



10/100 BASE-T ETHERNET ISOLATION TRANSFORMER

P/N: ML16S40HF

Feature

- Designed to meet IEEE 802.3af requirements.
- Non-PoE Product.
- Primary inductance(Lp)350uH min. @ 100KHz,0.1Vrms,8mA.
- LL:0.35uH Max @100KHz, 0.1V
- Cww:30pF Max@100KHz, 0.1V
- Operation temperature 0°C to +70°C.
- Storage temperature -25°C to +125°C.

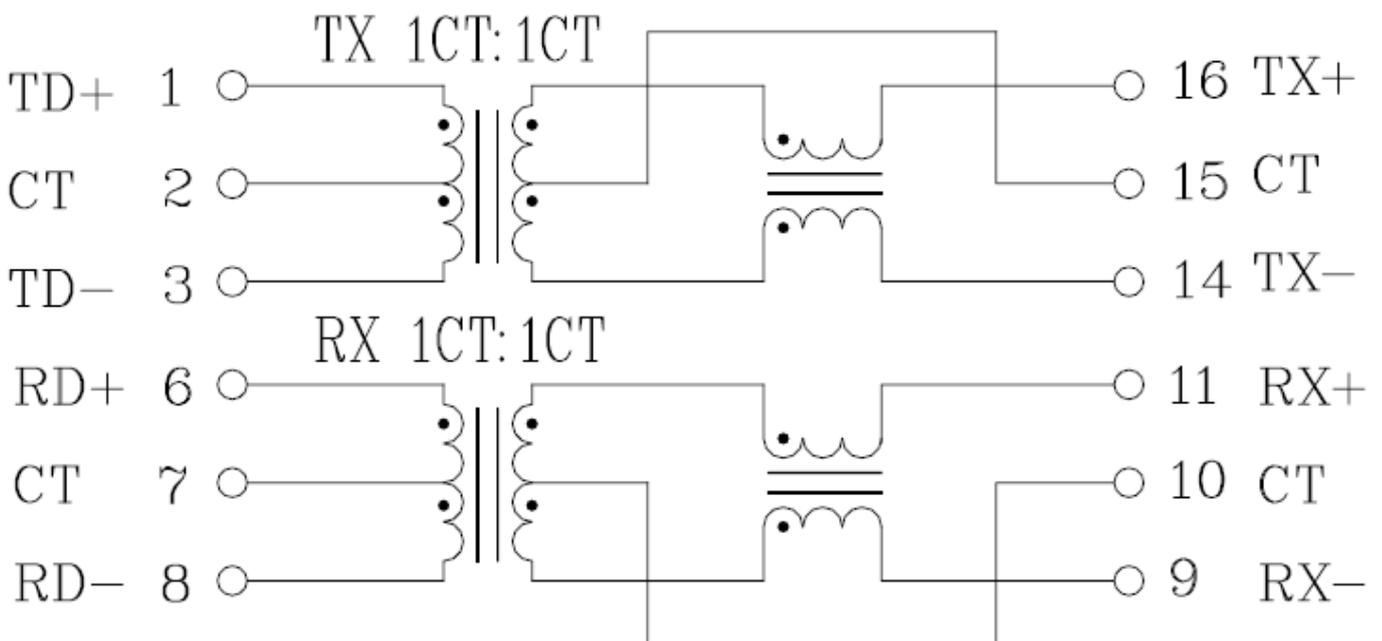
Electrical Specifications@25°C

Part Number	Turns Ratio (±5%)		OCL(uH Min) @100KHz/0.1V With 8mA DC Bias	Cw/w (pF Typ)	L.L (uH Max)	DCR (Ω Max)		HI-POT (Vrms)
	1-3:16-14	6-8:11-9				1-3/6-8	16-14/11-9	
ML16S40HF	1CT:1CT	1CT:1CT	350	28	0.5	0.9	1.1	1500

Continue

Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross talk (dB Min)		DCMR (dB Min)		
	1-100MHz	30MHz	60MHz	80MHz	30-60MHz	60-100MHz	30MHz	60MHz	100MHz
ML16S40HF	-1.15	-18	-14	-12	-45	-35	-40	-35	-30

Schematic

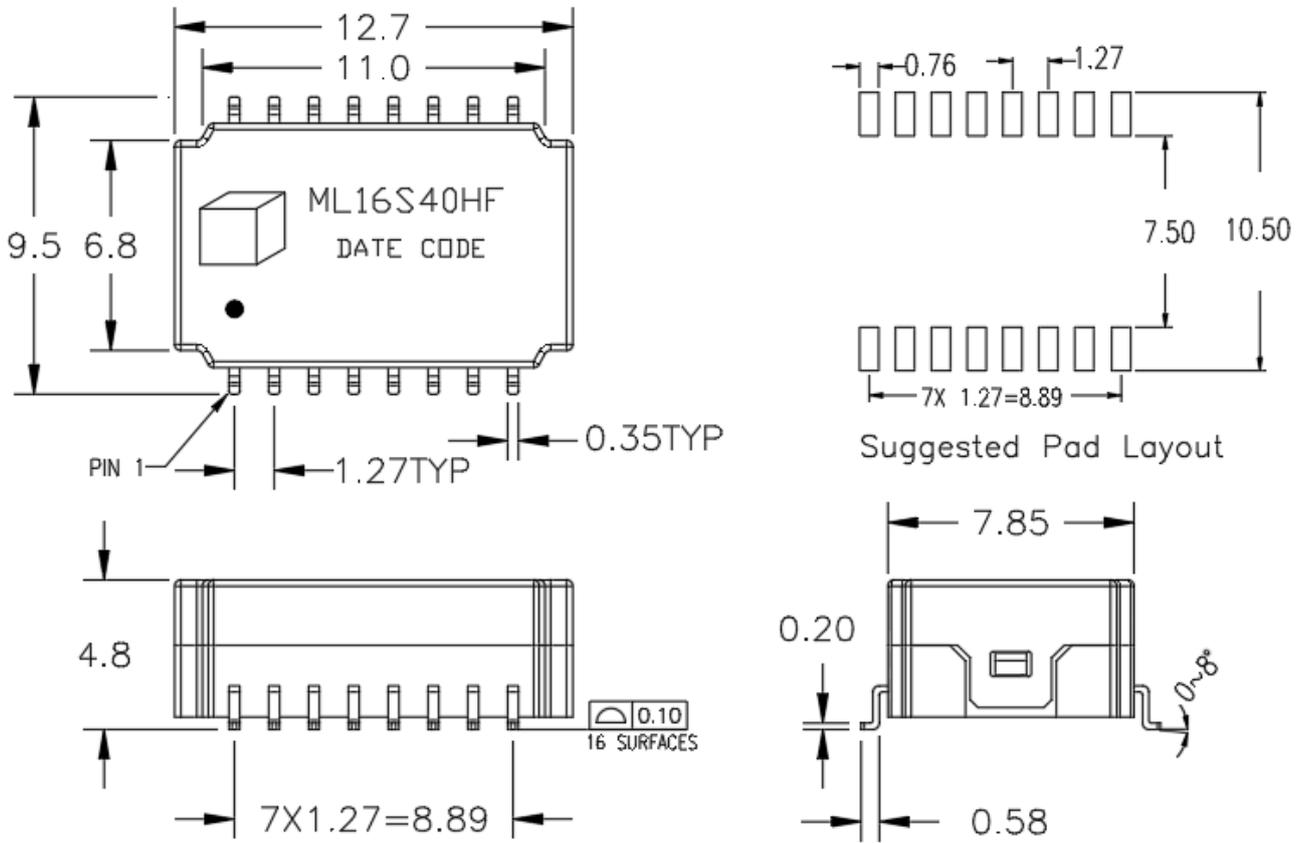




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Mechanical



Dimension: mm(inch) Unless otherwise specified, all tolerances are +/-0.25(0.01)