

## Power Over Ethernet PoE Midspan Injector Category 5 1 Port 802.3af Type B w/ Power Supply 48 Volts at 48 Watts

### PI-1C5-AFB-4848 PoE Injector



#### Features

- IEEE 802.3af compatibility
- Includes 48VDC @ 48 Watt power supply
- 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-4848 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-4848 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 kit includes the protector/injector and a 48VDC @ 48W power supply (PIPS-48V48W-R25MMDC). 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)			48	VDC
Voltage Rating DC (Output)			48	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 w/ Power Supply 48 Volts at 48 Watts](#)

Power Over Ethernet PoE Midspan Injector Category 5 1 Port  
802.3af Type B w/ Power Supply 48 Volts at 48 Watts

## PI-1C5-AFB-4848 PoE Injector



### 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	1.45 lbs	[657.71 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 w/ Power Supply 48 Volts at 48 Watts](#)

URL: <https://www.transtector.com/poe-injector-category-5-1-port-rj45-jack-pi-1c5-afb-4848-p.aspx>

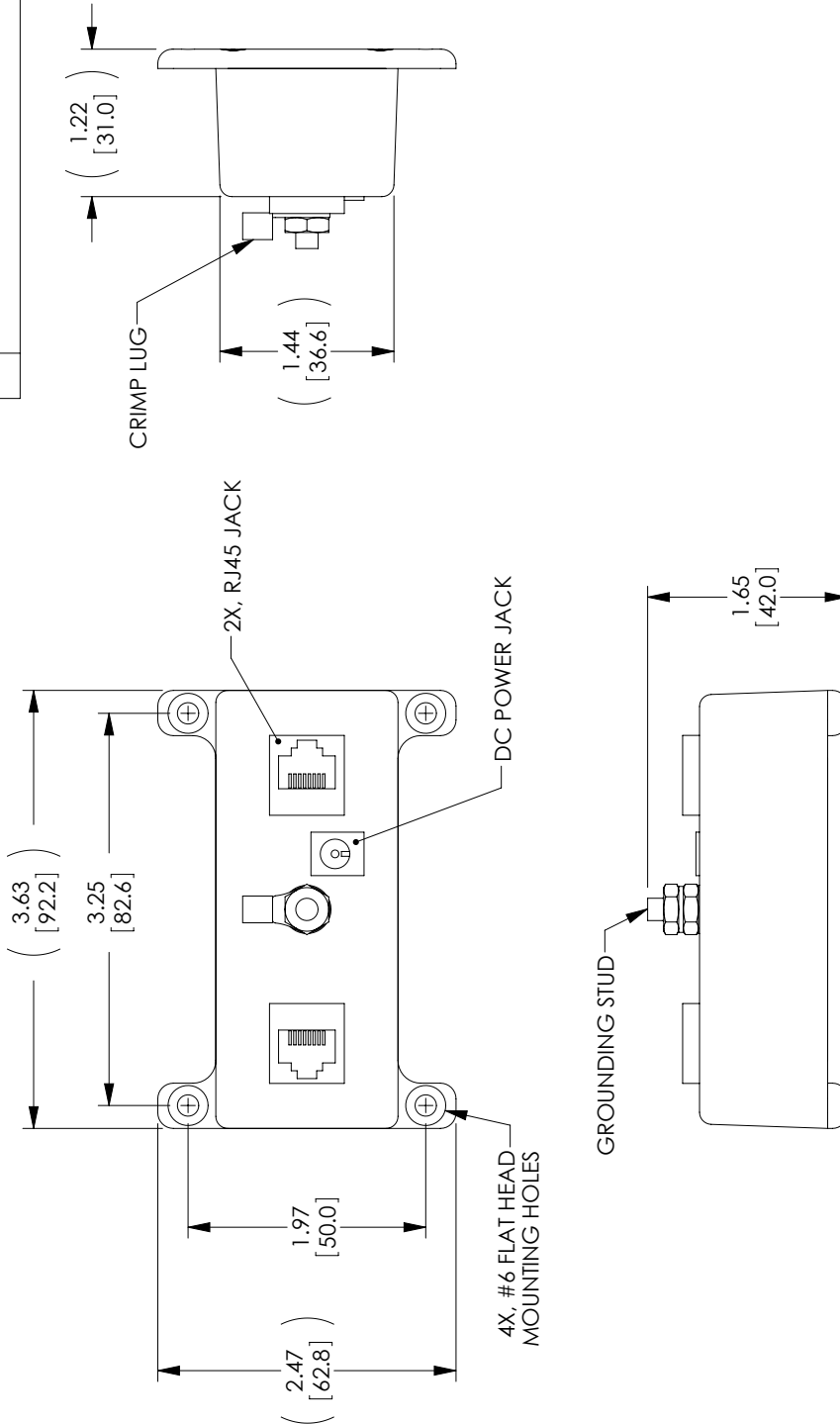
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such 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.

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

Type B w/ Power Supply 48 Volts at 48 Watts

CAD Drawing

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



NOTES:

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

<b>TRANSTECTOR</b> an INFINITE brand		DATE	10701 Airport Road, Hoyden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041
APPROVALS	DATE	03/06/20	
DRAWN BY D.CUI	CHECKED BY SPAN	03/06/20	
APPROVED BY DGUTADAURO	03/06/20		
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [mm] OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] ≤40 [1024] = +1 [25] / -0 >12 [305] ≤40 [1024] = +2 [51] / -0 >40 [1024] ≤120 [3048] = +4 [102] / -0 >120 [3048] ≤300 [7620] = +6 [152] / -0 >300 [7620] = +5% / -0 ALL OTHER DIMENSIONAL TOLERANCES: .XX = ± .02 [5] FRACTIONS .XXX = ± .005 [1.3] ANGLES ± 1°			
THIRD-ANGLE PROJECTION		COLOR VARIATIONS MAY OCCUR	REV. A
CAGE CODE		ITEM NO.	PI-1C5-AFB-4848
SCALE: NONE		CAD FILE: PI-1C5-AFB-4848.SLDRAW	SHEET 1 OF 1

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