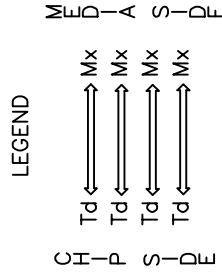


SCHEMATIC

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

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	0°C – 70 °C		
TURNS RATIO	1.00 ± 2%		
POLARITY	PER SCHEMATIC		
OCL, TRANSMIT CHANNEL	350 µH MIN. WITH 8 mA DC BIAS, -0 TO 70 °C		
INSERTION LOSS	100 KHz	1-100 MHz	125 MHz
	-1.2 dB MAX	-1.0 dB MAX	-3.0 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1-40 MHz	40-100 MHz	
	-16 dB MIN	-10+20*LOG ₁₀ (f/80) dB MIN	
CROSSTALK (TX-RX)	1 MHz	30-100 MHz	
	-50 dB MIN	-55+24*LOG ₁₀ (f/10) dB MIN	
DIFFERENTIAL TO COMMON MODE REJECTION	2 MHz	30-100 MHz	
	-50 dB MIN	-43+22*LOG ₁₀ (f/30) dB MIN	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN		

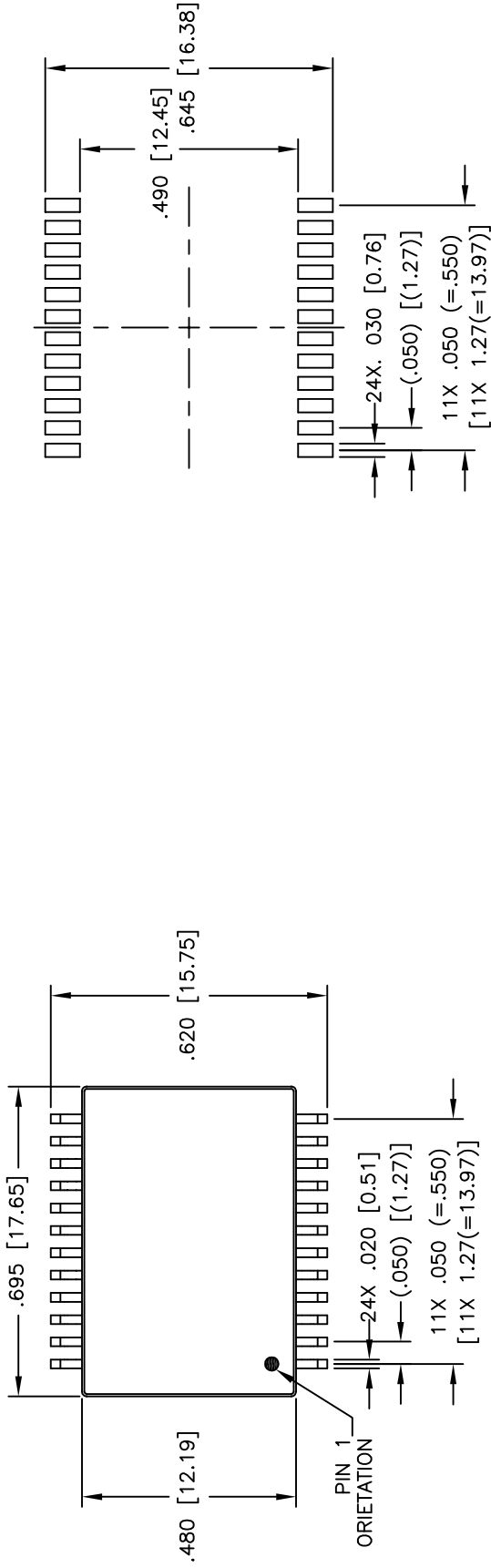
NOTE: f IS FREQUENCY IN MHZ.



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5015NL-16	PS-2054.001-B	2 OF 3	H5015NL	A



SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.

.XX = ±.02 [±0.5]

.XXX = ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5015NL-16	PS-2054.001-B	3 OF 3	H5015NL	A