

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

P/N: 40ST1041J DATA SHEET

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Feature



- IEEE 802.3 Ethernet compatible, 100 Base-TX surface mountable.
- Design for multiport repeater and Ethernet switching Hub application.
- Customer designs available for specific application.
- Operating temperature range : 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

Electrical Specifications @ 25°C

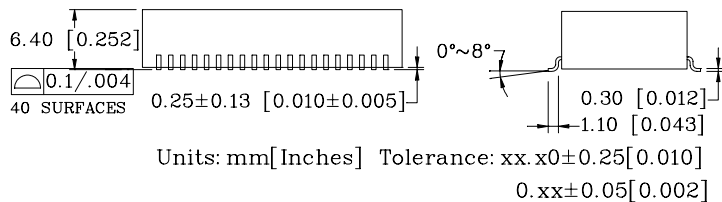
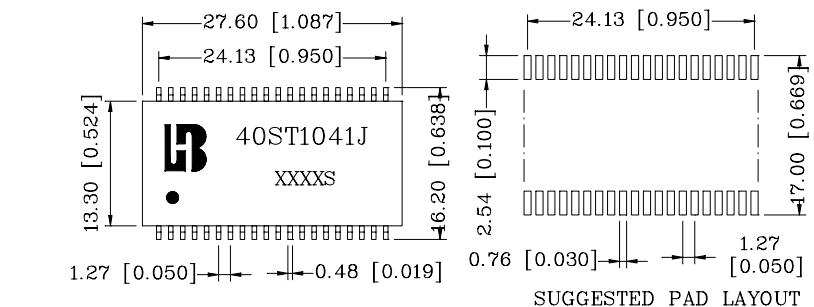
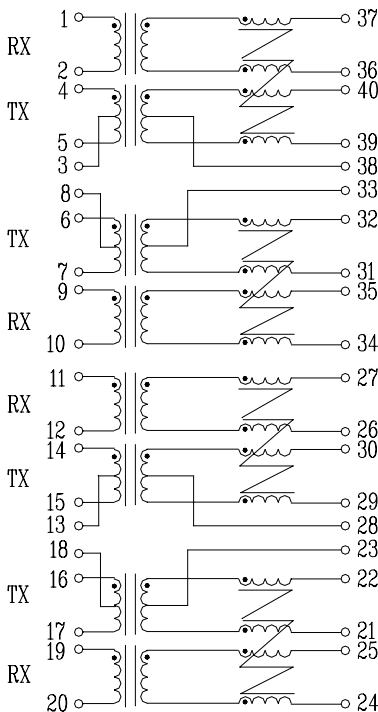
Part Number	Turns Ratio (±5%)		OCL(μ H Min) @100KHz/0.1Vrms 8mA DC/Bias	L.L (μ H Max)	Pri/Sec C _{w/w} (pF Max)	Rise Time (nS Typ)	HI-POT (Vrms)
	TX	RX					
40ST1041J	1CT:1CT	1:1	350	0.4	30	2.5	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)	DCMR (dB Min)	
	0.3-100MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-100MHz	1-60MHz	60-200MHz
40ST1041J	-1.15	-16	-12	-10	-38	-35	-22

Schematic

Mechanical



Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]