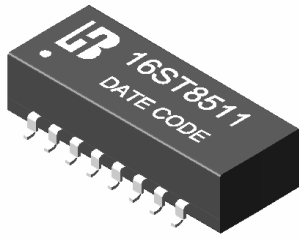




100 BASE-T TRANSFORMER

P/N: 16ST8511 DATA SHEET

Feature



- Designed for 100 MB/s transmission over UTP-5 cable.
- Cable interface for isolation and low common mode emissions.
- 16-PIN SMD Package for economic cost.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

Electrical Specifications @ 25°C

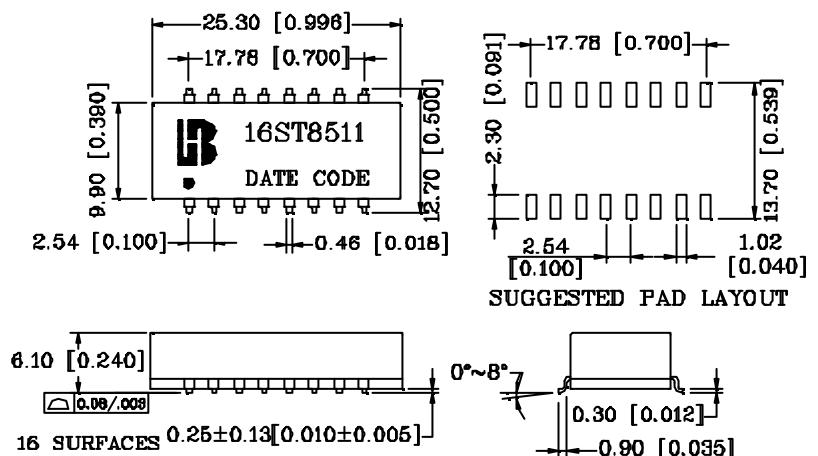
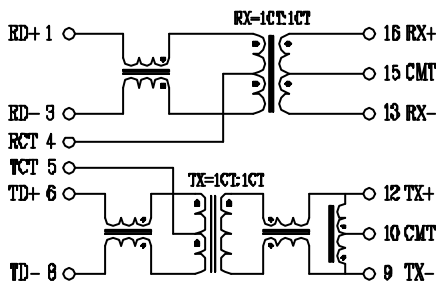
Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1Vrms with 8mA/DC Bias	Insertion Loss (dB Max) 0.3-100 MHz	HI-POT (Vrms)
	TX	RX			
16ST8511	1CT:1CT	1CT:1CT	350	-1.15	1500

Continue

Part Number	Return Loss (dB Min)					Cross talk (dB Min)		DCMR (dB Min)TX/RX	
	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	0.3-60MHz	60-100MHz
16ST8511	-16	-14	-13.5	-13	-12	-40	-38	-45/-40	-40/-35

Schematic

Mechanical



Units: mm[inches] Tolerances: xx.x0±0.25[0.010]
0.xx±0.05[0.002]