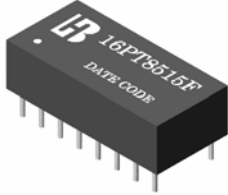


**10/100 BASE-T TRANSFORMER**

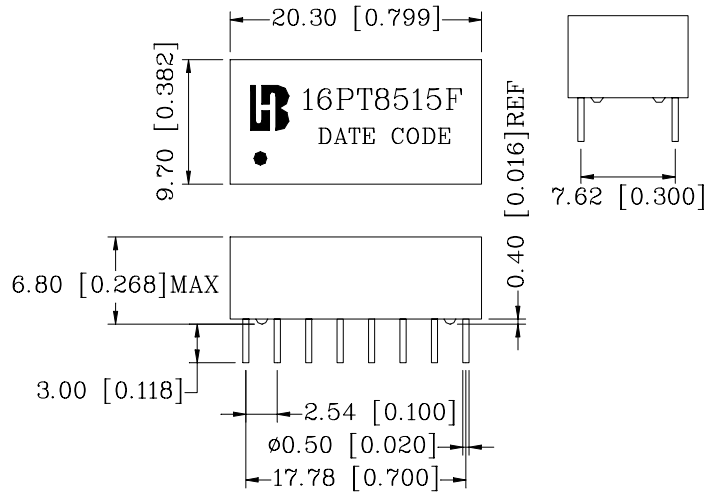
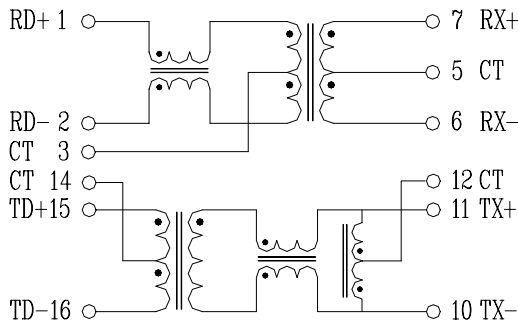
**P/N:16PT8515F DATA SHEET**

**Feature**



- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Tested & qualified for use with national semiconductor's DP83840 Ethernet 10/100 PHY chip.
- Cable interface for isolation and low common mode emissions.
- 16-PIN DIP package for economic cost.
- Operating Temperature range: 0°C to +70°C.
- Storage temperature range: -25°C to +125°C.

Electrical Specifications @ 25°C											
Part Number	Turns Ratio (±5%)		Rise Time (10-90%) nS TYP				HI-POT (Vrms)				
	TX	RX									
16PT8515F	1CT:1	1CT:1CT	2.5				1500				
Continue											
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)					Cross talk (dB Min)		DCMR (dB Min) TX/RX		
	0.3 - 100 MHz	30MHz	40MHz	50MHz	60MHz	80MHz	0.3-60MHz	60-100MHz	30MHz	60MHz	100MHz
16PT8515F	-1.15	-16	-14	-13.5	-13	-12	-45	-35	-42/-40	-35/-30	-28/-25
Schematic						Mechanical					



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