

Power Over Ethernet PoE Midspan Injector Category 5 1 Port 802.3af Type B

PI-1C5-AFB PoE Injector



Features

- IEEE 802.3af compatibility
- Power supply not included
- Midspan type PoE injector with Type B wiring
- Rugged die cast aluminum enclosure with integral mounting feet
- 1 port design

Applications

- IP Cameras
- VoIP (Voice over Internet Protocol) Telephones
- Access points, bridges, amplifiers and amplified antennas
- Building and control systems
- Digital signage
- Network switches
- Lighting systems
- Traffic systems
- Smart home and building
- POS systems

Description

Transtector's PI-1C5-AFB single-port Category 5 (Cat 5) Midspan/Injector (also known as PoE Passive Splitter) is a commercial grade Power-over-Ethernet device that provides DC power for one PoE-equipped device. It is compatible with AP's and other equipment supporting the IEEE standard PoE pinout (Pins 4&5 Power + / Pins 7&8 Power -). PoE is used to supply power to devices such as Cameras, Access Points, IP Phones, and the like eliminating the need for an outlet near the devices and extra power cables. The PI-1C5-AFB features shielded RJ45 jacks. This along with a metal housing helps reduce the effects of EMI interference. A ground lug and terminal is provided directly on the injector housing providing superior grounding. The cast aluminum housing includes integral mounting feet for ease of installation. This unit does not come with a power supply. The user can choose the appropriately sized power supply based on the equipment needs up to 60 volts DC or AC. Please see Transtector's PIPS series of power supplies to purchase one separately or look to other parts in the PI- injector family that do come with a power supply included. Transtector also sells Ethernet surge protection devices and Ethernet cables capable of connecting PoE devices. Check out Transtector's website and buy online today.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Ethernet Connectors		RJ45 Jack		
PoE Version		802.3af		
Ethernet Standard		Category 5, 10/100Base-T		
Max Current			1	A
Voltage Rating DC (Input)			56	VDC
Voltage Rating DC (Output)			56	VDC
Power Connector		2.5mm DC Jack		
Wire Type		Type B		

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Power Over Ethernet PoE Midspan Injector Category 5 1 Port 802.3af Type B](#)

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Mechanical Specifications

Size

Height	1.2 in	[30.48 mm]
Width	1.4 in	[35.56 mm]
Length	3.6 in	[91.44 mm]
Weight	0.31 lbs	[140.61 g]
Housing Material	Aluminum Alloy	
Grounding Lug	Yes	
Mounting Type	Mounting Feet	

Environmental Specifications

Operating Temperature, Injector	0 to +50 deg C
Environment Type	Indoor

Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [Power Over Ethernet PoE Midspan Injector Category 5 1 Port 802.3af Type B](#)

URL: <https://www.transtector.com/poe-injector-category-5-1-port-rj45-jack-pi-1c5-afb-p.aspx>

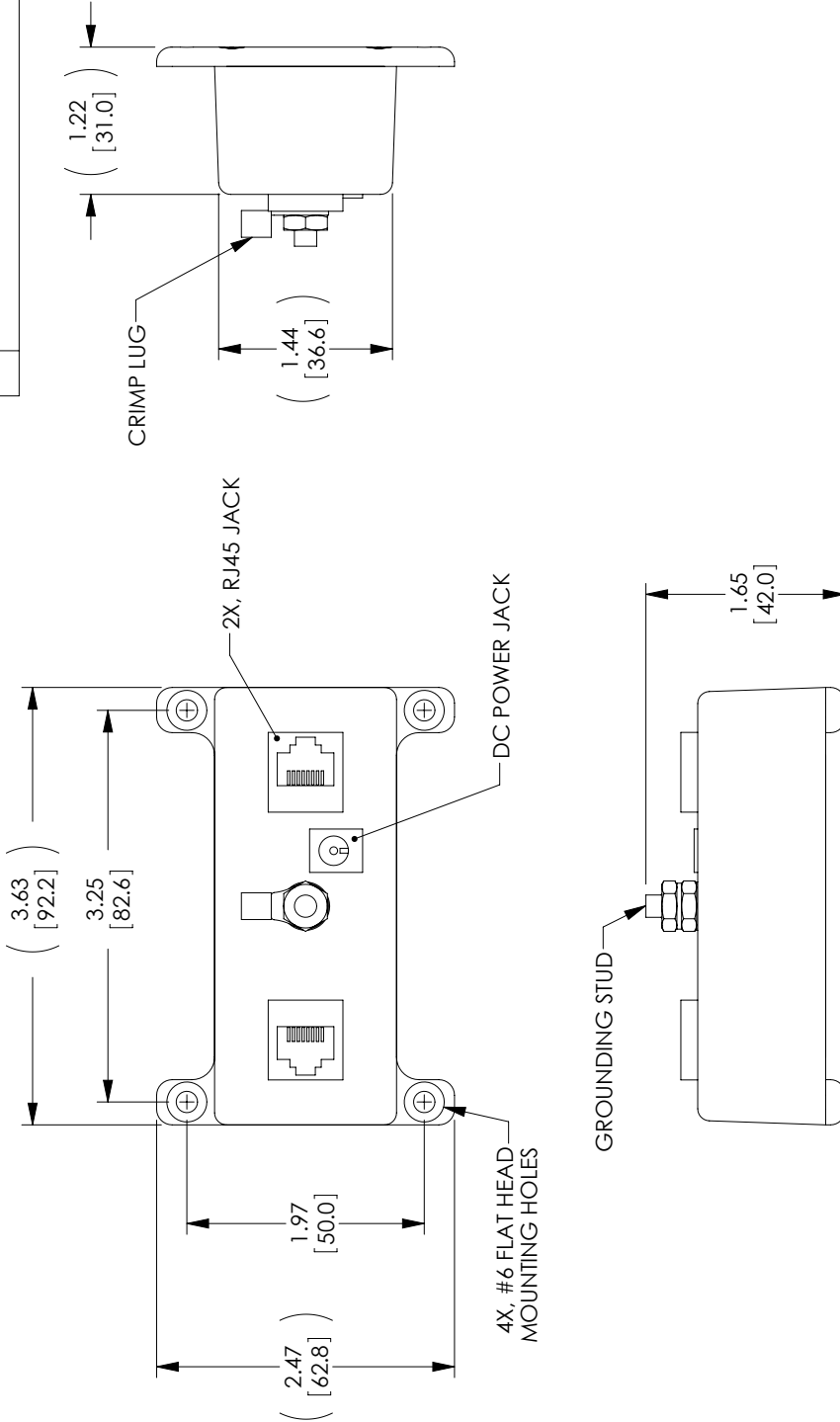
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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CAD Drawing

1 2 3 4 5 6 7 8

REV	DESCRIPTION	DATE	APPROVED
A	CN INITIAL RELEASE	03/13/20	DGUITADAURO



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 an INFINITE brand	10701 Airport Road, Heyden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041
	POWER OVER ETHERNET PRODUCT DESCRIPTION POE INJECTOR CAT5 1PORT 802.3AF B
APPROVALS DRAWN BY: D.CUI CHECKED BY: SPAN APPROVED BY: DGUITADAURO	DATE 03/06/20 03/06/20 03/06/20
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [MM] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0 >12 [305] ≤60 [1524] = +2 [51] / -0 >60 [1524] ≤120 [3048] = +4 [102] / -0 >120 [3048] ≤300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL OTHER DIMENSIONAL TOLERANCES: .X = ± .2 [5] FRACTIONS ± 1/32 .XX = ± .02 [1.3] ANGLES ± 1° .XXX = ± .005 [1.3]	CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY COLOR VARIATIONS MAY OCCUR
CAGE CODE: 30992 SCALE: NONE CAD FILE: PI-1C5-AFB.SLDDRW	ITEM NO.: PI-1C5-AFB REV.: A SHEET 1 OF 1

- NOTES:**
1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED
 2. ALL DIMENSIONS FOR REFERENCE ONLY