

# Category 6a Shielded 180 Degree Keystone Jack

Category 6a Shielded Twisted Pair 180 Degree 110 IDC Keystone Jack

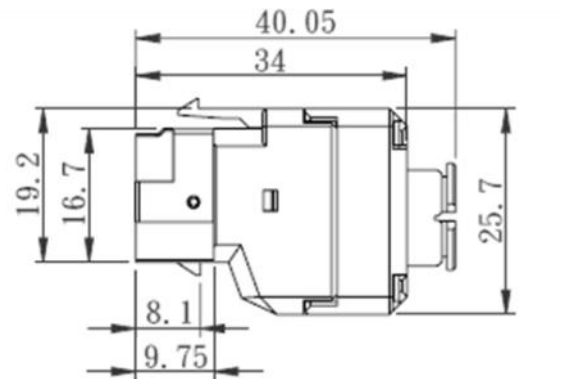
The Infinique 10G+ Cat. 6a Shielded Modular Jack is an important component of the Infinique 10G+ Cabling Solution. Fully shielded design of the modular jack optimizes shield effectiveness protection from EMI and alien crosstalk. Its rear shield protects IDC terminations and maintains shield effectiveness.

Infinique's 10G+ Cat.6A Shielded Modular jacks meets ANSI/TIA-568-B.2-10 and IEC 60603-7-5 performance requirements, and also exceeds ISO/IE 11801 2nd Edition and EN50173 2nd Edition requirements for transfer impedance and shield effectiveness. They are backwards compatible with Cat5e and Cat6 components.

## Features and Benefits

- Certification**  
 ETL Verified for performance as per ANSI/TIA-568-B.2-10 and ISO/IEC 11801 standards
- Reliable Performance**  
 Electrical performance guaranteed to meet or exceed the channel specifications of ANSI/TIA-568-B.2-10 and ISO/IEC 11801 of Category 6a
- Superior Design**  
 Stainless Steel Zinc Alloy Nickel Plated Housing, Phosphor Bronze with 50µ" Gold Contacts, 750 Mating Cycles, Dust Cover and Strain Relief UL-94V0, RoHS Compliant
- Performance Warranty**  
 Qualifies for the Infinique's 25 Years System Performance Link Warranty

## KEYSTONE JACK CONSTRUCTION



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## ELECTRICAL SPECIFICATIONS

Current Rating	1.5Amp max
Dielectric Strength	1000 V, AC RMS, 60 Hz/1min
Contact Resistance	20 mohm
Insulation Resistance	500 Mohm
Voltage Rating	150 VAV max
Temperature	-40°C ~ 70°C

## MATERIAL SPECIFICATIONS

RJ45 8-Pin Connector	FCC part 68, subpart F and IEC-60603-7 Compliant
Jack Contacts	Phosphor Bronze with 50µ" Gold over 100µ" Nickel Undercoat
IDC Plastic	PC, UL-94V0
IDC Contact	Phosphor Bronze, Tin over Nickel Undercoat
Terminations	Terminates 22~24 AWG
Insulation Diameter	0.70~1.40 mm
Insertion Life	750 Mating Cycles
Contact Force	100 grams with FCC Compliant 8P Plug
Plug Retention Force	11 LBF Min.
Durability	30 Termination Cycles
Jack Housing	Stainless Steel, Zinc Alloy Nickel Plated
Dust Cover and Strain Relief	Polycarbonate, UL94V.0

## STANDARDS/COMPLIANCE

Meets ANSI/TIA-568-B.2-10 Category 6s with the applicable electrical transmission characteristics  
Meets TIA/EIA TSB-40 requirements  
Meets ISO/IEC Generic Cabling Standard 11801:2002 ed.2.0  
Meets CENELEC Generic Cabling Standard EN50173 – 1:2002  
RoHS Compliant

## TYPICAL APPLICATIONS

100BASE-TX Fast Ethernet  
Token Ring  
1000BASE-T Gigabit Ethernet  
155 Mbps ATM  
Composite Video  
622 Mbps ATM

## ORDERING INFORMATION

Part Number	Description
INKJ6A180S	Category 6a Shielded 180 Degree 110 Keystone Jack, Stainless Steel

Delivery: One Modular Jack and One Strain Relief per bag.  
Packaging: 1) Bag - 1 Jack; 2) Carton - 50 Jacks

Infinique's Extended Product Warranty provides a 25-year product and applications assurance of compliance with the industry performance standards appropriate to the class of cabling installed. This is a link performance warranty, covering patch panel to outlet and may be applied for by an Authorized Infinique's Channel Partner who has designed, supplied and installed the system.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at [www.infinique.com](http://www.infinique.com) or email us at [sales@infinique.com](mailto:sales@infinique.com).

[www.infinique.com](http://www.infinique.com)

Product specification, design and availability subject to change without prior notice.

Infinique Copper Systems

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