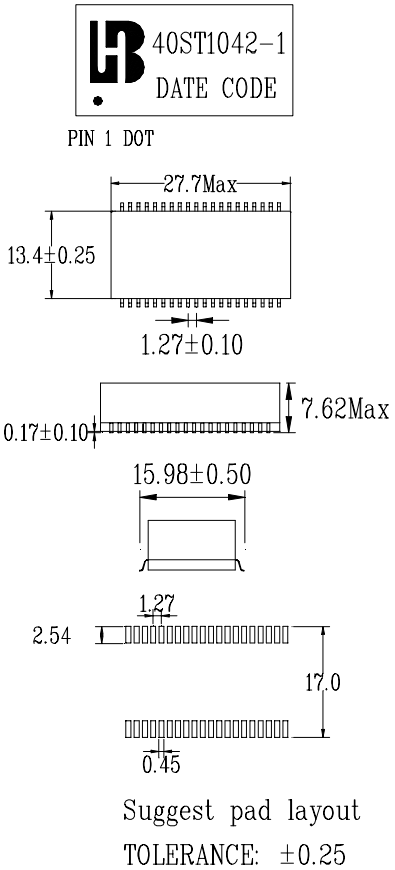
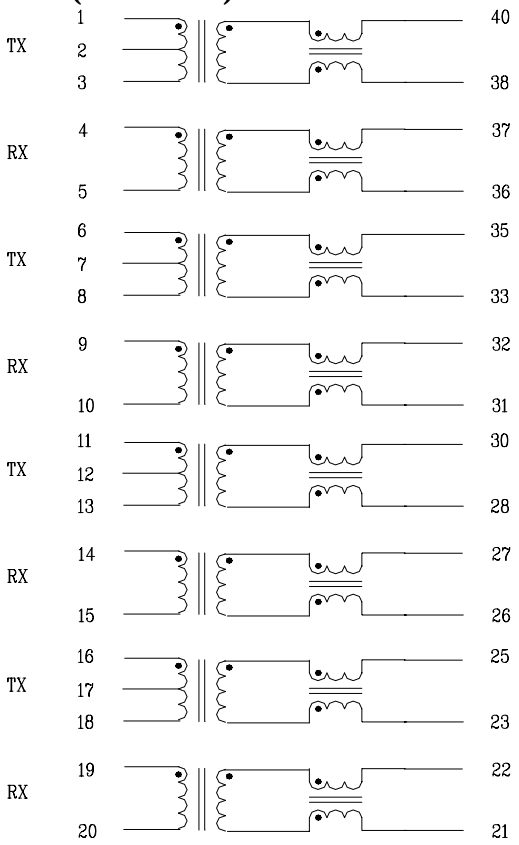
40 PIN SMD ETHERNET 10/100 BASE QUAD PORT TRANSFORMER

PN/:40ST1042-1 DATA SHEET

A.GENERAL SPECIFICATIONS

1.IEEE 802.3 ETHERNET COMPATIABLE, 100 BASE-TX
2.SURFACE MOUNTABLE
3.DESIGN FOR MULTIPORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION
4.CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION

B.ELECTRICAL SPECIFICATIONS @ 25°C

1.ISOLATION HI-POT: 1500 Vrms (PRI. /SEC.)
2.INSULATION RESISTANCE: 10,000 MOHM.
3.TURN RATIO (±5%): TX=2CT: 1CT, RX=1:1
4.PRI. /SEC. Cw/w (pF TYP): 30
5.LEAKAGE INDUCTANCE: TX: 1.3 uH, RX: 0.5 uH Max
6.PRI.DCR (OHM Max): TX=0.9, RX=0.9
7.CROSSTALKS (dB Min): -38 AT 1MHz-100 MHz
8.CMRR (dBMin): -40 AT 1MHz-100 MHz
9.OCL (uH,Min): 350 at 8mA/dc FORM 0-7 C
10.RETURN LOSS: 0.5-30 40 50 60-80 (MHz)
-18 -15.5 -13.6 -12 (dB Min)
11.INSERTION LOSS: -1.1dB Max @ 1-100MHz

C.SCHEMATIC & DIMENSIONS & MARKING (UNIT mm):