

Power Over Ethernet PoE Midspan Injector Category  
6 4 Port 802.3af Type B 48 Volts at 70 Watts

## PI-4C6-AFB-4870

### PoE Injector



#### Features

- IEEE 802.3af compatibility
- Includes 48VDC @ 70 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-4C6-AFB-4870 quad-port Gigabit Category 6 (Cat 6) Midspan/Injector is a commercial grade Power-over-Ethernet device that provides DC or AC power for up to four 10/100/1000 Base-T Power-over-Ethernet, PoE equipped network devices. 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 unit uses Gigabit transformers on all four data pairs in contrast to cheaper designs that only use transformers for two pairs. It is compatible with devices that support the IEEE 802.3af standard PoE power feed using Mode B (Pins 4/5 and 7/8). The PI-4C6-AFB-4870 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 @ 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 6, 10/100/1000Base-T		
Max Current			1	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		

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 6 4 Port 802.3af Type B 48 Volts at 70 Watts](#)

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# PI-4C6-afb-4870

## PoE Injector

## Wire Type

## Type B

## 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	1.08 lbs	[489.88 g]
Housing Material	Aluminum	
Grounding Lug	Yes	
Mounting Type	Mounting Feet	

## Environmental Specifications

Operating Temperature, Injector Environment Type -40 to +70 deg C  
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 6 4 Port 802.3af Type B 48 Volts at 70 Watts](#)

URI : <https://www.transtector.com/poe-injector-category-6-4-port-ri45-jack-pi-4c6-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.

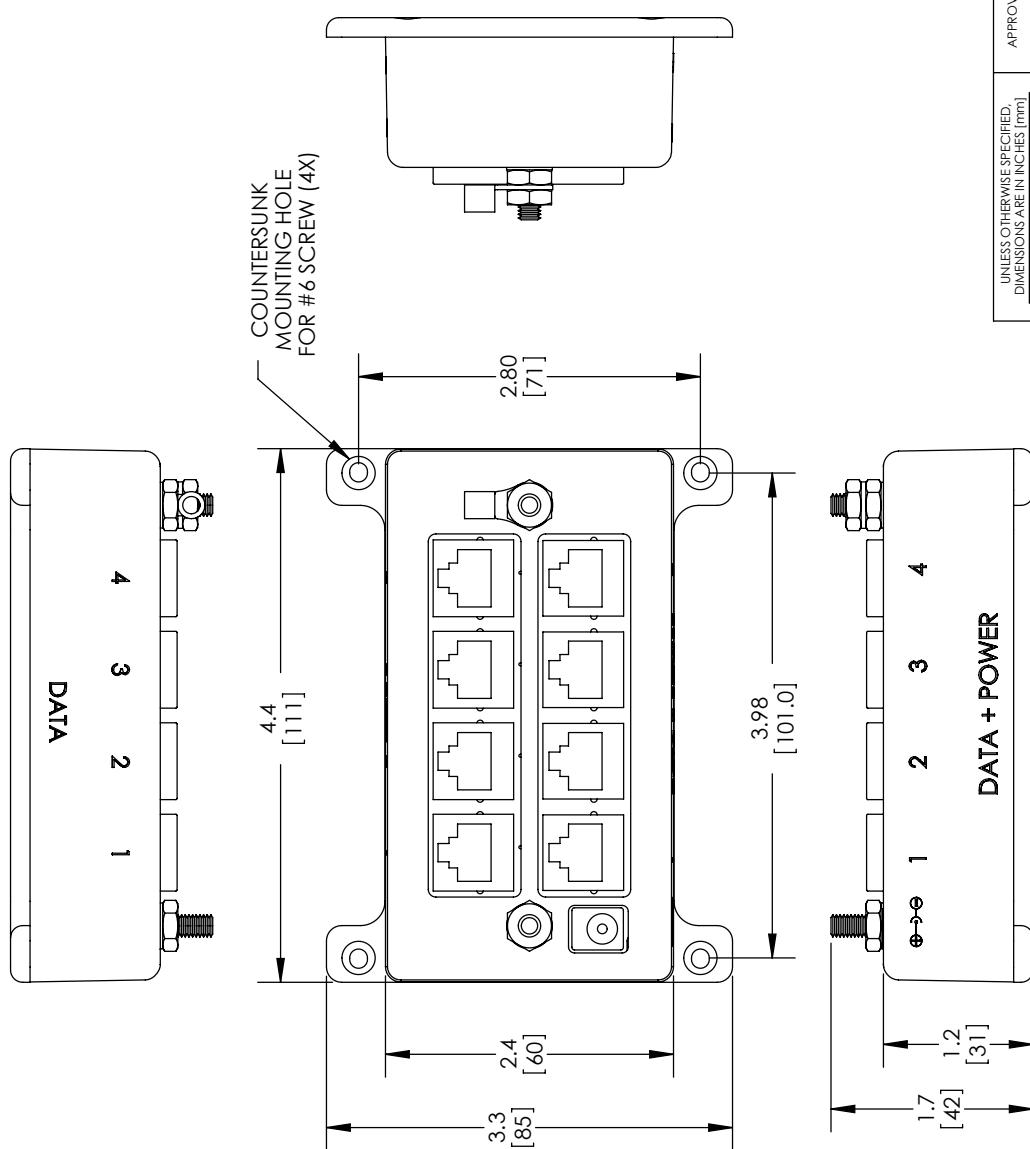
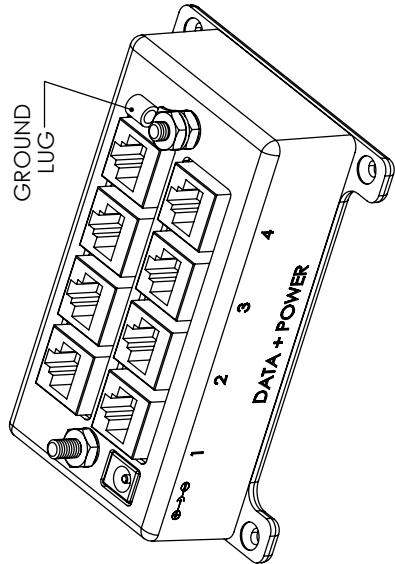
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# CAD Drawing



## NOTE

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

1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY IDENTIFIED AND MARKED.

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [mm]		APPROVALS		DATE	10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041			
OVERALL PART LENGTH TOLERANCE: 12 [305] 12 [305] = +1 [25] / -0		DRAWN BY	D.C.U.	03/09/20	an INFINITI® brand			
>12 [305] 560 [1524] = +2 [51] / -0		CHECKED BY	SPAN	03/09/20	CATEGORY			
>60 [1524] 12 [308] = +4 [50] / -0		APPROVED BY	GD/UTA/DAUR	03/09/20	POWER OVER ETHERNET			
>120 [3048] 520 [1320] = +6 [52] / -0		PRODUCT DESCRIPTION		POE INJECTOR CAT6 4PORT 802.3AF B 48V70W				
>300 [7620] = +5% / -0		CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES		ITEM NO. PI-4C-6-AFB-4870				
ALL OTHER DIMENSIONAL TOLERANCES: $X = \pm .025$ [0.635] $XX = \pm .02$ [0.5] $XXX = \pm .005$ [1.3]		UNDIMENSIONED FEATURES MAY VARY		SITE	CAGE CODE	REV.		
THIRD ANGLE PROJECTION		COLOR VARIATIONS MAY OCCUR		A	30992	A		
				SCALE: NONE	CAD FILE: PI-4C-6-AFB-4870.DWG	SHEET 1 OF 1		