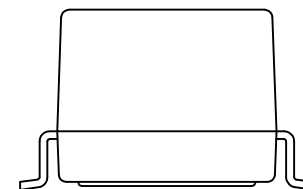
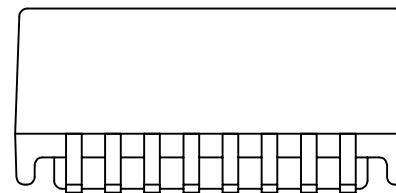
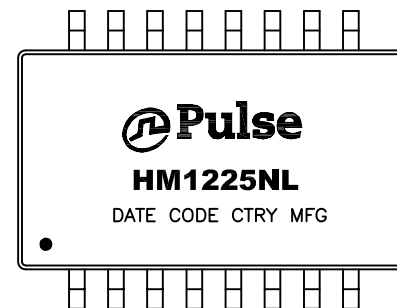


NOTES:

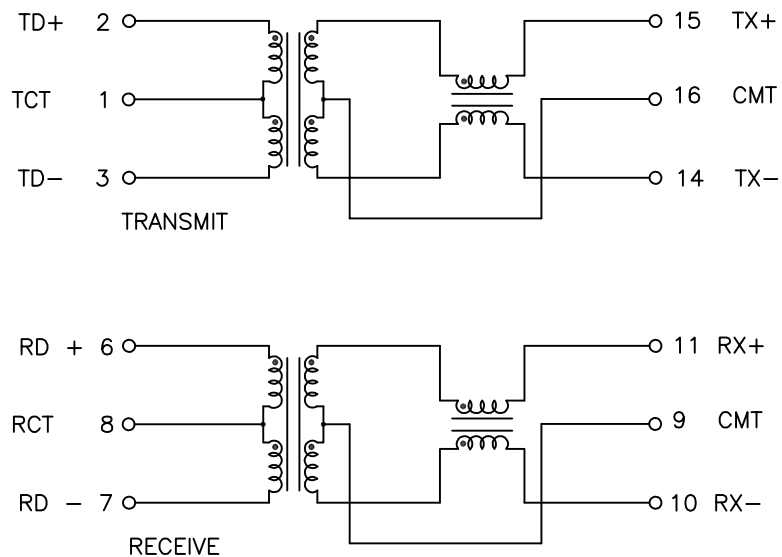
1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +125°C
3. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
4. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
TO THE PART NUMBER(i.e HXXXXXXNL BECOMES HXXXXXXNLT).
5. MEETS AEC-Q200 REQUIREMENTS



FINAL OUTLINE

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| PRODUCT DESCRIPTION | TLA DRAWING | PS DRAWING | SHEET | PART NO. | DATASHEET REV. |
|------------------------------|-------------|---------------|--------|----------|----------------|
| MDL,SIN,100D,1:1/1.5:1,SM,TU | HM1225NL-10 | PS-2005.001-F | 1 OF 3 | HM1225NL | C |



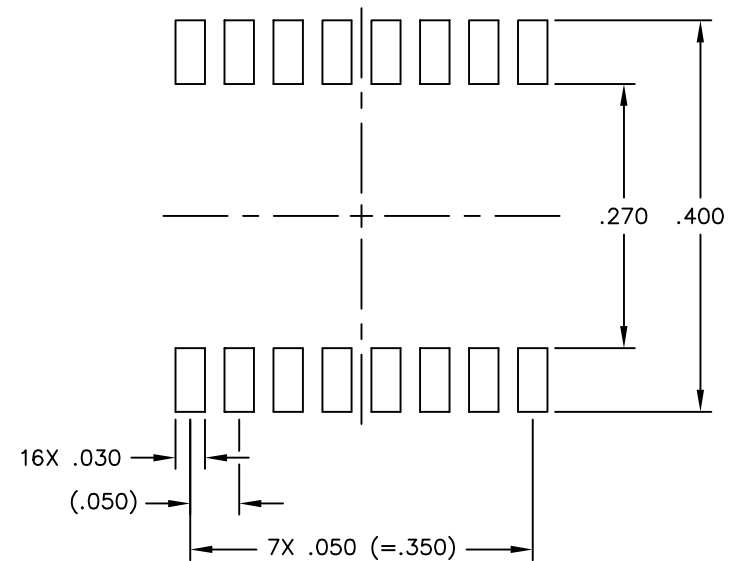
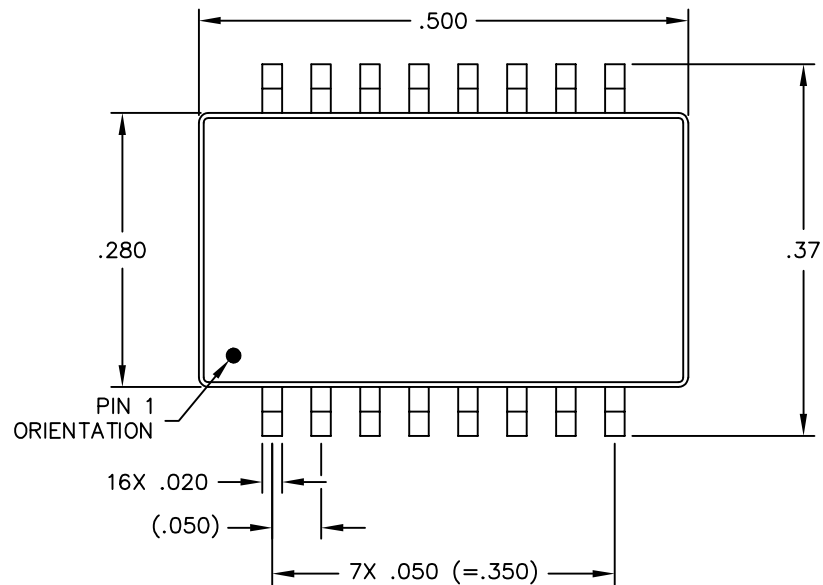
SCHEMATIC

ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
(FOR REFERENCE ONLY. USED FOR CUSTOMER INFORMATION.)

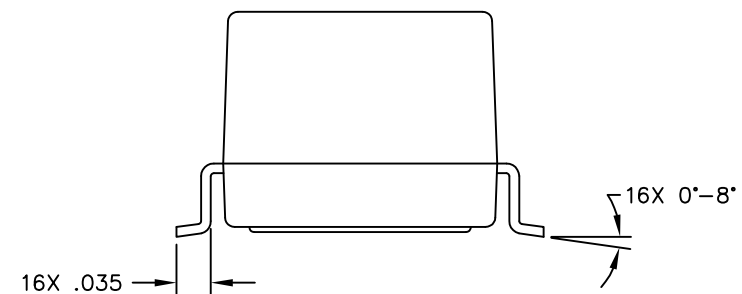
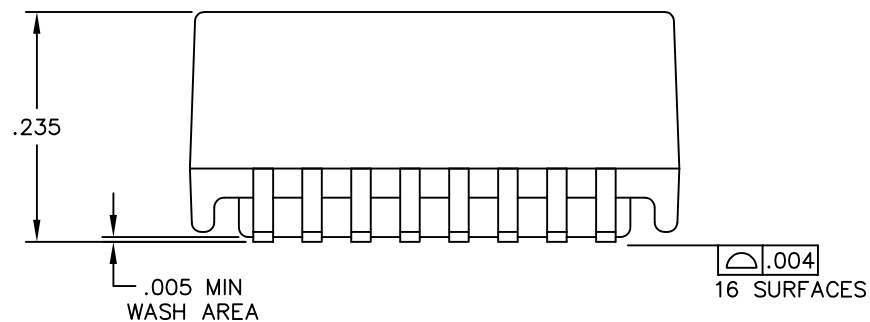
| PARAMETER | SPECIFICATIONS | | | | | | | |
|--|--------------------------|---------------|---|-------------|--------------|------------|------------|--|
| OPERATING TEMP | -40°C TO +95°C | | | | | | | |
| URNS RATIO | 1 : 1 ±3% | | | | | | | |
| POLARITY | PER SCHEMATIC | | | | | | | |
| | TRANSMIT | | | | RECEIVE | | | |
| TRUNS RATIO | 1:1(±2%) | | | | 1.5:1(±2%) | | | |
| INSERTION LOSS | 1-50 MHz | | | | 1-50 MHz | | | |
| | -1.0 dB MAX. | | | | -1.5 dB MAX. | | | |
| RETURN LOSS Z _{OUT} = 100 OHMS | 0.5~40 MHz | 60 MHz | 80 MHz | 0.5MHz | 40 MHz | 60 MHz | 80 MHz | |
| | -18 dB MIN. | -14.5 dB MIN. | -12 dB MIN. | -18 dB MIN. | -10 dB MIN. | -8 dB MIN. | -6 dB MIN. | |
| CROSSTALK | 30 MHz | | 60 MHz | | 100 MHz | | | |
| | -45 dB | | -35 dB | | -30 dB | | | |
| OCL | 200 uH MIN | | MEASURED AT 100 KHz, 100 mVRMS, AT +25 °C | | | | | |
| | 100 uH MIN | | MEASURED AT 100 KHz, 100 mVRMS, AT -40 °C | | | | | |
| | 100 uH MIN | | MEASURED AT 100 KHz, 100 mVRMS, AT +95 °C | | | | | |
| Cww | 18 pF MAX | | MEASURED AT 100 KHz, 100 mVRMS | | | | | |
| ISOLATION (INPUT - OUTPUT) | 1650 VRMS, 6 SECONDS MAX | | | | | | | |

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| MDL,SIN,100D,1:1/1.5:1,SM,TU | HM1225NL-10 | PS-2005.001-F | 2 OF 3 | HM1225NL | C |



SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:

.XX= ± 0.01
.XXX= ± 0.005

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| MDL,SIN,100D,1:1/1.5:1,SM,TU | HM1225NL-10 | PS-2005.001-F | 3 OF 3 | HM1225NL | C |

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