

# NetKey® Category 5e Leadframe Jack Modules

Category 5e/Class D, 8-position keystone UTP jack module shall terminate unshielded twisted 4-pair, 22 – 24 AWG, 100 ohm cable without the use of a punchdown tool. Optional tool ensures conductors are fully terminated. Universal label is color-coded T568A and T568B wiring schemes.



## technical information

|                                                 |                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Category 5e/Class D channel performance:</b> | Meets all TIA/EIA-568-C.2 Category 5e and ISO 11801 2nd Edition Class D channel requirements at swept frequencies up to 100 MHz |
| <b>FCC compliance:</b>                          | Meets ANSI/TIA-968-A; contacts plated with 50 microinches of gold                                                               |
| <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>Termination cap</b>                  | Provides strain relief, helps control cable bend radius and securely retains wires in place                                                                           |
| <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 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)

### NetKey® Network Components

#### NetKey® Category 5e Jack Modules

|                                        |            |
|----------------------------------------|------------|
| <b>Module:</b>                         | NK5E88M*Y  |
| <b>Convenience pack of 25 modules:</b> | NK5E88M*-Q |

#### NetKey® Category 5e Patch Cords

|                       |            |
|-----------------------|------------|
| <b>Foot lengths:</b>  | NK5EPC3**Y |
| <b>Meter lengths:</b> | NK5EPC1M^Y |

#### NetKey® Modular Patch Panels

|                       |         |
|-----------------------|---------|
| <b>24-port, 1 RU:</b> | NKPP24P |
| <b>48-port, 2 RU:</b> | NKPP48P |

#### Termination Tools

|                          |       |
|--------------------------|-------|
| <b>Termination tool:</b> | CJT‡  |
| <b>Snipping tool:</b>    | CWST  |
| <b>Stripping tool:</b>   | CJAST |

\*For colors other than IW (Off White), add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number.

\*\*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 NK5EPC5BUY.

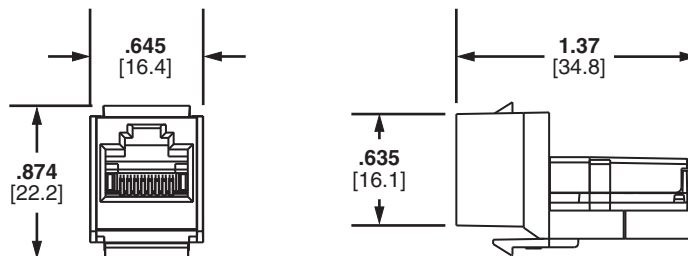
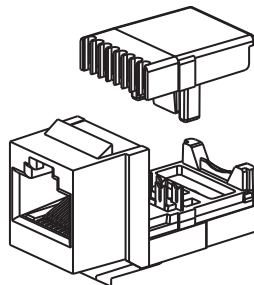
^For standard lengths other than 1 meter (2, 3, 4 or 5) change the length designation in part number to the desired length. For standard cable colors other than Off White, add suffix BU (Blue), GR (Green), RD (Red) or YL (Yellow) before the Y at the end of the part number. For example, the part number for a blue 5 meter patch cord is NK5EPC5MBUY.

‡Terminates NetKey® Keystone Leadframe Jack Modules.

# NetKey® Category 5e Leadframe Jack Modules

## NetKey® Category 5e Electrical Performance

| Parameters  | dB @ 100 MHz |
|-------------|--------------|
| NEXT        | > 43.0       |
| FEXT        | > 35.1       |
| Attenuation | < 0.40       |
| Return Loss | > 20.0       |



Dimensions are in inches [Dimensions in brackets are metric]

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