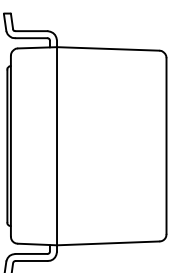
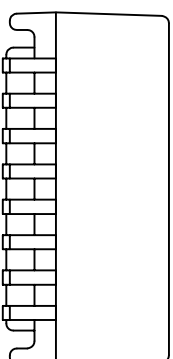
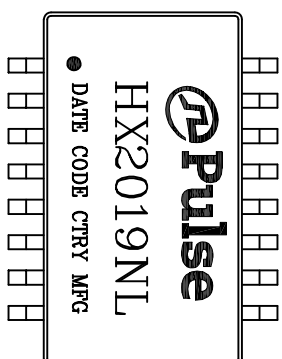




NOTES:

1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -50°C TO +125°C
4. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER (i.e HX2019NL BECOMES HX2019NL(T)).

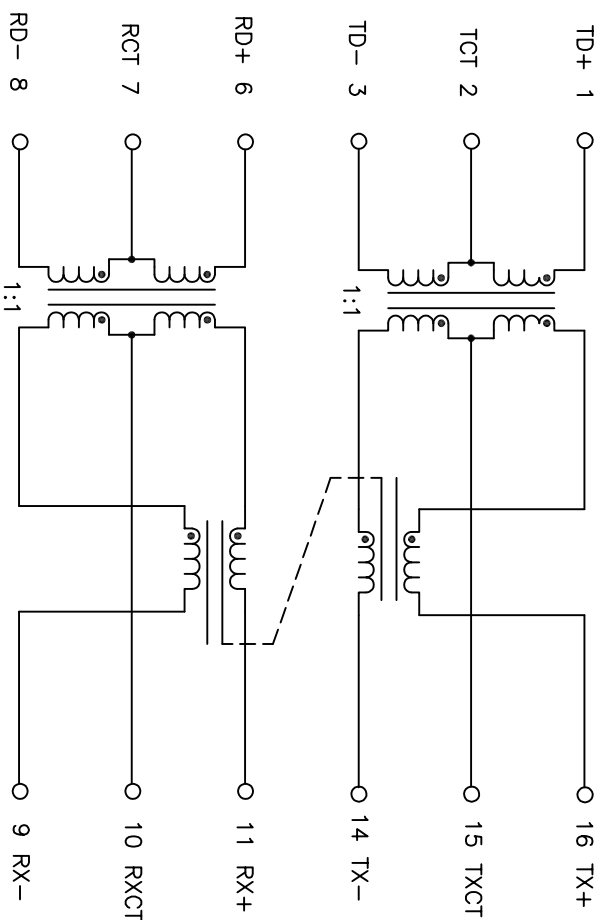


FINAL OUTLINE

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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	1 OF 3	HX2019NL	B

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

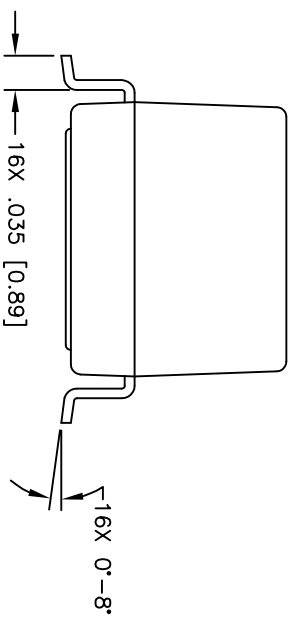
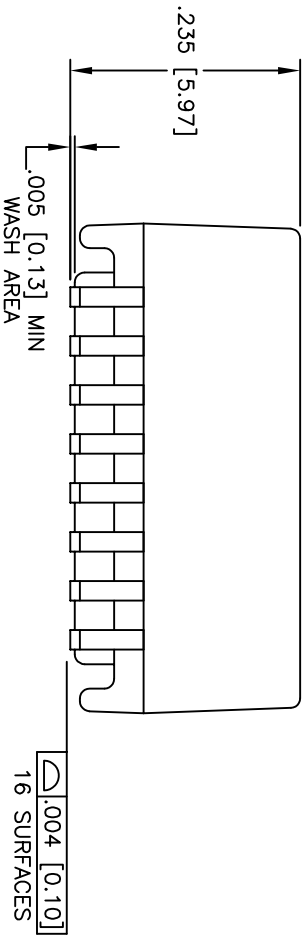
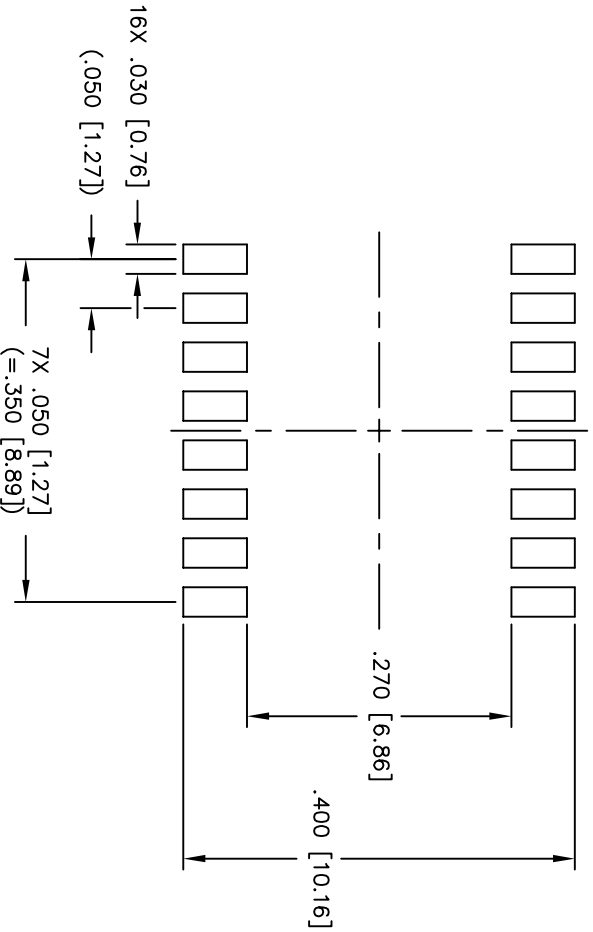
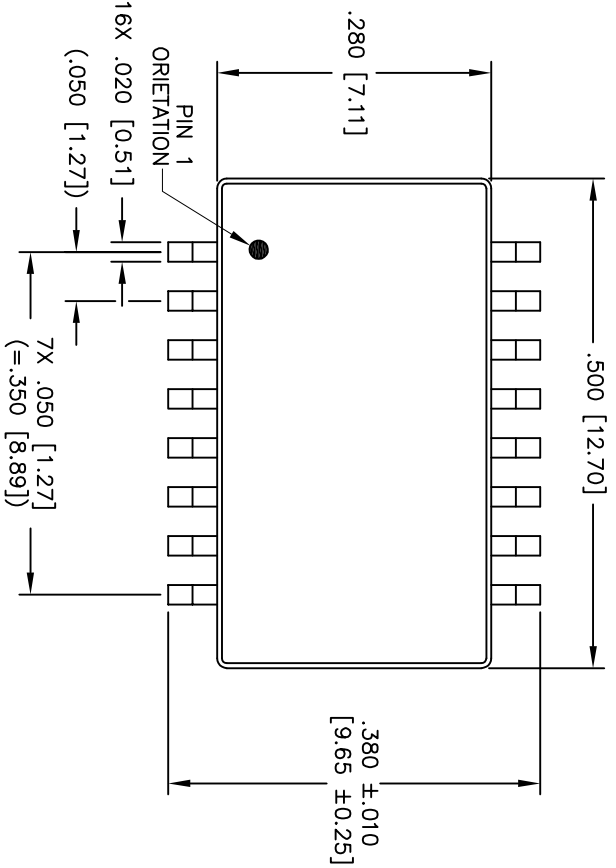


PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C TO +85°C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
INSERTION LOSS	100 KHZ	1-125 MHZ	
	-1.2 DB MAX	-0.2-0.002*f <sup>1.4</sup> DB MAX	
RETURN LOSS, 1000BT (Z OUT = 100 OHM ±15%)	.1-30 MHZ	30-60 MHZ	60-80 MHZ
	-16 DB MIN	-10+20*LOG <sub>10</sub> (f/60 MHZ) DB MIN	-10 DB MIN
	INDUCTANCE (OCL) (MEDIA SIDE, -40°C - +85°C)		
CROSSTALK, ADJACENT CHANNELS	350 UH MIN* (MEASURED AT 100 KHZ, 100 mV(RMS) AND WITH 8 MA DC BIAS)	10-100 MHZ	
	1 MHZ	-50 DB MIN	
COMMON MODE REJECTION RATIO	2 MHZ	30-200 MHZ	
	-45 DB MIN	-7+28*LOG <sub>10</sub> (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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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

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