# NetKey<sup>®</sup> 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**

Category 6/Class E channel and compone	ent	Exceeds ANSI/TIA-568.2-D Cate requirements at swept frequencies			channel
performance:		Exceeds ANSI/TIA-568.2-D and requirements at swept frequencies		0, 1	ient
FCC and ANSI compliance:		Meets ANSI/TIA-1096-A; contact superior performance	ts plated	with 50 microinches o	of gold for
IEC compliance:		Meets IEC 60603-7 and IEC 6051	12-99-002	2	
PoE and PoH compliance:		Meets IEEE 802.3af/802.3at and Power over HDBaseT up to 100 v		ype 3 and type 4 Sup	ports
c(UL)us Listed:		UL 1863 (Use as communication CSA standard C22.2	s circuit a	accessory);	
		UL 2043 (Suitable for use in air-h	andling s	paces)	
<b>Operating temperature:</b> 14°F to 167°F (-10°C to 75°		14°F to 167°F (-10°C to 75°C)			
<b>RoHS</b> compliance:		Compliant			

### **KEY FEATURES AND BENEFITS**

100% performance tested:	Confidence that each jack module delivers the specified performance
110 style punchdown termination:	Utilizes ind <mark>ustry standard termina</mark> tion 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 wi <mark>th quality control num</mark> ber 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 Jac	ck Modules
Module:	NK688M*
Bulk Pack of 25 Modules:	NK688M*-Q
NetKey Patch Panels w	vith Labels
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 www.flukenetworks.com/contact

+JackRapid is a trademark of Fluke Networks -Q indicates bulk packages of 25 pieces to reduce single-use plastic

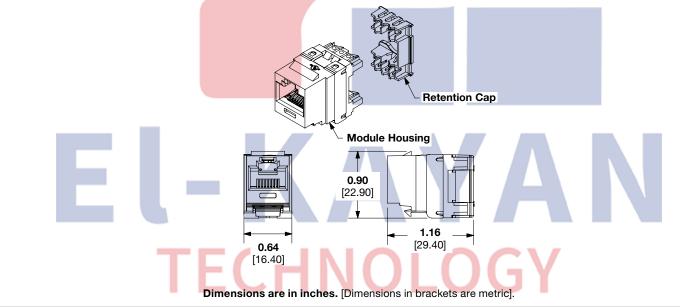
## **NetKey® Category 6 Punchdown Jack Modules**

## **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)	
Mating/Un-mating			Mating Force (N)	< 20
	IEC 512-6b		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 Resi <mark>stance</mark>	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	<b>Typical Test Results</b>
Temperature Life	IEC 512-9b		
Humidity	IEC 512-11c		
Thermal Shock	IEC 512-11d	Circuit Resistance (mOhms)	< 40
Climatic Sequence	IEC 512-11a		
Flowing Mixed Gas Corrosion	IEC 512-11g		

### **ENGINEERING DRAWINGS**



#### WORLDWIDE SUBSIDIARIES AND SALES OFFICES

PANDUIT US/CANADA Phone: 800.777.3300 PANDUIT EUROPE LTD. London, UK Phone: 44.20.8601.7200 PANDUIT SINGAPORE PTE. LTD. Republic of Singapore Phone: 65.6305.7575 PANDUIT JAPAN Tokyo, Japan Phone: 81.3.6863.6000 PANDUIT LATIN AMERICA Guadalajara, Mexico Phone: 52.33.3777.6000 PANDUIT AUSTRALIA PTY. LTD. Victoria, Australia Phone: 61.3.9794.9020

For a copy of Panduit product warranties, log on to www.panduit.com/warranty



For more information Visit us at www.panduit.com Contact Customer Service by email: cs@panduit.com or by phone: 800.777.3300

© 2024 Panduit Corp. ALL RIGHTS RESERVED. COSP588-WW-ENG 7/2024