


NOTES: UNLESS OTHERWISE SPECIFIED

1.

NOTICE:	THIS IS A RoHS COMPLIANT COMPONENT/PRODUCT. ALL ENGINEERING CHANGES MUST HAVE PRIOR APPROVAL BY THE DESIGN CENTER.
RoHS-6	
	

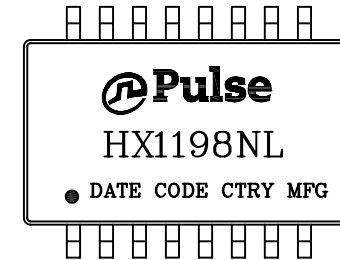
2. PLASTIC: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. SOLDERABILITY: CONFORMS TO ANSI/J-STD-002 245°C REFLOW PEAK TEMPERATURE PER IPC/EIA J-STD-003A
4. OPERATING TEMPERATURE: -40°C TO +85°C
5. STORAGE TEMPERATURE: -50°C TO +125°C
6. JEDEC MOISTURE: LEVEL 1.
7. DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX= ±0.01 [±0.25]
.XXX= ±0.005 [±0.13]
8. NOT FOR SALE IN U.S.

ELECTRICAL CHARACTERISTICS:

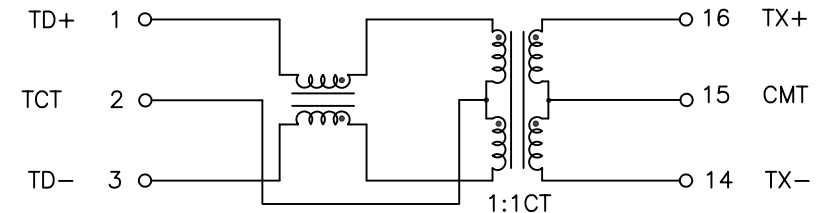
ELECTRICAL: @ +25°C

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C ~ +85°C	
URNS RATIO	1 : 1 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f ^{1.4} dB MAX
RETURN LOSS (Z OUT = 100 OHM±15%)	5MHz	30-80MHz
	-18 dB MIN	-16 + 26LOG ₁₀ (f/30MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C ~ +85°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS AND WITH 8 mA DC BIAS)
CROSSTALK (TX-RX)	1 MHz	5-100MHz
	-62 dB MIN	-45 + 21LOG ₁₀ (f/30MHz) dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200MHz	
	-50+17LOG ₁₀ (f/5MHz) dB MIN	
ISOLATION (INPUT - OUTPUT)	1500 VRMS MIN @ 60 SECONDS	

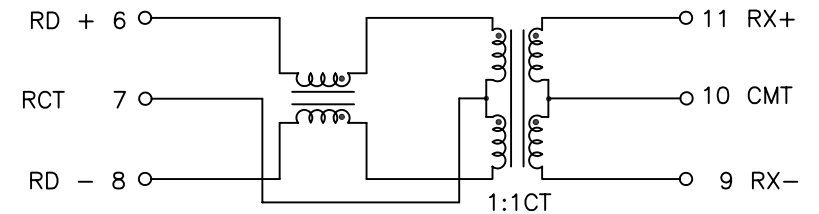
NOTE: f IS FREQUENCY IN MHZ.



TRANSMIT



RECEIVE



SCHEMATIC

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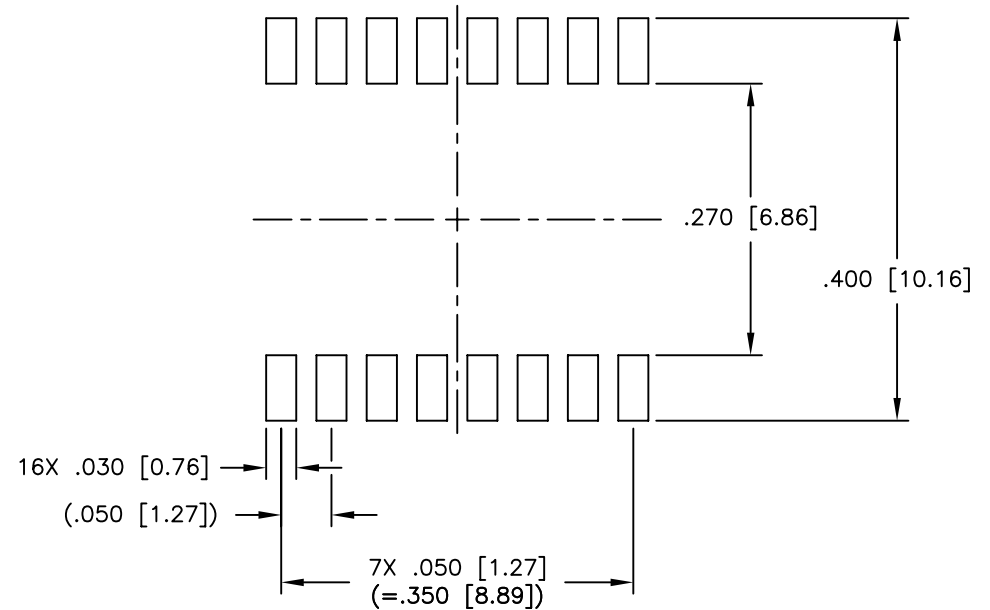
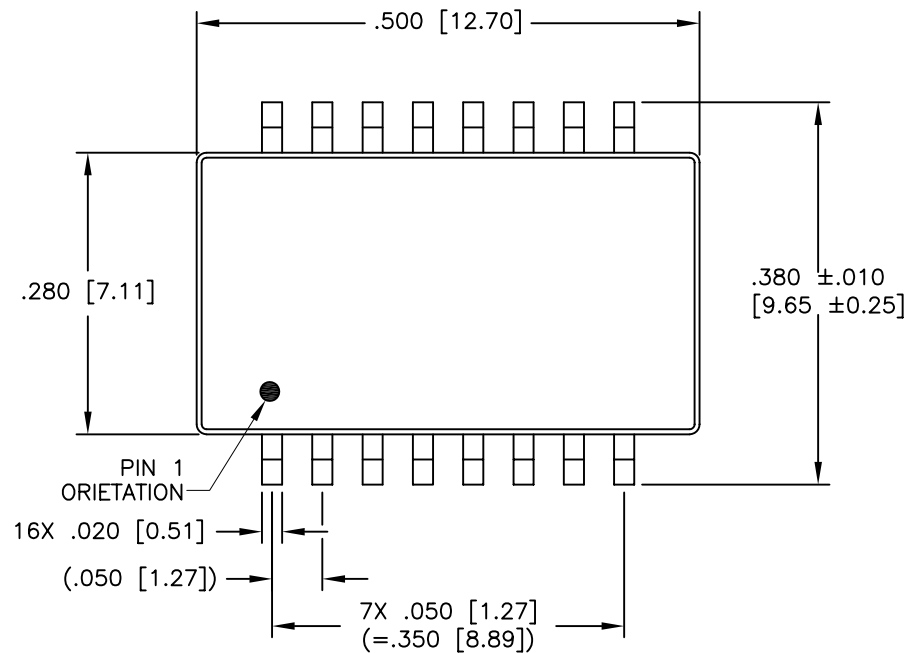
PRODUCT DESCRIPTION
MDL,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.001-D

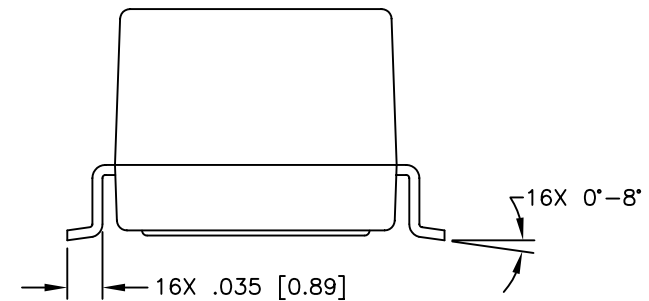
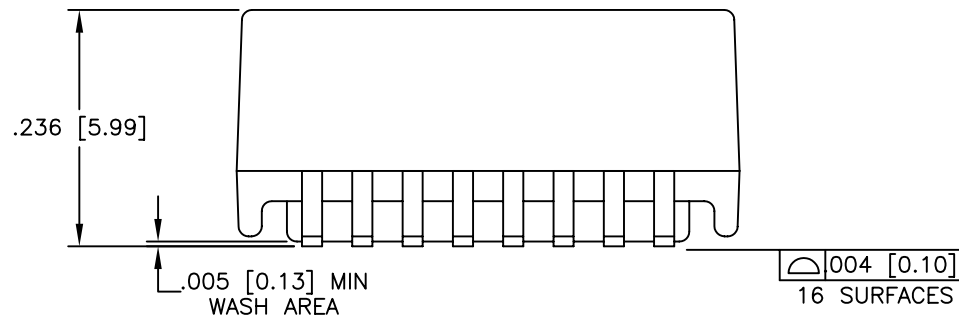
SHEET:
1

DWG. NO./ PART NO.
HX1198NL

REV.
M12



SUGGESTED LAND PATTERN



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PRODUCT DESCRIPTION
MDL,SIN,100D,1:1,SMT

PS DRAWING
PS-2005.001-D

SHEET:
2

DWG. NO./ PART NO.
HX1198NL

REV.
M12

Mouser Electronics

Authorized Distributor

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