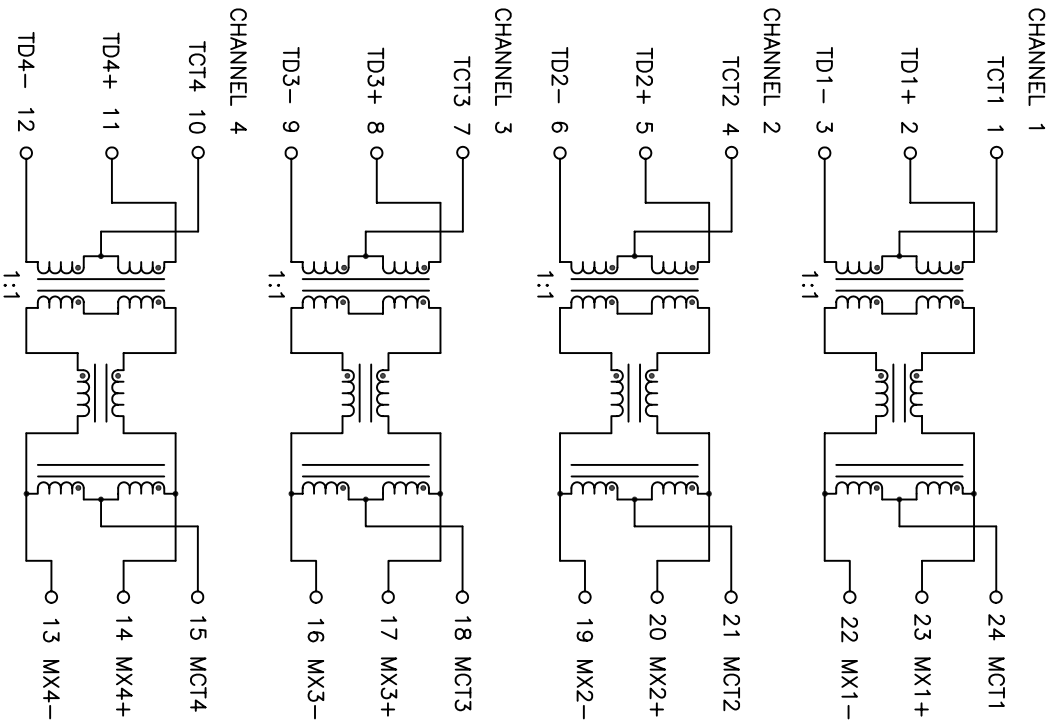


ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

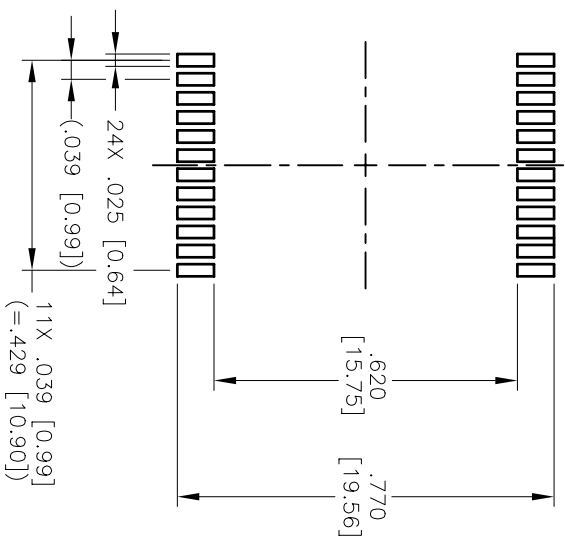
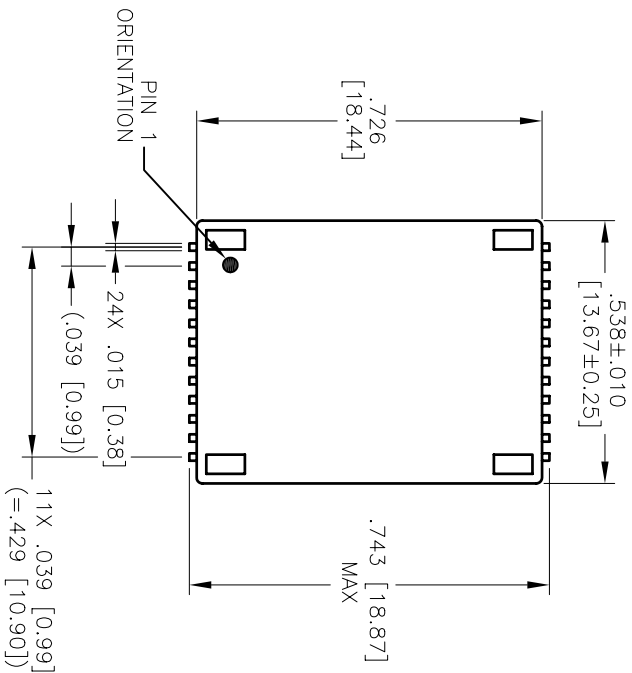
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70°C	
TURN S RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHZ	1 – 125 MHZ
RETURN LOSS (Z OUT = 100 OHM ±15%)	-1.2 DB MAX	-0.2-0.002*f ^{1.4} DB MAX
	.1-40 MHZ	40-100 MHZ
	-16 DB MIN	-10+20*LOG ₁₀ (f/80 MHZ) DB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0-70°C)	350 uH MIN (MEASURED AT 100 KHZ, 100 mVRMS) (WITH 8 mA DC BIAS)	
CROSSTALK, ADJACENT CHANNELS	1 MHZ	10-100 MHZ
	-50 DB MIN	-55+22*LOG ₁₀ (f/10) DB MIN
COMMON MODE REJECTION RATIO	2 MHZ	30-200 MHZ
	-50 DB MIN	-15+20*LOG ₁₀ (f/200) DB MIN
DC RESISTANCE, 1/2 WINDING	.65 OHMS MAX	
DC RESISTANCE BALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT – OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	

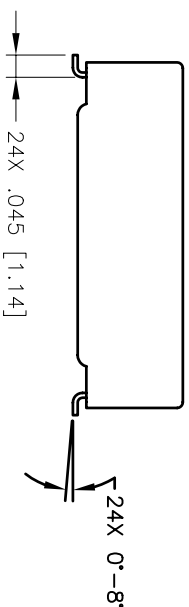
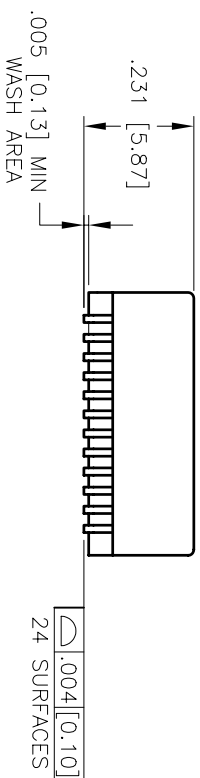
NOTE: f IS FREQUENCY IN MHZ.

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATSHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5008FNL-10	PS-2748,001-D	2 OF 3	H5008FNL	A



SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX = $\pm .01$ [± 0.25]
.XXX = $\pm .005$ [± 0.13]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM,TU	H5008FNL-10	PS-2748.001-D	3 OF 3	H5008FNL	A