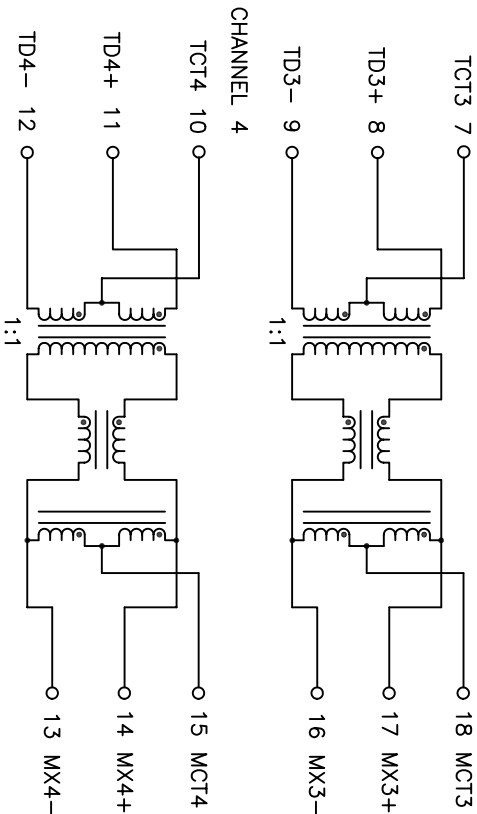


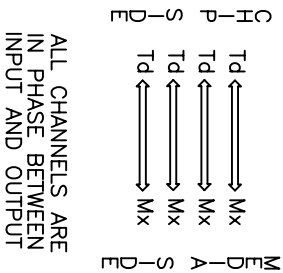
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS		
OPERATING TEMPERATURE	-40°C - +85 °C		
TURNS RATIO	1 : 1 ±2%		
POLARITY	PER SCHEMATIC		
OCL, TRANSMIT CHANNEL	325 uH MIN. WITH 8mA DC BIAS, -40 TO 85 °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.

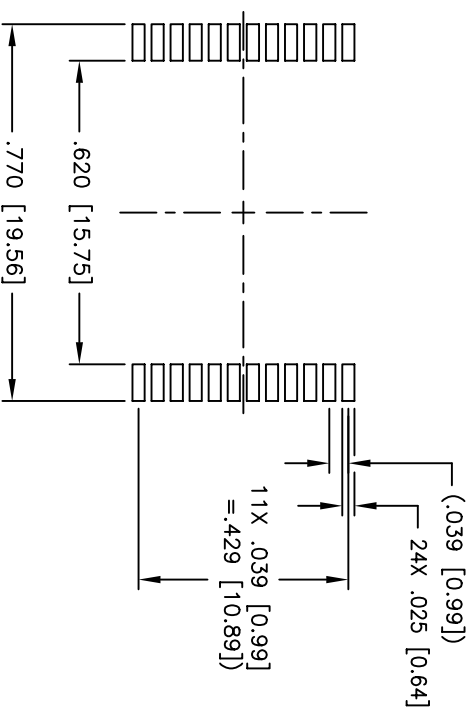


SCHEMATIC

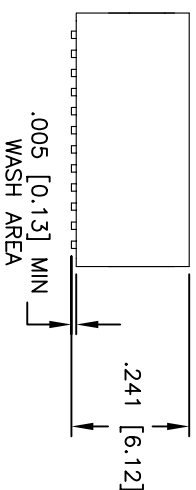


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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	HX5008FNL-10	PS-2745.001-A	2 OF 3	HX5008FNL	A



SUGGESTED LAND PATTERN



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MDL,SIN,1GD,1:1,SM,TU	HX5008FNL-10	PS-2745.001-A	3 OF 3	HX5008FNL	A