

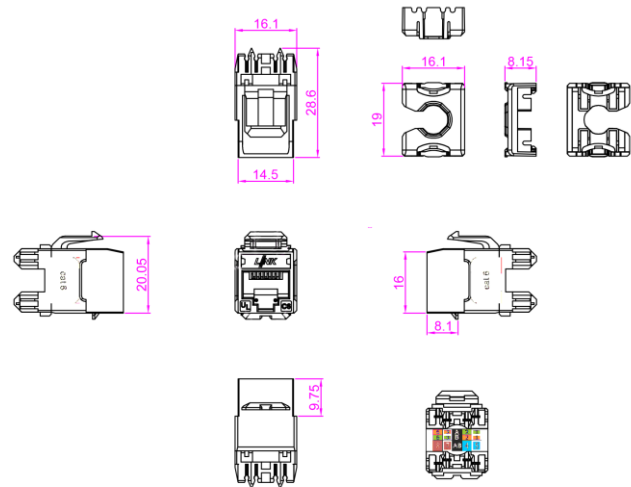


US-1006A

Scope of Application

New design LINK Category 6 RJ45 Slim White Jack with five color changing labels for easy management. Compliant ISO/IEC 11801 Class E and ANSI/TIA-568.2-D requirements for category 6 performance. The jack is utilized a printed circuit board (PCB) technology to balanced signal transmission of insertion loss and crosstalk. The unshielded jacks are design of 110 IDC impact tool and Krone insertion tools which can be protect of dust by cover cap.

Drawing



Technical Standard

- 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
- Approvals UL listed file no. E196947
- Intertek Certification no. 104047595CRT



Construction and Properties

Jack Contact	Material	Phosphor bronze with 50 micro inch nickel plated and 50 micro inch of gold over nickel plated in contact area
IDC Contact	Material	Phosphor bronze with 150 micro inch tin plated Over 70 micro inch nickel underplate
Jack Housing	Material	High Impact flame retardant plastic, UL 94 V-0, PC
IDC Block	Material	High Impact Polycarbonate, UL 94 V-0, PC
Cover Cap	Material	High Impact flame retardant plastic, UL 94 V-0, PC
Label	Material	Polycarbonate (PC) with embossed LINK logo
	Color	White, Blue, Red, Green and Yellow

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

Pulling Force		89 N (20 lbs) minimum
Jack contact	Durability	800 mating cycles
	Force	100 grams minimum
IDC contact	Durability	200 re-termination cycles
Accommodate	Wire Gauge	26-22 AWG solid and stranded bare copper
	Insulation Diameter	0.8mm-1.2mm.
	Cable Diameter	5mm-9mm.
Termination Style		110 IDC, KRONE
Wiring Pattern		T568A/T568B (universal color pattern)
Cable Entry		90°&180°
Temperature	Storage	-40°C to 70°C
	Operation	-40°C to 70°C



PERFORMANCE CHARACTERISTIC (meet or exceed ANSI/TIA-568.2-D Category 6)

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.02	85.0	83.7	52.5
4	0.02	80.5	75.0	53.7
8	0.02	77.5	69.5	55.3
10	0.03	76.5	67.5	56.1
16	0.03	73.0	63.0	57.6
20	0.04	72.1	61.7	59.3
25	0.04	69.1	60.0	59.4
31.25	0.05	67.7	58.2	56.8
62.5	0.06	61.5	52.6	42.3
100	0.06	57.7	48.8	33.4
200	0.06	52.5	42.2	21.2
250	0.10	48.0	40.3	17.5

Application

- 2.5G/5G BASE-T (IEEE 802.3bz)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet) *55m
- 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-1006A	Category 6, RJ45 Slim White Jack (Color Changeable)	White	Pack

Specifications subject to change without notice.

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