PoH compliance:</b>	Meets IEEE 802.3af/802.3at and 802.3bt type 3 and type 4 Supports Power over HDBaseT up to 100 watts
<b>c(UL)us Listed:</b>	UL 1863 (Use as communications circuit accessory); CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
<b>Operating temperature:</b>	14°F to 167°F (-10°C to 75°C)
<b>RoHS compliance:</b>	Compliant

## KEY FEATURES AND BENEFITS

<b>100% performance tested:</b>	Confidence that each jack module delivers the specified performance
<b>110 style punchdown termination:</b>	Utilizes industry standard termination style and includes a 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 traceability
<b>Bulk 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)
- Voice over Internet Protocol (VoIP)

### NetKey Category 6 Jack Modules

<b>Module:</b>	NK688M*
<b>Bulk Pack of 25 Modules:</b>	NK688M*-Q

### NetKey Patch Panels with Labels

<b>24-port, 1 RU:</b>	NKFP24Y
<b>48-port, 2 RU:</b>	NKFP48Y

### Termination and Cable Prep Tools

<b>Punchdown Tool:</b>	PDT110‡
<b>Punchdown Base:</b>	NKSPB
<b>JackRapid+ Termination Tool:</b>	JR-PAN-2‡‡
<b>Cable Snipping Tool:</b>	CWST
<b>Cable Stripping Tool:</b>	CJAST
<b>Replacement retention caps:</b>	DRWC1W-24

\*Colors: IW (Off White), EI (Electric Ivory), IG (International Gray), WH (White), BL (Black), OR (Orange), RD (Red), BU (Blue), GR (Green), AW (Arctic White), VL (Violet), or YL (Yellow)

‡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  
-Q indicates bulk packages of 25 pieces to reduce single-use plastic

# NetKey® Category 6 Punchdown Jack Modules

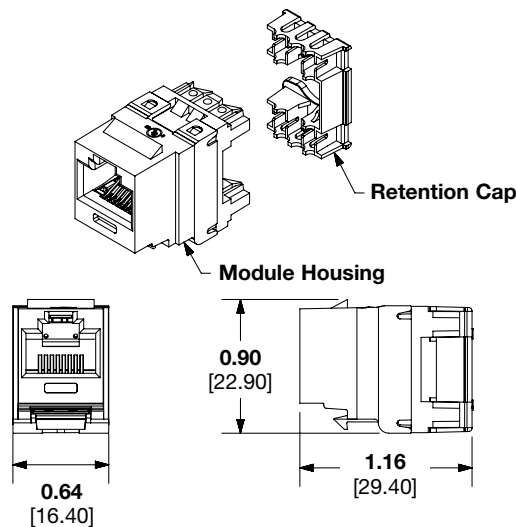
## TEST RESULTS

Mechanical Test	Test Method	Measurement	Typical Test Results
Normal	ANSI/TIA-1096-A	Load (grams)	> 100
Vibration	IEC 512-6d	Circuit Resistance (mOhms)	< 40
Shock	IEC 512-6c	Contact Disturbance (microsecond)	< 5
Durability	IEC 512-6a	Circuit Resistance (mOhms)	< 20
Mating/Un-mating	IEC 512-6b	Mating Force (N)	
		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

Mechanical 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



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

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