

# T1/CEPT/E1/ISDN-PRI TRANSFORMER

## P/N: 4S1142 DATA SHEET

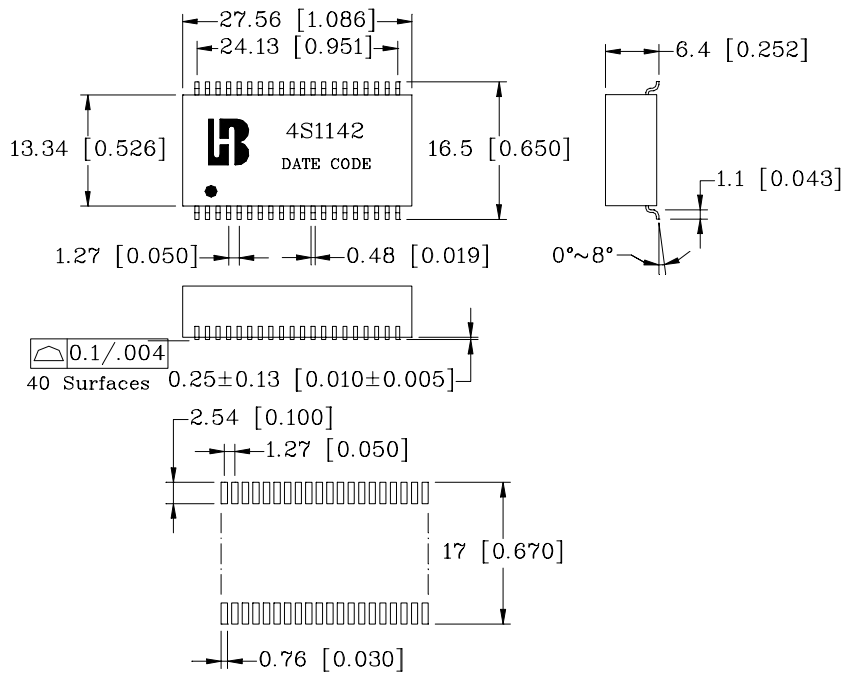
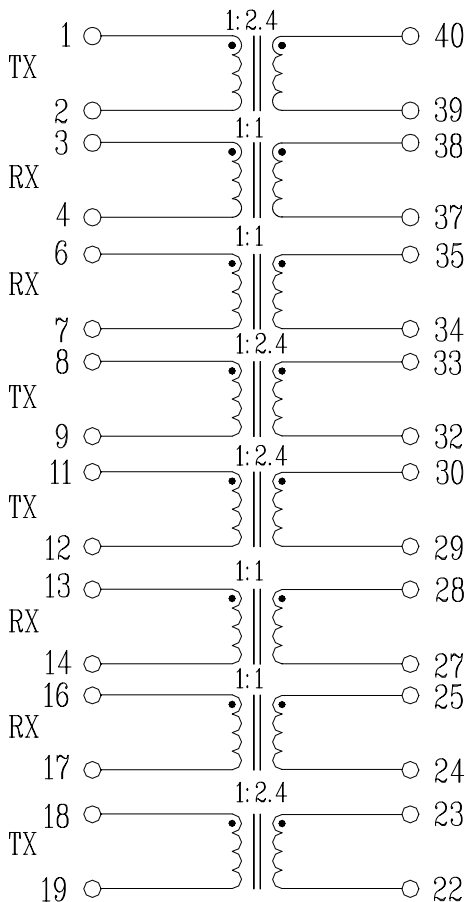
### A. General Specifications

1. Eight transformers in a surface mount package supports four transmit and four receive channels
2. Cross talk : -65dB or better
3. Models matched to leading quad and dual T1/E1/CEPTISDN-PRI transceivers .
4. Operating temperature range: 0°C to +70°C

### B. Electrical Specifications @25°C

1. Isolation HI-POT:1500 Vrms
2. Turns Ratio( $\pm 2\%$ ) : TX=1:2.4, RX=1:1
3. TX/RX OCL.: 1.0 mH Min /1.0 mH Min
4. TX/RX. Cw/w: 35 pF Max/35 pF Max
5. TX/RX L/L: 0.5  $\mu$ H Max/0.5  $\mu$ H Max
6. TX. Primary PINS: 1-2, 8-9, 11-12, 18-19
7. RX. Primary PINS : 25-24, 28-27, 35-34, 38-37

### C. Schematic & Mechanical:



PCB Suggest pad layout Dimensions: mm[Inches]  
 Unless otherwise specified, all tolerances are  $\pm 0.25$ [0.01]