

40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN:40ST1041M DATA SHEET

A. GENERAL SPECIFICATIONS :

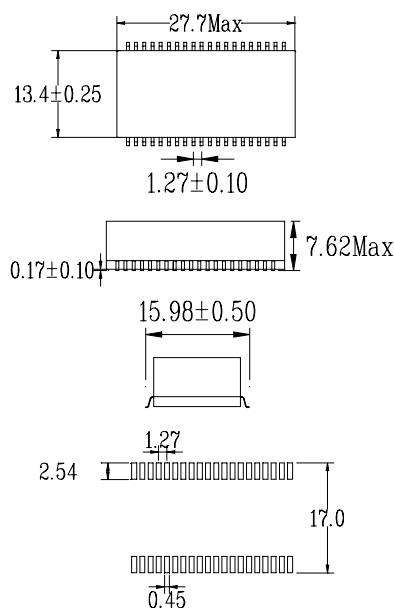
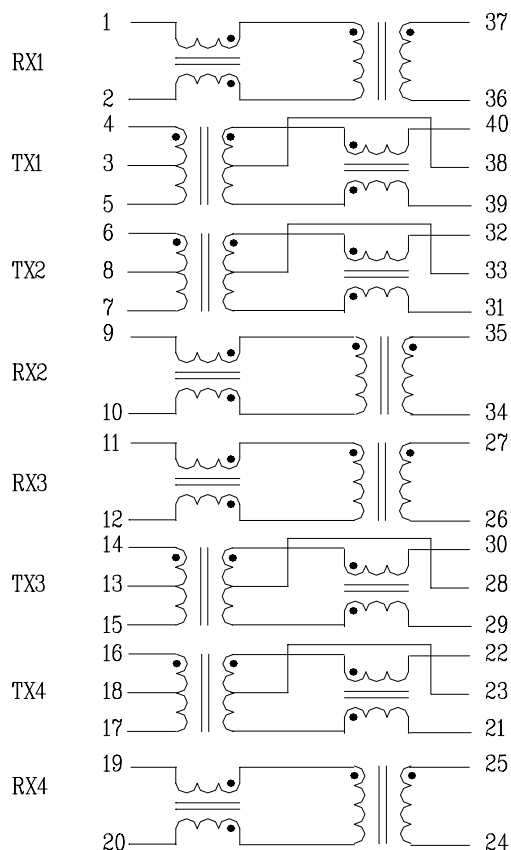
1. IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX.
2. SURFACE MOUNTABLE.
3. DESIGN FOR MULTI PORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION
4. CUSTOMER DESGNS AVAILABLE FOR SPECIFIC APPLICATION.

B.ELECTRICAL SPECIFICATIONS @25°C:

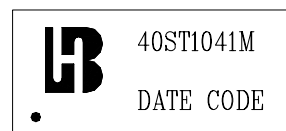
1. PRI./SEC. ISOLATION : 1500Vrms
2. PRI. OCL(TX&RX) : 350uH Min @100KHz/0.1Vrms 8mA DC form 0°C-70°C
3. TURN RATIO ($\pm 5\%$) : TX=1CT;1CT , RX=1:1
4. INSULATION RESISTANCE : 10,000MOHM
5. LEAKAGE INDUCTANCE(TX&RX) : 0.50uH Max
6. PRI./SEC. Cw/w (TX&RX) : 28pF Max
7. PRI. DCR(TX&RX) : 0.9OHM
8. CROSS TALK(0.1MHz~100MHz) : -38dB Min
9. CMRR(1MHz~100MHz) : -40dB Min
10. INSERTION LOSS (1MHz-100MHz): -1.15dB Max
11. RETURN LOSS (dB Min): 1-10MHz, 10-30MHz, 30-60MHz, 60-80MHz

-20 -19 -14 -12

C.SCHEMATIC & DIMENSION & MARKING (UNIT mm)



Suggest pad layout
TOLERANCE: ± 0.25



DOT