

**P/N:16PT8520M DATA SHEET****Feature**

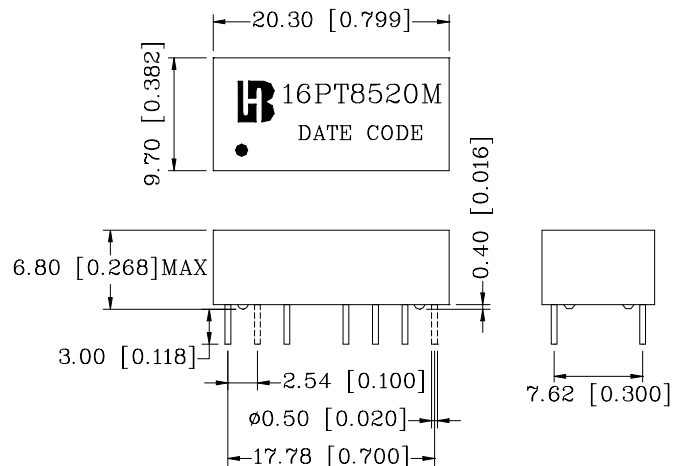
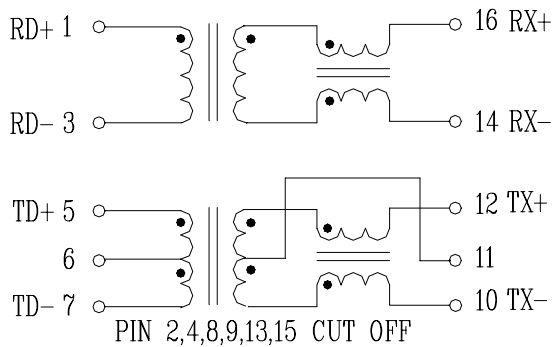
- Designed for 10/100 MB/s transmission over UTP-5 cable.
- Tested & qualified for use with national semiconductor's DP83840 Ethernet 10/100 PHY chip.
- Cable interface for isolation and low common mode emissions.
- 16-PIN DIP package for economic cost.
- Operating Temperature range: -40°C to +85°C.
- Storage temperature range: -40°C to +125°C.

Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @ 100KHz/0.1Vrms with 8mA/DC Bias	Cw/w (pF Max)	L.L (uH Max)	DCR (Ω Max)	HI-POT (Vrms)
	TX	RX					
16PT8520M	1CT:1CT	1:1	350	28	0.6	0.9	1500

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Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)				Cross talk (dB Min)	DCMR (dB Min)
	0.3-100 MHz	0.5-30MHz	40MHz	50MHz	60-80MHz	0.3-100MHz	0.3-100MHz
16PT8520M	-1.1	-16	-15	-13	-11	-35	-30

Schematic**Mechanical**

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