

## Power Over Ethernet PoE Midspan Injector Category 6 1 Port 802.3af Type B DIN Rail Mount 56V at 118 Watts

### PI-1C6-AFB-DN-56118 PoE Injector



#### Features

- IEEE 802.3af compatibility
- Includes 56VDC @ 117.6 Watt power supply
- Midspan type PoE injector with Type B wiring
- Rugged die cast aluminum enclosure with DIN rail mount
- 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-1C6-AFB-DN-56118 single-port, DIN rail, Gigabit Category 6 (Cat 6) Midspan/Injector is a commercial grade Power-over-Ethernet device that provides DC or AC power for one 10/100/1000 Base-T Power-over-Ethernet, PoE equipped network device. 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-1C6-AFB-DN-56118 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 injector can be mounted to a DIN 3 rail using the DIN mounting clip located on the rear of the device. This kit includes the protector/injector and a 56VDC @ 118W power supply (PIPS-56V118W-R25MMD). 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)			56	VDC
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		

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 1 Port 802.3af Type B DIN Rail Mount 56V at 118 Watts](#)

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802.3af Type B DIN Rail Mount 56V at 118 Watts

**PI-1C6-AFB-DN-56118**  
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	2.5 lbs	[1.13 kg]
Housing Material	Aluminum	
Grounding Lug	Yes	
Mounting Type	DIN Rail	

**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.

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 1 Port 802.3af Type B DIN Rail Mount 56V at 118 Watts](https://www.transtector.com/poe-injector-category-6-1-port-rj45-jack-pi-1c6-afb-dn-56118-p.aspx)

URL: <https://www.transtector.com/poe-injector-category-6-1-port-rj45-jack-pi-1c6-afb-dn-56118-p.aspx>

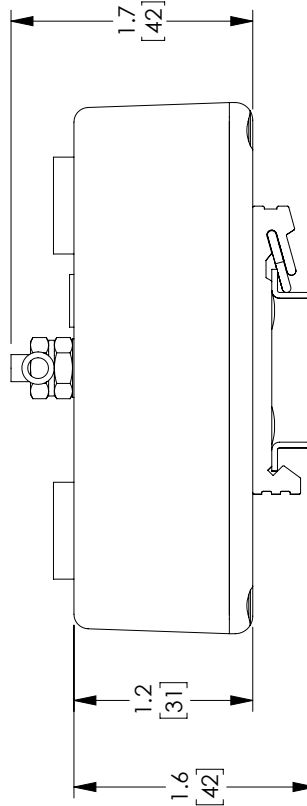
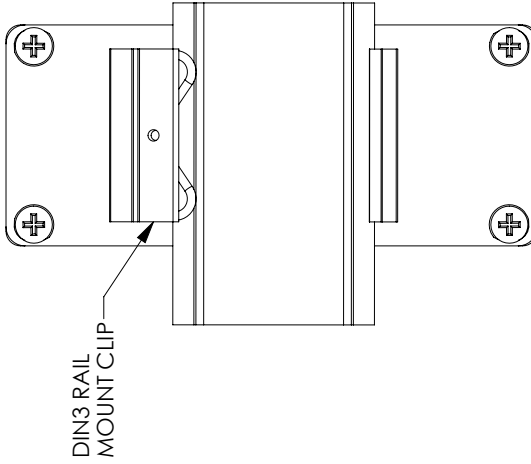
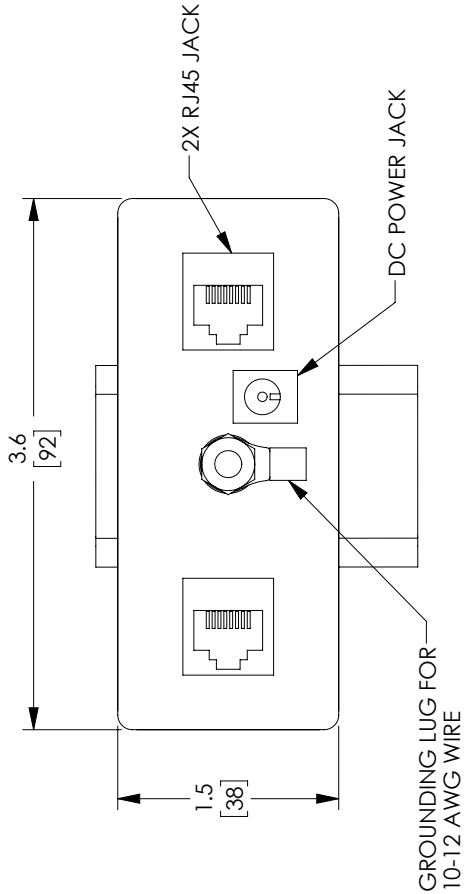
The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such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

1 2 3 4 5 6 7 8

REV	DESCRIPTION	DATE	APPROVED
A	CN INITIAL RELEASE	09/13/2020	GUTTAURO



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

 an INFINITO brand		10701 Airport Road, Hayden, ID 83835 Phone: 1.208.635.6400 Fax: 1.208.955.2041	
APPROVALS	DATE	CATEGORY	
DRAWN BY DCUI	03/06/2020	POWER OVER ETHERNET	
CHECKED BY SPAN	03/06/2020	PRODUCT DESCRIPTION	
APPROVED BY GUTTAURO	03/06/2020	POE INJECTOR CAT6 1PORT 802.3AF B 56V118W DIN	
UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES [MM]		SIZE	REV.
OVERALL CABLE LENGTH TOLERANCE:		A	A
≤12 [305] = +1 [25] / -0		CAGE CODE	PI-1C6-AFB-DN-56118
>12 [305] ≤60 [1524] = +2 [51] / -0		SCALE	NONE
>60 [1524] ≤120 [3048] = +4 [102] / -0		SHEET 1 OF 1	
>120 [3048] ≤300 [7620] = +6 [152] / -0		CAD FILE: PI-1C6-AFB-DN-56118.SLDDRW	
>300 [7620] = +5% / -0			
ALL OTHER DIMENSIONAL TOLERANCES:			
.X = ± 0.15			
.XX = ± 0.02 [0.5]			
.XXX = ± 0.005 [0.13]			
ANGLES ± 1°			
THIRD-ANGLE PROJECTION			

3 4 5 6 7 8