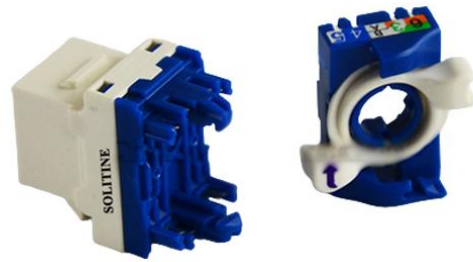


Overview

The **Solitine Cat6 UTP Keystone Jack Modular** is a high-performance, 180-degree punch-down Cat6 keystone jack engineered for reliable data transmission in modern network infrastructures. Featuring an 8P8C configuration with 50 μ " gold-plated contacts, this modular jack provides superior connectivity, minimizes cross-talk, and ensures optimal signal integrity for high-speed local area networks.



Key Features

- **Premium Gold Plating:** 50 μ " micro-inch gold-plated plug contacts prevent oxidation and ensure long-term durability.
- **Dual-Tool Compatibility:** The IDC terminal block supports both 110 and Krone punch-down tools.
- **Universal Wiring:** Integrated color-coded wiring stickers easily support both T568A and T568B wiring schemes.
- **Flexible Core Acceptance:** Robust IDC terminals accommodate 22–26 AWG solid and stranded cables.
- **Space-Saving Design:** Slim footprint ensures a perfect fit side-by-side in high-density keystone panels and faceplates.

Application

- **Structured Cabling Systems:** Ideal for horizontal and backbone subsystem wiring installations.
- **Data Centers & Telecom Rooms:** Optimized for deployment in high-density patch panels.
- **Enterprise & Residential LANs:** Supports Fast Ethernet, Gigabit Ethernet, and bandwidth-intensive multimedia data networking applications.

Compliant Standards

- **ANSI/TIA/EIA 568 C.2** (Cat6 transmission performance standard)
- **ISO/IEC 11801**
- **IEC 60603-7-4**
- **UL & ETL Certified**
- **RoHS Compliant**

Technical Specification

1. Material Specifications

Component	Material	Rating / Finish
RJ45 Jack Housing	ABS + PC	UL 94V-0 (with optional colors)
Contact Bracket	Polycarbonate (PC)	UL 94V-2 (Transparent)
RJ45 Jack Contact	Phosphor Bronze	Nickel-plated base with 50 μ '' Gold Plating on contact area
IDC Housing	PC + Glass Fiber	UL 94V-2
IDC Terminal	Phosphor Bronze	Tin-plated
IDC Cap	ABS	UL 94V-0
PCB	FR4	UL 94V-0

2. Performance & Mechanical Characteristics

- **Mechanical Lifecycle:**
 - **Jack Mating Cycles:** Minimum 750 cycles (ISO/IEC 11801, IEC 60603-7-4)
- **Insertion Force:** 20N maximum (IEC 60603-7-4)
- **Retention Strength:** 7.7 kg between jack and plug
- **Operating Temperature:** -10°C to 60°C

Ordering Information

Part Number	Description	Color Option	Pack Qty
SOL-6F-180B	Cat6 Keystone Jack Modular Toolless	Blue	Standard Box