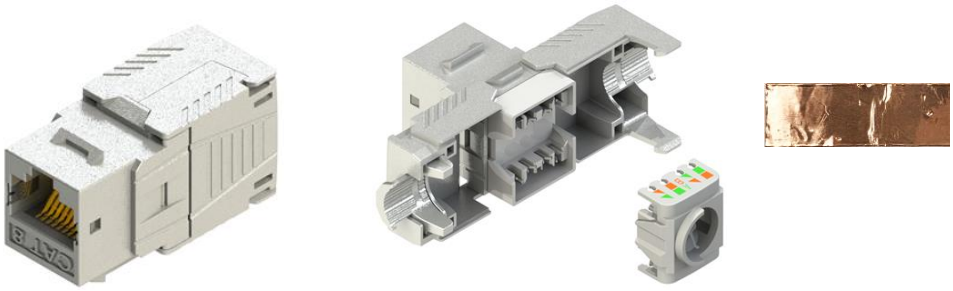

LINK Shield, Category 8 RJ45 Modular Jack

FEATURES AND BENEFITS

LINK Category 8 Shield RJ45 modular jack compliant component standard ISO/IEC 11801 Class I and ANSI/TIA-568.2-Drequirements for category 8 performance. The Jacks accept 22-24 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.

Standard Compliances

- ANSI/TIA-568.2-D Category 8
- ANSI/TIA-568-C.2-1 Category 8
- ISO/IEC TR 11801-99-1
- IEC 60603-7-5
- EN 50173-1

Applications Support

- 40G BASE-T (IEEE 802.3bq 40Gigabit Ethernet)
- 25G BASE-T (IEEE 802.3bq 25Gigabit Ethernet)
- 10G BASE-T (IEEE 802.3an 10Gigabit Ethernet)
- 1000 BASE-T (IEEE 802.3ab Gigabit Ethernet)
- 100 BASE-TX (IEEE 802.3u Fast Ethernet)
- 10 BASE-T (IEEE 802.3 Ethernet)
- 52/155/622Mbps and 1.2Gbps ATM
- 4/16 Mbps Token Ring
- POE, POE+ (IEEE 802.3af, IEEE 802.3at)
- POE++ (IEEE 802.3bt)
- TP-PMD, TPDDI, ISDN, VoIP
- Baseband, Broadband
- Analog & Digital Voice, Digital & Analog Video

ORDER INFORMATION

Part Number	Description	Color
US-1044TF	LINK Shield Category 8 RJ45 Modular Jack, Tool Free	Metal

ELECTRICAL CHARACTERISTIC

Current Rating	1.5 Amps
Contact Resistance	20 milliohm maximum
DC Resistance	0.1 ohm maximum
Insulated Resistance	500 megaohms minimum

PERFORMANCE CHARACTERISTIC

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	FEXT (dB)	Return Loss (dB)
1	0.01	76.0	73.0	31.2
4	0.01	76.0	73.0	31.2
8	0.01	76.0	73.0	31.2
10	0.04	76.0	73.0	31.2
16	0.06	76.0	73.0	31.2
20	0.08	74.2	71.2	30.9
25	0.08	74.2	71.2	30.9
31.25	0.11	74.2	71.2	30.9
62.5	0.13	74.2	71.2	30.9
100	0.16	74.2	71.2	30.9
155	0.20	72.5	69.5	28.8
200	0.25	72.5	69.5	28.8
300	0.31	69.2	66.2	22.5
600	0.42	64.3	61.3	17.4
1000	0.60	59.7	56.7	14.1
1500	1.02	37.8	34.8	14.1
1800	1.25	34.0	31.0	14.1
2000	1.37	34.0	31.0	14.1

CONSTRUCTION

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**	Zinc die-casting with nickel plated
IDC Block	**Material**	Polycarbonate High-Impact + glass fiber, UL 94 V-0
Cover Cap	**Material**	Polycarbonate + glass fiber, UL 94 V-0
Grounding Contact block	**Material**	Zinc die-casting with nickel plated
Copper Foil Tape	**Dimension**	30 mm x 10 mm (L x W)

PHYSICAL PROPERTIES

Pulling Force		89 N (20 lbs) minimum
Jack contact	**Durability**	750 mating cycles
	Force	100 grams minimum
IDC contact	**Durability**	200 re-termination cycles
Accept	**Wire Gauge**	22-24 AWG solid and stranded wire
	Cable Diameter	5 mm - 9 mm
Termination Style		110 IDC
Wiring Pattern		T568A/T568B (universal color pattern)
Temperature	**Storage**	-40°C to 70°C (-40°F to 158°F)
	Operation	

-END OF SPECIFICATION-