

**P/N: 24HST1041M-2 DATA SHEET****Feature**

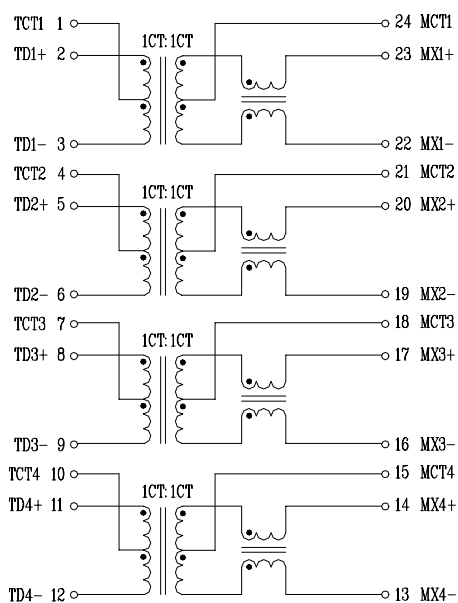
- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Supports 4 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T.
- Insulation Resistance: 10,000 M Ω .
- Operating temperature range: -40 $^{\circ}$ C to +85 $^{\circ}$ C.
- Storage temperature range: -40 $^{\circ}$ C to +125 $^{\circ}$ C.

Electrical Specifications @ 25 $^{\circ}$ C

Part Number	Turns Ratio ($\pm 5\%$)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	C_{ww} (pF Max)	L.L. (uH Max)	Insertion Loss (dB Max) 1-100MHz	HI-POT (Vrms)
	TX	RX					
24HST1041M-2	1CT:1CT	1CT:1CT	350	28	0.5	-1.0	1500

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Part Number	Return Loss (dB Min @ 100 Ω)					Cross talk Attenuation (dB Min)		DCMR (dB Min)		
	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	0.3-60MHz	60-100MHz	60MHz	100MHz	200MHz
24HST1041M-2	-18	-14.4	-13.1	-12	-10	-40	-35	-37	-28	-25

Schematic**Mechanical**