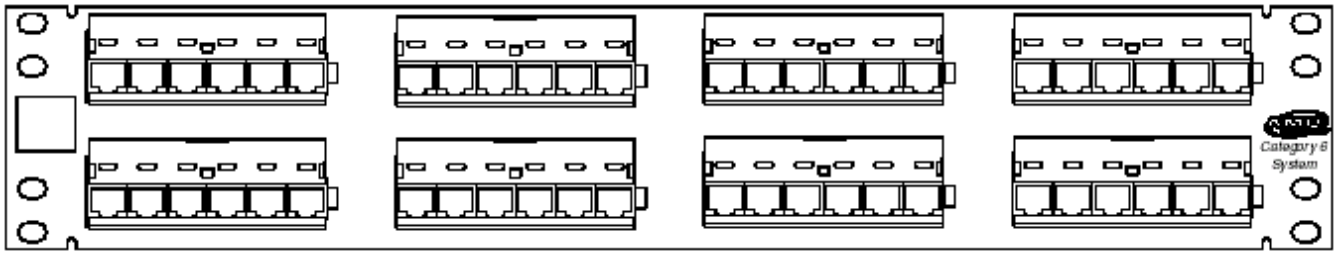
SL Series 110Connect Category 6 Patch Panel

1375013-1, 1375014-1, 1375015-1, 1375016-1



Description
AMP NETCONNECT Category 6 SL Series 110Connect Patch Panel exceeds TIA/EIA-568-B.2-1, TIA/EIA 568-C and ISO/IEC 11801 requirements for Category 6/Class E component performance, EIA-364, IEC 60068, IEC 60512 and ASTM D4566-98. The AMP NETCONNECT Category 6 System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-T), 10 and 100BASE-TX, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog and digital video (Baseband-Broadband), and analog and digital voice (VoIP).

AMP NETCONNECT Category 6 SL Series Patch Panels are available in 12-, 24-, 48- and 96-Port, loaded and unloaded versions. Universal wiring labels permit field installation to either T568A or T568B wiring, while simplifying ordering and inventorying. The "6-pack" modules accept 9mm and 12mm labels (included) as well as color-coded icons. Each “6-pack” module comes loaded or unloaded (for 24-, 48- and 96-Port versions) with six individual Category 6 Jacks (shipped bagged for unloaded versions), enabling each port to be individually replaced if necessary. This design allows for even and repeatable performance testing for each port. Unloaded versions allow installers to make use of the AMP NETCONNECT SL Series Termination Tool (P/N: 1725150-1) for even greater performance standardization and repeatability.

Specification (text in brackets **[ ]** requires a choice)
Category 6 patch panels shall be **[1U, 24-Port or 2U, 48-Port]**, wired to **[T568A or T568B]**, and shall accept RJ-45, 8-Position modular plugs. Patch panels shall be configured as 6-port modules with individually replaceable jacks. The front of each module shall be capable of accepting 9mm to 12mm labels. Each port shall be capable of accepting an icon to indicate its function. Patch panels shall terminate the building cabling on 110-style insulation displacement connectors (IDC). **[Patch panels shall be supplied unloaded with jacks bagged separately, for termination using AMP NETCONNECT SL Series Termination Tool (p/n: 1725150-1).]** The installed system shall comply with the Category 6 performance characteristics listed in the following table.

Part Numbers

Description	Number of Ports	Height, in.	Width, in.	Part Number
Category 6 SL Series 110Connect Patch Panel	12	10.00*	2.328	1375013-1
	24	1U(1.75)	19	1375014-2
	48	2U(3.5)		1375015-2
	96	4U(7.0)		1375016-2

denotes packaging: -1 = loaded, -2 = unloaded, jacks bagged
* Panel dimensions. Panel mounts vertically on 89D brackets (included).

Worst-Case Performance Characteristics (exceed TIA/EIA 568-C.2 and ISO/IEC 11801 Class E requirements)

Frequency, MHz	Insertion Loss, dB		Return Loss, dB		NEXT, dB		FEXT, dB	
	Spec	AMP	Spec	AMP	Spec	AMP	Spec	AMP
1	0.10	0.02	30	52.4	75.0	84.8	75.0	83.7
4	0.10	0.02	30	53.7	75.0	80.3	71.1	74.8
8	0.10	0.02	30	55.3	75.0	77.4	65.0	69.4
10	0.10	0.03	30	56.1	74.0	76.4	63.1	67.5
16	0.10	0.03	30	57.6	69.9	72.0	59.0	62.9
20	0.10	0.04	30	59.3	68.0	71.9	57.1	61.7
25	0.10	0.04	30	59.4	66.0	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	42.3	58.1	61.5	47.2	52.6
100	0.20	0.06	24	33.2	54.0	57.7	43.1	48.7
200	0.28	0.06	18	21.2	48.0	52.5	37.1	42.2
250	0.32	0.10	16	17.4	46.0	47.9	35.1	40.1

Technical Details

Materials	
Connector Housing Interface (6-Pack Module) –	Polyester molding compound, black
Panel –	Steel, black powder coat
Modular Jack Housing –	Polyphenylene oxide, 94V-0 rated
110 Connecting Blocks –	Polycarbonate, 94V-0 rated
Contacts –	Beryllium copper, plated with 1.27µm [50µin] thick gold in localized area and 3.81µm [150µin] 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
Integral Dust Cover –	Polycarbonate
Shield –	Copper zinc alloy 260, pre-plated with bright nickel
Strain Relief –	Polycarbonate
Electrical Characteristics	
Modular Jack –	750 mating cycles
110 Contacts –	200 terminations
Pull Force –	20lbs (89N)
Voltage –	150VAC max
Operating Temperature –	-40°– 70℃ (-40°– 158℉)
Contact resistance –	20 milliohms maximum
Insulation Resistance –	500 Meg ohms minimum
Voltage proof –	1000VAC, IEC 60512-4-1
Vibration Test –	IEC 60512-6-4
Approvals	
UL File Number E81956, CSA	
RoHS Compliant	
FCC PART 68 SUBPART F	

Specifications subject to change without notice. Revised 03/11

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