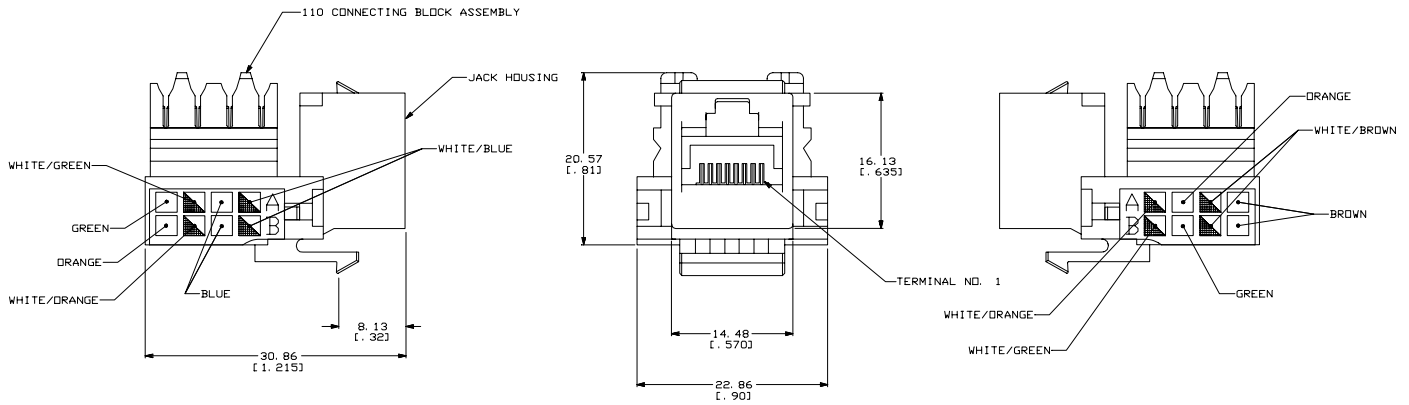


Category 5e 110Connect Modular Jacks

406372-X, 406374-X



Description

AMP NETCONNECT Category 5e 110Connect Modular Jacks exceed TIA and ISO requirements for Enhanced Category 5 performance. The AMP NETCONNECT Category 5e System complies with all of the performance requirements for current and proposed applications such as Gigabit Ethernet (1000BASE-Tx), 10/100BASE-Tx, token ring, 155 Mbps ATM, 100 Mbps TP-PMD, ISDN, analog (broadband [550 MHz] and baseband) and digital video and analog and digital voice (VoIP). AMP NETCONNECT Cat5e 110Connect Modular Jacks feature universal wiring labels which permit field installation to either T568A or T568B wiring, simplifying both ordering and inventory. The 110Connect punchdown blocks are compatible with both standard 110 and Krone single wire tools. AMP NETCONNECT Category 5e 110Connect Modular Jacks are available in keyed or unkeyed versions.

Specification (text in brackets [] requires a choice)

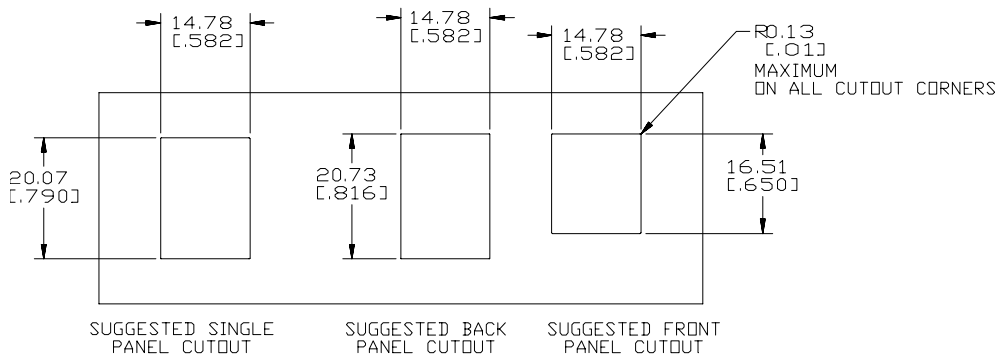
Modular jacks shall be [keyed or unkeyed], RJ-45 (8-position – 4-pair) and shall meet EIA/TIA-568-B requirements for Category 5e component performance as well as the performance requirements listed in the following table [include Performance Characteristics table from second page]. Modular jacks shall fit in a .790" X .582" opening. Modular jacks shall be terminated using a 110-style pc board connector, color-coded for both T568A and T568B wiring. Each modular 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 [406372-X or 406374-X (X indicates color, see part number table below)].

Part Numbers

Description	Part Numbers	
	Unkeyed	Keyed
Category 5e, 110Connect Modular Jack	406372-X	406374-X

X denotes Jack 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

Cutout Dimensions



Category 5e 110Connect Modular Jacks

406372-X, 406374-X

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

Frequency, MHz	Attenuation, dB		NEXT, dB		PS NEXT, dB		FEXT, dB		Return Loss, dB	
	Standard	Max.	Standard	Min.	Standard	Min.	Standard	Min.	Standard	Min.
1	0.1	0.03	65.0	84.7	–	82.7	65.0	79.7	35.0	55.9
4	0.1	0.03	65.0	74.1	–	71.7	63.1	71.8	35.0	50.3
8	0.1	0.03	64.9	68.2	–	66.0	57.0	66.2	35.0	45.7
10	0.1	0.03	63.0	66.2	–	64.0	55.1	64.3	35.0	44.0
16	0.2	0.04	58.9	62.2	–	60.0	51.0	60.5	35.0	40.5
20	0.2	0.05	57.0	60.2	–	58.0	49.1	58.6	34.0	38.8
25	0.2	0.06	55.0	58.2	–	56.0	47.1	56.7	32.0	37.0
31.25	0.2	0.07	53.1	56.2	–	54.1	45.2	54.8	30.1	35.2
62.5	0.3	0.07	47.1	49.9	–	47.4	39.2	48.9	24.1	29.7
100	0.4	0.11	43.0	46.5	–	43.2	35.1	44.7	20.0	26.2
155	–	0.20	–	38.1	–	37.3	–	29.1	–	18.8
200	–	0.22	–	33.4	–	35.1	–	26.8	–	16.2
250	–	0.24	–	29.0	–	33.0	–	24.7	–	13.9
300	–	0.27	–	27.2	–	31.4	–	23.2	–	12.2
350	–	0.29	–	24.6	–	30.0	–	21.8	–	10.5

Technical Details

Materials

- Housing – Polyphenylene oxide, 94V-0 rated
- 110 Blocks – Polycarbonate, 94V-0 rated
- Jack Contacts – Phosphorous bronze, plated with 1.27µm [.000050in] thick gold in localized area and 3.81µm [.000150in] minimum thick tin-lead in solder area over 1.27µm [.000050in] minimum thick nickel underplate.

Durability

- Modular Jack – 750 mating cycles
- 110 Blocks – 200 termination cycles

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

Packaging – 1 per bag/25 bags per carton, weight - 0.87 lb/carton

Approvals – UL Listed, File Number E81956



Specifications subject to change without notice.

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