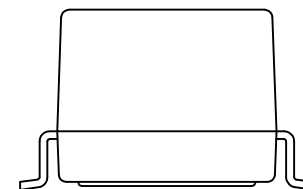
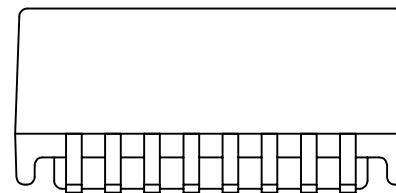
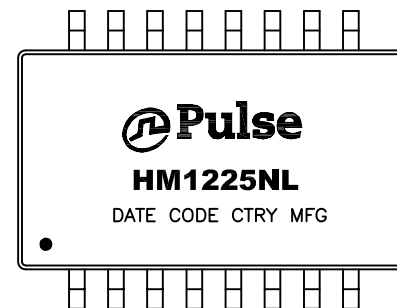


## NOTES:

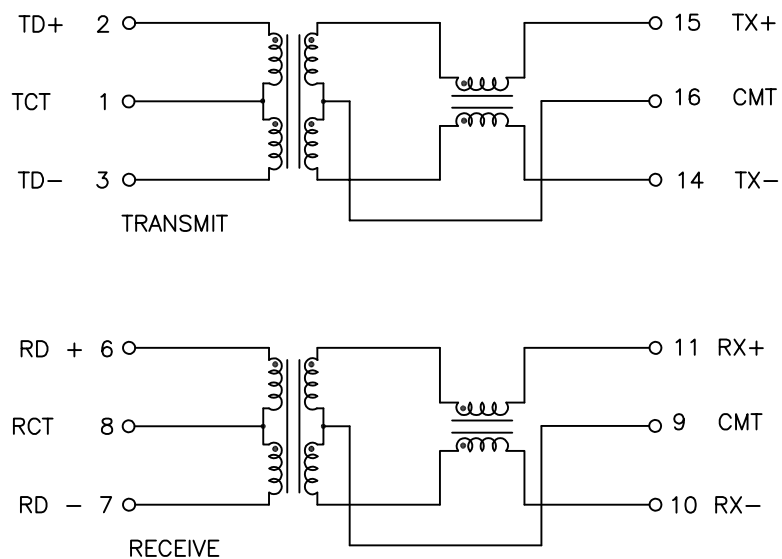
1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +125°C
3. COMPLIANCE TO J-STD:
  - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
  - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
  - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
4. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX  
TO 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



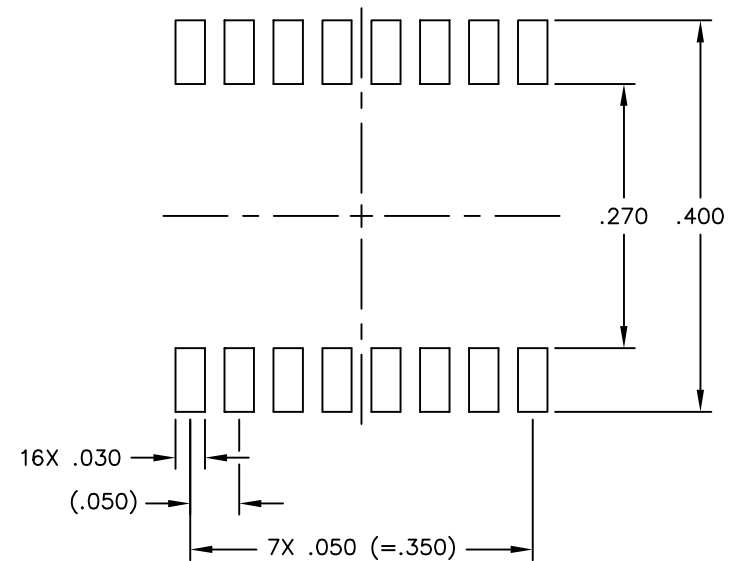
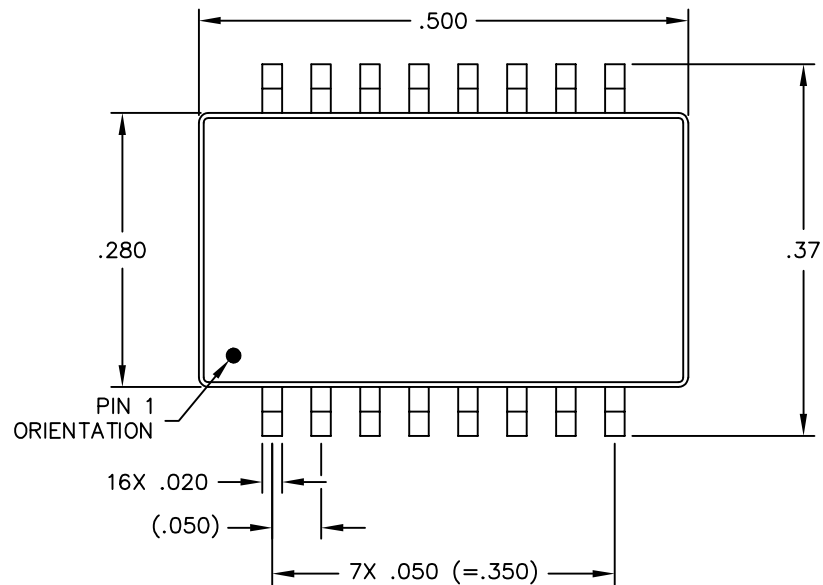
SCHEMATIC

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

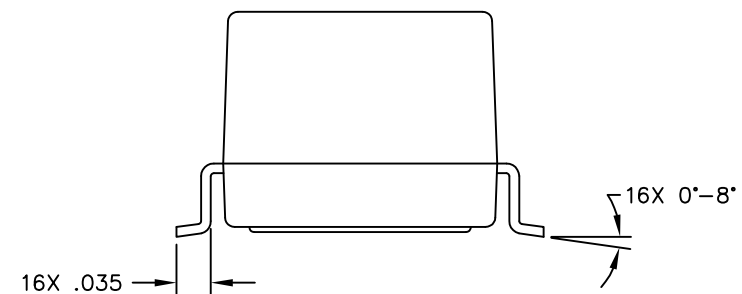
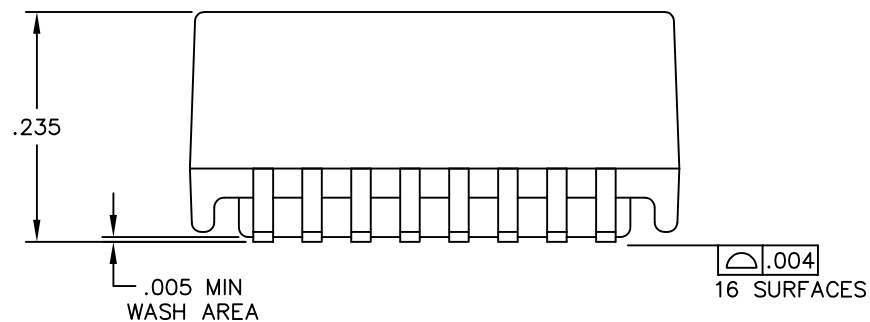
PARAMETER	SPECIFICATIONS							
OPERATING TEMP	-40°C TO +95°C							
URNS RATIO	1 : 1 ±3%							
POLARITY	PER SCHEMATIC							
	TRANSMIT				RECEIVE			
TRUNS RATIO	1:1(±2%)				1.5:1(±2%)			
INSERTION LOSS	1-50 MHz				1-50 MHz			
	-1.0 dB MAX.				-1.5 dB MAX.			
RETURN LOSS Z <sub>OUT</sub> = 100 OHMS	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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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	2 OF 3	HM1225NL	C



SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES WITH THE FOLLOWING TOLERANCES:

.XX=  $\pm 0.01$   
.XXX=  $\pm 0.005$

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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	3 OF 3	HM1225NL	C

# Mouser Electronics

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