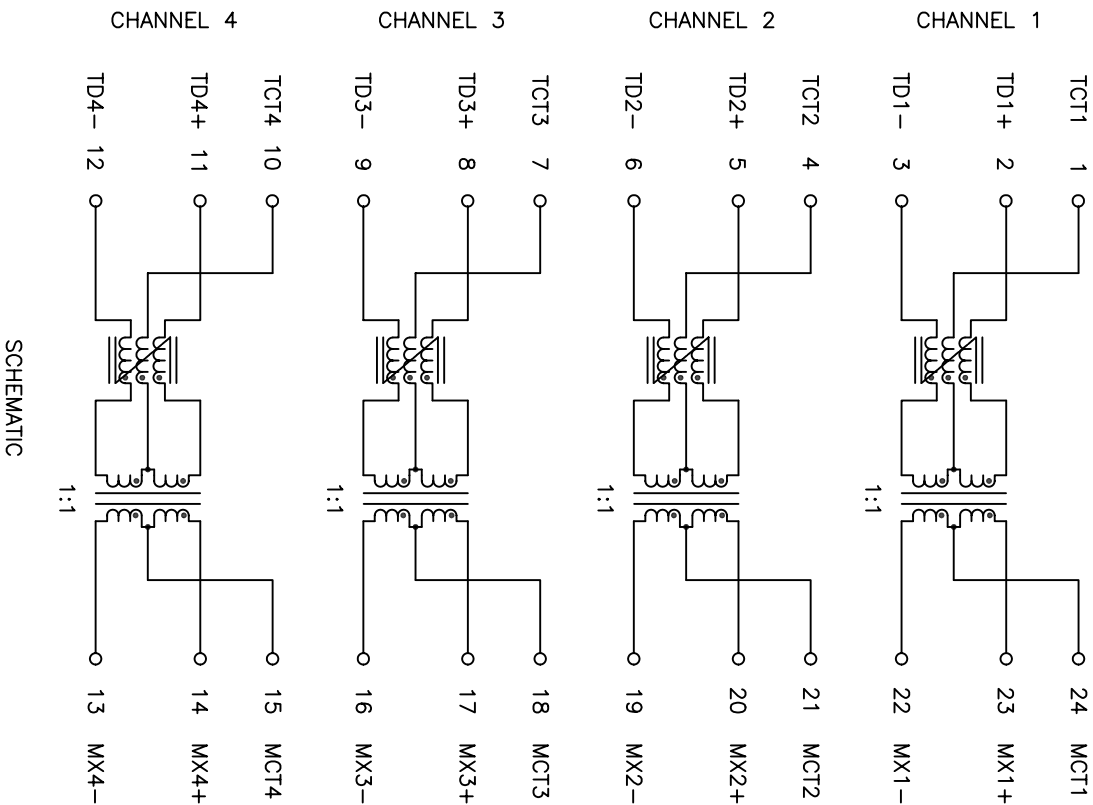




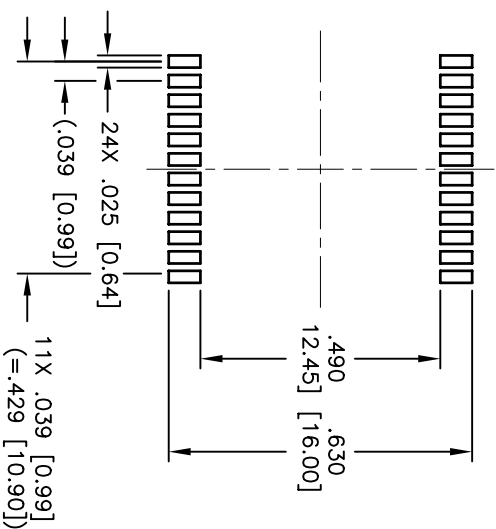
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0°C TO 70°C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21)	100 KHz	1-400 MHz		
	-3.0 dB MAX	-1.0 dB MAX (-.6 dB TYP)		
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz	2 MHz-100 MHz	100 MHz-500 MHz	
	-23 dB MIN	-25 dB MIN	-12+21.6*L _{OC} ₀ (f/400) dB MIN	
LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)	1 MHz - 40 MHz	40 MHz - 400 MHz	400 MHz - 500 MHz	
	-23 dB MIN	-23+10*L _{OC} ₀ (f/40) dB MIN	-13+30*L _{OC} ₀ (f/400) dB MIN	
INDUCTANCE (OCL)	120 uH MIN @ 100 KHz, 100 mV			
CROSSTALK, ADJACENT CHANNELS (SDD21 - ADJ.)	1-100 MHz	100-500 MHz		
	-40 dB MIN	-30 dB MIN		
COMMON MODE REJECTION RATIO (SCC21)	1 MHz-100 MHz	100-300 MHz	300-500 MHz	
	-37 dB MIN	-30 dB MIN	-25 dB MIN	
COMM. TO DIFF. REJECTION RATIO (SDC12)	1 MHz-100 MHz	100-300 MHz	300-500 MHz	
	-40 dB MIN	-30 dB MIN	-25 dB MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,10G,1:1,GEN2,SM,TU	H7029FNL-10	PS-2578,002-B	2 OF 3	H7029FNL	A



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