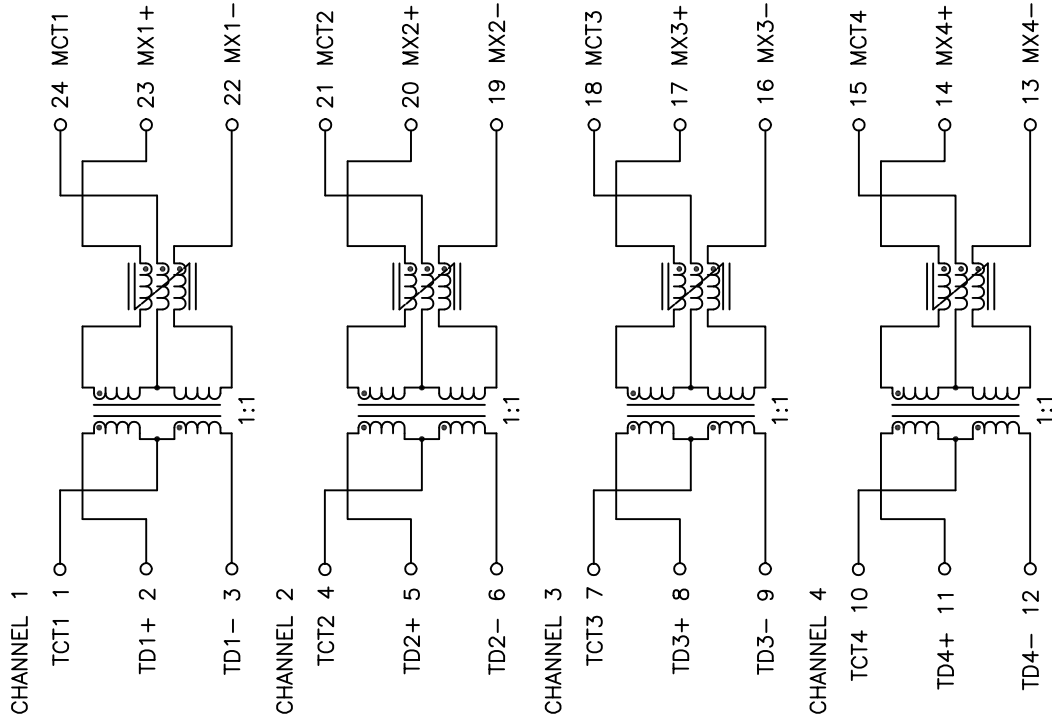
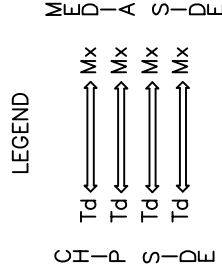




ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
OCL, TRANSMIT CHANNEL	350 uH MIN. WITH 8mA DC BIAS, –0 TO 70 °C	
	100 KHz	1–100 MHz
INSERTION LOSS	–1.2 dB MAX	–1.0 dB MAX
	1–40 MHz	40–100 MHz
RETURN LOSS (Z OUT = 100 OHM ±15%)	–16 dB MIN (ZOUT=100 OHMS)	–18 dB MIN (–10+20*LOG ₁₀ (f/80) dB MIN
	1 MHz	30–100 MHz
CROSSTALK (TX–RX)	–50 dB MIN	–55+24*LOG ₁₀ (f/10) dB MIN
	2 MHz	30–100 MHz
DIFFERENTIAL TO COMMON MODE REJECTION	–50 dB MIN	–43+22*LOG ₁₀ (f/30) dB MIN
		1500 VRMS @ 60 SECONDS

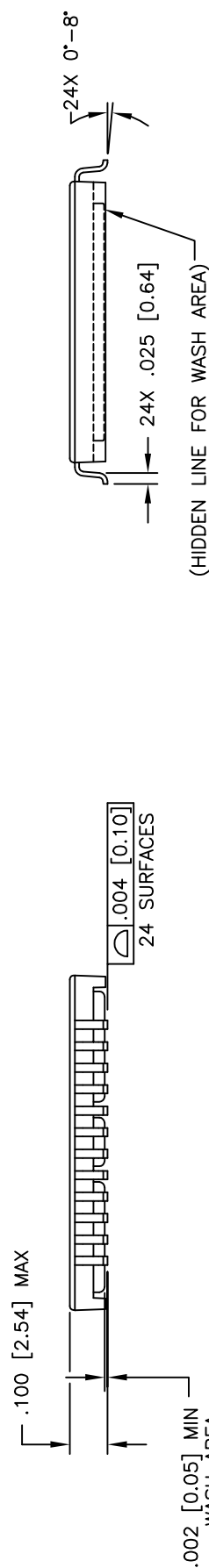
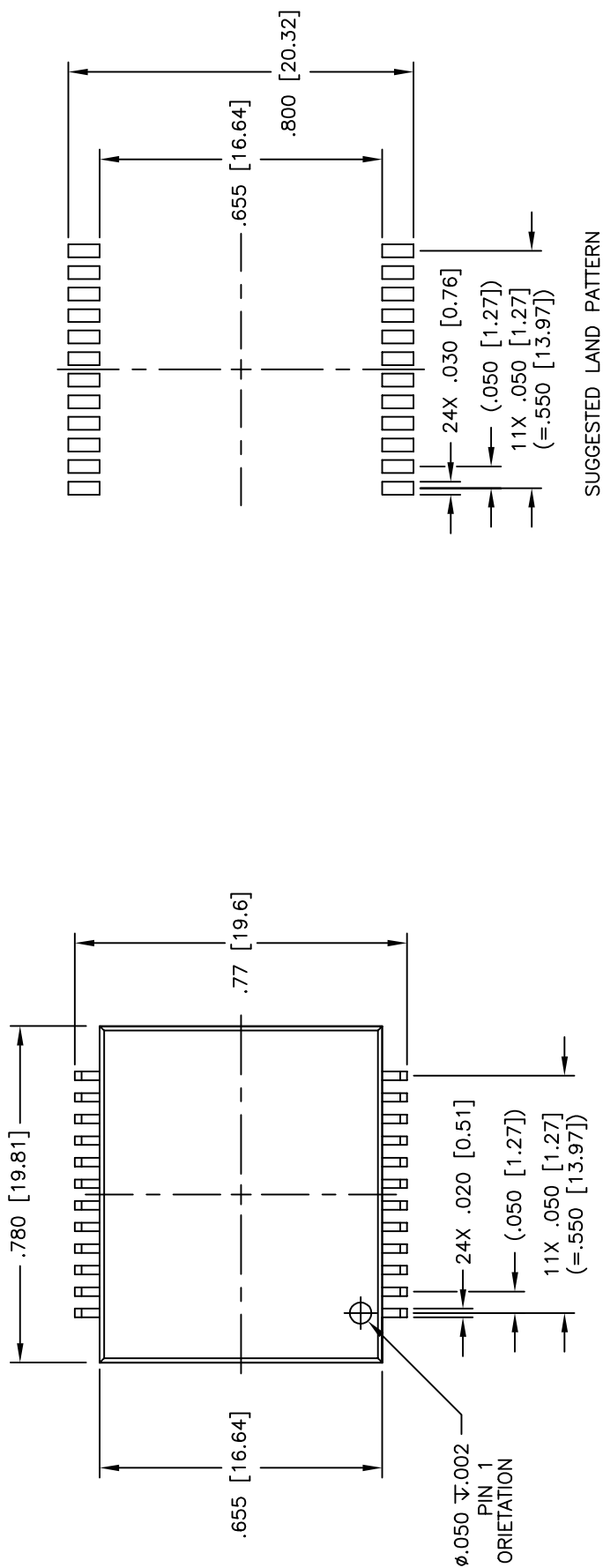
NOTE: f IS FREQUENCY IN MHZ.



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5019NL–16	PS–2051.001–K	2 OF 3	H5019NL	B

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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,1GD,1:1,SM,TU	H5019NL - 16	PS-2051.001-K	3 OF 3	H5019NL	B