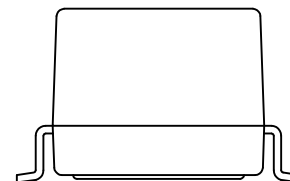
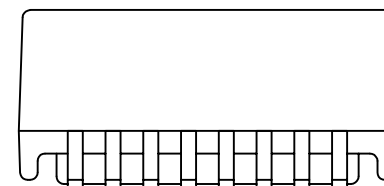
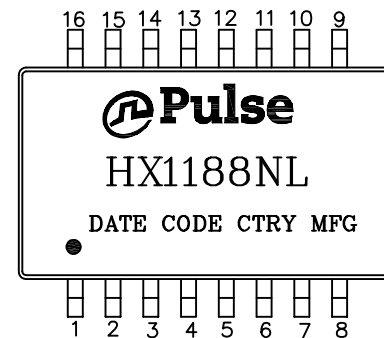




NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE:  $-50^{\circ}\text{C}$  TO  $+125^{\circ}\text{C}$
4. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT  $245^{\circ}\text{C}$  REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - C. J-STD-075: R7,  $245^{\circ}\text{C}$  MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER(i.e HX1188NL BECOMES HX1188NLT).
6. NOT FOR SALE IN U.S.



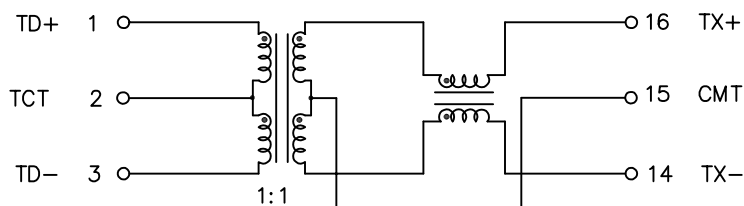
FINAL OUTLINE

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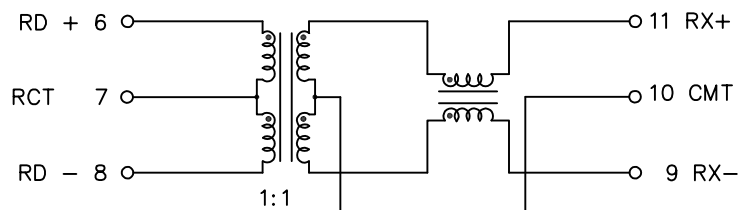
PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188NL-15	PS-2005.001-G	1 OF 4	HX1188NL	F



TRANSMIT



RECEIVE



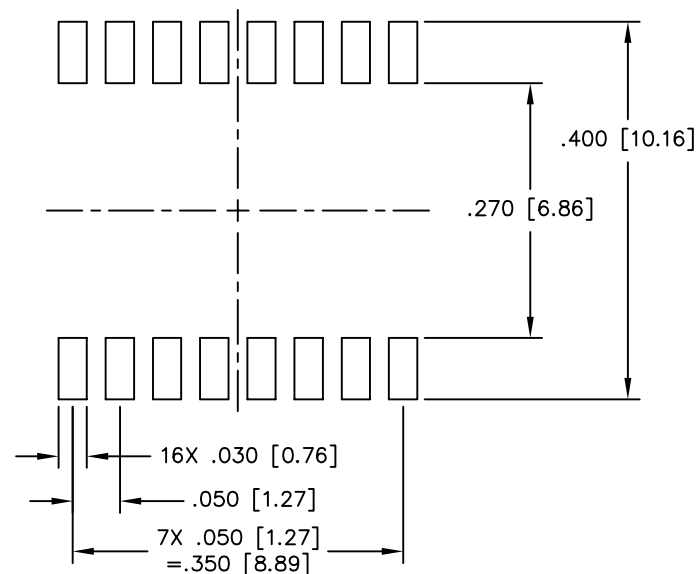
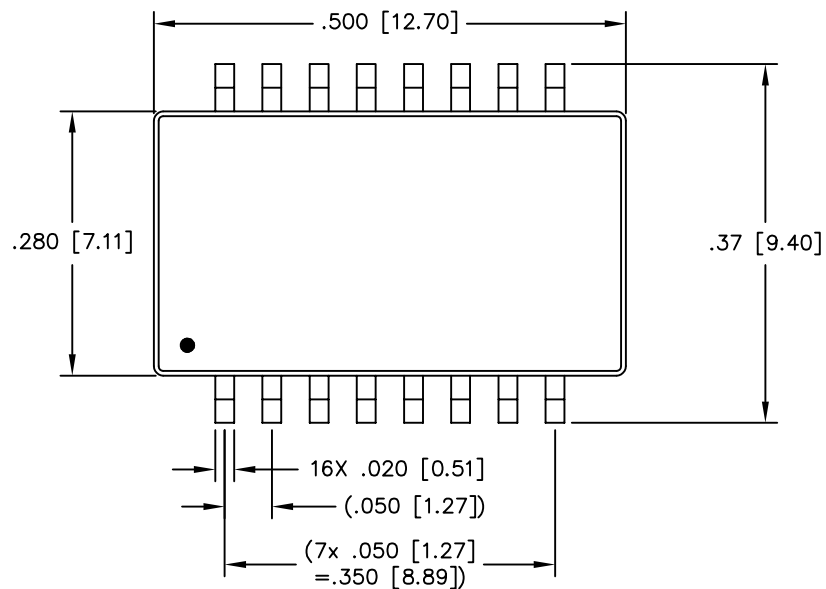
SCHEMATIC

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

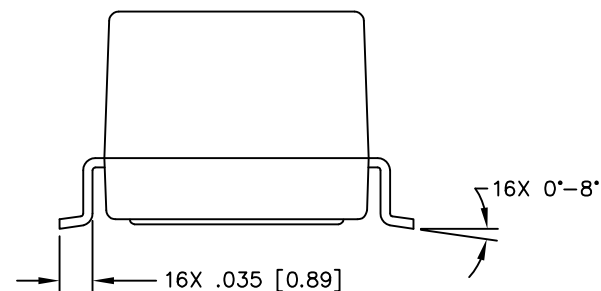
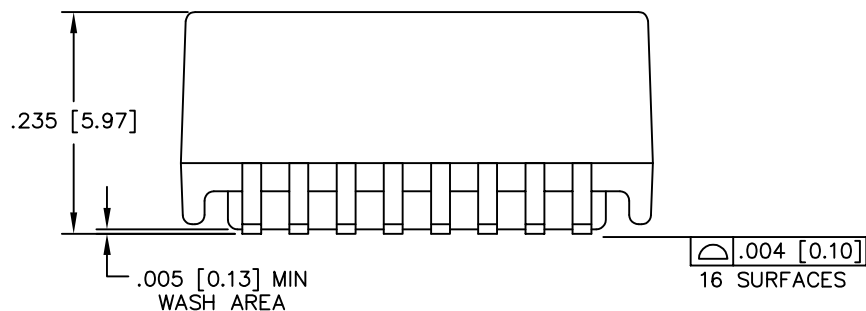
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C TO +85°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
▽ INDUCTANCE (OCL) (16-14) = (11-9) (MEDIA SIDE, -40°C~+85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)	
▽ INSERTION LOSS	1-100 MHz	125 MHz
	-1.0 dB MAX	-3.0 dB MAX
RETURN LOSS Z <sub>OUT</sub> = 100 OHMS	5 MHz	30-80 MHz
	-18 dB MIN	-16 + 20LOG <sub>10</sub> (f/30 MHz) dB MIN
CROSSTALK (TX-RX)	1 MHz	5-100 MHz
	-62 dB MIN	-45 + 21LOG <sub>10</sub> (f/30 MHz) dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200 MHz	
	-50 + 17LOG <sub>10</sub> (f/5 MHz) dB MIN	
▽ INPUT - OUTPUT ISOLATION	1500 VRMS FOR 60 SECONDS	

NOTE: 1. f IS FREQUENCY IN MHZ.

2. "▽" IS SPECIAL CHARACTERISTIC.



SUGGESTED LAND PATTERN



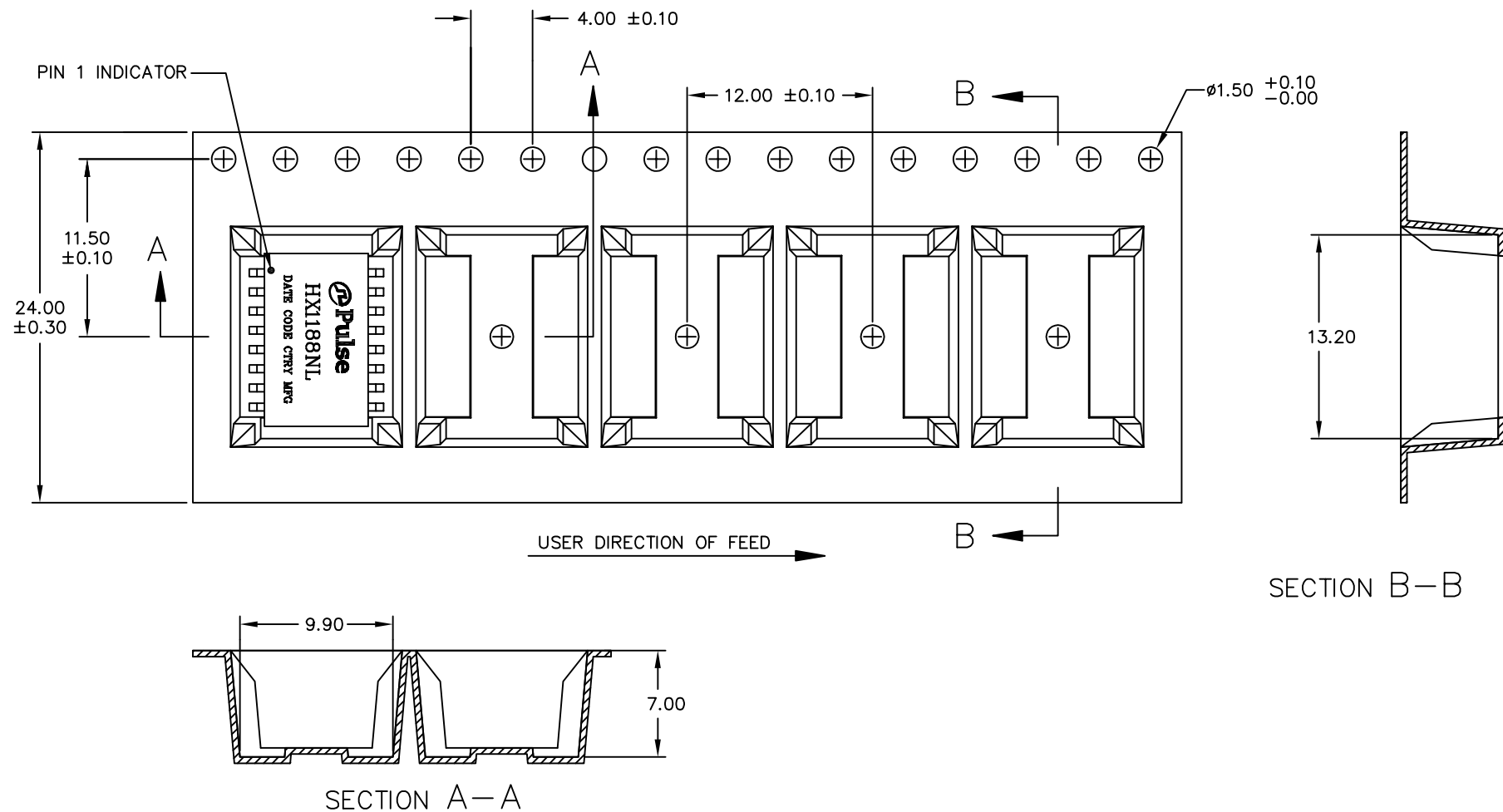
DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING  
TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  
.XX=  $\pm 0.01$  [ $\pm 0.25$ ]  
.XXX=  $\pm 0.005$  [ $\pm 0.13$ ]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188NL-15	PS-2005.001-G	3 OF 4	HX1188NL	F



NOTE: PACK 600 PIECES PER REEL



DIMENSIONS ARE IN MM WITH THE FOLLOWING  
TOLERANCES:  $\pm 0.10$

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188NL-15	PS-2005.001-G	4 OF 4	HX1188NL	F