

NOTES: UNLESS OTHERWISE SPECIFIED

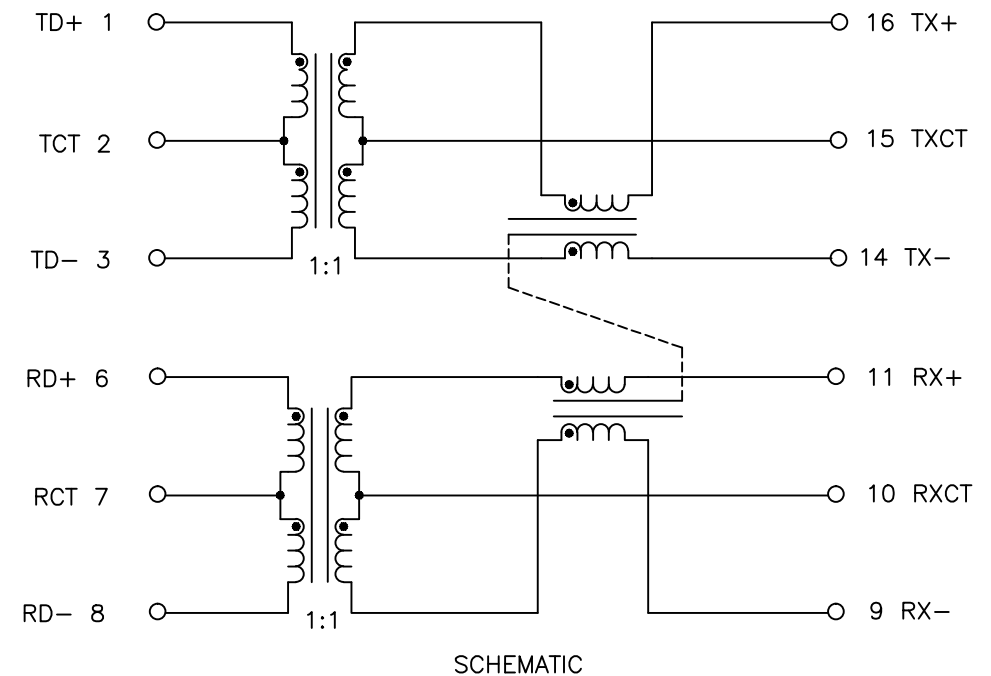
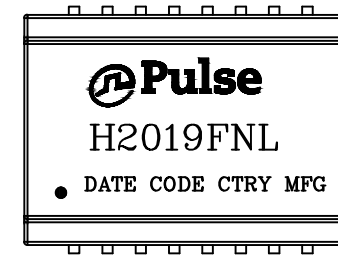
- | | |
|---------|--|
| NOTICE: | THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER. |
| RoHS-6 |  |
- PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
- SOLDERABILITY: CONFORMS TO ANSI/J-STD-002 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
- OPERATING TEMPERATURE: 0°C TO +70°C
- STORAGE TEMPERATURE: -20°C TO +125°C
- JEDEC MOISTURE: LEVEL 1.
- DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.01
.XXX = ±.005

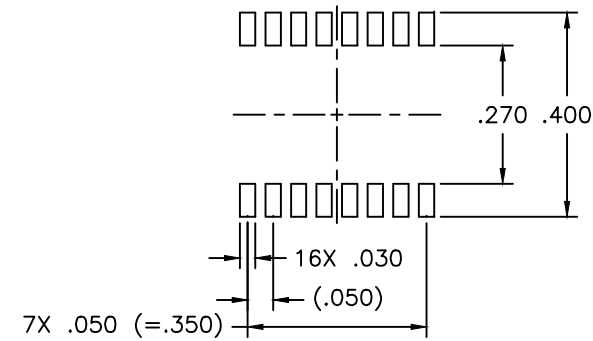
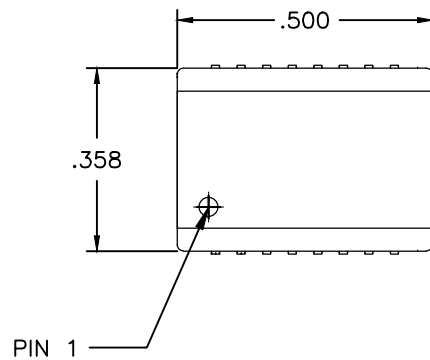
ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

PARAMETER	SPECIFICATIONS		
	100 KHz	1-125 MHz	
INSERTION LOSS	-1.2 dB MAX	$-0.2-0.002*f^{1.4}$ dB MAX	
RETURN LOSS, 1000BT (Z OUT = 100 OHM $\pm$ 15%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 dB MIN	$-10+20*LOG_{10}$ (f/60 MHz) dB MIN	-10 dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C - 70°C)	350 μ H MIN (MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS)		
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz	
	-50 dB MIN	$-55+22*LOG_{10}(f/10)$ dB MIN	
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz	
	-45 dB MIN	$-7+28*LOG_{10}(f/200)$ dB MIN	
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX		
DC RESISTANCE IMBALANCE	$\pm$.065 OHMS MAX (CENTER TAP SYMMETRY)		
INPUT - OUTPUT ISOLATION	1500 VRMS MIN AT 60 SECONDS		

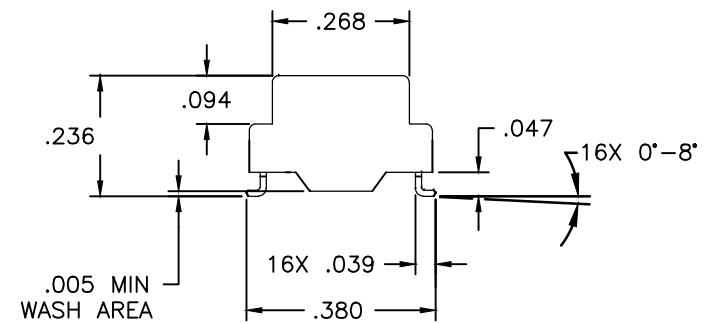
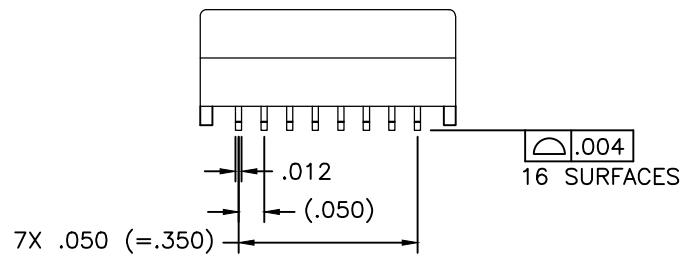
NOTE: f IS FREQUENCY IN MHz.

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SUGGESTED LAND PATTERN



PULSE CONFIDENTIAL & PROPRIETARY	PRODUCT DESCRIPTION	PS DRAWING	SHEET:	DWG. NO./ PART NO.	REV.
	MDL,SIN,100P,1:1,SMT	PS-2005.002-C	2	H2019FNL	M10