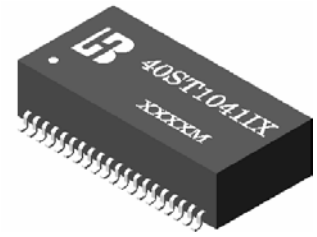
Bothhand USA. **e-mail: sales@bothhandusa.com http://www.bothhandusa.com**

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 multiport repeater and Ethernet switching Hub application.
- Customer designs available for specific application.
- Operating temperature range : 0℃ to +70℃.
- Storage temperature range: -25℃ to +125℃.

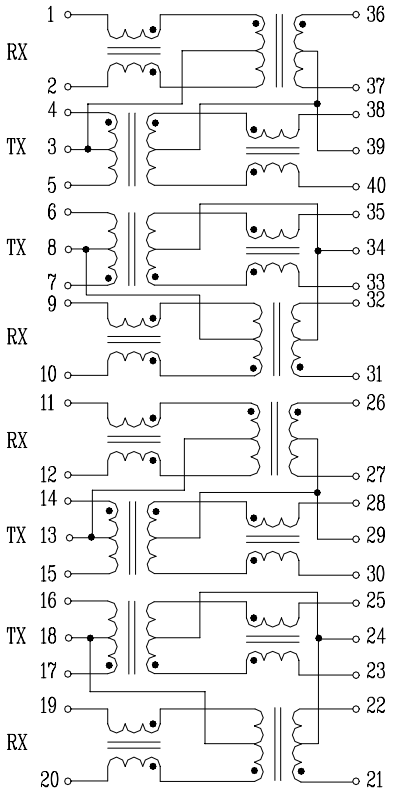
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias	L.L (uH Max)	$C_{W/W}$ (pF Max)	Isolation Voltage (Vrms)	Rise Time (nS TYP)
	TX	RX					
40ST1041IX	1CT:1CT	1CT:1CT	350	0.45	56	1500	2.5

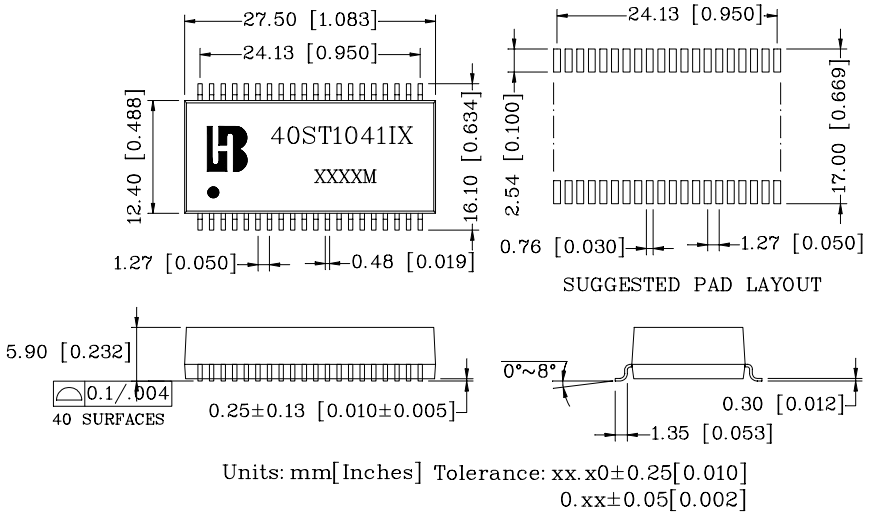
Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB TYP)		DCMR (dB Min)		
	0.3-100 MHz	0.3-30MHz	30-60MHz	60-80MHz	0.3-60MHz	60-100MHz	60MHz	100MHz	200MHz
40ST1041IX	-1.15	-16	-12	-10	-45	-35	-37	-28	-25

Schematic



Mechanical



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

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