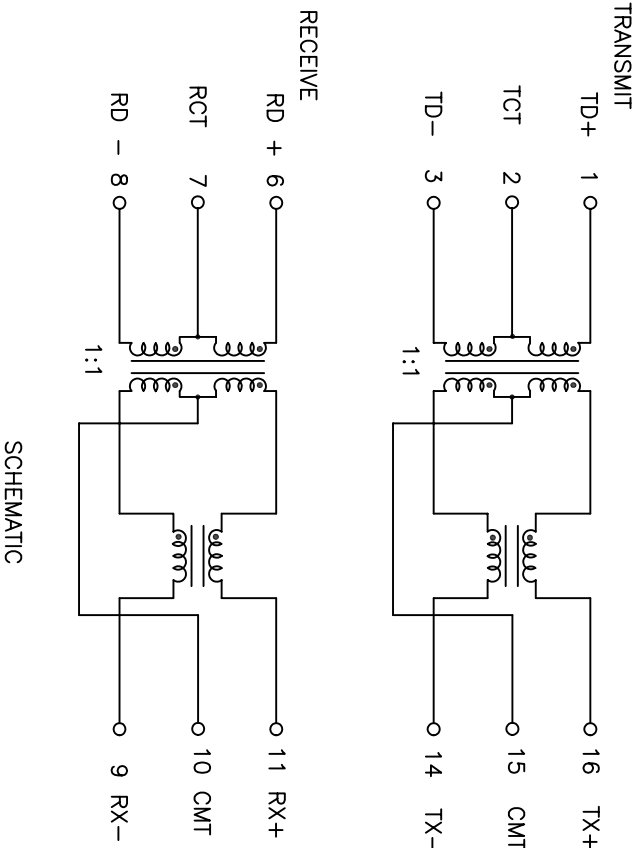


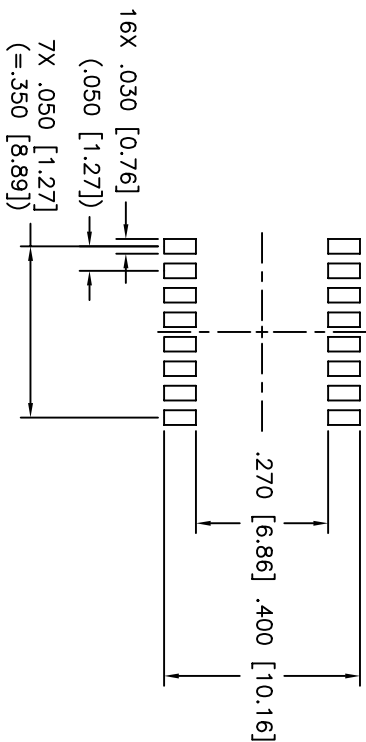
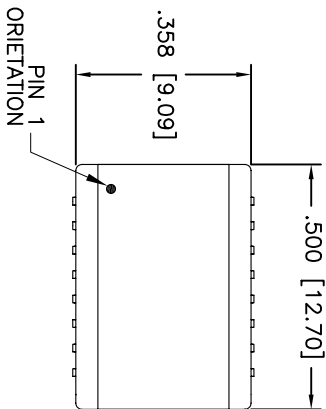
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS
OPERATING TEMP	-40°C ~ +85°C
TURNS RATIO	1 : 1 ±2%
POLARITY	PER SCHEMATIC
INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+85°C)	350 uH 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	5 MHz 30-80 MHz
Z out = 100 OHMS	-18 dB MIN -16 + 20LOG ₁₀ (f/30 MHz) dB MIN
CROSSTALK (TX-RX)	1 MHz 5-100 MHz -62 dB MIN -45 + 21LOG ₁₀ (f/30 MHz) dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200 MHz -50 + 17LOG ₁₀ (f/5 MHz) dB MIN
INPUT - OUTPUT ISOLATION	1500 VRMS FOR 60 SECONDS

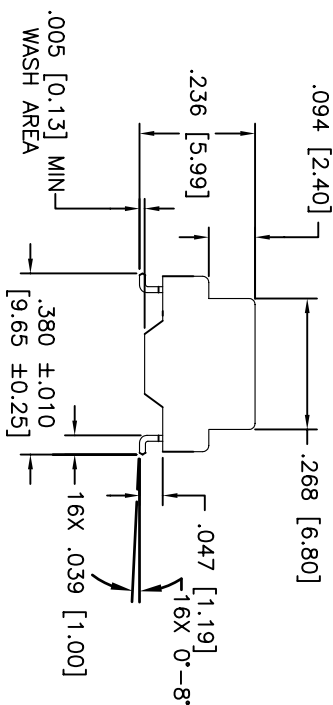
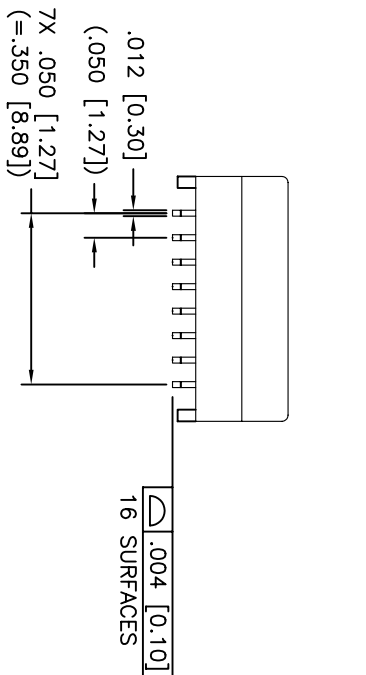


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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATSHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188FNL-13	PS-2005.002-D	2 OF 3	HX1188FNL	B



SUGGESTED LAND PATTERN



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

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188FNL-13	PS-2005.002-D	3 OF 3	HX1188FNL	B