

Single Port Transformer Design For Gigabit Ethernet .
100/1000 Base-T Full Duplex Applications.

Supports 4 Pairs Of Category 5 UTP Cable

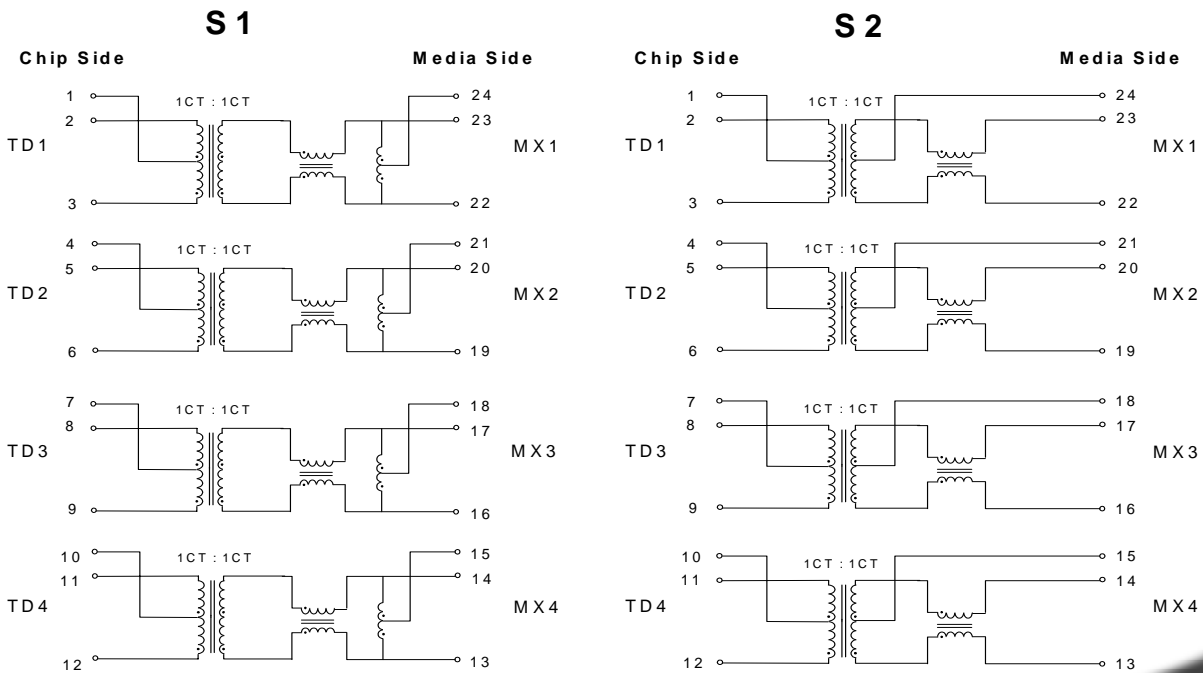
Compliant With IEEE802.3 Standards For 1000Base-T.

Compatible With Various 100/1000TX Transceiver Requiring 1:1 Transmit and Receive Turns Ratio.

ELECTRICAL SPECIFICATIONS @ 25°C

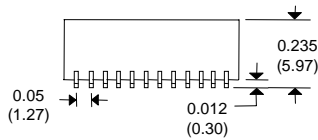
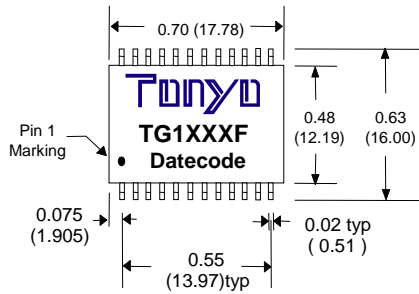
Part Number	Insertion Loss	Return Loss				CMRR			Crosstalk			SCHEMATICS / PACKAGE
	(dB max)	(dB min)				(dB min)			(dB min)			
	1-100MHz	1-30MHz	60MHz	80MHz	1-30MHz	60MHz	80-100MHz	1-30MHz	60MHz	80-100MHz		
TG1421F	-1	-18	-12	-10	-45	-38	-33	-45	-40	-35	S1 / P1	
TG1482F	-1	-18	-12	-10	-45	-38	-33	-45	-40	-35	S2 / P1	
TG1423F	-1	-18	-12	-10	-45	-38	-33	-45	-40	-35	S1/ P2	
TG1484F	-1	-18	-12	-10	-45	-38	-33	-45	-40	-35	S2/ P2	

All models meet Isolation Voltage (Hi-Pot) of 1500Vrms (1 min)
Operating Temperature : 0°C - 70°C

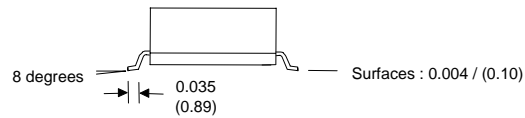
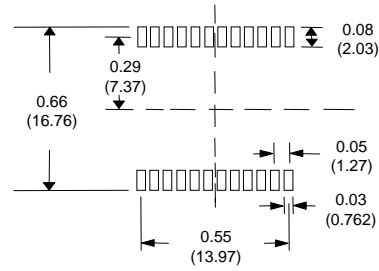


MECHANICAL SPECIFICATIONS

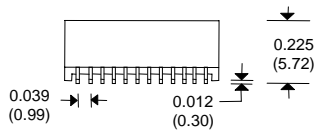
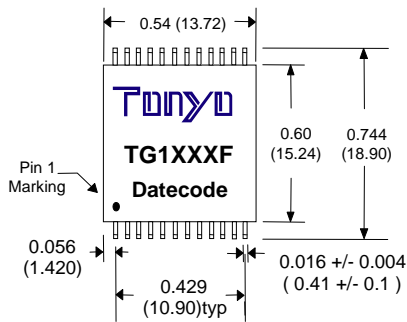
P 1



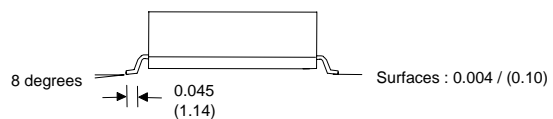
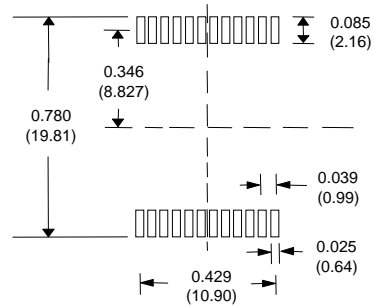
RECOMMENDED PAD LAYOUT :



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RECOMMENDED PAD LAYOUT :



Specifications Subject To Change Without Prior Notice

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**100/1000 Base-T
Transformer Modules**

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