

AMPTRAC 110Connect Enhanced Category 5e
Patch Panels
1435367-1, 1435368-1



Description

AMP NETCONNECT AMPTRAC Enhanced Category 5e patch panels exceed TIA/EIA-568-B.2-1 and IEC 60603-7-4 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 AMPTRAC patch panel is equipped with the patented IDC contact sensor pads to enable the AMPTRAC connectivity management system. The jacks may be individually replaced if

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

AMPTRAC 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 patch panel shall be equipped with integrated sensor contacts to enable the AMPTRAC connectivity management system. The sensor contacts shall allow for IDC termination of the I/O cables. 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 shall be AMP NETCONNECT part number [insert AMP NETCONNECT part number] or an approved equivalent.

Part Number	Number of Ports	Height, in.	Width, in.
1435367-1	24	1.75	19
1435368-1	48	3.50	

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Typical Worst-Case Performance Characteristics (exceed TIA Category 5e, TIA/EIA-568-B.2-1)

Frequency, MHz	Attenuation, dB		NEXT, dB		PS NEXT, dB		FEXT, dB		Return Loss, dB	
	Spec	AMP	Spec	AMP	Spec	AMP	Spec	AMP	Spec	AMP
1	0.1	0.05	65.0	85.9	–	83.9	65.0	83.5	35.0	54.2
4	0.1	0.05	65.0	72.7	–	70.9	63.1	73.1	35.0	47.8
8	0.1	0.05	64.9	66.9	–	65.0	57.0	67.5	35.0	42.8
10	0.1	0.05	63.0	64.9	–	63.0	55.1	65.5	35.0	41.0
16	0.2	0.10	58.9	60.7	–	58.9	51.0	61.5	35.0	37.2
20	0.2	0.10	57.0	58.9	–	57.1	49.1	59.8	34.0	35.5
25	0.2	0.10	55.0	56.9	–	55.1	47.1	57.8	32.0	33.7
31.25	0.2	0.10	53.1	54.9	–	53.0	45.2	55.8	30.1	31.8
62.5	0.3	0.15	47.1	49.0	–	46.7	39.2	50.2	24.1	26.2
100	0.4	0.20	43.0	44.5	–	41.9	35.1	45.9	20.0	22.6

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 underplate.

Packaging:

1435367-1 1 per box/ 5 boxes per carton, 9 lbs.
 1435368-1 1 per box/ 5 boxes per carton, 13 lbs.

Specifications subject to change without notice.

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In the U.S. 1-800-553-0938

Canada 905-475-6222

Mexico 525-729-0400

South and Central Americas 54-11-4733-2200

www.ampnetconnect.com

e-mail: networking.help@tycoelectronics.com

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