



Feature

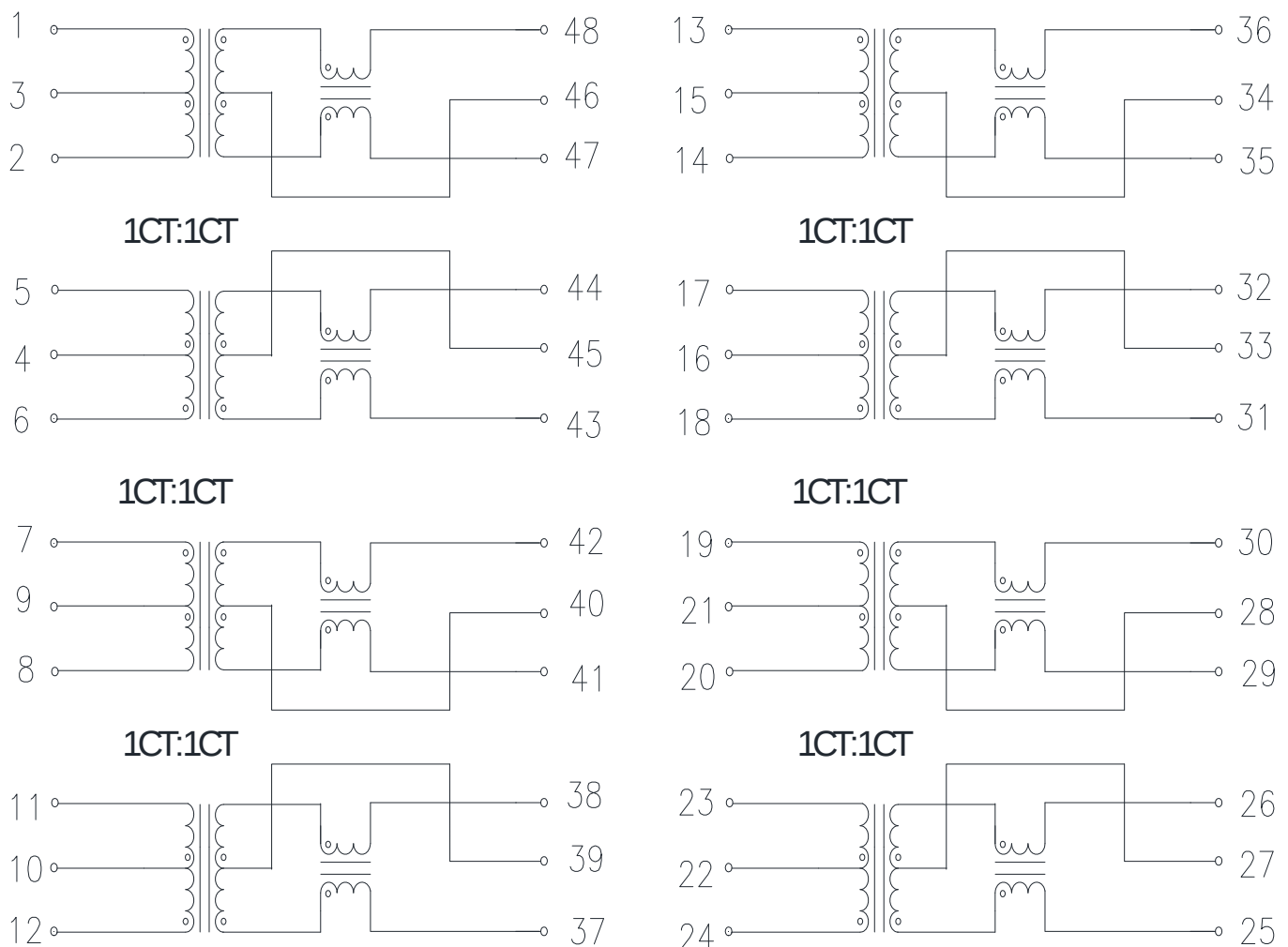


- Compliant with IEEE 802.3at standard for 1000Base-T.
- Primary including 350uH/200uH Min 8mA/18mA DC Bias.
- Suitable for PoE + applications (720mA@57V continuous).
- Capacitance between winding: 35pF Max at 100KHz, 1V.
- Leakage inductance 0.5uH Max at 100KHz, 0.1V.
- Operating Temperature 0°C to 70°C
- Storage temperature -25°C to +125°C.
- RoHS compliance.

Electrical Specifications@25°C

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@Load 100Ω				DCMR (dB Min)				Cross talk Attenuation (dBMin)				HI-POT (Vrms)
	1-125MHz	1-40MHz	50MHz	60-80MHz	100MHz	2MHz	30MHz	150MHz	200MHz	1MHz	10MHz	60MHz	100MHz	
ML48S08RS	-1.2	-18	-16	-12	-10	-50	-25.5	-17.5	-15	-50	-43.5	-37.9	-33	1500

Schematic

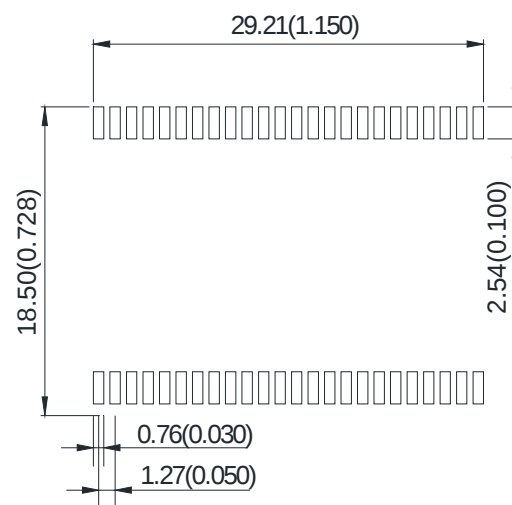
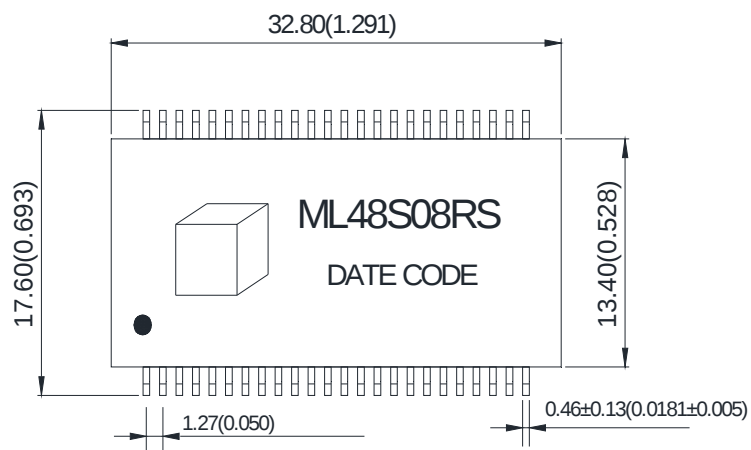




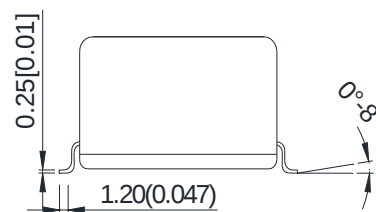
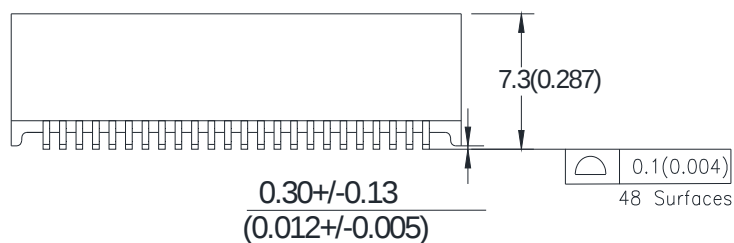
1000 BASE -T DUAL PORT POE MAGNETICS MODULES

P/N: ML48S08RS

Mechanical



Recommend PAD Layout



Units: mm [Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]