

1000 BASE –T ELECTRICAL SPECIFICATIONS

P/N: GS5010 DATA SHEET

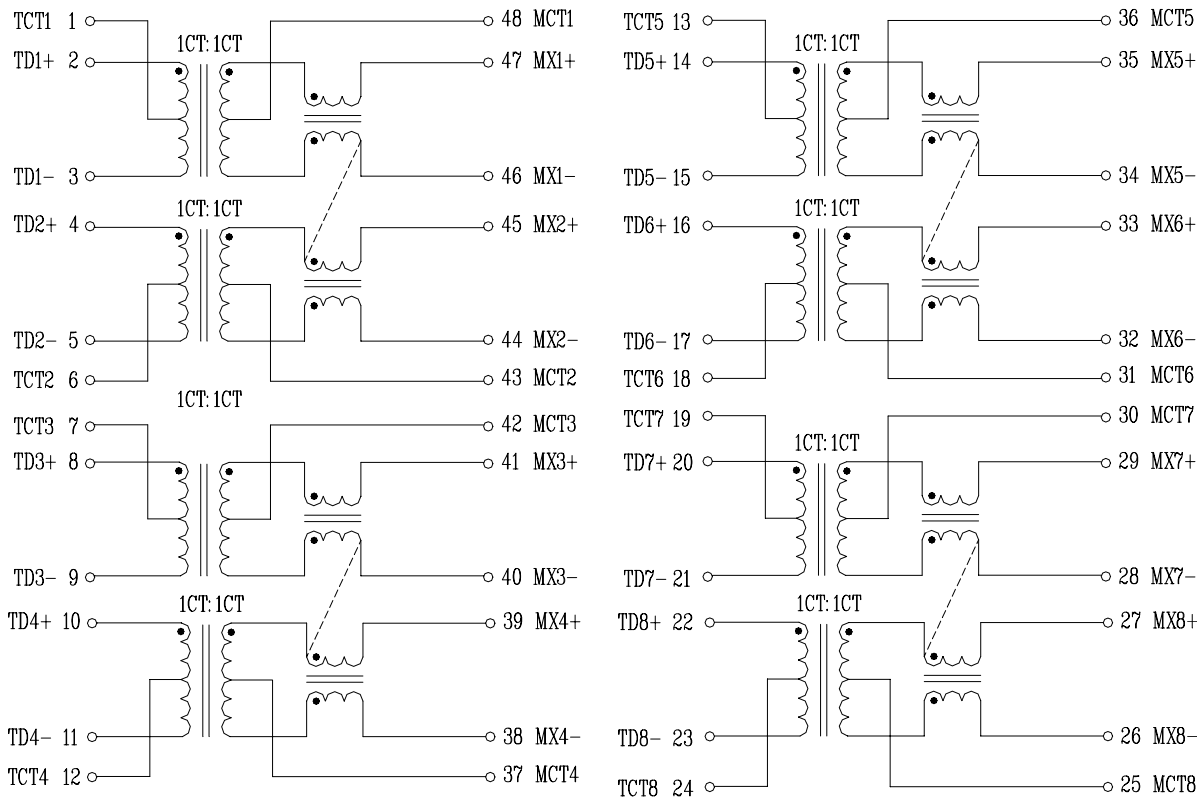
Feature



- Designed for Ethernet 100/1000 BASE-T, full duplex applications.
- Supports 8 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.

Electrical Specifications @ 25°C												
Part Number	Turns Ratio (±2%)		Inductance (uH Min) @100KHz/0.1Vrms with 8mA/DC Bias							Voltage Isolation (Vrms)		
	TX	RX										
GS5010	1CT:1CT	1CT:1CT	350							1500		
Continue												
Part Number	Insertion Loss (dB Max.)	Return Loss (dB Min @ 100 Ω)					Cross talk Attenuation (dB Min)			Differential to Common Mode Rejection (dB Min)		
		1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz
GS5010	-1.0	-18	-14.4	-13.1	-12	-10	-45	-40	-35	-43	-37	-33

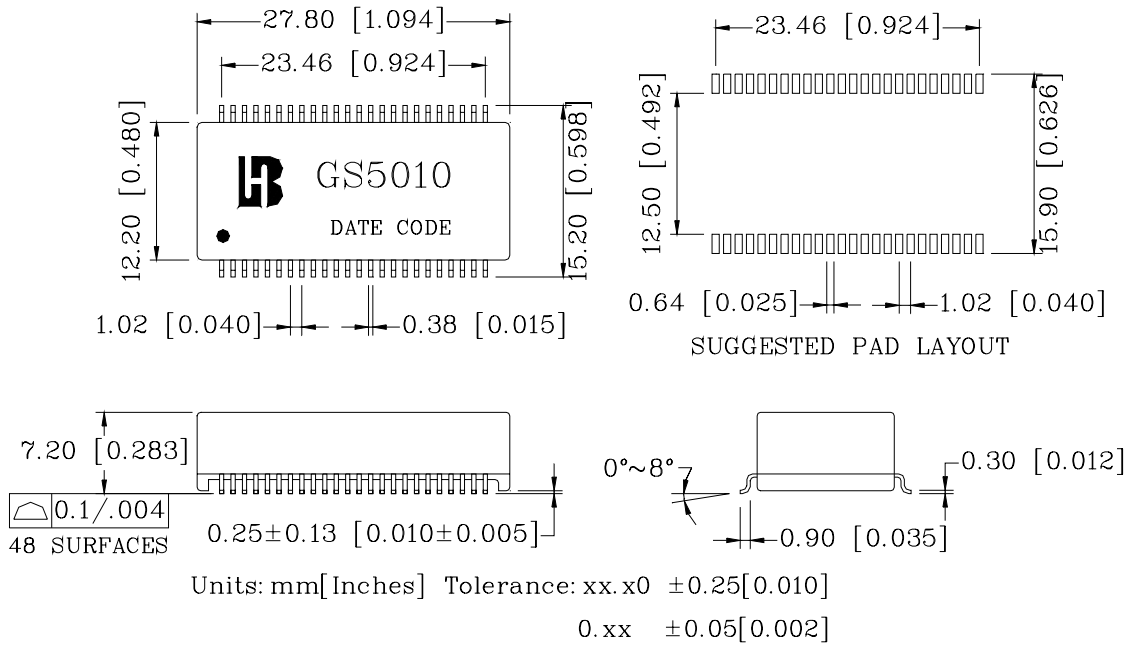
Schematic



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Mechanical



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