

# Keystone Jack

## CAT 6A – Shielded



**Genius** Cat 6A Shielded Keystone Jack is engineered for high-speed, interference-free data transmission in demanding network environments, supporting 10 Gigabit Ethernet with bandwidth up to 500 MHz. Its shielded construction protects against EMI, RFI, and alien crosstalk, ensuring stable signal integrity. The jack features gold-plated contacts for secure, long-lasting connections, while the standard snap-in keystone design enables quick installation in wall plates and patch panels

### Key Features

- 10 Gigabit Ethernet 10GBASE-T, Gigabit Ethernet 1000Base-T, HDBaseT & Voice, T1, ISDN
- Slim design, supports 24 keystones in 1 row, 1U
- Tool-Less installation
- Power over Ethernet (PoE) - PoE, PoE+ and PoE++
- Verified to ANSI/TIA Category 6A & ISO/IEC 11801 class Ea
- Support solid or stranded 22-24 AWG wires
- Compatible with horizontal cables of up to 9.0 mm outer diameter
- UL Listed & RoHS v3 Compliant
- Genius Network Brand performance warranty for 25 Years



## Product Specification

Jack Housing	Zinc die-casting with nickel plated
Jack Contact Bracket	Nickel Silver Alloy
Jack Contact Material	Phosphor bronze with nickel plated
Jack Contact Surface Finishing	50µin gold plated over contact area
IDC Housing	PC, UL 94V-0
IDC Terminal	Phosphor bronze with Nickel Plating
IDC Cap	PC, UL 94-HB
IDC Durability	30 Termination cycles
PCB Material	FR4, UL 94V-0
Plug Insertion Life/Mating Cycle	≥ 750 Cycles
Plug Retention Force	50 N   11.24 lbf
Supporting Wire Gauge	22 AWG to 24 AWG
Cable Compatibility	6 mm to 9 mm
Type of Fitment Compatibility	Compatible with RJ11 and RJ-45

## Electrical Parameter

Operating Frequency	500 MHz
Insulation Resistance	500 MΩ Minimum
Contact Resistance	20 mΩ
Current Rating	1.5 A
DC Resistance	0.1 Ohms
Dielectric Strength	1000 V RMS @ 60 MZ for 1 min

## Environmental Specification

Operating Temperature	-10°C to +60°C
Storage Temperature	-40°C to +70°C
Installation Temperature	-10°C to +60°C
Humidity	10% to 90% RH

## Standards, Certifications & Compliances

- UL Listed
- Compliance with UL 94
- RoHS v3 Compliant
- PoE Type IEEE 802.3bt PoE++ (4PPoE)
- Compliance with ANSI/TIA-568-C.2, ANSI/TIA-568.2-D, ANSI/TIA-568.2-E, ISO/IEC 11801 & CENELEC EN50173
- Compliance with IEC 60603- 7 & IEC 60512-99-002

## Ordering Information

Part Number	Product Description
GCTKYSTNA	Genius Cat 6A Shielded Keystone Jack Toolless