

Description

CONNECSYS Category 6, 110 Connect Modular Jack meets TIA/EIA-568-B.2-1 and ISO/IEC 11801 requirements for Category 6/Class E component performance. Universal wiring labels permit termination to either T568A or T568B wiring patterns.



Suitable Applications	Premise Horizontal Cable, Gigabit Ethernet 1000BASE-Tx, Fast Ethernet 100BASE-TX, 10/100BASE-Tx, token ring, 100BaseVG ANYLAN, Mbps 155ATM, 622ATM, 100 Mbps TP-PMD, ISDN, Analog and Digital Video and Analog and Digital Voice (VoIP)
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Specifications and Technical Data

Materials	Housing	Polycarbonate, 94V-2 rated
	Insertion	Flame Retardant Acrylonitrile Butadiene Styrene (ABS), 94V-2 rated.
	Contacts	Phosphorous bronze, plated with 1.27µm (50µ inch.) minimum thick gold in localized area.
	IDC Contacts	Phosphorous bronze in solder area over 1.27µm minimum thick nickel plating.
Acceptance	22 – 24 AWG	
Transmission performance	ANSI/TIA/EIA-568-B.2-1 standard	
Voltage Rating	125 VAC RMS	
Current Rating	1.5 AMP	
Contact Resistance	100 milliohms max.	
Insulation Resistance	1000 megohms min. @ 500 VDC	
Dielectric Strength	750 VAC RMS 60Hz, 1 MIN.	
Contact Re-termination	≥ 200	
Operating Temperature	Storage	-40°C to +85°C
	Operation	0°C to 70°C

Performance Data

Frequency (MHz)	Attenuation (dB)	Return Loss (dB)	NEXT (dB)	FEXT (dB)
1	0.10	30.0	75.0	75.0
4	0.10	30.0	75.0	71.1
8	0.10	30.0	75.0	65.0
10	0.10	30.0	74.0	63.1
16	0.10	30.0	69.9	59.0
20	0.10	30.0	68.0	57.1
25	0.10	30.0	66.0	55.1
31.25	0.11	30.0	64.1	53.2
62.5	0.16	28.0	58.1	47.2
100	0.20	24.0	54.0	43.1
200	0.28	18.0	48.0	37.1
250	0.32	16.0	46.0	35.1

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