

Power Over Ethernet PoE+, Midspan Injector, Category 6a, 1 Port  
 10gigabit, 802.3at Certified with Power Supply 53 Volts at 32 Watts



## TT-POE10GAT PoE Injector

### Features

- PoE+ injector, 31.8W, 53V@0.6A Power Over Ethernet IEEE 802.3at certified compliant Type 2
- 10gigabit rated (Category 6a) for up to 55m (180ft); 1gigabit and 5gigabit data rates supported up to 100m (328ft); High quality shielded cabling such as from Transtector's TTE695 line of Ethernet cables is recommended for peak performance
- Midspan type PoE (Power Over Ethernet) Injector with +(1,2)(4,5), -(3,6)(7,8) pin assignments
- Approvals for IEC, EMC, EN, FCC, CE and UL (see datasheet for full listing)
- Power Supply Included

### Applications

- Internet Protocol (IP) and Security Cameras
- Network Switches, Bridges, Access Points, Antennas and Amplifiers
- Voice over Internet Protocol (VOIP) Telephones
- Traffic Systems
- Building Control Systems and Digital Signage

### Description

The TT-POE10GAT PoE+ injector from Transtector is IEEE 802.at certified and is here to meet all your Ethernet power requirements. Its one port shielded design can supply up to 32.8 watts and 53 volts at 0.6 amps of power to your power over Ethernet device. Transtector's TT-POE10GAT is excellent for security cameras, access points, IP phones, network switches, digital signage, building, lighting, traffic control systems or any PoE+ Type 2 IEEE 802.at compliant equipment.

Transtector's TT-POE10GAT midspan injector is certified for up to 10gig speeds (Category 6a) for up to 55m (180ft). 1gig and 5gig speeds are supported to up to 100m (328ft). High quality Ethernet cables such as from Transtector's TTE695A line are recommended for peak performance. The power supply is included with each Power over Ethernet PoE+ 32.8 watts and 53 volts Midspan Injector unit.

The TT-POE10GAT PoE+ injector is certified for various IEC, EMC, EN and FCC regulations (see datasheet for full details) and is CE and UL listed. It's simple and compact design is easy to use and set up and includes mounting holes if required. This Transtector's Power over Ethernet PoE+ Category 6a in stock and ships same day, Contact Transtector today with your project requirements.

### 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			0.6	A
Voltage Rating DC (Input)			240	VDC
Voltage Rating DC (Output)			53	VDC
Operating Voltage AC			264	VAC

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 6a, 1 Port 10gigabit, 802.3at Certified with Power Supply 53 Volts at 32 Watts](#)

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Power Connector	2.5mm DC Jack
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### Electrical Specification Notes:

10Gb distance may vary according to the cable and data source used. Shielded, high quality network cable is recommended such as Transtector's TTE695A line. Category 6a/7, 10Gb distances are supported up to 180ft (55m) with 1Gb and 5Gb distances supported up to 328ft (100m) when using appropriate cabling.

### Mechanical Specifications

#### Size

Height	1.5 in	[38.1 mm]
Width	2.5 in	[63.5 mm]
Length	5.5 in	[139.7 mm]
Weight	0.661 lbs	[299.82 g]
Housing Material	Aluminum	

### Environmental Specifications

Operating Temperature, Injector	-40 to +70 deg C
Environment Type	Indoor
EMI, EMC, EN Compliance	Yes per EMC Directive 2014/30/EU with compliance to EN 55032:2015, EN55035:2017, EN 61000-3-2:2019, EN61000-3-3:2013+A1:2019 & EN 62368-1:2014+A11:2017
FCC Compliant	Yes per Part 15, Subpart B Class B, ANSI C63.4:2014
UL Listed	Yes
CE-LVD Marking	Yes per LVD 2014/35/EU

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-6-1-port-rj45-jack-tt-poe10gat-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

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PoE Injector

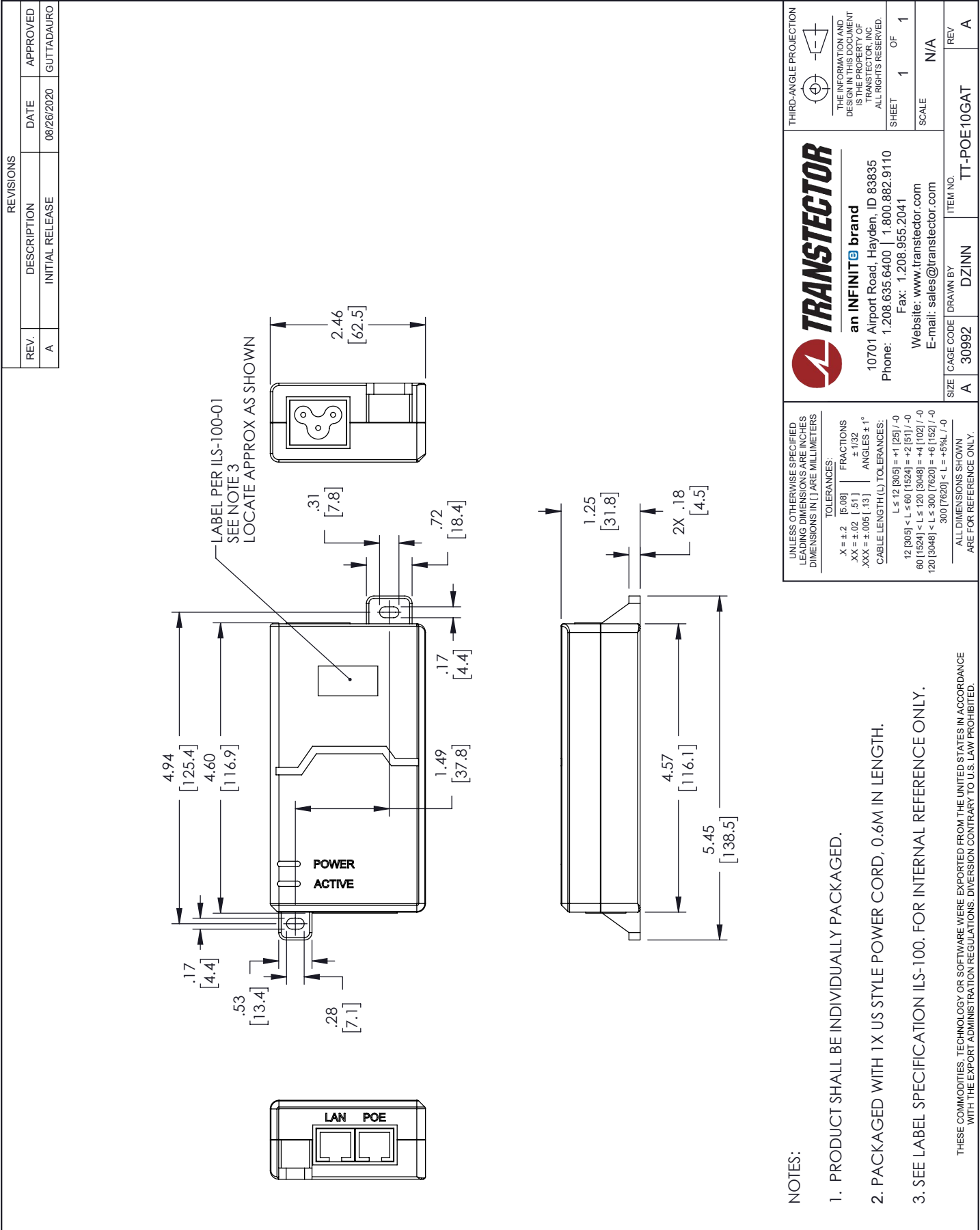


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as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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CAD Drawing



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THIRD-ANGLE PROJECTION

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SHEET 1 OF 1  
SCALE N/A

SIZE	CAGE CODE	DRAWN BY	ITEM NO.	REV
A	30992	DZINN	TT-POE 10GAT	A