

Part Number: AE-SC50012P

10/100/1000 SMD LAN Transformer

- Compliant with meet IEEE802.3at requirement.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.



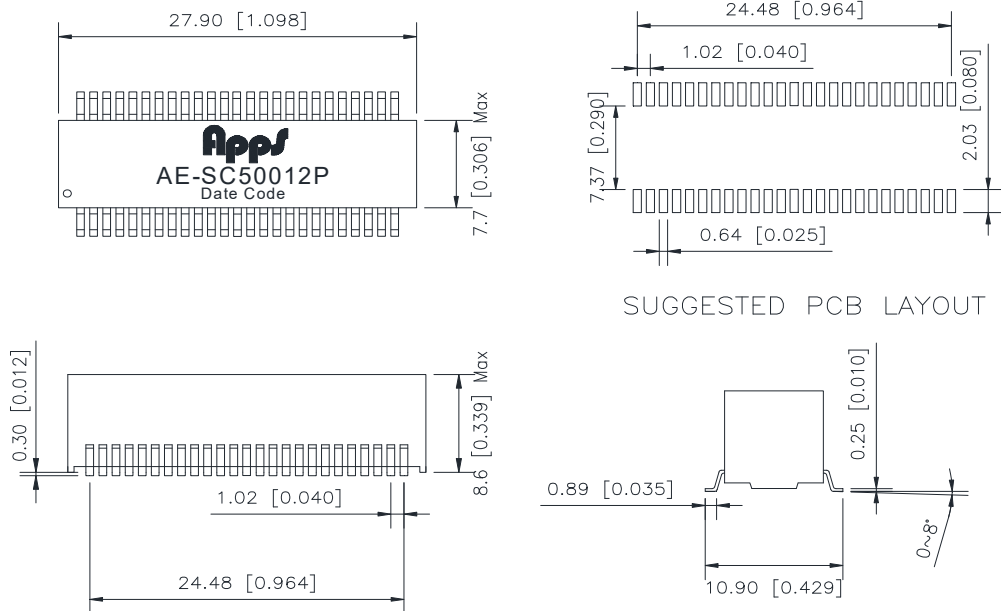
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V		Insertion Loss (dB Max)	HI-POT (Vrms)
	TX	RX	8.0mA	18.0mA		
AE-SC50012P	1CT:1CT	1CT:1CT	350	150	-1.1	1500

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Part Number	Return Loss (dB Min)					Cross Talk (dB Min)			CMRR (dB Min)		
	1MHz	40MHz	60MHz	80MHz	100MHz	30MHz	60MHz	100MHz	30MHz	60MHz	100MHz
AE-SC50012P	-18	-18	-14	-12	-10	-40	-35	-30	-40	-35	-30

Mechanicals:



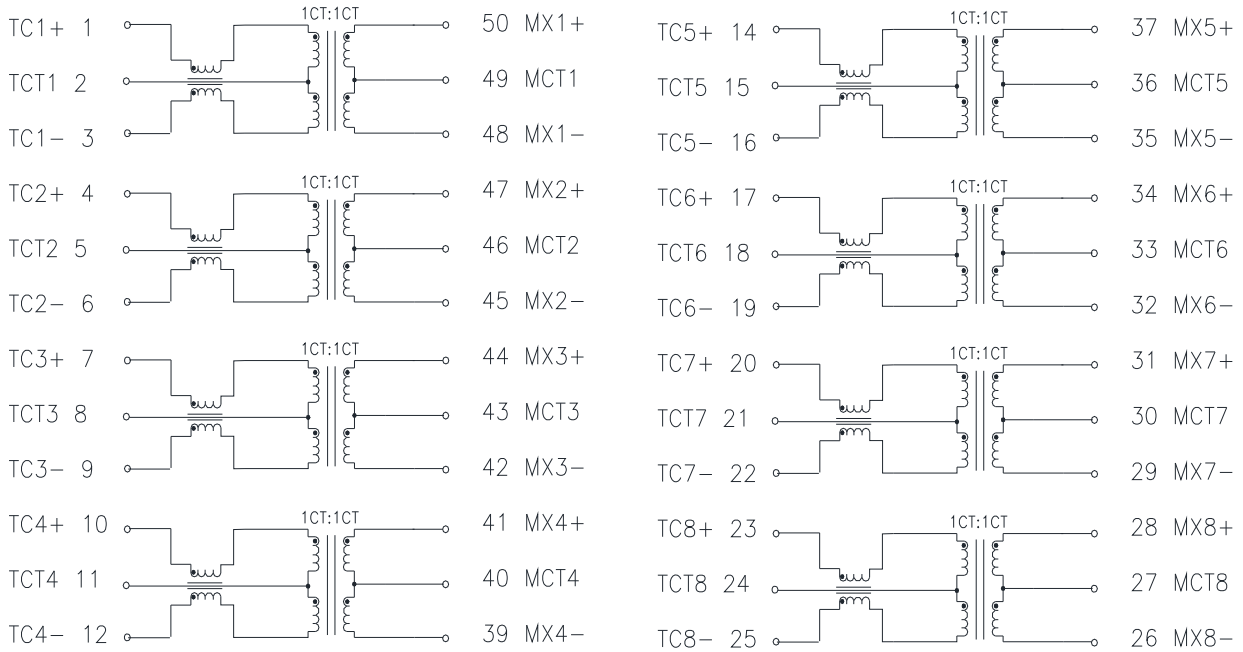
SUGGESTED PCB LAYOUT

Dimension: mm[Inch]±0.25[0.010]

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Schematics:



Package:

