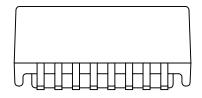


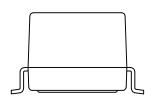


NOTES:

- ROHS COMPLIANT
- HEADER: THERMOSET PLASTIC MATERIAL 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
- TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX
 TO THE PART NUMBER(i.e HX1198NL BECOMES HX1198NLT).







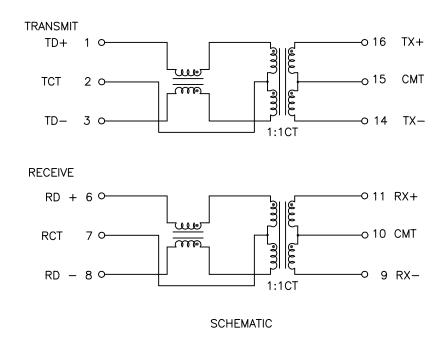
FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SMT	HX1198NL-12	PS-2005.001-F	1 OF 3	HX1198NL	A







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

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

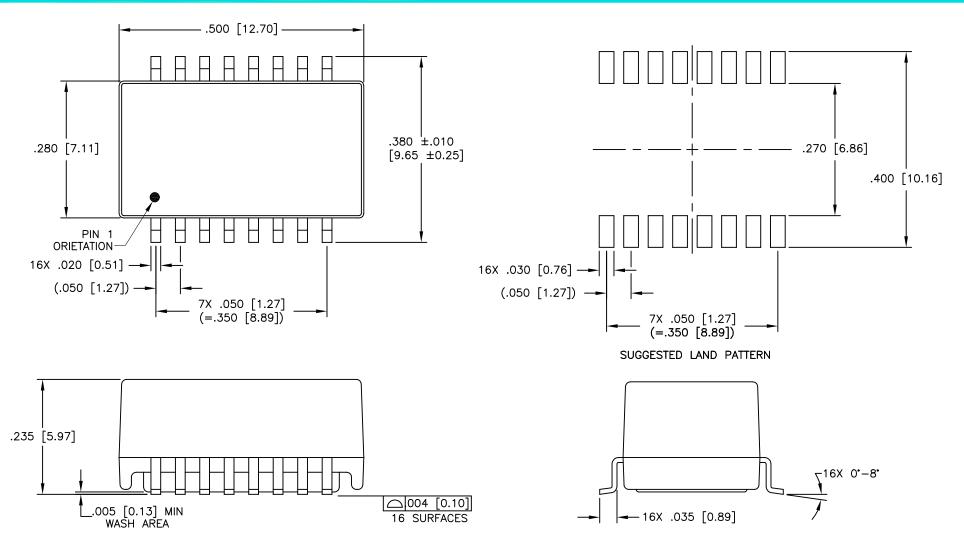
NOTE: f IS FREQUENCY IN MHz.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SMT	HX1198NL-12	PS-2005.001-F	2 OF 3	HX1198NL	A







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

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SMT	HX1198NL-12	PS-2005.001-F	3 OF 3	HX1198NL	A