

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

PI-1C5E-AFB-LP-4848 PoE Injector



Features

- IEEE 802.3af compatibility
- Includes 48VDC @ 48 Watt
- Midspan type PoE injector with Type B wiring
- Rugged die cast aluminum enclosure with integral mounting feet
- 1 port design
- Lightning and surge protection included

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-1C5E-AFB-LP-4848 single-port Category 5e (Cat 5e) Midspan/Injector (also known as PoE Passive Splitter) is a commercial grade Power-over-Ethernet device that provides DC or AC power for one 10/100 Base-T Ethernet Power-over-Ethernet, PoE equipped network device. 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. 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 unit supports both positive and negative DC as well as AC power up to 60 volts. The PI-1C5E-AFB-LP-4848 features integral surge protection for the data and power feeds. The unit eliminates the need for an external surge protector and is designed to provide protection for expensive indoor equipment. The design provides protection for both common and differential mode surges. This unit can also be used as a stand alone lightning surge protector. The PI-1C5E-AFB-LP-4848 features shielded RJ45 jacks. This along with a metal housing helps reduce the effects of EMI interference. A ground lug and terminal is located 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 5e, 10/100/1000Base-T		
Max Current			1.5	A
Voltage Rating DC (Input)			48	VDC
Voltage Rating DC (Output)			48	VDC

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 5e 1 Port 802.3af Type B w/ Lightning Protection & Power Supply 48 Volts at 48 Watts](#)

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Operating Voltage DC	60	VDC
Operating Voltage AC	60	VAC
Power Connector	2.5mm DC Jack	
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	-40 to +70 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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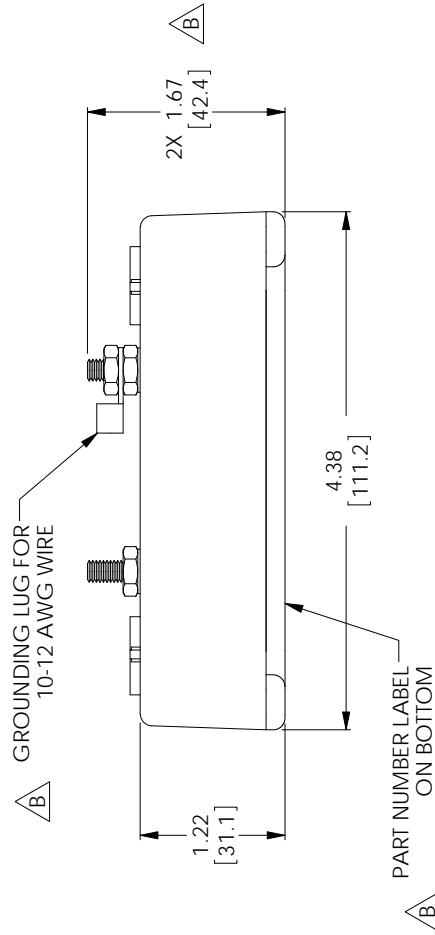
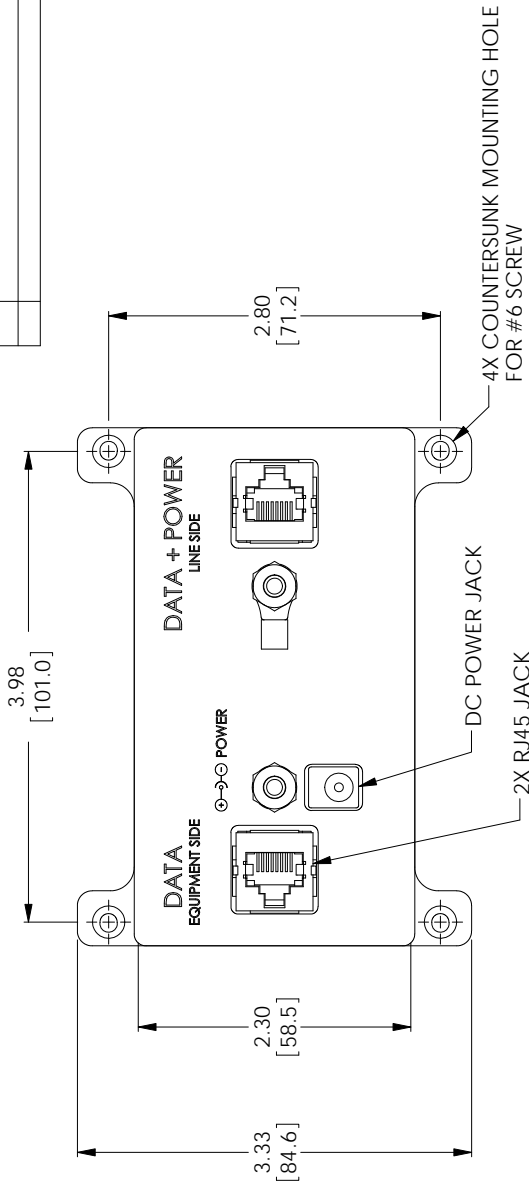
URL: <https://www.transtector.com/poe-injector-category-5e-1-port-rj45-jack-pi-1c5e-afb-lp-4848-p.aspx>

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.

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B w/ Lightning Protection & Power Supply 48 Volts at 48 Watts

CAD Drawing

REV	DESCRIPTION	DATE	APPROVED
A	ON INITIAL RELEASE	03/13/2020	GUITADARO
B	ECN 10492: REVISED STUD FROM 22-18 TO 10-12, ADDED LABEL NOTE	05/14/2020	GUITADARO



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APPROVALS	DATE	TRANSTECTOR	10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041
DRAWN BY DCUI	03/05/2020	an INFINITO brand	
CHECKED BY SPAN	03/05/2020	CATEGORY	
APPROVED BY GUITADARO	03/05/2020	POWER OVER ETHERNET	
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES [MM]			
OVERALL CABLE LENGTH TOLERANCE:			
<12 [305] <60 [1524] = +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]			
XX = ± 0.2 [5]			
XXX = ± 0.06 [1.3]			
ANGLES ± 1°			
THIRD-ANGLE PROJECTION			
CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY			
COLOR VARIATIONS MAY OCCUR			
POE INJECTOR CAT5E 1PORT 802.3AF B W/ LP			
SIZE	CAGE CODE	ITEM NO.	REV
A	30992	PL-1C5E-AFB-LP-4848	B
SCALE: NONE CAD FILE: PL-1C5E-AFB-LP-4848.SDDRW SHEET 1 OF 1			

NOTE:

1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED

2. ALL DIMENSIONS FOR REFERENCE ONLY