

Part Number: AE-SB40012

10/100 BASE QUAD PORT TRANSFORMER

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- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -20°C to +125°C.

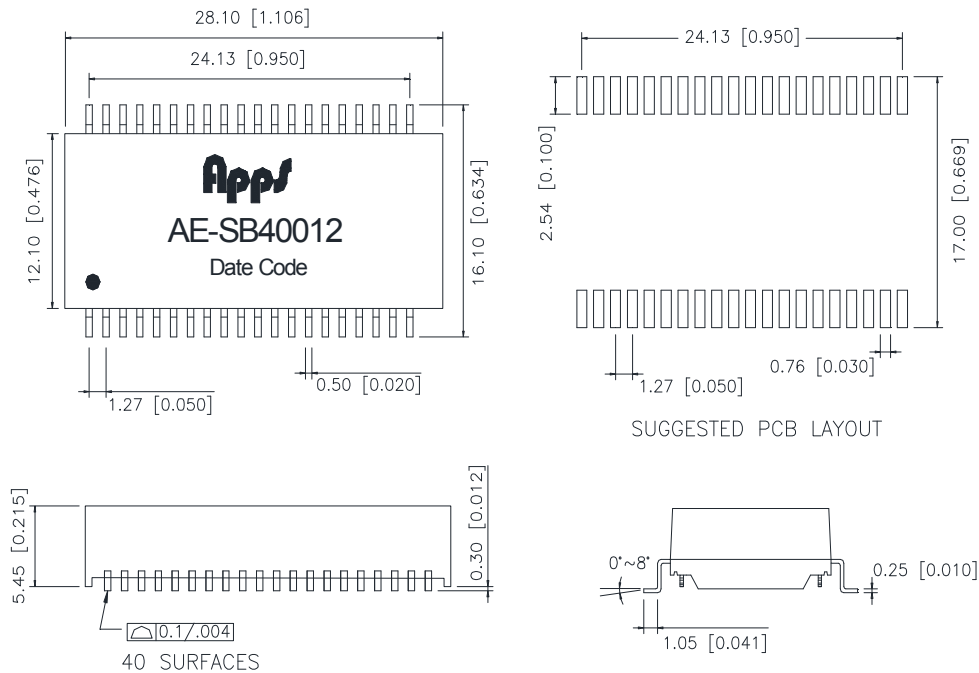
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL(μH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max)	DCMR (dB Min)	HI-POT (Vrms)
	TX	RX		1-125MHz	5-200MHz	
AE-SB40012	1CT:1CT	1CT:1CT	350	-0.2-0.002*f^1.4	-50+17*lg(f/5)	1500

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Part Number	Return Loss (dB Min)			Cross Talk (dB Min)	
	1-30MHz	30-60MHz	60-80MHz	1MHz	10-100MHz
AE-SB40012	-16	-10+20*lg(f/60)	-10	-50	-50+17*lg(f/10)

Mechanicals:



Dimension: mm[Inch]±0.25[0.010]

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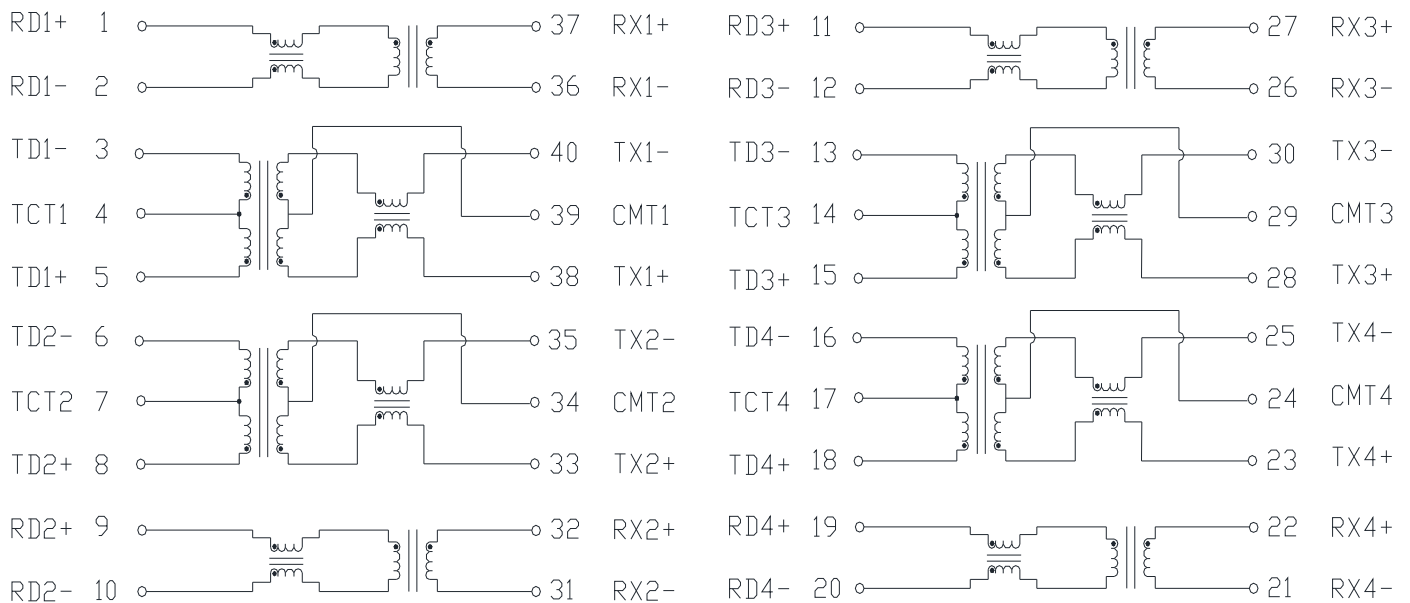
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Schematics:



Package:

