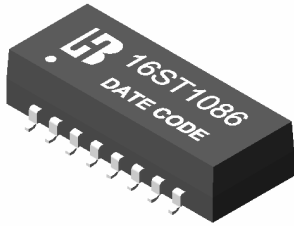




### 10/100 BASE-T SINGLE PORT TRANSFORMER MODULES

### P/N: 16ST1086 DATE SHEET

#### Feature



- Meet all IEEE 802.3 and ANSI X 3.263 standards including 350μH OCL with 8mA Bias.
- Patented interlock base construction for high reliability
- Rise time optimized for National' s DP83843.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

#### Electrical Specifications @ 25°C

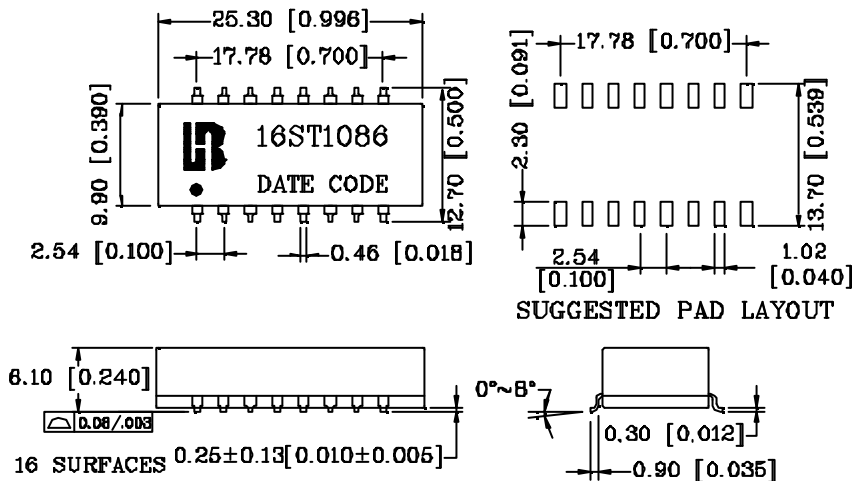
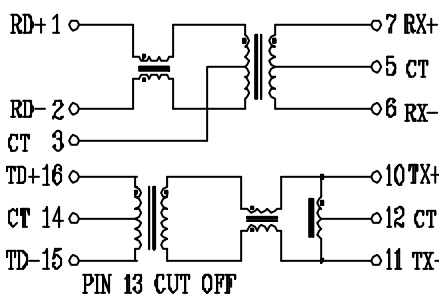
Part Number	Turns Ratio (±5%)		OCL (μH Min) @ 100KHz/0.1V with 8mA DC Bias	DCR (O Max)	Insertion Loss (dB Max)		HI-POT (Vrms)
	TX	RX			0.3-100 MHz	100-125MHz	
16ST1086	1CT:1	1CT:1CT	350	0.9	-1.0	-1.5	1500

#### Continue

Part Number	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
	0.3-40MHz	40-50MHz	50-80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16ST1086	-20	-18	-14	-45	-35	-40	-30	-25

#### Schematic

#### Mechanical



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