



US-1014A

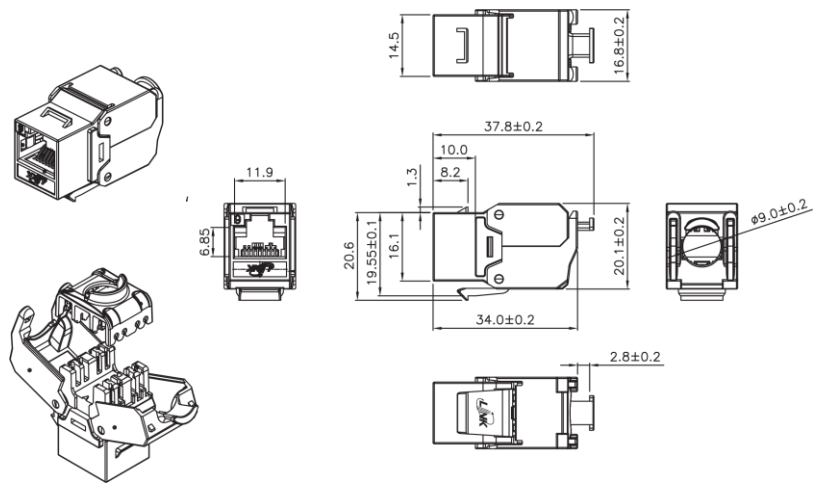


Shielded CAT 6 RJ45 Modular JACK (New Advanced)

Scope of Application

LINK Shielded CAT6 RJ45 modular jack has showed the embossed LINK logo on the front. The jack compliant ISO/IEC 11801:2017 Class E and ANSI/TIA-568.2-E requirements for category 6 performance. The modular jack are utilized a printed circuit board (PCB) technology to balanced signal transmission of insertion loss and crosstalk from 1 to 250MHz. The Jacks accept 26-22 AWG solid & stranded conductor and combine two wiring of T568A/B (Universal color pattern) for easy installation. Tool free cover cap is design for easy to install. The RJ45 modular jack shall be factory assembled with high quality control and 100% test.

Drawing



Technical Standard

- ANSI/TIA-568.2-E Category 6
- ANSI/TIA-568.2-D Category 6
- ANSI/TIA-568-C.2 Category 6
- ISO/IEC 11801:2017 class E
- EN 50173-1 Category 6
- UL 1863
- IEC 60603-7, FCC Part 68 Subpart F
- RoHS Compliant



Construction and Properties

Jack Contact	Material	Phosphor bronze with nickel plating and 50 microinches of gold plating on the plug contact area.
Jack Housing	Material	Zinc alloy, die-cast with nickel plated finish
Jack Contact Bracket	Material	PC, UL 94V-2, Transparent color
Rear Cap	Material	Zinc Die-casting with nickel plated
IDC Housing	Material	PC, Grey color, UL 94V-2
IDC Terminal	Material	Phosphor Bronze with Tin plate
Wiring Cap	Material	PC, White color, UL 94V-2 (T568A & T568B wiring)
Clip	Material	Stainless Steel

Electrical Characteristics

Insulated Resistance	500 mega Ohm's minimum
Dielectric Withstanding	1000 V AC
Current Rating	1.5 Amps
DC Resistance	0.1-ohm maximum
Contact Resistance	20 milliohms maximum

Physical Properties

Insertion Force		30 N
Retention Strength		7.7kg between Jack and Plug
Jack contact Durability		800 mating cycles
IDC contact Durability		200 re-termination cycles
Accommodate	Wire Gauge	26-23 AWG solid and stranded bare copper
	Insulation Diameter	0.8mm-1.2mm.
	Cable Diameter	5mm-9mm.
Termination Style		Tool free
Wiring Pattern		T568A/T568B (universal color pattern)
Cable Entry		180°
Temperature	Storage	-40°C to 70°C
	Operation	-40°C to 70°C



Application

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 1000 BASE-TX (TIA/EIA-854)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3i Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- IEEE 802.3af (PoE), IEEE 802.3at (PoE+), IEEE 802.3bt (Type4)
- TP-PMD, TPDDI, ISDN, CDDI, VoIP
- EtherCAT Industrial standard, HDBaseT 2.0 standard
- Baseband, Broadband
- Digital and analog for data, video, and audio application

Order Information

Part number	Description	Color
US-1014A	Shielded CAT 6 RJ45 Modular JACK (New Advanced)	Metallic

Specifications subject to change without notice.

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