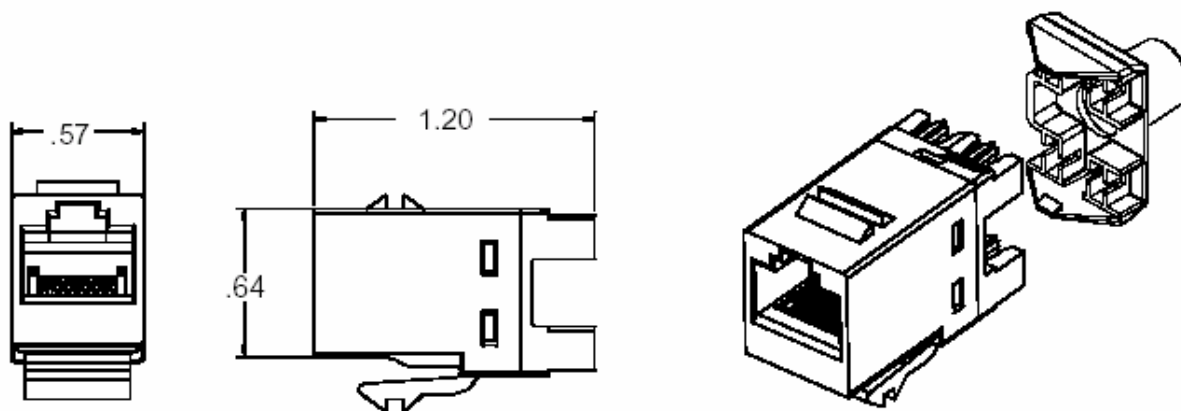


## SL Series 110Connect Category 6 Jacks

1375055-X, 1375187-X, 1375188-1



### Description

AMP NETCONNECT Category 6 jacks exceed TIA/EIA-568-B.2-1 and IEC 60603-7-4 requirements for Category 6 component performance. The AMP NETCONNECT Category 6 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet, 100BASETx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice. These slim profile jacks are compatible with SL Series and 110Connect faceplates. Universal wiring labels permit termination to either T568A or T568B wiring patterns. The jacks are available with and without integral dust covers and in a shielded version as well. Cables may be dressed at either 180° or 90° for added flexibility at various outlet locations. Patented bend-limiting strain relief may also be used to reduce stress on cable at point of termination.

### Specification (Text in brackets [ ] requires a choice.)

Modular jacks shall be unkeyed, 4-pair and shall meet the Category 6 performance requirements listed in the following table [\[include Performance Characteristics table from back page\]](#). Modular jacks shall fit in a .790" X .582" opening. Modular jacks shall be terminated using 110-style pc board connectors, colorcoded for both T568A and T568B wiring. The 110-style connectors shall be capable of terminating 22-24 AWG solid wire. 110 Contacts shall be paired (with additional space between pairs) to improve crosstalk performance. [\[Each jack shall be provided with a bend-limiting strain relief. The strain relief shall provide a "silo" to limit the bend radius at the point of termination \(unshielded jacks only\)\].](#) [\[Each jack shall incorporate an integral, hinged dust cover\]](#). Modular jacks shall utilize a secondary PC board, separate from the signal path, for crosstalk compensation. Each jack shall be wired to [\[T568A or T568B\]](#). Modular jacks shall be UL Listed under file number E81956. Modular jacks shall be AMP NETCONNECT part number [\[insert part number\]](#).

Part Number	Description
1375055-X	Category 6 modular jack, unshielded
1375187-X	Category 6 modular jack, unshielded, w/dust cover
1375188-1	Category 6 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 6 Jacks

1375055-X, 1375187-X, 1375188-1

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### Worst-Case Performance Characteristics (exceed TIA and IEC Category 6 requirements)

Frequency, MHz	Insertion Loss, dB		Return Loss, dB		NEXT, dB		FEXT, dB	
	Spec	AMP	Spec	AMP	Spec	AMP	Spec	AMP
1	0.1	0.02	30	52.4	75	84.8	75	83.7
4	0.1	0.02	30	53.7	75	80.3	71.1	74.8
8	0.1	0.02	30	55.3	75	77.4	65	69.4
10	0.1	0.03	30	56.1	74	76.4	63.1	67.5
16	0.1	0.03	30	57.6	69.9	72	59	62.9
20	0.1	0.04	30	59.3	68	71.9	57.1	61.7
25	0.1	0.04	30	59.4	66	69.1	55.1	59.8
31.25	0.11	0.05	30	56.8	64.1	67.7	53.2	58.2
62.5	0.16	0.06	28.1	42.3	58.1	61.5	47.2	52.6
100	0.2	0.06	24	33.2	54	57.7	43.1	48.7
200	0.28	0.06	18	21.2	48	52.5	37.1	42.2
250	0.32	0.1	16	17.4	46	47.9	35.1	40.1

### 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  $\mu\text{m}$  [.000050] thick gold in localized area and 3.81  $\mu\text{m}$  [.000150] minimum thick tin-lead in solder area over 1.27  $\mu\text{m}$  [.000050] minimum thick nickel underplate.

**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 2/07.

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

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