

**P/N: GS5008M LF DATA SHEET****Feature**

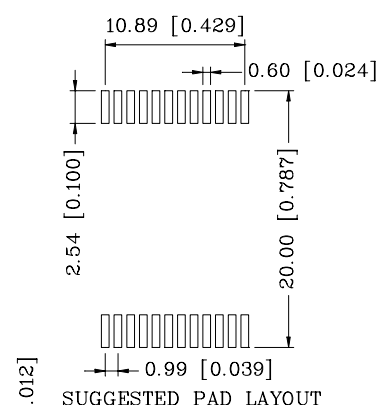
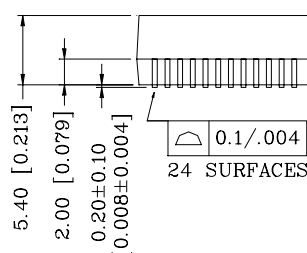
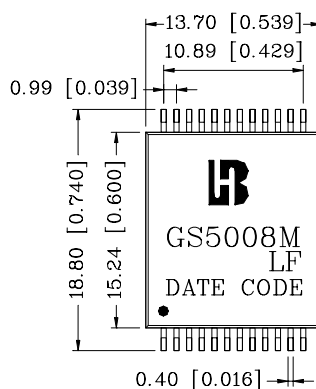
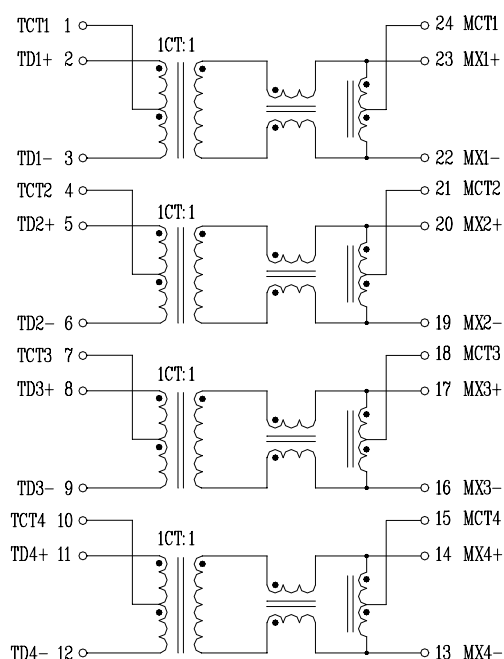
- Designed for long haul gigabit Ethernet 1000 BASE-T, full duplex applications.
- Supports 4 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Compliant with IEEE 802.3ab standard for 1000 BASE-T.
- Comply with RoHS requirements-whole part No Cd, No Hg, No Cr6⁺, No PBB and PBDE and No Pb on external pins.
- Comply with Air reflow profile of JEDEC 020-C.
- Operating temperature range: -40 to +85 .
- Storage temperature range: -40 to +125 .

Electrical Specifications @ 25°C

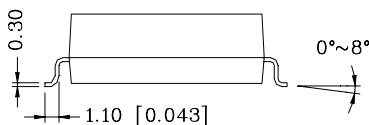
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Cross talk Attenuation (dB Min)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
GS5008M LF	1CT:1	1CT:1	350	-45	-40	-35	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min) @ Load 100Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
GS5008M LF	-1.0	-18	-18	-16	-12	-10	-43	-37	-33

Schematic**Mechanical**

SUGGESTED PAD LAYOUT



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