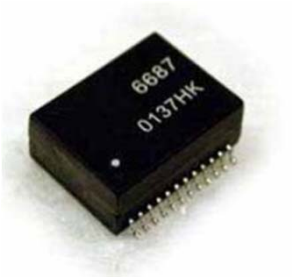
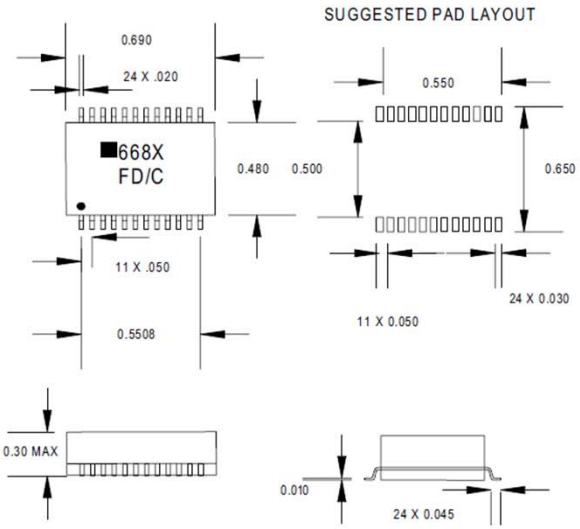
Electromagnetic Integrated Solutions
8061 Avonia Road, Fairview, PA 16415
P: +1 (814) 474 1571
E: eisSales@apitech.com
http://eis.apitech.com

LAN 1000 Base-T Magnetic Modules 6687-6688

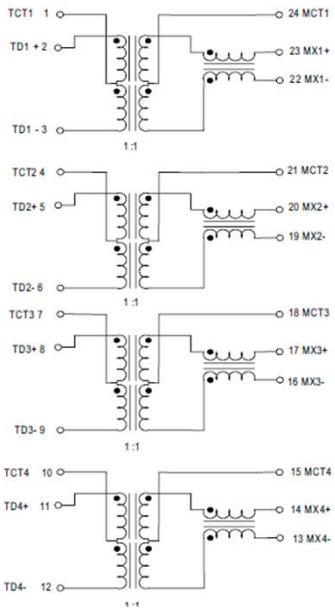
- Standard SMD package
- Intended for long haul Gigabit Ethernet 100/1000 Base-T Full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Compliant with IEEE 802.3ab standard for 1000 Base-T



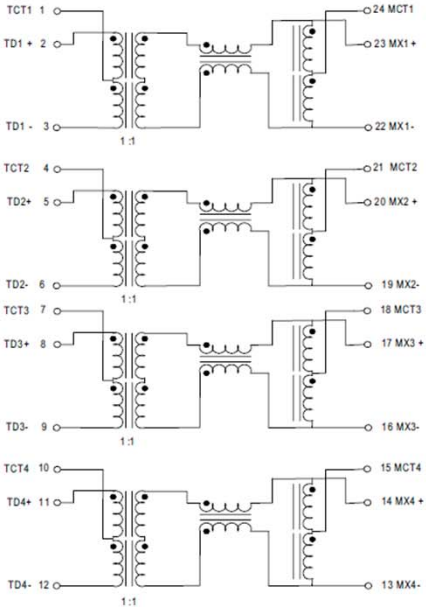
MECHANICAL AND SCHEMATIC (All dimensions in inches)



SCHEMATIC
6687



SCHEMATIC
6688



ELECTRICAL SPECIFICATION @ 25˚C

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Differential to Common Mode Rejection (dB Min)			Crosstalk (dB Min)			Hipot (Vrms Min)
	1-100 MHz	1-30 MHz	40 MHz	50 MhZ	60-80 MHz	100 MHz	30 MHz	60 MHz	00 MHz	30 Mhz	60 Mhz	00 MHz	
6687	1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-45	-40	-35	1500
6688	1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33	-45	-40	-35	1500