

2.5G/5G BASE-T SINGLE PORT MAGNETICS MODULES

Part NO:LX82419SP



Features:

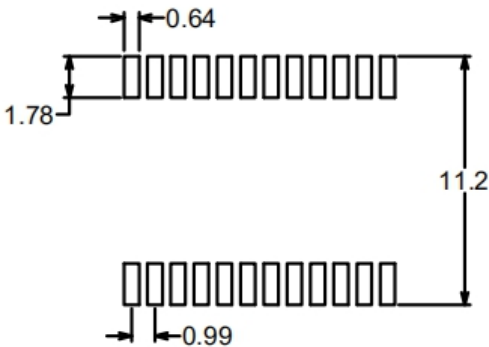
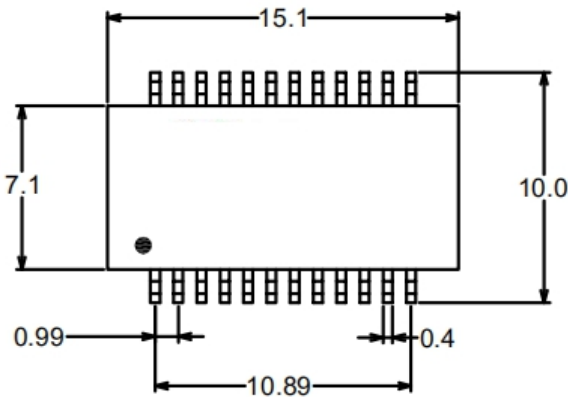
- Meets IEEE 802.3 and ANSI X3.263 standards
- Suitable For End-span PoE Applications with 500mA current Capability
- RoHS Compliant
- 2.5G/5G Base-T, Surface Mount Type, Open Header
- Operating temperature range: -40 to +85
- Storage temperature range: -55°C to +125°C

Specifications

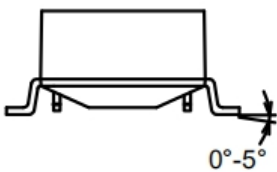
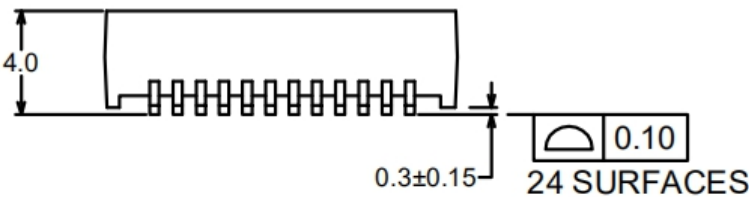
Electrical Specification@25°C Operating Temperature -40to+85°C

TURN RATIO	1.00±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100KHz	1-300MHz
	-3.0dB MAX	-1.5dB MAX
RETURN LOSS (Z OUT=100OHM±1%)	1-100 MHz	100MHz-300 MHz
	-18dB Min	-10dB Min
INDUCTANCE(OC)	120uH Min @100KHz, 100 Mv	
CROSSTALK, ADJACENT CHANNELS	1-100MHz	100-300MHz
	-40dB Min	-30dB Min
COMMON MODE REJECTION RATIO	1-100MHz	100-300MHz
	-35dB Min	-30dB Min
COMMON TO DIFFERENTIAL MODE	1-125MHz	125-300MHz
	-35dB Min	-30dB Min
ISOLATION	1500V RMS MIN @ 60 SECONDS	

Mechanical:



SUGGESTED PAD LAYOUT

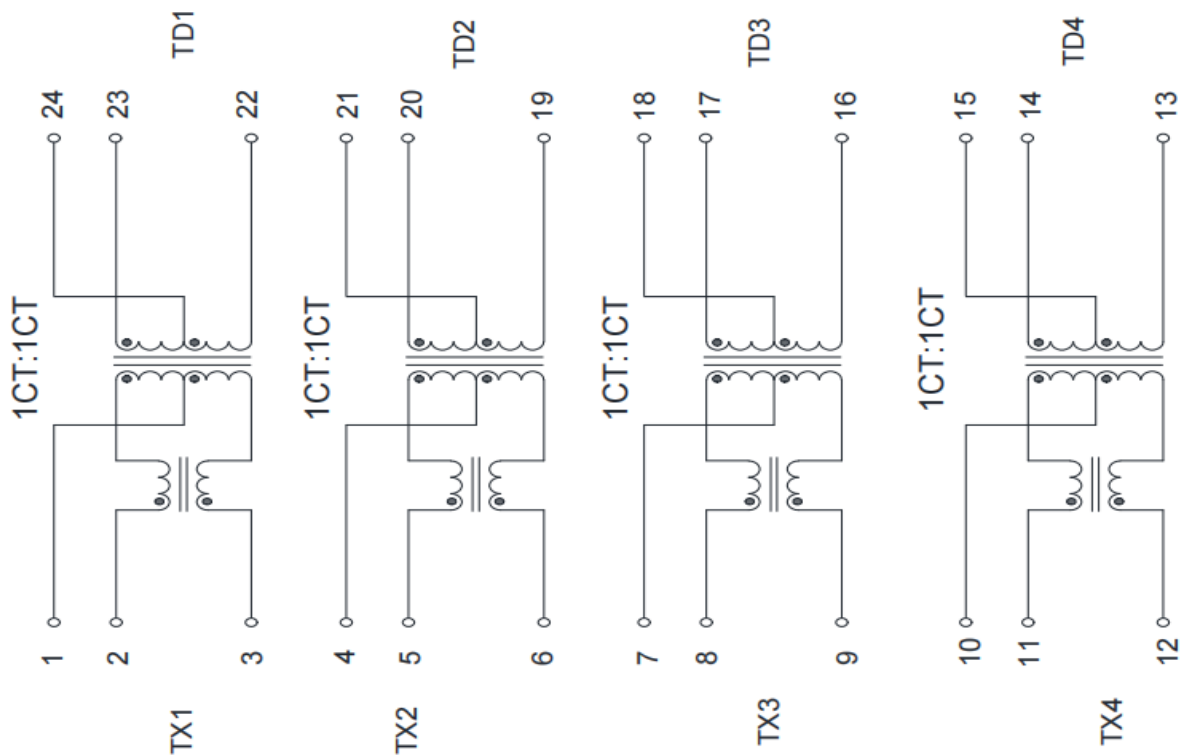


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Schematic



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