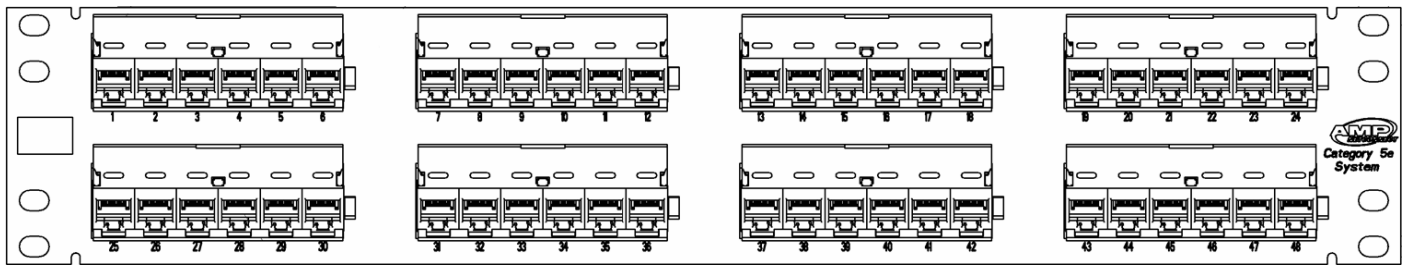


# 110Connect Category 5E SL Patch Panels

1479153-X, 1479154-X, 1479155-X, 1479156-X



## Description

AMP NETCONNECT Category 5E SL patch panels exceed TIA/EIA-568-B.2-1 and ISO/IEC 11801 requirements for Category 5E component performance. The AMP NETCONNECT Category 5E System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet, 100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband, baseband) and digital video and analog and digital (VoIP) voice. The universal wiring label permits field installation to either T568A or T568B wiring while simplifying ordering and inventory. The "6-pack" modules accept 9mm and 12mm labels (included) as well as color-coded icons. The jacks may be individually replaced if necessary.

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

Category 5E patch panels shall be [insert height] high and provide [insert number of ports] modular jack ports, wired to [T568A or T568B]. 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. The installed system shall comply with the Category 5E performance characteristics listed in the following table [insert table from back page]. Patch panels must be UL Listed under file number E81956. Patch panels shall be AMP NETCONNECT part number [insert AMP NETCONNECT part number] or an approved equivalent.

Part Number	Number of Ports	Height, in.	Width, in.
0-1479153-2	12	10.015*	2.328
0-1479154-2	24	1.75	19
0-1479155-2	48	3.5	
0-1479156-2	96	7	

\* Panel dimensions. Panel mounts vertically on 89D bracket (included).

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**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:**

Panel - black powder-coated steel  
 Jack 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)

**Approvals:** UL File Number E81956

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

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

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