

Category 6A Shielded Die-Cast Keystone Jack

Techlogiks Cat 6A shielded keystone Jack is designed to easily snap in and out of the wall outlet, patch panel and surface mount box. Fully automatic press-fit production of PCB assembly to ensure consistency quality and complies with international standards up to 10GHz



Applications

- 10GBASE-T, 1000BASE-T, 100BASE-Tx, 10BASE-T, 155M ATM, 4/16MB Token Ring.
- TP-PMD, ISDN, ADSL, Analog & Digital Voice (VoIP) / Video.
- Power over Ethernet (PoE), Control Signal.

Standards

- Lead-free & RoHS2 compliant.
- ANSI/TIA-568-C.2, Category 6A with the applicable electrical transmission characteristics, ANSI/TIA-1096-A (FCC Part 68),
- Level A reliability requirements of IEC 60603-7-2 and IEC 60603-7-4 for RJ45.
- Compatible for T568A and T568B wiring schemes.

Specifications

Housing	Zinc Die casting, plated with nickel
Top Cover	Zinc Die casting, plated with nickel
Cap	Polycarbonate (PC resin), UL 94 V-2 rated, transparent black
Hook	Polycarbonate (PC resin), UL 94 V-2 rated, transparent black
Jack Contacts	Phosphor bronze flat wire, plated with hard gold on contact area over nickel under plate.
Contact Bracket	PBT, UL 94V-0 rated, Black
Grounding Tail	Stainless Steel
Grounding Clip	Stainless Steel
PCB	FR4, UL 94 V-0 rated
PCB Holder	Polycarbonate (PC resin) + Glass Fiber, UL 94V-2 rated, Black
IDC Terminals	Phosphorous bronze, plated with tin over nickel under plate.
IDC Block	Polycarbonate (PC resin) + Glass Fiber, UL 94 V-2 rated, White RoHS 2 compliant.
Conductor Diameters	26 AWG – 23 AWG
Insulation Diameters	0.8mm – 1.0mm
Cable Diameters	5mm – 9mm

Electrical Characteristics

Voltage proof:	1000V DC or AC peak, contact-to-contact.
Current-carrying capacity:	0.75Amps minimum
Contact resistance:	20mohm maximum
Insulation resistance:	500Mohm minimum at 100V DC
Input to output resistance:	200mohm maximum
DC resistance:	0.2ohm maximum

Mechanical Characteristics

Mechanical operation	750 cycles min. for insertion / withdrawal with modular plug. 20 cycles min. for cable re-termination.
Effectiveness of connector coupling devices	50N (11lbf) for 60s ± 5s.

Environmental Characteristics

Temperature	-10°C ~ 60°C
Humidity	10% ~ 90%RH

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
TL-JHC6AS	Cat 6A Shielded Die-Cast Keystone Jack