

# 100/1000BASE-T PoE TRANSFORMER MODULES

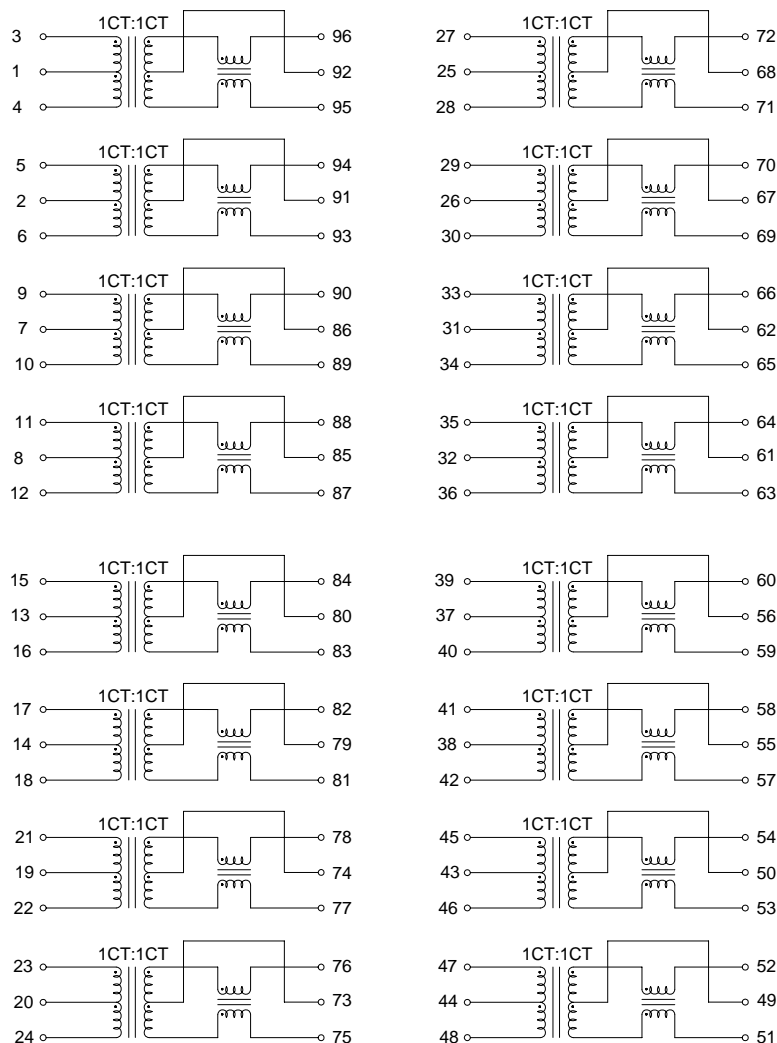


- Designed for Ethernet 100/1000BASE-T.
- Meets IEEE 802.3at specification.
- RoHS and Halogen Free compliant.
- PoE applications with 720mA current capability.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

## Electrical Specifications @25°C

Part Number	Turns Ratio Pri/Sec ±5%	OCL(uH min) @100KHz,0.2V with 8mA DC Bias	Crosstalk (dB MIN)			Hi-Pot (Vrms)	
			30MHz	60MHz	100MHz		
GTS-9601P-R	1CT:1CT	350	-40	-35	-30	1500	
continued							
Part Number	Insertion Loss (dB MAX)	Return Loss (100Ω±15%) (dB MIN)			CMRR (dB MIN)		
		0.3-100MHz	1-40MHz	40-100MHz	30MHz	60MHz	100MHz
GTS-9601P-R	-1.0	-16	-10+20log <sub>10</sub> (f/80 MHz)		-40	-35	-30

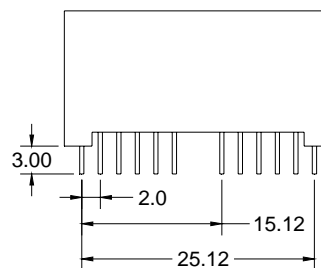
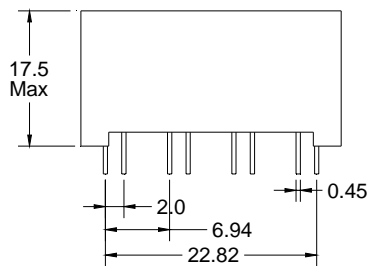
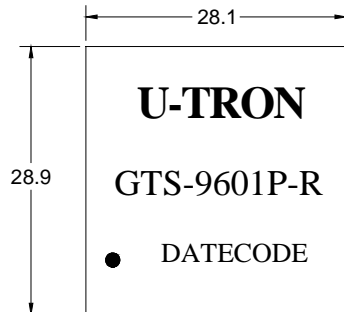
## Schematic



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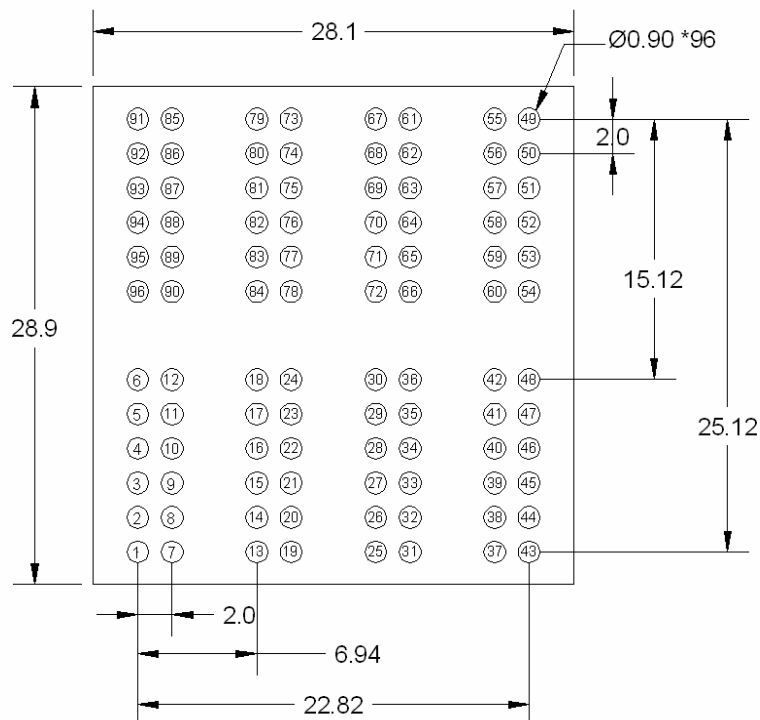


## Mechanical



Dimensions: mm Unless otherwise specified, all tolerances are  $\pm 0.25$ .

## PCB Layout mounting Hole(Top View)



Dimensions: mm Unless otherwise specified, all tolerances are  $\pm 0.08$ .