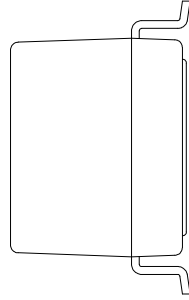
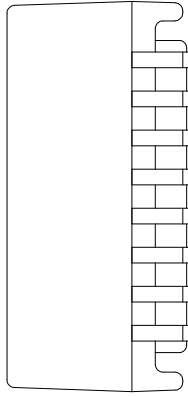
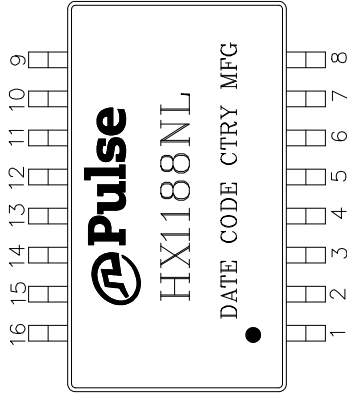




NOTES:

1. ROHS COMPLIANT
2. HEADER: DAP (DIALYL PHTHALATE) 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 HX1188NL BECOMES HX1188NLT).

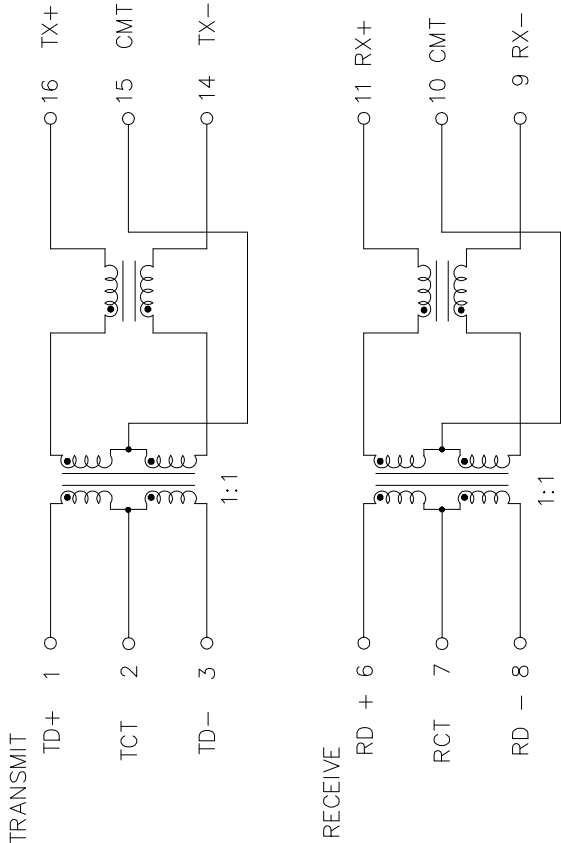


FINAL OUTLINE

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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|------------------------|-------------|---------------|--------|----------|----------------|
| MDL,SIN,100D,1:1,SM,TU | HX1188NL-17 | PS-2005.001-G | 1 OF 4 | HX1188NL | H |

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

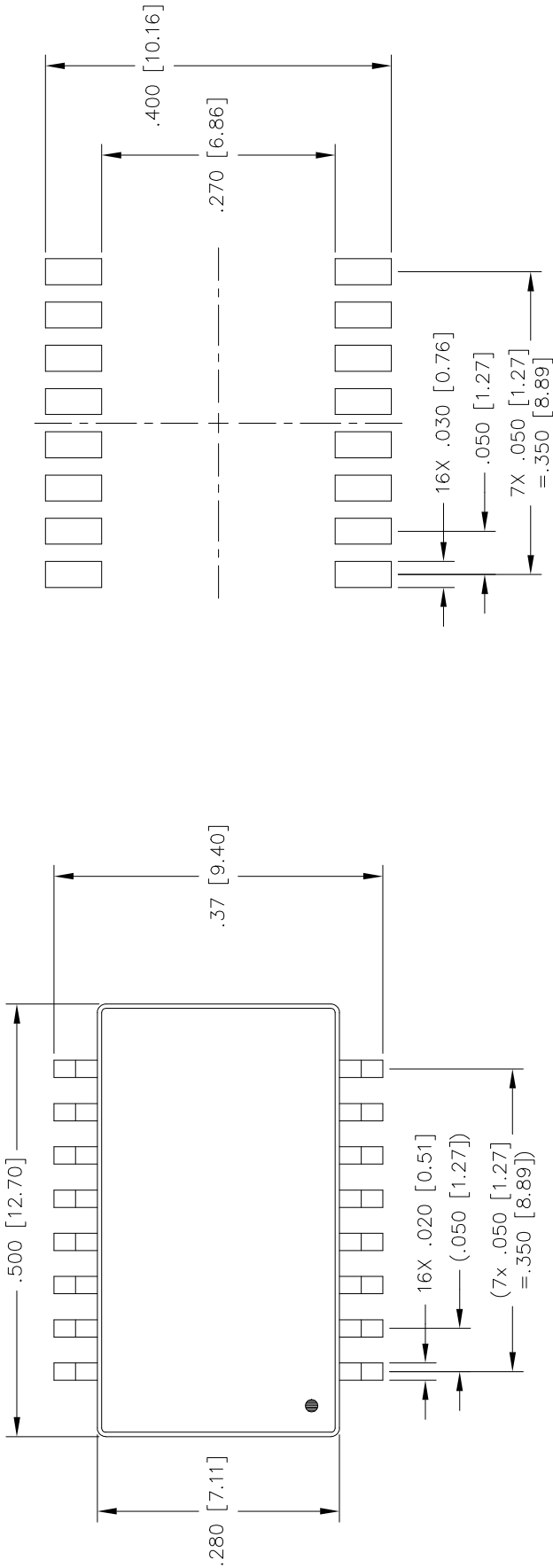
| PARAMETER | SPECIFICATIONS | |
|---|--|---|
| OPERATING TEMP | -40°C TO +85°C | |
| URNS RATIO | 1 : 1 ±2% | |
| POLARITY | PER SCHEMATIC | |
| ▽ INDUCTANCE (OCL) (16-14) = (11-9) (MEDIA SIDE, -40°C~+85°C) | 350 uH MIN | (MEASURED AT 100 KHz, 100 mVRMS) (AND WITH 8 mA DC BIAS) |
| ▽ INSERTION LOSS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

- NOTE: 1. f IS FREQUENCY IN MHz.
2. "▽" IS SPECIAL CHARACTERISTIC.

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|------------------------|-------------|---------------|--------|----------|----------------|
| MDL,SIN,100D,1:1,SM,TU | HX1188NL-17 | PS-2005.001-G | 2 OF 4 | HX1188NL | H |

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SUGGESTED LAND PATTERN



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

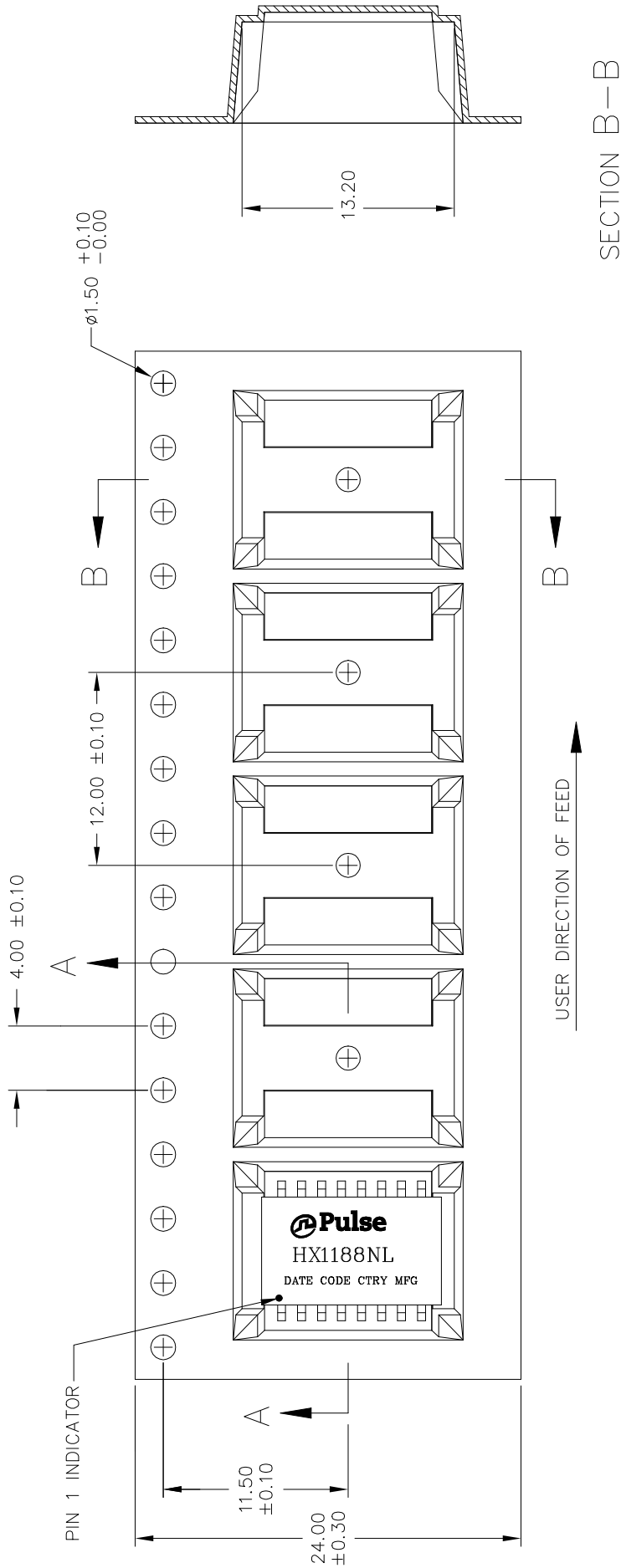
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NOTE: PACK 600 PIECES PER REEL



DIMENSIONS ARE IN MM WITH THE FOLLOWING
TOLERANCES: ± 0.10

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