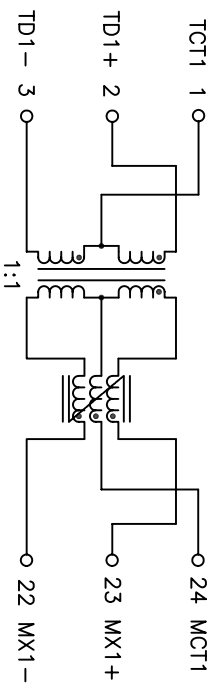
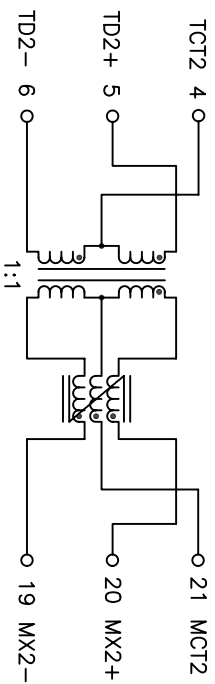


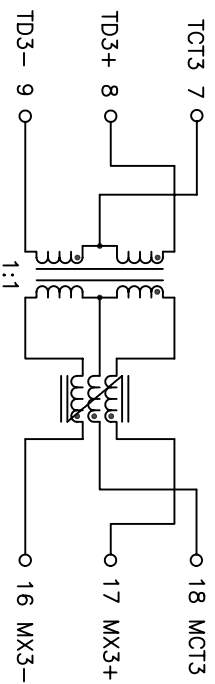
CHANNEL 1



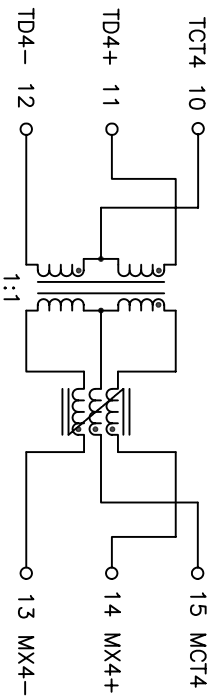
CHANNEL 2



CHANNEL 3



CHANNEL 4



SCHMATIC

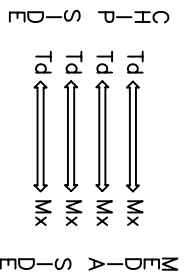
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C - 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
OC _L TRANSMIT CHANNEL	350 uH MIN. WITH 8mA 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	1-40 MHZ	
	(Z OUT = 100 OHM ±15%)	-16 DB MIN -18 DB MIN -10+20*LOG ₁₀ (f/80) DB MIN (ZOUT=100 OHMS)
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 @ 60 SECONDS	

NOTE: f IS FREQUENCY IN MHZ.

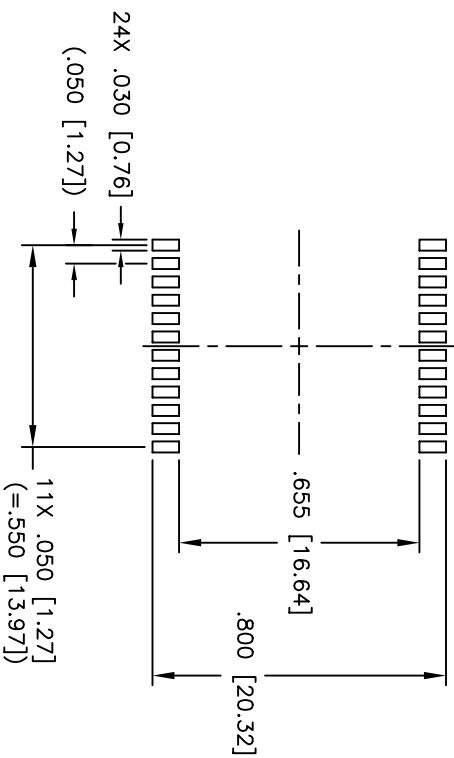
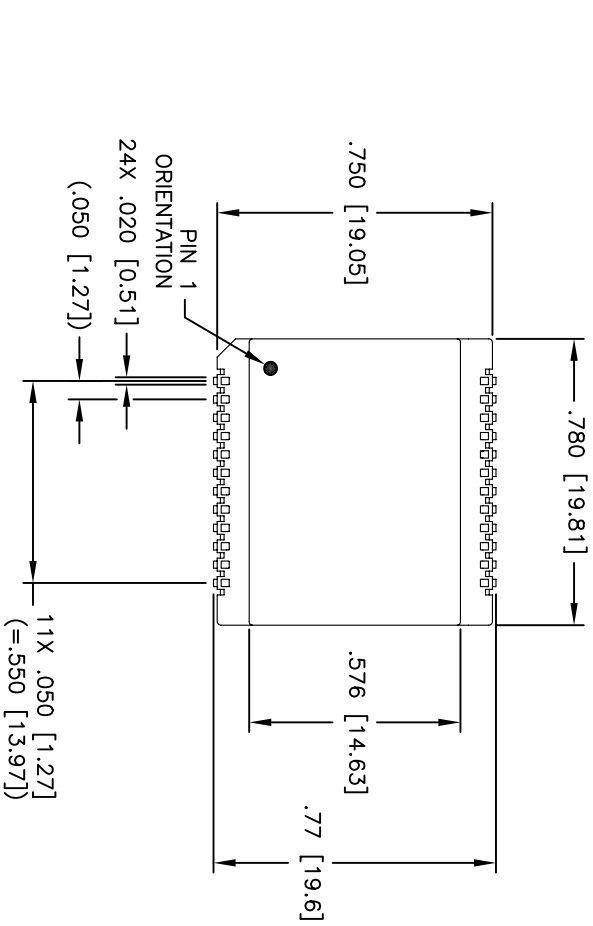
LEGEND



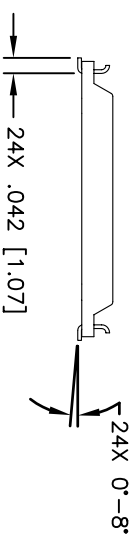
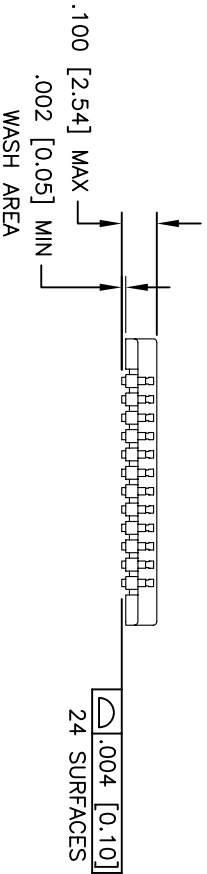
ALL CHANNELS ARE IN PHASE BETWEEN INPUT AND OUTPUT

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5019EFNL-10	PS-2761.001-A	2 OF 3	H5019EFNL	A



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,1GD,1:1,SM,TU	H5019EFNL-10	PS-2761.001-A	3 OF 3	H5019EFNL	A

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