

## Tool-less 180° Cat 6 UTP Keystone Jack



Model: NPN-KEY-1C6U-180WT-BL

### Main Features:

- ✦ Tool-less Design: fast Installation without any special tools;
- ✦ Durable design:  $\geq 750$  mating,  $\geq 250$  termination;
- ✦ 3U Gold-plated contacts for enhanced conductivity;
- ✦ Dual color-coded for easy T568A/B wiring scheme.

### Connector Type

Category	Cat 6
Shielding	Unshielded
Connector	RJ45 Jack
Angle	180°

### Material

Housing Material	PBT
IDC Material	PC
Contact Material	Contact Jaw: Phosphor Bronze with Tin Plating, thickness = 0.5 mm
Contact Material	Phosphor Bronze with Nickel Plating, thickness = 0.3 mm
Contact Surface Material	Gold Plating, thickness = 3U (3 $\mu$ m or 0.0762 $\mu$ m)
PCB Material	FR-4, thickness = 1.6 mm

### Electrical Properties

Voltage/Current Rating	125 VAC RMS / 1.5 A
Insulation Resistance	$\geq 1000$ M $\Omega$ at 500 VDC
Contact Resistance	$\leq 100$ m $\Omega$
Dielectric Strength	750 VAC RMS, 60 Hz, 1 minute

### Mechanical Properties

RJ45 Jack	$\geq 750$ mating cycles
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IDC Lifespan  $\geq 250$  termination cycles

Wire Gauge AWG 22-26

Wiring Scheme T568A/T568B

## Environment

Operating Temperature  $-25^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

Operating Humidity RH 10% to 90% (non-condensing)

Storage Temperature  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

Storage Humidity RH 5% to 96% (non-condensing)

## General

Dimension 16.3 x 21.3 x 37.4 mm (WxHxD)

Net Weight 7.8 g

Diagram unit: mm

