



**Feature**



- Designed for long haul Gigabit Ethernet 100/1000 BASE-T, full Quad channels applications.
- Supports 16 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T
- Operating temperature range :0°C to +70°C .
- Storage temperature range: -25°C to +85°C
- RoHS compliance.

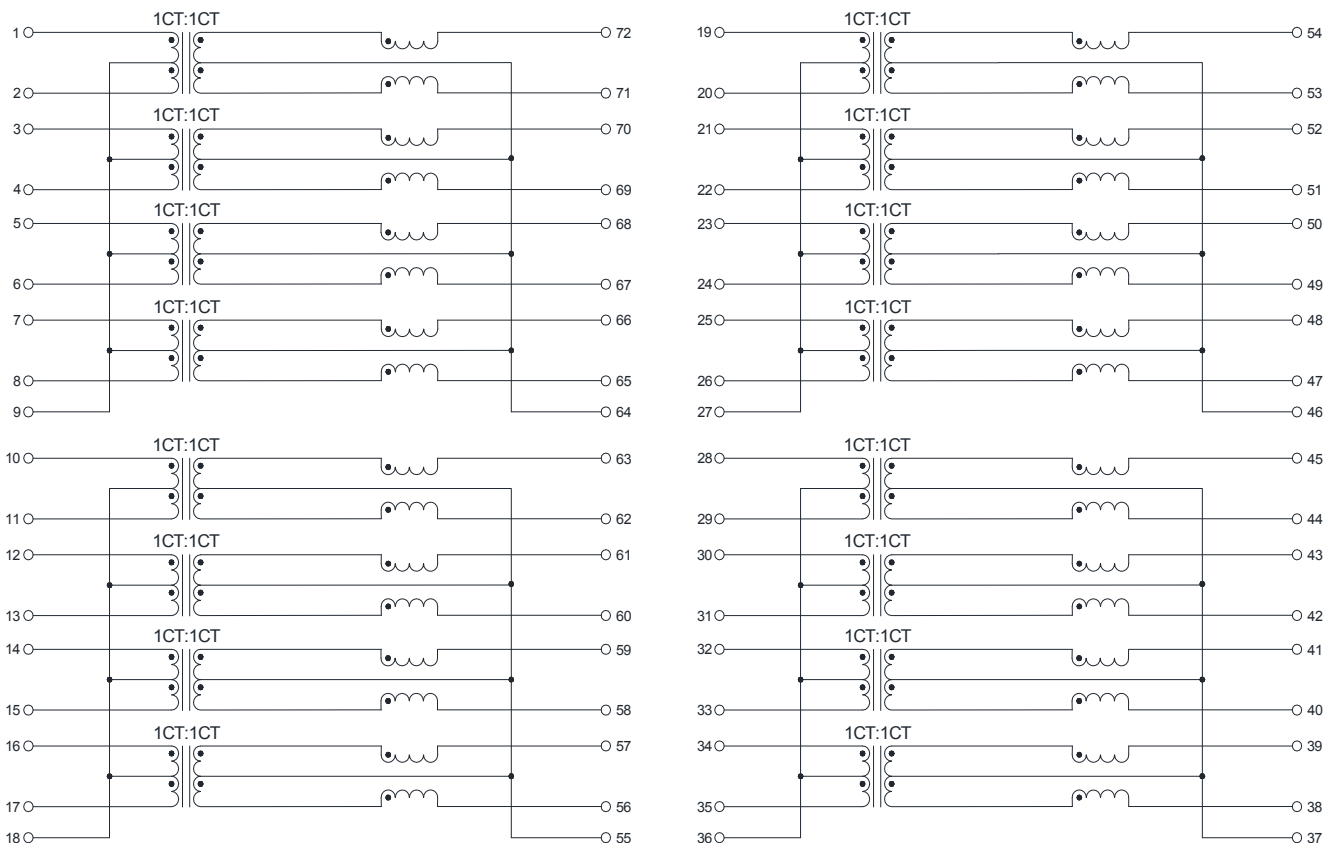
**Electrical Specifications @25°C**

Part Number	Tums Ratio (±5%)		OCL(uH Min.) @100KHz/0.1V with 8mA DC Bias	L.L (uH Max.)	Cw/w (pF Typ)	DCR (Ω Max.)	HI-POT (Vrms)
	Tx	Rx					
ML72T07RS	1CT:1CT	1CT:1CT	350	0.5	100	1.4	1500

**Continue**

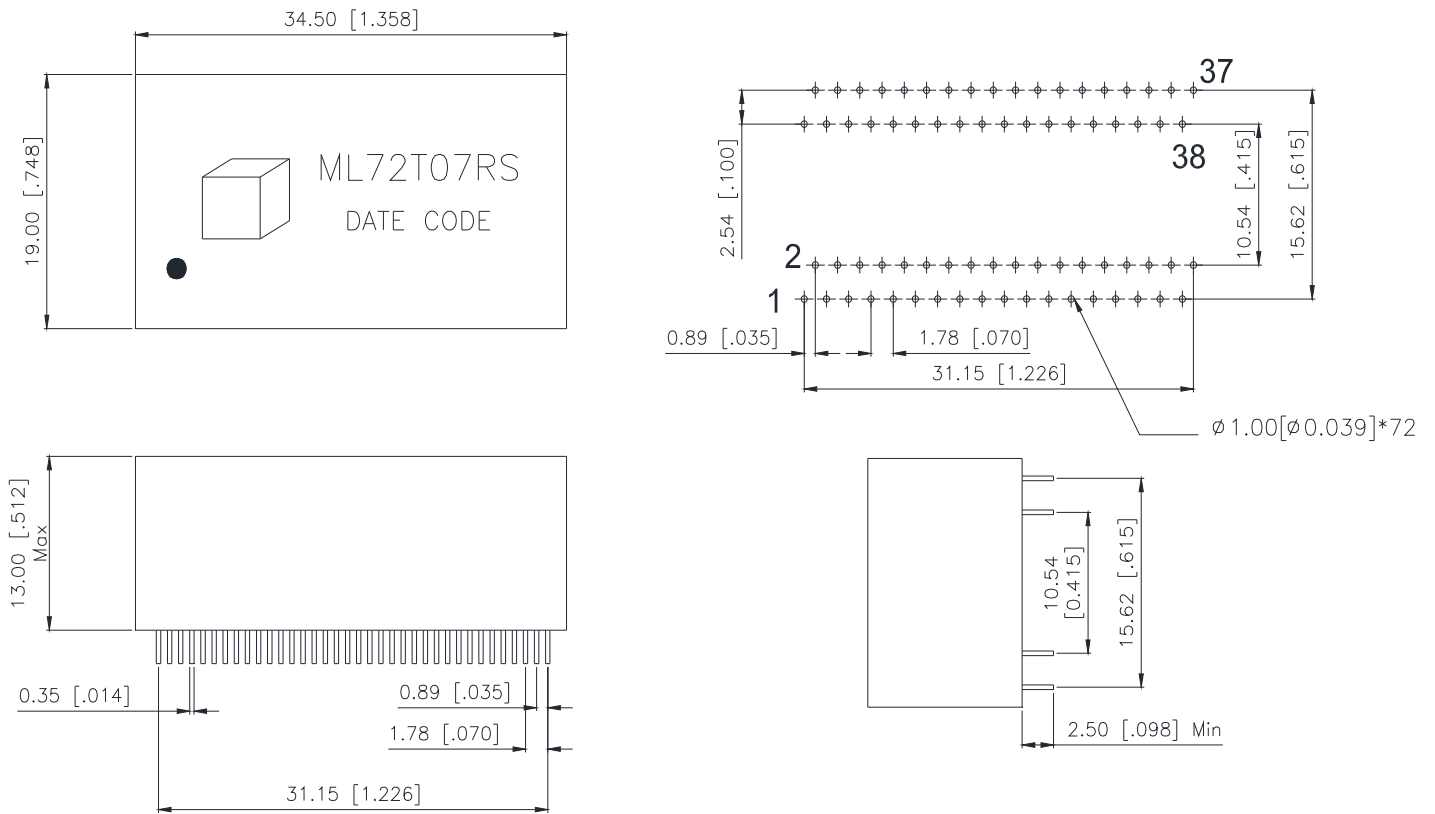
Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min.)						Cross talk (dB Min.)			DCMR (dB Min.)		
		1-100 MHz	1-30 MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
ML72T07RS	-1.0	-18	-14.4	-13.1	-12	-10	-40	-35	-30	-40	-35	-30	

**Schematic**





Mechanical



Dimensions: mm  
Unless otherwise specified, all tolerances are  $\pm 0.25(0.01)$