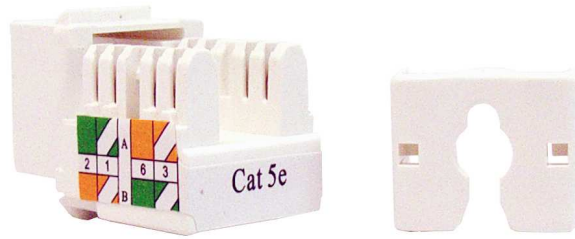


# MK-FOUR CAT 5E KEYSTONE JACK



## DESCRIPTION

- Category 5e 110Connect Modular Jacks exceed TIA/EIA-568-B.2 and ISO/IEC 11801 requirements for Category 5e/ Class D component performance. MK-FOUR™ Category 5e System complies with all of the performance requirements for current and proposed applications such as 10 and 100BASE-TX, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video, and analog and digital voice (VoIP).

## SPECIFICATIONS

Modular jacks shall be unshielded, 4-pair, RJ-45. Modular jacks shall terminate using 110-style pc board connectors, color-coded for both T568A and T568B wiring and be wired to T568A or T568B. The 110-style insulation displacement connectors shall be capable of terminating 22-26 AWG solid. The insulation displacement contacts shall be paired, with additional space between pairs, to improve crosstalk performance. The signal path, for crosstalk compensation. Each modular jack shall meet the TIA/EIA-568-B.2, Category 5e or ISO/IEC 11801 Class D performance standards.

### Worst-Case Performance Characteristics

(exceed EIA/TIA and ISO/IEC Category 5e/ Class D requirements)

Frequency MHz	Insertion Loss dB		Return Loss dB		NEXT dB		FEXT dB	
	Category 5e Standard	Max	Category 5e Standard	Min	Category 5e Standard	Min	Category 5e Standard	Min
1	0.1	0.01	30.0	58.3	65.0	87.3	65.0	86.6
4	0.1	0.02	30.0	48.8	65.0	76.6	63.1	76.1
8	0.1	0.03	30.0	43.7	64.9	70.7	57.0	70.5
10	0.1	0.02	30.0	42.2	63.0	69.1	55.1	68.9
16	0.2	0.1	30.0	38.5	58.9	64.8	51.0	65.3
20	0.2	0.08	30.0	36.7	57.0	63.0	49.1	63.5
25	0.2	0.06	30.0	35.0	55.0	61.1	47.1	61.7
31.25	0.2	0.04	30.0	33.1	53.1	58.9	45.2	60.0
62.5	0.3	0.06	24.1	27.5	47.1	52.6	39.2	54.7
100	0.4	0.08	20.0	24.0	43.0	47.6	35.1	51.0

## TECHNICAL DETAILS

### Materials

Modular Jack Housing	ABS/ PVC
110 Connecting Blocks	High impact flame retardant
Contacts	50u" gold plated over 100u" nickel
Insulation Displacement Contacts	50u" gold plated over 100u" nickel

### Electrical Characteristics

Modular Jack	800 mating cycles
110 Contacts	200 terminations
Pull Force	20 lbs. (89N)
Voltage	150VAC max.
Operating Temperature	-40°C to +70°C (-40° F to +158°F)