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

# 40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

## P/N: 40ST1053 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℃.

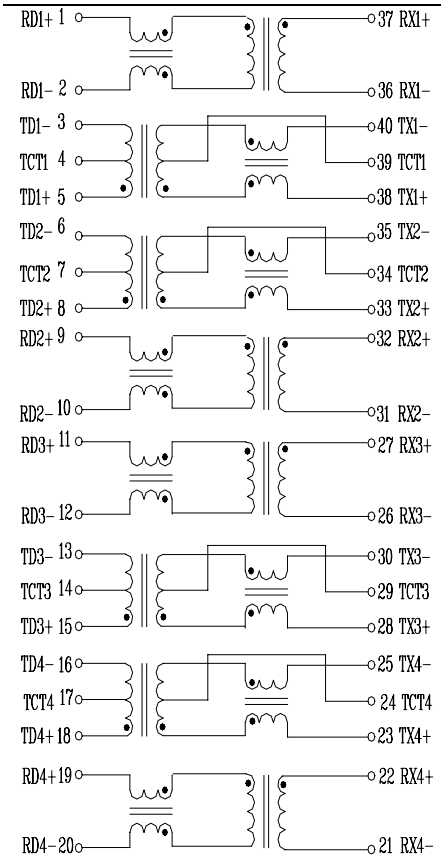
**Electrical Specifications @ 25°C**

| Part Number | Turns Ratio (±5%) | | OCL(μH Min) @100KHz/0.1Vrms 8mA DC/Bias | HI-POT (Vrms) | Rise Time (ns TYP) |
|---|---|---|---|---|---|
| | TX | RX | | | |
| 40ST1053 | 1CT:1CT | 1:1 | 350 | 1500 | 2.5 |

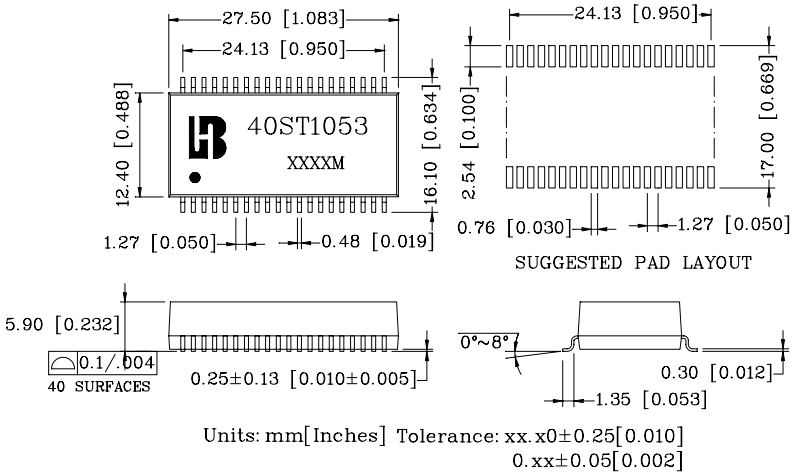
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| Part Number | Insertion Loss (dB Max) | Return Loss (dB Min) | | | Cross talk (dB Min) | | DCMR (dB Min) | | |
|---|---|---|---|---|---|---|---|---|---|
| | 0.3–100MHz | 0.3-30MHz | 30-60MHz | 60-80MHz | 0.3-60MHz | 60-100MHz | 60MHz | 100 MHz | 200 MHz |
| 40ST1053 | -1.15 | -16 | -12 | -10 | -45 | -35 | -37 | -28 | -25 |

**Schematic**




**Mechanical**




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