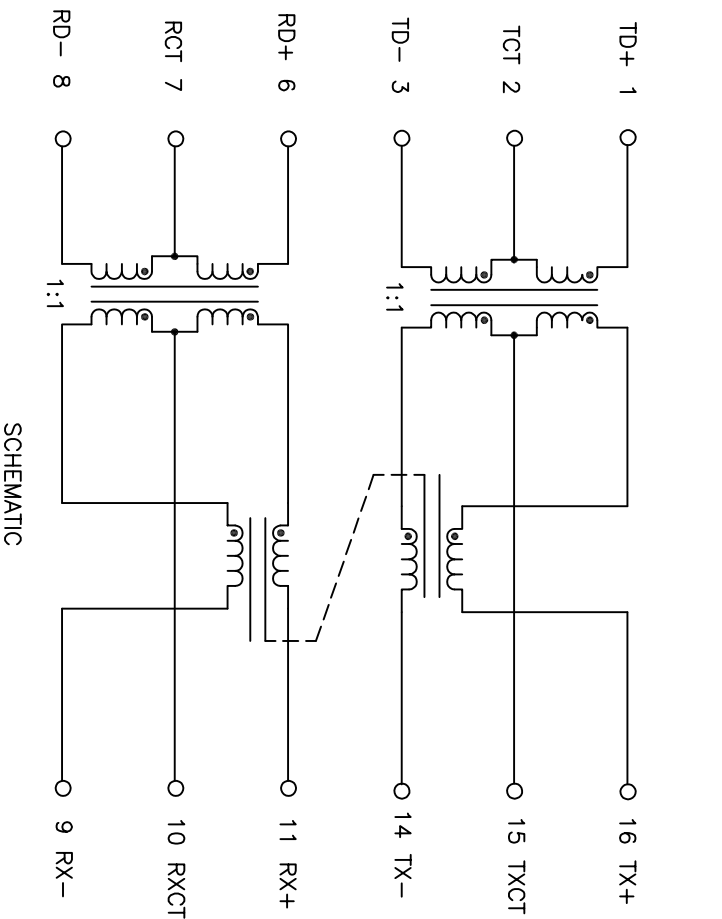


ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

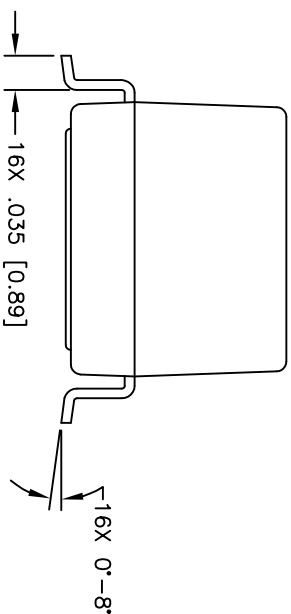
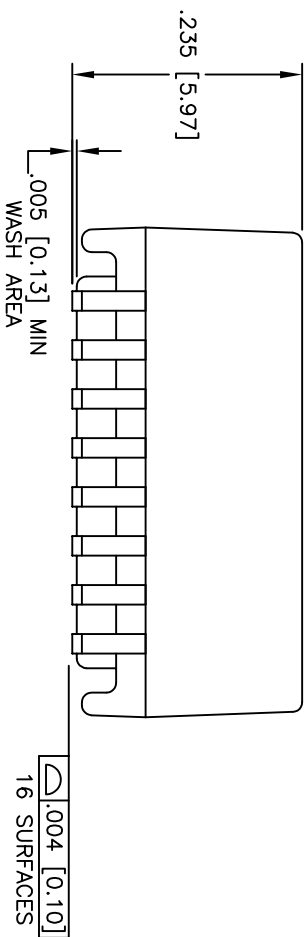
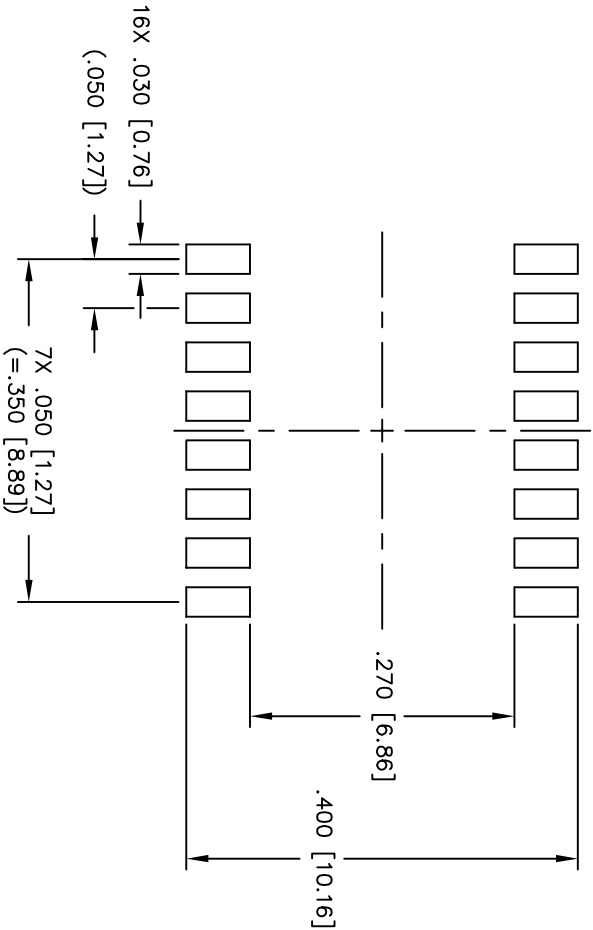
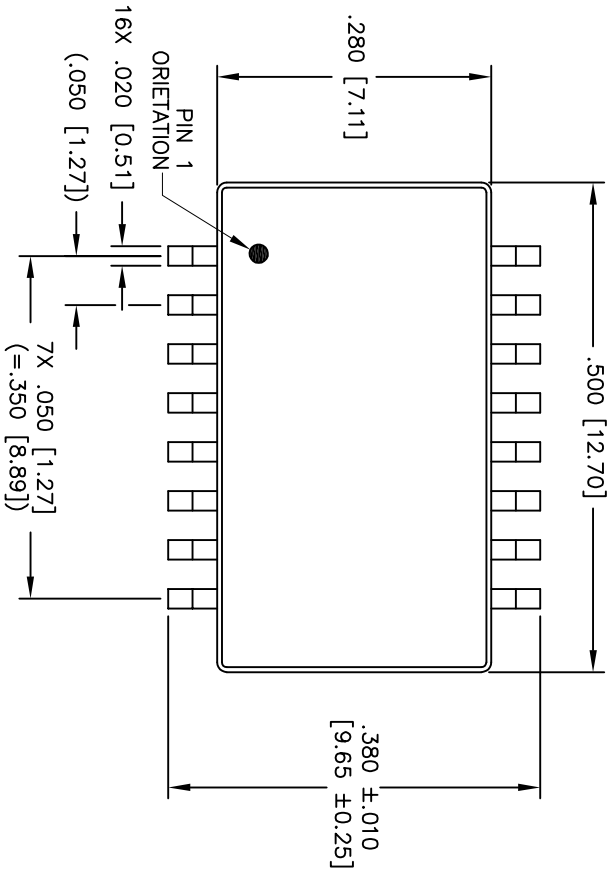


PARAMETER	SPECIFICATIONS			
OPERATING TEMP	-40°C TO +85°C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS	100 KHz	1-125 MHz		
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX		
RETURN LOSS, 1000BT (Z OUT = 100 OHM ±15%)	.1-30 MHz	30-60 MHz	60-80 MHz	
	-16 dB MIN	-10+20*LOG ₁₀ (f/60 MHz) dB 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)			
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	.75 OHMS MAX			
DC CURRENT/VOLTAGE, RATING - PSE PINS	350 mA MAX, @ 57 V (CONTINUOUS)			
DC RESISTANCE IMBALANCE	±.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

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATSHEET REV.
MDL,SIN,100P,1:1,SMT	HX2019NL-18	PS-2005.001-F	2 OF 3	HX2019NL	B



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX = ±.01 [±0.25]
.XXX = ±.005 [±0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100P,1:1,SMT	HX2019NL-18	PS-2005.001-F	3 OF 3	HX2019NL	B