

# Cat6a Punchdown Keystone Jack

FOR DATA CENTER, NETWORK ENGINEERING CABLING, ENTERPRISE NETWORK CABLING



## Overview

Cat6a UTP RJ45 Punchdown Keystone Jack Module is designed to terminate 4-pair, 23-26 AWG twisted pair cable. Each module is factory tested to exceed industry standard performance requirements. Contacts are plated with 50 microinches of gold for superior performance. Jacks are individually serialized, and are compatible with keystone interfaces such as faceplates, modular patch panels and surface mount boxes.

## Benefits

- Support IEEE 802.3af/at/bt, HDBaseT Power Standards, Up To 100w
- Verified IEC 60512-99-001 & IEC 60512-99-002 Test
- Fast Installation With Special Punch Tool or Crimping Tool
- Dual-color-coded Labeling for 568A/B (258A) Wiring Schemes
- Meets All TIA CAT6/6A Requirements
- To Be Used with Keystone Wall Plate or Panel

## Technical Specification

| Characteristics          | C6AM-U                                                                             |
|--------------------------|------------------------------------------------------------------------------------|
| <b>Electrical</b>        |                                                                                    |
| Current Rating           | 1.5Amps                                                                            |
| Insulation Resistance    | $\geq 500 \text{ M}\Omega$                                                         |
| Contact Resistance       | $\leq 20 \text{ m}\Omega$                                                          |
| DC Resistance            | $\leq 0.3 \Omega$                                                                  |
| DC/AC Volt Endurance     | DC1000V/AC750V 1min                                                                |
| <b>Mechanical</b>        |                                                                                    |
| Mating cycles            | 750 cycles minimum                                                                 |
| IDC mating cycles        | 200 cycles minimum                                                                 |
| Operating temperature    | -10~60°C                                                                           |
| Operating humidity       | 10%~90%RH                                                                          |
| Storage temperature      | -40°C to 68°C                                                                      |
| <b>Physicals</b>         |                                                                                    |
| TIA Cat6A Perm Link Test | Worst Pair NEXT Headroom $\geq 3.0\text{dB}$                                       |
| Plastic Parts            | High quality engineering plastic                                                   |
| PCB                      | FR-4, 1.2mm Thickness                                                              |
| Jack Wire                | 0.35 mm Phosphor bronze gold over nickel plating                                   |
| IDC conductor            | 0.5mm Phosphor bronze, tin-plating                                                 |
| Contact compatibility    | accommodate 23 to 26 AWG solid                                                     |
| Standards                | ANSI/TIA-568.2-D; ISO/IEC TR 11801-9901-2014 ; ISO/IEC 60603-7-41; YD/T 926.3-2009 |

**Product Specification**

