



Feature

- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Compliant with IEEE 802.3at
- Primary inductance 200uH Min with 15mA DC bias.
- Supports 16 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Operating temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +85°C.

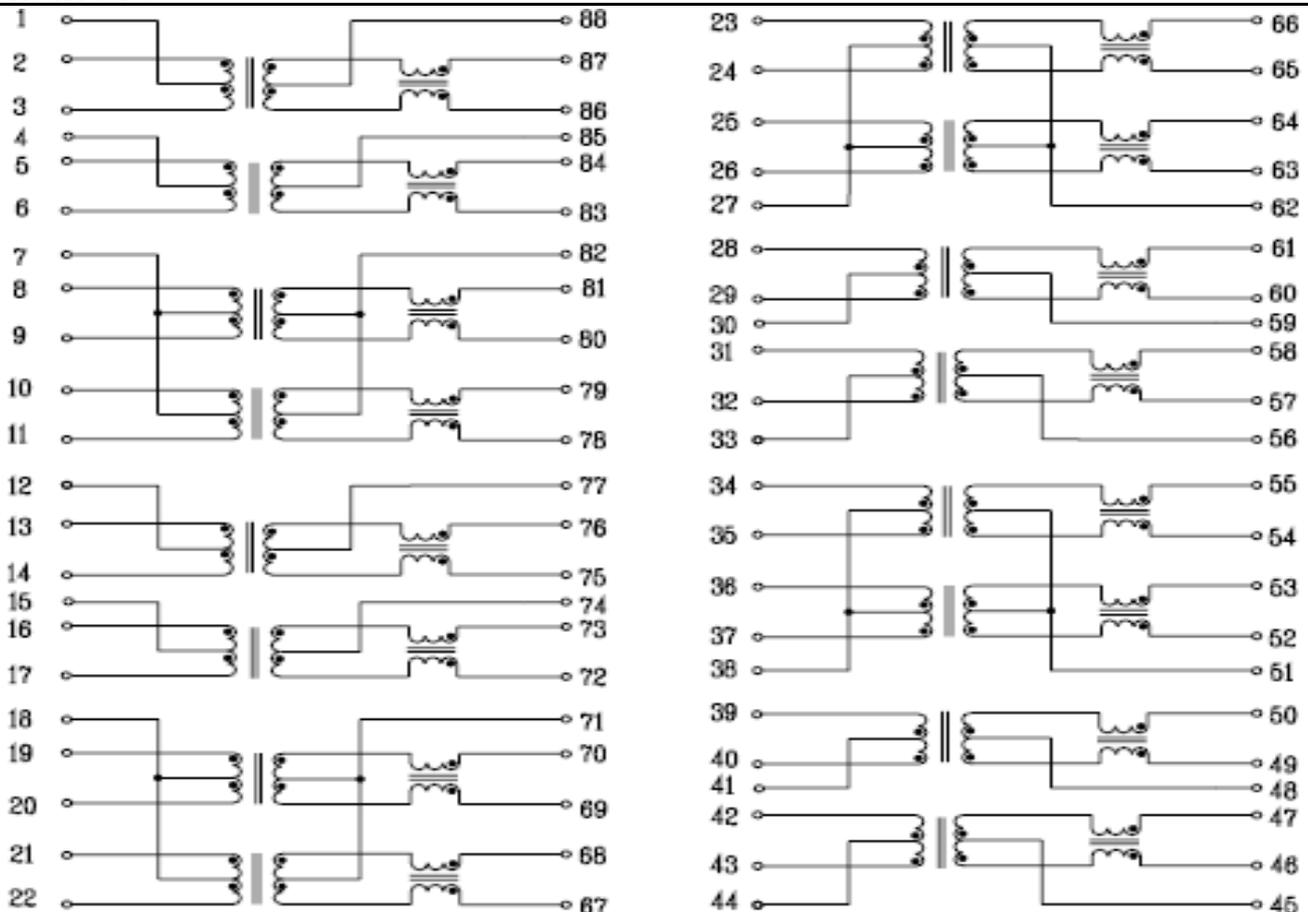
Electrical Specifications @25°C

Part Number	Tums Ratio (±5%)		DCMR (dB Min.)			HI-POT (Vrms)
	Tx	Rx	30MHz	60MHz	100MHz	
ML88T08TRS	1CT:1CT	1CT:1CT	-43	-37	-33	1500

Continue

Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)					Cross talk (dB Min.)		
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz
ML88T08TRS	-1.0	-18	-16	-14.08	-12.5	-10	-40	-35	-30

Schematic

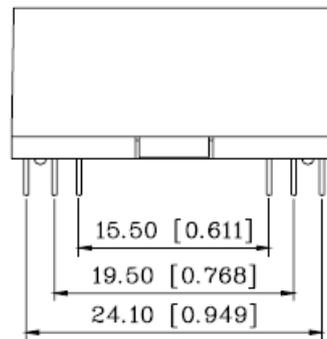
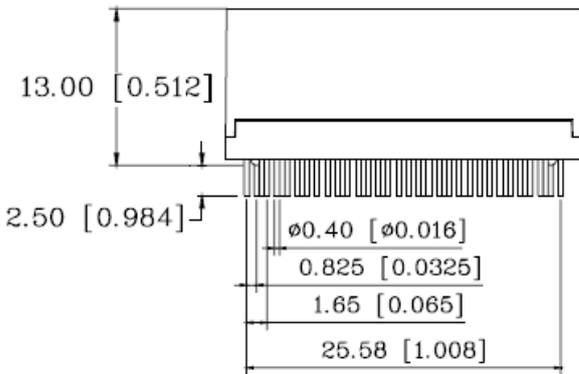
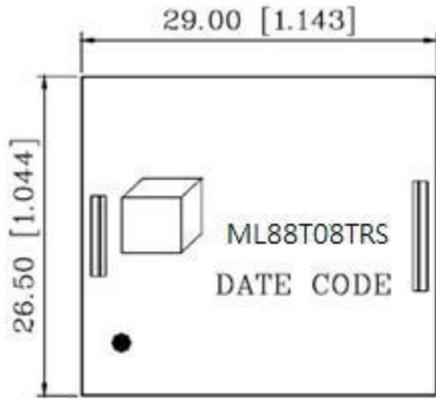




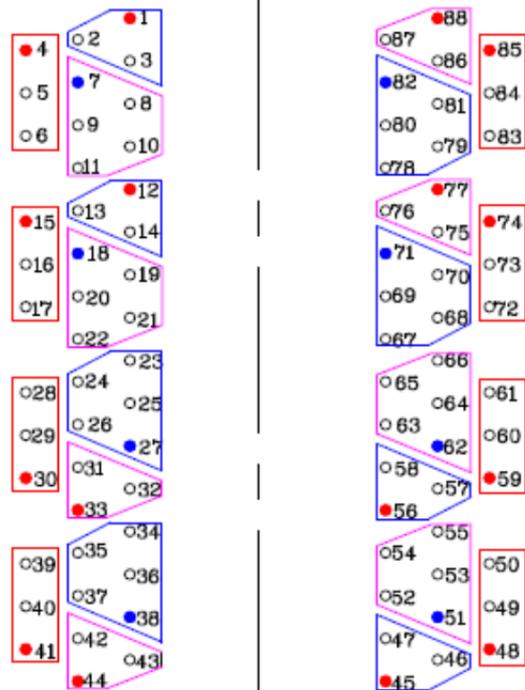
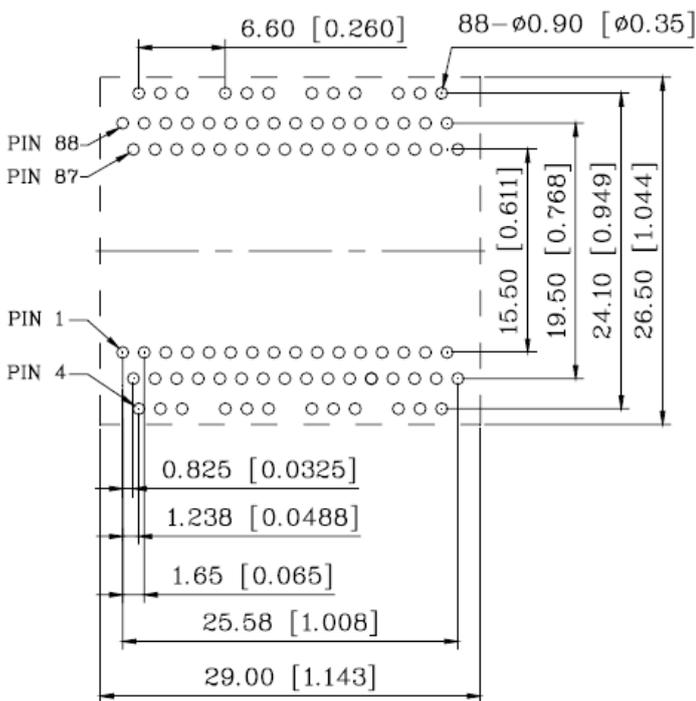
1000 BASE -T QUAD PORT MAGNETICS MODULES

P/N: ML88T08TRS

Mechanical



Units: mm [Inches] Tolerance: xx.x0 \pm 0.25 [0.004]
0.xx \pm 0.05 [0.002]



Red : PoE Function
Blue : Center Tap