

PN/:40ST1041B DATA SHEET

1.IEEE 802.3 ETHERNET COMPATIBLE, 100 BASE-TX

2.SURFACE MOUNTABLE

3.DESIGN FOR MULTIPORT REPEATER AND ETHERNET SWITCHING HUB APPLICATION

4.CUSTOMER DESIGNS AVAILABLE FOR SPECIFIC APPLICATION

5.OPERATING TEMP RANGE: 0°C TO 100°C

1.ISOLATION HI-POT: 1500 Vrms (PRI. /SEC.)

2.TURN RATIO ($\pm 5\%$): TX=1CT:1CT , RX=1:1

3.RISE TIME: 2.5 ns TYP

4.CW/W: 28 pF Max

5.LEAKAGE INDUCTANCE (1MHz): 0.4uH Max

6.CMRR (0.1-100 MHz): -37dB MIN

7.RETURN LOSS (MIN): 5-30 MHz 30-60 MHz 60-80 MHz
 -16dB -12dB -10 dB

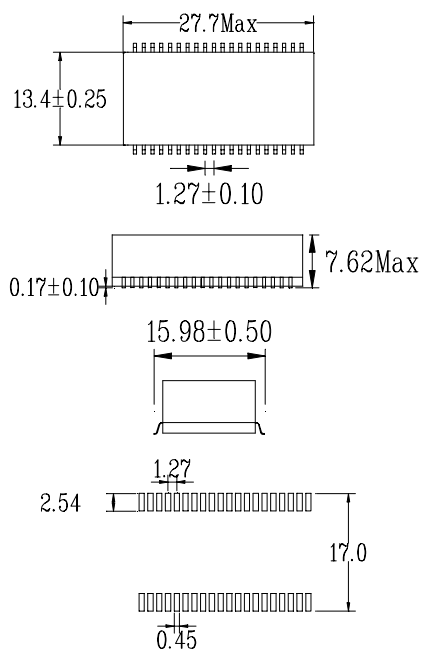
8.CROSSTALKS (0.1 TO 100MHz): -38dB Min

9.OCL (uH,Min):350 uH, at 8mA/dc FORM 0-70°C

10.DCR: 0.9 Max

11. INSERTION LOSS (1MHz-100MHz): -1.1dB Max

LB 40ST1041B
DATE CODE



Suggest pad layout

TOLERANCE: ± 0.25 