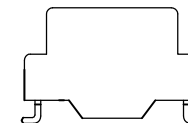
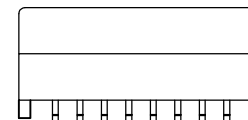
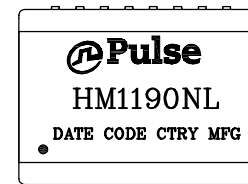


NOTES:

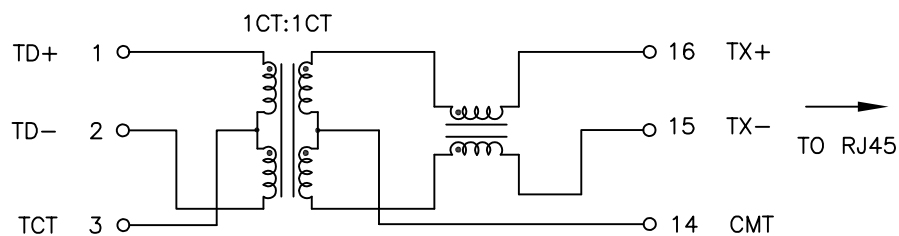
1. ROHS COMPLIANT
2. STORAGE TEMPERATURE: -50°C TO +125°C
3. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
4. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
TO THE PART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



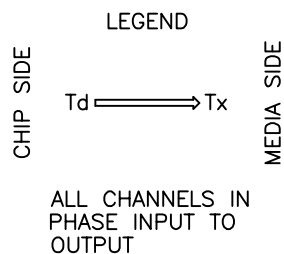
FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HM1190NL-P1	PS-2005.002-D	1 OF 3	HM1190NL	D



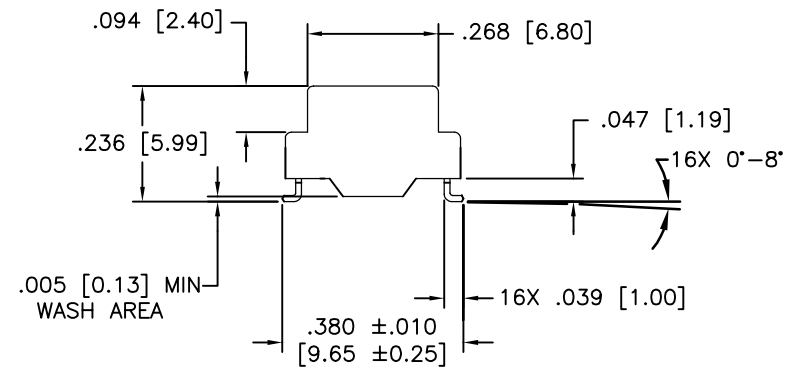
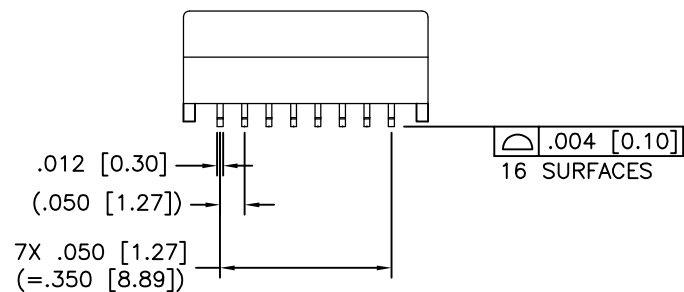
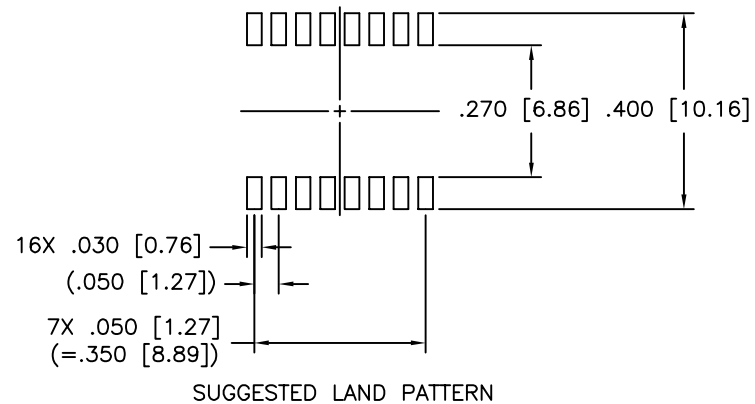
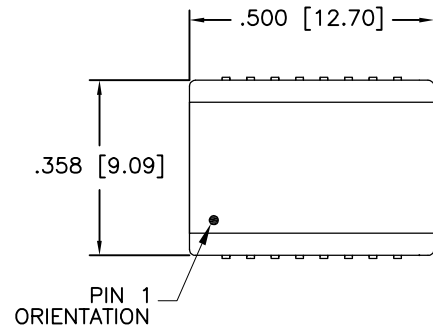
SCHEMATIC



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

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C TO +125°C	
URNS RATIO	1 : 1 $\pm$ 2%	
POLARITY	PER SCHEMATIC	
INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+125°C)	350 μ H 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	$-16 + 20\text{LOG}_{10}(f/30 \text{ MHz})$ dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200 MHz	
	$-50 + 17\text{LOG}_{10}(f/5 \text{ MHz})$ dB MIN	
INPUT - OUTPUT ISOLATION	2500 VRMS FOR 60 SECONDS	

NOTE: f IS FREQUENCY IN MHz.



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

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PRODUCT DESCRIPTION
MDL,SIN,100D,1:1,SM,TU

TLA DRAWING
HM1190NL-P1

PS DRAWING
PS-2005.002-D

SHEET
3 OF 3

PART NO.
HM1190NL

DATASHEET REV.
D