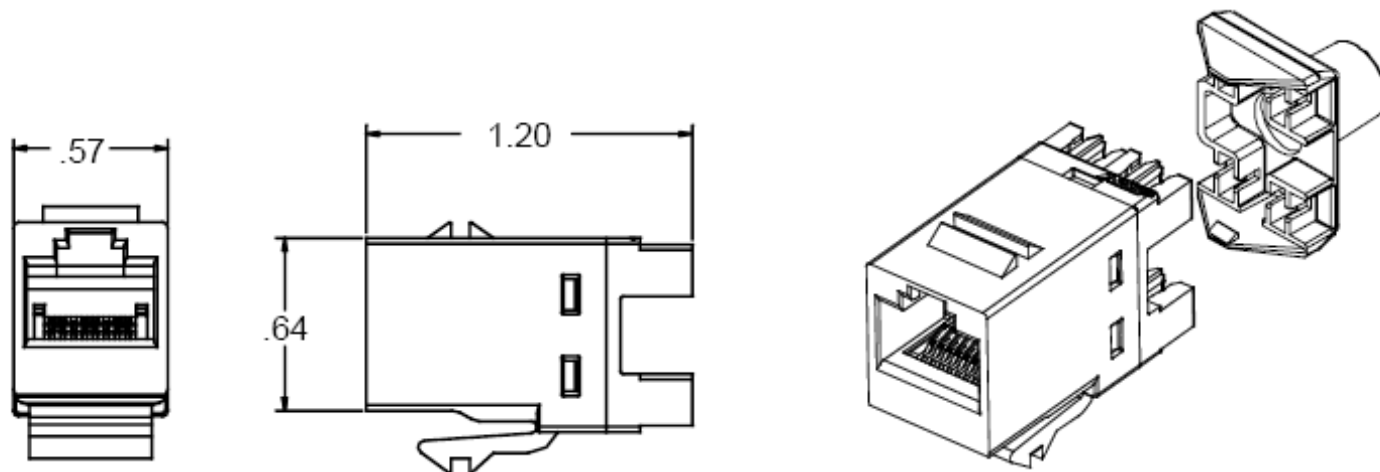


SL Series 110Connect Category 5E Jacks
1375191-X, 1375190-X, 1375189-1, 1479717-1



Description

AMP NETCONNECT Category 5E SL Series 110Connect Modular Jacks exceed TIA/EIA-568-B.2 and ISO/IEC 11801 requirements for Enhanced Category 5/Class D component performance. The AMP NETCONNECT Enhanced Category 5 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-TX), 10 and 100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video, and analog and digital voice (VoIP).

AMP NETCONNECT Category 5E SL Series 110Connect Modular Jacks have a slim profile and are compatible with SL Series and 110Connect faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. The modular jacks are available with and without integral dust covers and in a shielded version as well. Cables may be dressed at either 180° (rear) or 90° (either side) for added flexibility; shielded Modular Jacks have special shields to support this option. Patented bend-limiting strain relief may also be used to reduce stress on cable at point of termination and is included with each unshielded Modular Jack. SL Series 110Connect Modular Jacks are available in almond, black, white, gray, orange, blue, red, yellow, green, violet, and electrical ivory (see part number table for color samples).

Specification (text in brackets [] requires a choice)

Modular jacks shall be unkeyed, [unshielded or shielded], 4-pair, RJ-45, and shall fit in a .790" X .582" opening. Modular jacks shall terminate using 110-style pc board connectors, color-coded for both T568A and T568B wiring. Each modular jack shall be wired to [T568A or T568B]. The 110-style insulation displacement connectors shall be capable of terminating 22-24 AWG solid or 24 AWG stranded conductors. The insulation displacement contacts shall be paired, with additional space between pairs, to improve crosstalk performance. Modular jacks shall utilize a secondary PC board, separate from the signal path, for crosstalk compensation. Each modular jack shall meet the [TIA/EIA-568-B.2, Enhanced Category 5 or ISO/IEC 11801 Class D] performance standards and the requirements listed in the following table.

[include Performance Characteristics table from page 2]

Modular Jacks shall be compatible with AMP NETCONNECT SL Series Termination Tool part number 1725150-1. Each modular jack shall be provided with a bend-limiting strain relief. The strain relief shall provide cylindrical support to limit the bend radius at the point of termination. [Each jack shall incorporate an integral, hinged dust cover]. Modular jacks shall be UL Listed under file number E81956. Modular jacks shall be AMP NETCONNECT part number [1375191-X, 1375190-X, 1375189-1 or 1479717-1 (X denotes color, see part number table)] and be [almond, black, white, gray, orange, blue, red, yellow, green, violet, or electrical ivory] in color.

Part Number	Description
0-1375191-X	Category 5E SL Series Modular Jack, Unshielded
0-1375190-X	Category 5E SL Series Modular Jack, Unshielded, w/dust cover
0-1375189-1	Category 5E SL Series Modular Jack, Shielded

X denotes color: -1 = Almond, -2 = Black, -3 = White, -4 = Gray, -5 = Orange, -6 = Blue, -7 = Red, -8 = Yellow, -9 = Green, 1- -0 = Violet, 1- -1 = Electrical Ivory

Note: Shielded jacks are not available in colors and do not accept strain relief.

SL Series 110Connect Category 5E Jacks

1375191-X, 1375190-X, 1375189-1, 1479717-1

Worst-Case Performance Characteristics (exceed TIA/EIA and ISO/IEC Category 5e requirements)

Frequency, MHz	Insertion Loss, dB		Return Loss, dB		NEXT, dB		FEXT, dB	
	Spec	AMP	Spec	AMP	Spec	AMP	Spec	AMP
1	0.1	0.01	30	58.3	65.0	87.3	65.0	86.6
4	0.1	0.02	30	48.8	65.0	76.6	63.1	76.1
8	0.1	0.03	30	43.7	64.9	70.7	57.0	70.5
10	0.1	0.02	30	42.2	63.0	69.1	55.1	68.9
16	0.2	0.1	30	38.5	58.9	64.8	51.0	65.3
20	0.2	0.08	30	36.7	57.0	63.0	49.1	63.5
25	0.2	0.06	30	35.0	55.0	61.1	47.1	61.7
31.25	0.2	0.04	30	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	24.0	43.0	47.6	35.1	51.0
155	-	0.2	-	20.2	-	40.2	-	41.3
200	-	0.3	-	18.0	-	37.4	-	39.1
250	-	0.4	-	16.0	-	35.0	-	37.1
300	-	0.3	-	14.5	-	33.5	-	35.6
350	-	0.3	-	13.1	-	32.1	-	34.2

Durability:

Modular jack - 750 mating cycles
110 Block - 200 termination cycles

Materials:

Housing – Polyphenylene oxide, 94V-0 rated
110 Blocks - polycarbonate, 94V-0 rated.

Jack contacts – beryllium copper, plated with 1.27 µm [.000050] thick gold in localized area and 3.81 µm [.000150] minimum thick tin-lead in solder area over 1.27 µm [.000050] minimum thick nickel under plate.

Insulation Displacement Contacts - Phosphorous bronze, plated with 3.81µm [150µin] minimum thick bright tin-lead over 1.27µm [50µin] minimum thick nickel under plate

Electrical Characteristics:

Modular Jack – 750 mating cycles
Voltage – 150 VAC max.
110 Contacts – 200 terminations
Operating Temperature -40°C to +70°C (-40° – 158°F)

Mounting panel thickness: 1.473 - 1.600 mm [.058 - .063"].

Packaging: 1 per bag/25 bags per carton

Approvals: UL File Number E81956, CSA

Specifications subject to change without notice. Revised 5/07.

<http://www.ampnetconnect.com/thailand>

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