



40 PIN SMD ETHERNET 10/100 BASE-TX  
QUAD PORT TRANSFORMERS

P/N: 40ST1041KR DATA SHEET

Feature



- Patented interlock base design.
- Compliant with IEEE 802.3u and ANSI X3.263 standards including.
- Models designed to support four single or double stacked RJ-45 connectors.
- IC grade transfer-molded package withstands 235°C peak temperature profile.
- Operating temperature range : 0°C to +70°C.

Electrical Specifications @ 25°C

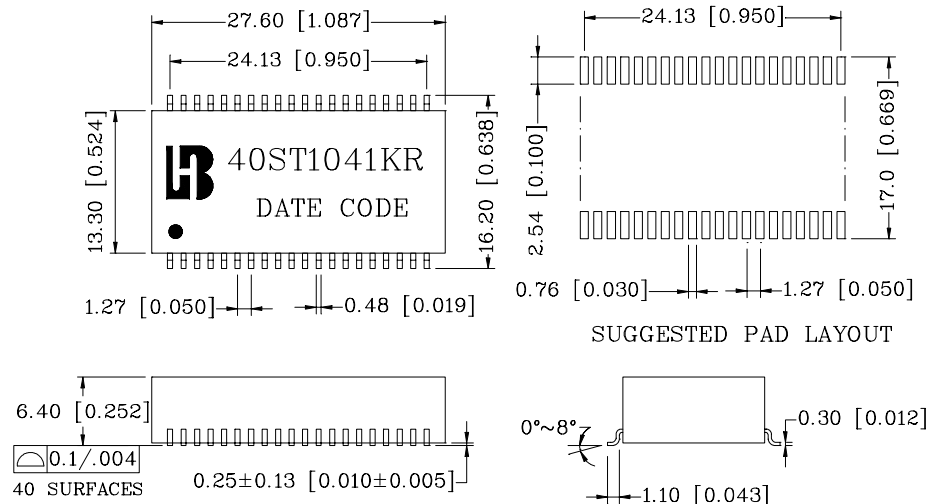
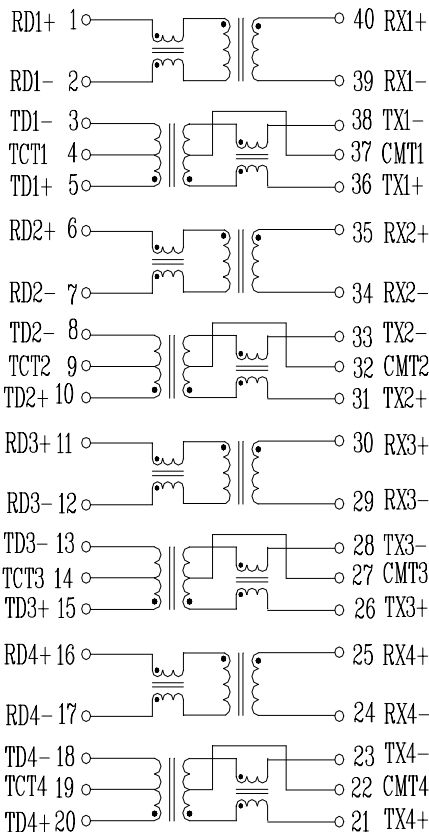
Part Number	Turns Ratio (±5%)		OCL (μH Min) @100KHz/0.1Vrms 8mA DC/Bias	Leakage Inductance (μH Max) @ 100KHz/0.1Vrms	Cw/w (pF Typ) @100KHz/0.1Vrms	Isolation HI-POT (Vrms)	Rise Time (nS Typ)
	TX	RX					
40ST1041KR	1CT:1CT	1:1	350	0.4	20	1500	2.5

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)	
		0.1-100MHz	2-30MHz	40MHz	50MHz		60-80MHz	0.1-100MHz
40ST1041KR	-1.1	-21	-17	-14.5	-12	-38	-37	-25

Schematic

Mechanical



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