



US-1026A

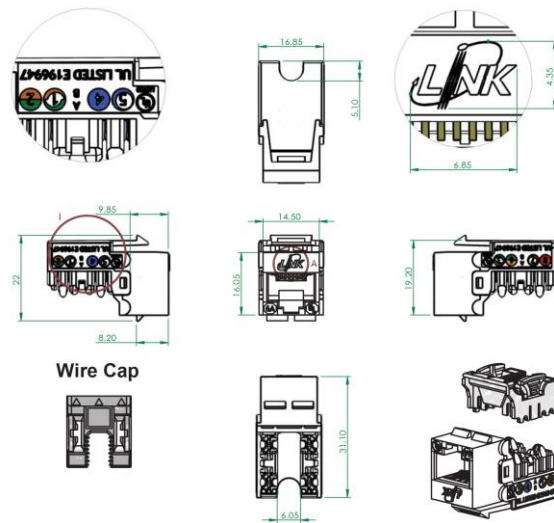


## CAT 6A UTP SUPER-S RJ45 JACK, FREE DIRECTION

### Scope of Application

CAT6A RJ45 modular jack has showed the embossed LINK logo on the front. The jack compliant ISO/IEC 11801:2017 Class EA and ANSI/TIA-568.2-E requirements for category 6A performance. Impedance matching technique for improving Return Loss and compensation methodology to counteract Near End Crosstalk & Far End Crosstalk. Free direction allows free cable-routing direction at limited depth. Small form factor (Slim type) design with transparent wire cap increases visual inspection of terminate wires. The Jacks accept 24-22 AWG solid & stranded conductor and combine two wiring of T568A/B (Universal color pattern) for easy installation. The RJ45 modular jack shall be factory assembled with high quality control and 100% test.

### Drawing



### Technical Standard

- ANSI/TIA-568.2-E Category 6A
- ANSI/TIA-568.2-D Category 6A
- ISO/IEC 11801:2017 class EA
- EN 50173-1 Category 6A
- UL 1863
- IEC 60603-7, FCC Part 68 Subpart F
- IEC 60512-27-100
- RoHS Compliant
- Approvals UL listed no. E196947



## Construction and Properties

<b>Jack Contact</b>	<b>Material</b>	Phosphor bronze with 50 μ-inch gold plating
<b>IDC Contact</b>	<b>Material</b>	Phosphor bronze Tin over nickel plating
<b>Jack Housing</b>	<b>Material</b>	ABS, UL 94V-0
<b>IDC Block</b>	<b>Material</b>	High-Impact Polycarbonate, UL 94 V-0
<b>Wire Cap</b>	<b>Material</b>	ABS, UL 94 V-0

## Electrical Characteristics

<b>Insulated Resistance</b>	500 Mega ohms minimum
<b>Dielectric Withstanding</b>	≤1000 V
<b>Current Rating</b>	≤1.5 Amps
<b>DC Resistance</b>	≤0.2 Ohm maximum
<b>Contact Resistance</b>	20 Milli ohms maximum.

## Physical Properties

<b>Pulling Force</b>	120 N minimum	
<b>Jack contact</b>	<b>Durability</b>	2000 mating cycles
	<b>Force</b>	100 grams minimum
<b>IDC contact</b>	<b>Durability</b>	200 re-termination cycles
<b>Accommodate</b>	<b>Wire Gauge</b>	24-22 AWG solid and stranded bare copper
	<b>Insulation Diameter</b>	0.8mm - 1.2mm.
	<b>Cable Diameter</b>	5mm-9mm.
<b>Termination Style</b>	110 IDC	
<b>Wiring Pattern</b>	T568A/T568B (universal color pattern)	
<b>Cable Entry</b>	90°, 180° And 270°	
<b>Temperature</b>	<b>Storage</b>	-40°C to 80°C
	<b>Operation</b>	-20°C to 80°C

## Application

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet)
- 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	Package
US-1026A	CAT 6A UTP SUPER-S RJ45 JACK, FREE DIRECTION	White	Pack

Specifications subject to change without notice.

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