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NetKey® Category 6 Punchdown Jack Modules

PANDUIT®
SPECIFICATION SHEET

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

Category 6/Class E channel and component performance:	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
FCC and ANSI compliance:	Meets ANSI/TIA-1096-A; contacts plated with 50 microinches of gold for superior performance
IEC compliance:	Meets IEC 60603-7 and IEC 60512-99-002
PoE and PoH compliance:	Meets IEEE 802.3af / 802.3at and 802.3bt type 3 and type 4 supports Power over HDBaseT up to 100 watts
c(UL)us Listed:	UL 1863 (Use as communications circuit accessory); CSA standard C22.2 UL 2043 (Suitable for use in air-handling spaces)
Operating temperature:	14°F to 167°F (-10°C to 75°C)
RoHS compliance:	Compliant

KEY FEATURES AND BENEFITS

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

NetKey Category 6 Jack Modules	
Module:	**NK688M***
Bulk Pack of 25 Modules:	**NK688M*-Q**
NetKey Patch Panels	
24-port, 1 RU:	**NKFP24Y**
48-port, 2 RU:	**NKFP48Y**
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**
Replacement retention caps:	**DRWCIW-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 flukenetworks.com/contact
+JackRapid is a trademark of Fluke Networks
-Q indicates bulk packages of 25 pieces to reduce single-use plastic

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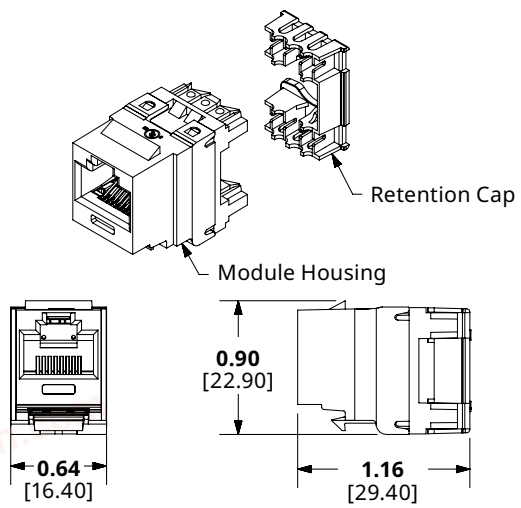
TEST RESULTS

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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