



40PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

**P/N: 40ST1041IX DATA SHEET**

**Feature**



- IEEE 802.3 Ethernet compatible, 100 Base-TX.
- Surface mountable.
- Design for multi-port 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 .

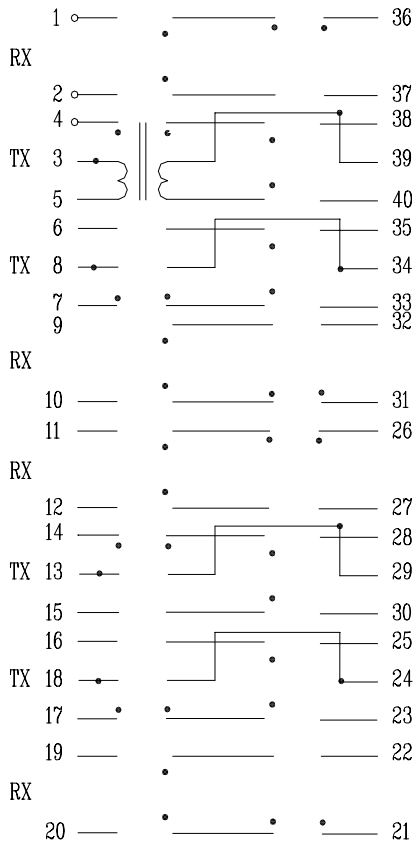
**Electrical Specifications @ 25°C**

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias	L.L (uH Max)	C <sub>WW</sub> (pF Max)	HI-POT (Vrms)	Rise Time (nS TYP)
	TX	RX					
40ST1041IX	1CT:1CT	1CT:1CT	350	0.45	56	1500	2.5

**Continue**

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
		0.3-100 MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-60MHz	60-100MHz	60MHz	100MHz
40ST1041IX	-1.15	-16	-12	-10	-40	-35	-37	-28	-25

**Schematic**



**Mechanical**

