

**P/N: TN1142B DATE SHEET****Feature**

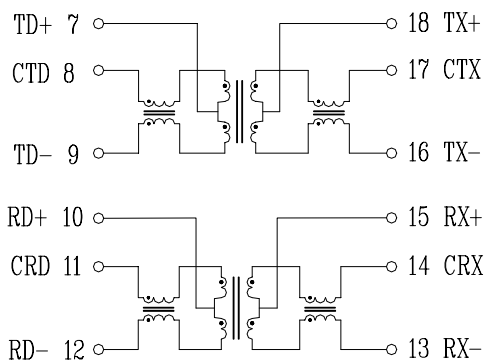
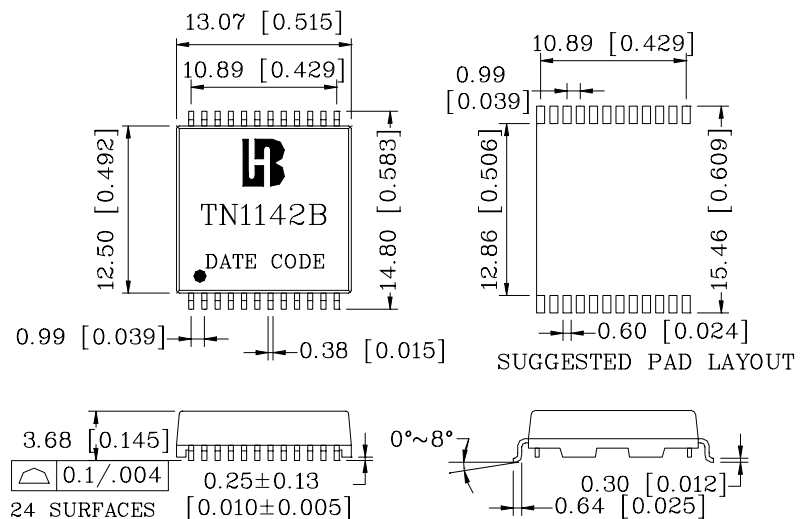
- 24 Pin SMD surface mount package.
- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Operating temperature range: 0 to +70 .
- Storage temperature range: -25 to +125 .

**Electrical Specifications @ 25°C**

Part Number	Turns Ratio		OCL(uH Min) @ 100KHz/0.1V with 8mA DC Bias	C <sub>W/W</sub> (pF Max)	L.L (uH Max)	DCR ( Max)	HI-POT (Vrms)
	TX	RX					
TN1142B	1CT: 1CT	1CT: 1CT	350	28	0.5	1.1	1500

**Continue**

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)		DCMR (dB Min)		
		0.3-100 MHz	0.3-30MHz	40MHz	50MHz	60-80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz
TN1142B	-1.1	-18	-15.5	-13	-12	-45	-35	-40	-35	-30

**Schematic****Mechanical**

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