P/N: 24HST1041-3 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 MΩ.
- Operating temperature range: 0℃ to +70℃.
- Storage temperature range: -25℃ to +125℃.

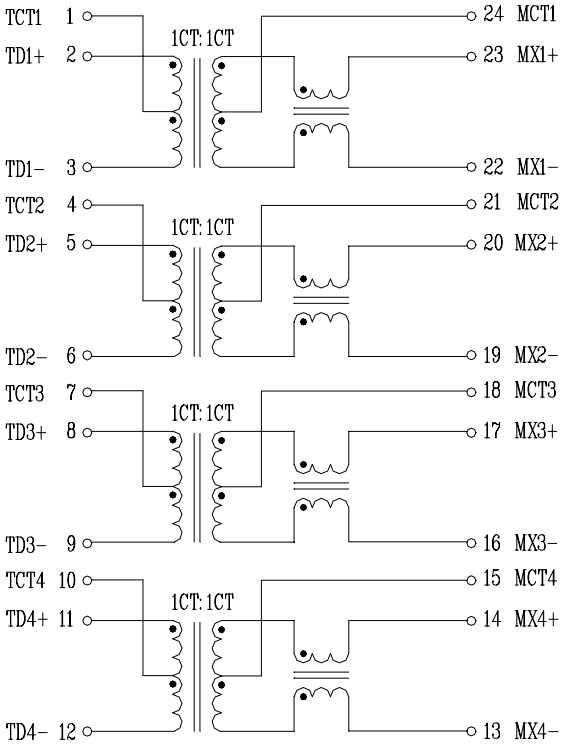
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1V with 8mA DC Bias	$C_{W/W}$ (pF Max)	L.L (uH Max)	Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX				1–100MHz	
24HST1041-3	1CT:1CT	1CT:1CT	350	28	0.5	-1.0	1500

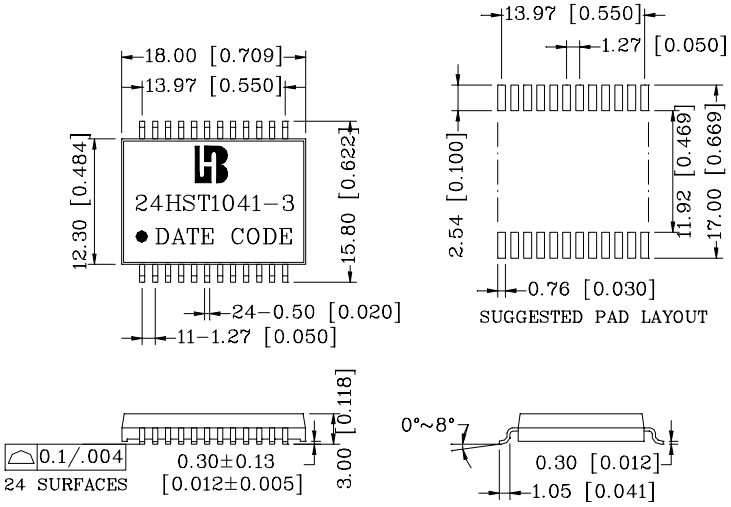
Continue

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
24HST1041-3	-18	-14.4	-13.1	-12	-10	-40	-35	-37	-28	-25

Schematic



Mechanical



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