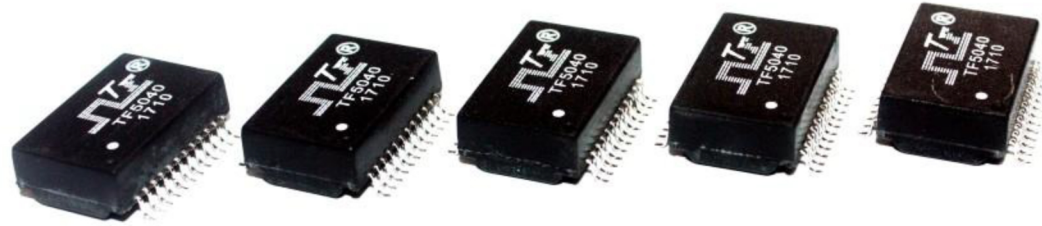




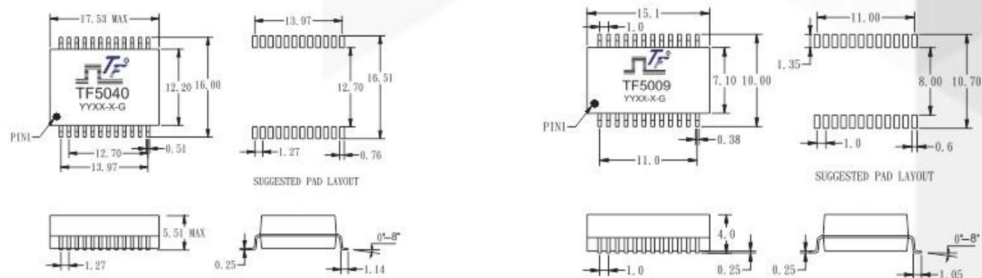
## 24PIN series 10/100/1000Base-Tx Magnetics Module



- ◆ Compliant with IEEE 802.3 standard including baseline wander compensation specification of 350uH OCL when Biased at 8mA from 0°C to 70°C
- ◆ Compatible with various 10/100/1000 Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- ◆ Single channel interface for 1000Mbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- ◆ RoHS peak reflow temperature rating 260°C
- ◆ Ambient temperature 0°C to 70°C Storage temperature Component: -20°C to +125°C.
- ◆ Tape and reel packaging: -40°C to +80°C

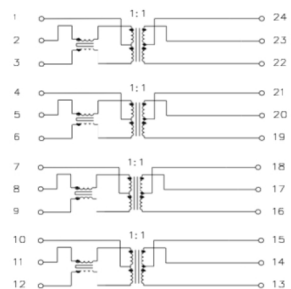
Part Number	Turns Ration		Insertion Loss (dB MAX)	Return Loss (dB Min)			Differential to common Mode Rejection (dB Min)			Crosstalk (dB Min)			Hipot (Vrms MIN)	Type	
	TX	RX		100KHz-100MHz	1-30MHz	60MHz	80MHz	30MHz	50MHz	100MHz	30MHz	60MHz		100MHz	Mec
TF5040	1CT:1CT	1CT:1CT	-1.0	-18	-16	-12	-43	-37	-33	-43	-37	-33	1500	Type:1	Type:2
TF5009	1CT:1CT	1CT:1CT	-1.0	-18	-16	-12	-43	-37	-33	-43	-37	-33	1500	Type:2	Type:2
TF5009C	1CT:1CT	1CT:1CT	-1.0	-18	-16	-12	-43	-37	-33	-43	-37	-33	1500	Type:2	Type:2

### Mechanicals TF5040 / TF5009

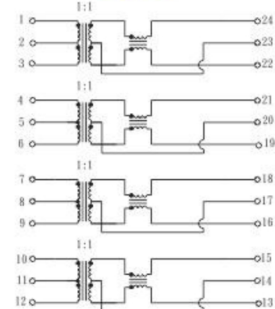


### Schematic

Type:1



Type:2



## 24PIN series 10/100/1000Base-Tx Magnetics Module

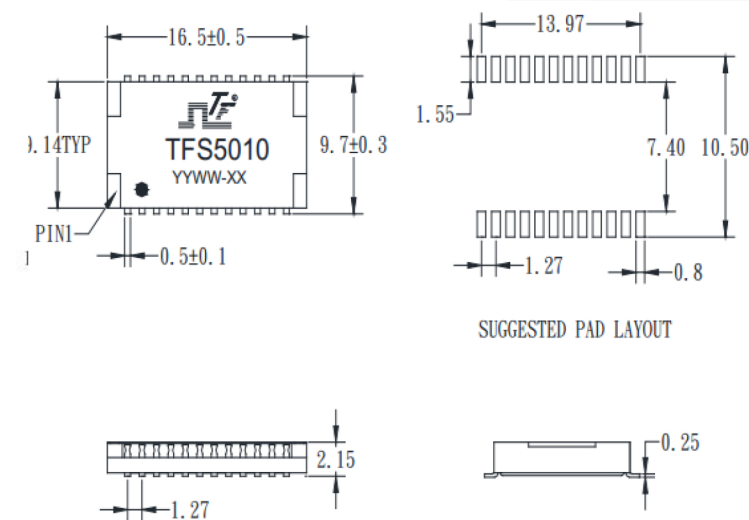


- ◆ Compliant with IEEE 802.3 standard including baseline wander compensation specification of 120uH OCL when Biased at 8mA from 0°C to 70°C
- ◆ Compatible with various 10G Base-TX transceiver requiring 1:1 transmit and receive turns ratio
- ◆ Single channel interface for 10Gbps Ethernet applications with CMC's tuned to Enhance EMC system performance
- ◆ RoHS peak reflow temperature rating 260°C
- ◆ Ambient temperature 0°C to 70°C Storage temperature Component: -20°C to +125°C.
- ◆ Tape and reel packaging: -40°C to +80°C



Part Number	Turns RATION		Insertion Loss (dB MAX)	Return Loss (dB Min)			Differential to common Mode REJECTION (dB Min)			Crosstalk (dB Min)			Hipot (Vrms MIN)
	TX	RX		100KHz-100MHz	1-30MHz	40MHz	60-80 MHz	30MHz	50MHz	100MHz	30MHz	60MHz	
TFS5010	1CT:1CT	1CT:1CT	-1.0	-18	-14	-10	-5	-30	-22	-45	-40	-35	1500

### Mechanicals TF5010



Dimensions: mm

Unless otherwise specified, all tolerances are ±0.25

### Schematic

