


NOTES: UNLESS OTHERWISE SPECIFIED

1.

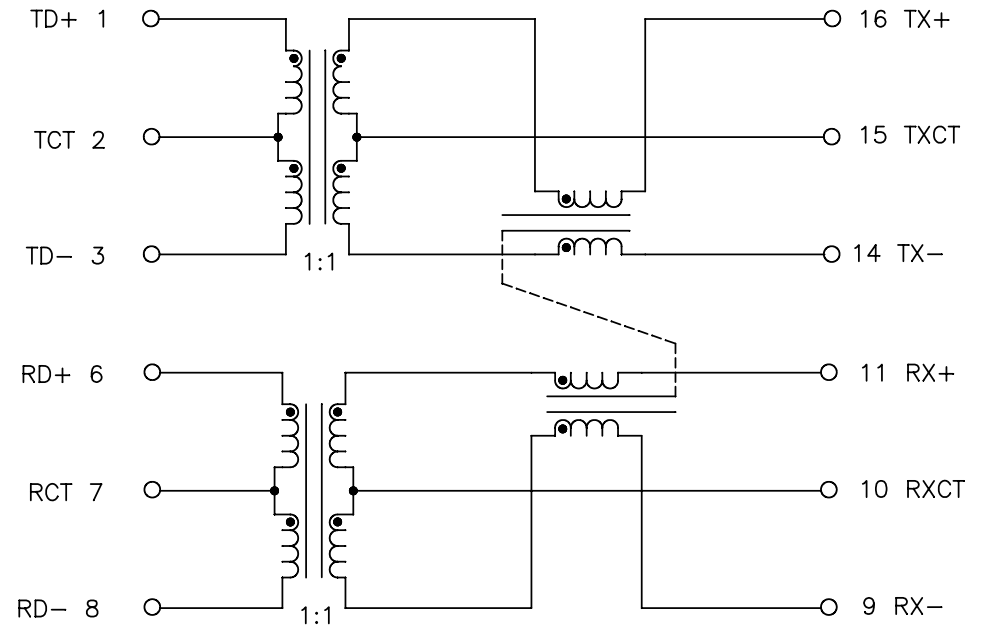
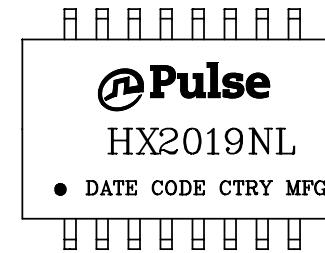
NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS-6	
	

2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:
.XX = ±.01
.XXX = ±.005

ELECTRICAL CHARACTERISTICS:
ELECTRICAL: @ +25°C

PARAMETER	SPECIFICATIONS		
INSERTION LOSS	100 KHz	1-125 MHz	
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX	
RETURN LOSS, 1000BT (Z OUT = 100 OHM ±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, -40°C - +85°C)	350 uH MIN* (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)		
	1 MHz	10-100 MHz	
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-55+22*LOG ₁₀ (f/10) dB MIN	
	2 MHz	30-200 MHz	
COMMON MODE REJECTION RATIO	-45 dB MIN	-7+28*LOG ₁₀ (f/200) dB MIN	
	DC RESISTANCE, 1/2 WINDING		
DC RESISTANCE IMBALANCE			.75 OHMS MAX
DC RESISTANCE			±.065 OHMS MAX (CENTER TAP SYMMETRY)
INPUT - OUTPUT ISOLATION			1500 VRMS MIN AT 60 SECONDS

NOTES: f IS FREQUENCY IN MHz.
* = 325 uH AT -40°C



SCHEMATIC

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PROPRIETARY

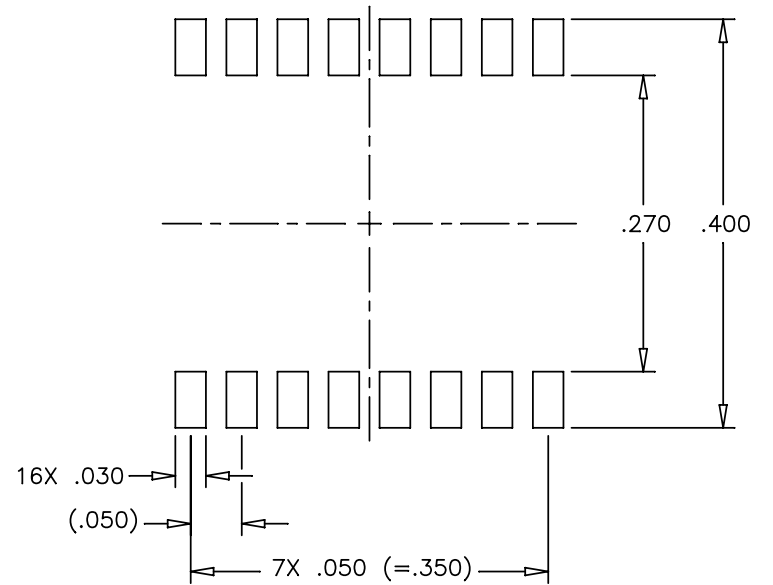
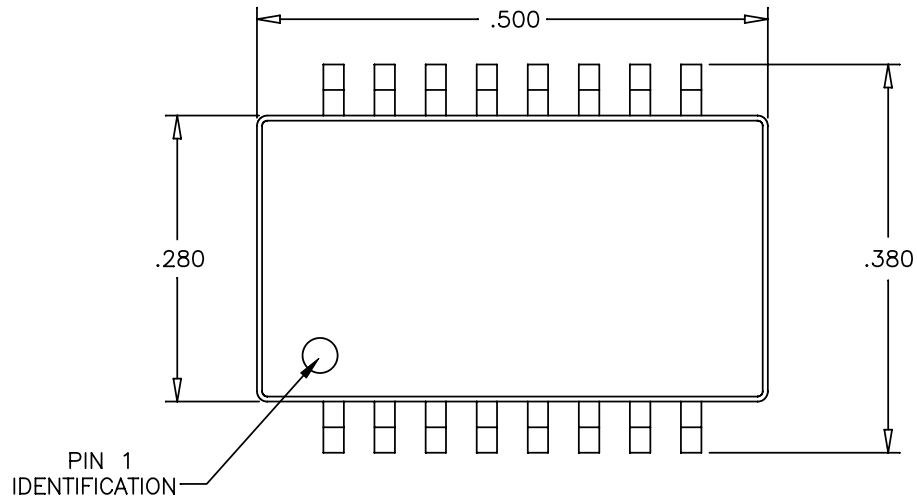
PRODUCT DESCRIPTION
MDL,SIN,100P,1:1,SMT

PS DRAWING
PS-2005.001-D

SHEET:
1

DWG. NO./ PART NO.
HX2019NL

REV.
M16



SUGGESTED LAND PATTERN

