



## Cat 6 Shield Pass Through RJ45 Connector, 3U Gold-Plated Contacts

Model: NPN-RJ45-1C6PTSF-PC10 / NPN-RJ45-1C6PTSF-PC100

### Main Features:

- ✧ Durable design:  $\geq 1250$  mating cycles;
- ✧ Trident head ensures stable contact for rapid transmission;
- ✧ Pass-through design for fast and easy wiring.

### Connector Type

Category	Cat 6
Type	8P8C (Eight Position, Eight Contact)
Shielding	Shielded

### Material

Housing Material	Polycarbonate
Shielding Material	Brass with nickel plating
Contact Material	Copper
Contact Surface Material	Gold Plating on Nickel Barrier
Gold Plating Thickness	3U ( $3\mu\text{in}$ or $0.0762\ \mu\text{m}$ )

### Electrical Properties

Voltage/Current Rating	125 VAC / 1.5 A
Insulation Resistance	$\geq 500\ \text{M}\Omega$
Contact Resistance	$\leq 20\ \text{m}\Omega$
Dielectric Withstand Voltage	1500 V DC/AC Peak

### Mechanical Properties

Durability  $\geq 1250$  mating cycles

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Wire Gauge  $0.85 \text{ mm} \leq \varnothing \leq 1.1 \text{ mm}$

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## Environment

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Operating Temperature  $-40^{\circ}\text{C}$  to  $70^{\circ}\text{C}$

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

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Storage Temperature  $-40^{\circ}\text{C}$  to  $80^{\circ}\text{C}$

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

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## General

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Dimension  $23 \times 12 \times 8 \text{ mm}$  (LxWxH)

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Net Weight 2.2 g

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## Diagram

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