

Power Over Ethernet PoE Midspan Injector Category 5 4 Port  
802.3af Type B w/ Power Supply 48 Volts at 70 Watts

## PI-4C5-AFB-4870

### 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
- 4 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-4C5-AFB-4870 quad port Category 5 (Cat 5) PoE Midspan/Injector (also known as PoE Passive Splitter or Tap) is a commercial grade Power-over-Ethernet device that supplies power for up to four 10/100 Base-T Power-over-Ethernet, PoE equipped network devices like Wireless Access Points, Bridges, Wired Switches, Cameras and IP Telephones with PoE capability. The unit will work with network appliances that use the spare Ethernet data pairs to receive power. The PI-4C5-AFB-4870 features surge protection on the DC power feed and all lines are isolated from the chassis to minimize ground loops. This kit includes the protector/injector and a 48VDC @ 70W power supply (PIPS-48V70W-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			0.5	A
Voltage Rating DC (Input)			48	VDC
Voltage Rating DC (Output)			48	VDC
Operating Voltage DC			60	VDC
Operating Voltage AC			60	VAC
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 4 Port 802.3af Type B w/ Power Supply 48 Volts at 70 Watts](#)

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**PI-4C5-AFB-4870**  
PoE Injector



### Mechanical Specifications

#### Size

Height	1.5 in	[38.1 mm]
Width	2.5 in	[63.5 mm]
Length	4.5 in	[114.3 mm]
Weight	1.18 lbs	[535.24 g]
Housing Material	Aluminum	
Grounding Lug	Yes	
Mounting Type	Mounting Feet	

### Environmental Specifications

Operating Temperature, Injector	-40 to +80 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.

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URL: <https://www.transtector.com/poe-injector-category-5-4-port-rj45-jack-pi-4c5-afb-4870-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.

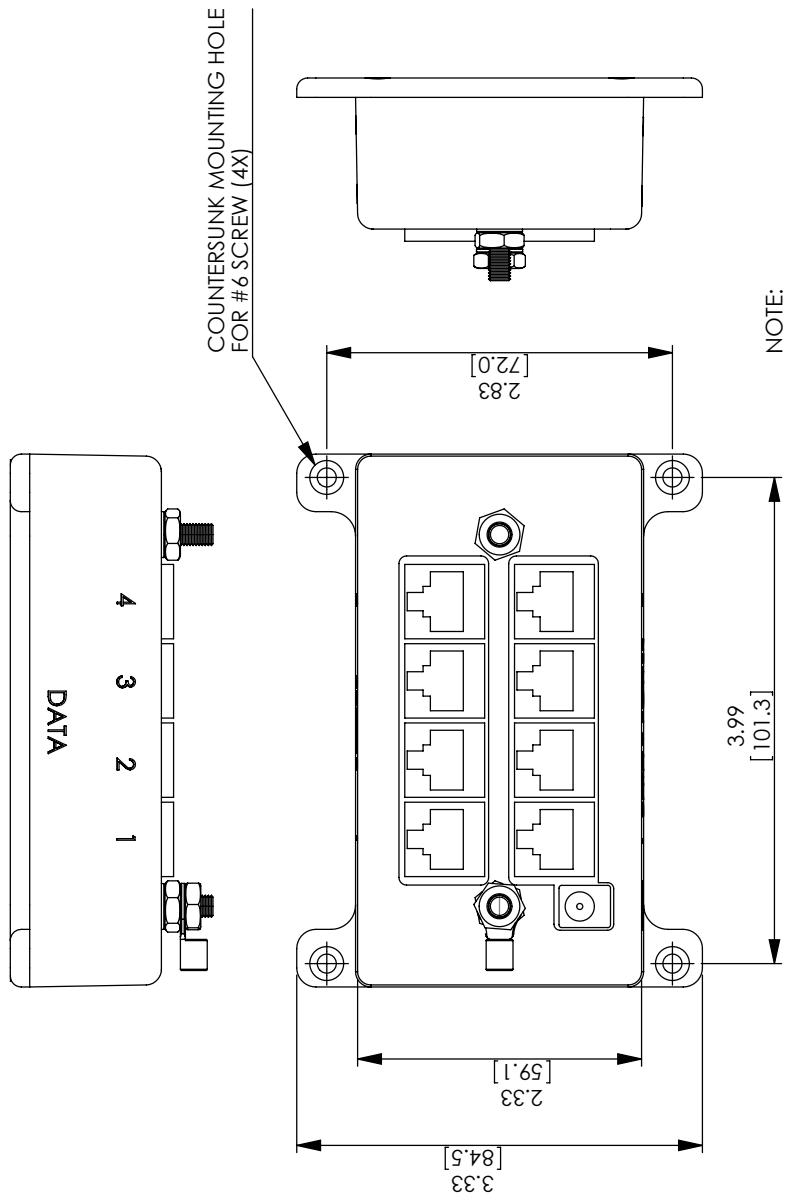
## Power Over Ethernet PoE Midspan Injector Category 5/4 Port 802.3af

Type B w/ Power Supply 48 Volts at 70 Watts

# CAD Drawing

REV		DESCRIPTION	REVISIONS	DATE	AP
A		C/N INITIAL RELEASE		03/13/20	DGM

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1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED

## 2. ALL DIMENSIONS FOR REFERENCE ONLY

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]; OVERALL CABLE LENGTH TOLERANCE: S1 [T1] (305) = +1 [25] / -0 >12 [305] -5[60] [1524] = +2 [51] / -0 >60 [1524] -5[10] [3048] = +4 [102] / -0 >120 [3058] -5[30] [7620] = +6 [152] / -0 >300 [7620] = +8 [203] / -0		APPROVALS	DATE
DRAWN BY D. CUI		03/09/20	DRAWN BY S. PAN
CHECKED BY S. PAN		03/09/20	APPROVED BY D. GUDIADUA
CATEGORY		POWER OVER ETHERNET	
		PRODUCT DESCRIPTION POE INJECTOR CAT5 4PORT 802.3AF B 48V70W	
ALL OTHER DIMENSIONAL TOLERANCES: $X = \pm 2 [5]$ $XX = \pm 0.02 [0.5]$ $XXX = \pm 0.005 [1.3]$		CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	
THIRD ANGLE PROJECTION		COLOR VARIATIONS MAY OCCUR	ITEM NO. <b>A</b>
		SIZE <b>A</b>	CAGE CODE <b>30992</b>
		SCALE: NONE	CAD FILE: PI-4C5-AFB-4870.DRW
		REV. <b>A</b>	SHEET 1 OF 1