

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

| | |
|--|--|
| 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 with 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

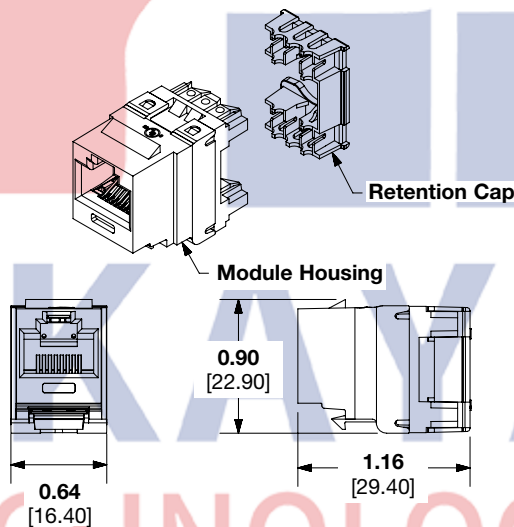
TEST RESULTS

| 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) | < 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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7/2024