

Power Over Ethernet PoE Midspan Injector Category 5e
1 Port 802.3af Type B w/ Lightning Protection



PI-1C5E-AFB-LP

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
- 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 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 features integral surge protection for the data and power feeds. This 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 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 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 5e, 10/100/1000Base-T		
Max Current			1.5	A
Voltage Rating DC (Input)			56	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](#)

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PoE Injector

Voltage Rating DC (Output)	56	VDC
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	0.45 lbs	[204.12 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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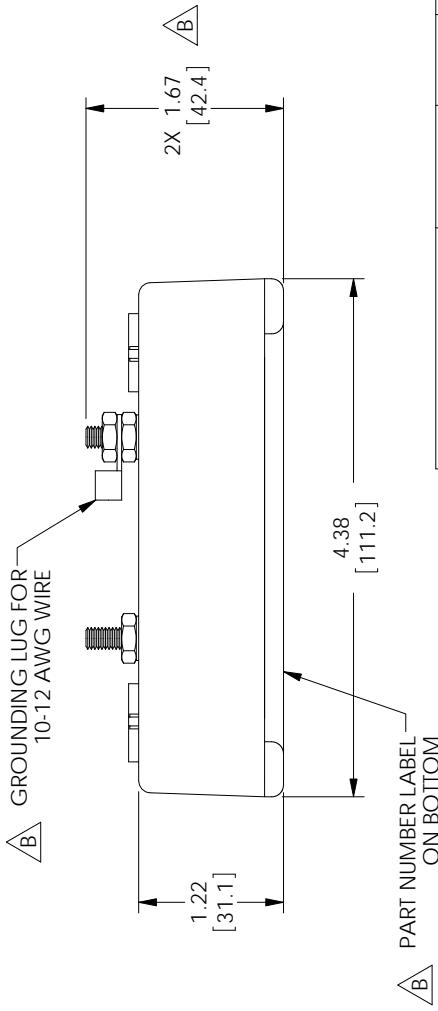
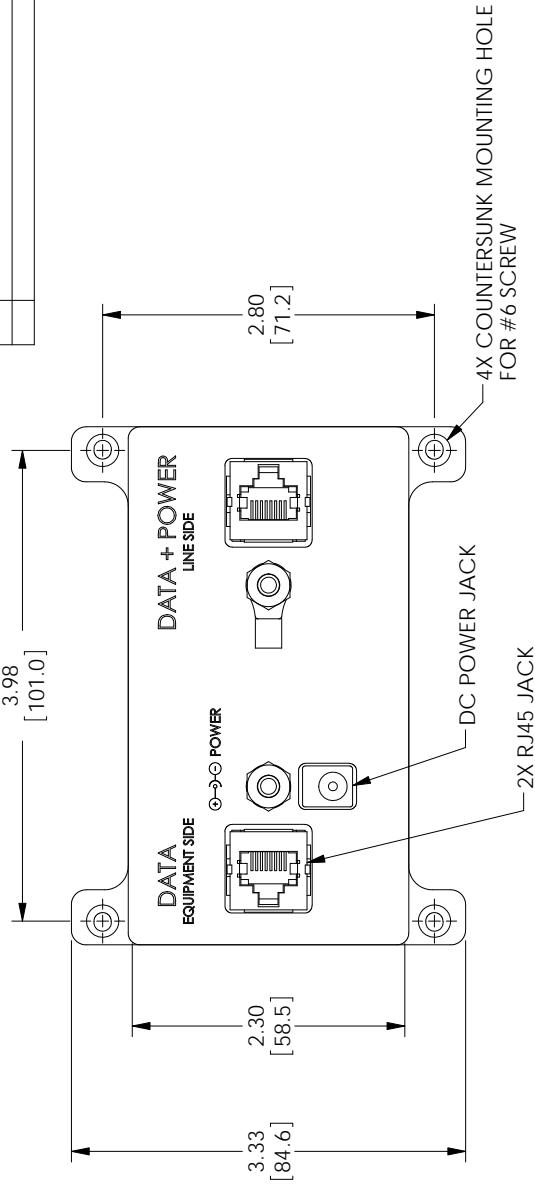
URL: <https://www.transtector.com/poe-injector-category-5e-1-port-rj45-jack-pi-1c5e-afb-lp-p.aspx>

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

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1 COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED

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

NOTE:

<p>ON BOTTOM</p> <p></p> <p>NOTE:</p> <p>1. COMPONENT ASSEMBLY SHALL BE INDIVIDUALLY PACKAGED</p> <p>2. ALL DIMENSIONS FOR REFERENCE ONLY</p>		<p>UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES (mm).</p> <p>OVERALL CABLE LENGTH TOLERANCE: ≤12 [305] = +1 [25] / -0</p> <p>>12 [305] -360 [1524] = +2 [51] / -0</p> <p>>60 [1524] ≤120 [3048] = +4 [102] / -0</p> <p>>120 [3048] ≤300 [7620] = +6 [152] / -0</p> <p>>300 [7620] = +15% / -0</p> <p>ALL OTHER DIMENSIONAL TOLERANCES: $X = \pm 2.15$ $X = \pm .02 [5]$ $X = \pm .005 [1.3]$</p> <p>THIRD ANGLE PROJECTION</p> <p></p>	
		APPROVALS DRAWN BY DCU CHECKED BY SPAN	DATE 03/05/2020 APPROVED BY GUTTADURO
<p>TRANSPECTOR an INFINIT brand</p>		CATEGORY POWER OVER ETHERNET	<p>10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041</p>
		PRODUCT DESCRIPTION POE INJECTOR CAT5E 1PORT 802.3AF BW/ LP	
		CONFIGURATION DETAILS OF UNDIMENSIONED FEATURES MAY VARY	
		COLOR VARIATIONS MAY OCCUR	<p>SIZE A</p> <p>CAGE CODE 30992</p> <p>ITEM NO. P1-1C5E-AFB-LP</p>
		SCALE: NONE	REV B
		CAD FILE: P1-1C5E-AFB-LP-SLDDRW	
		SHEET 1 OF 1	