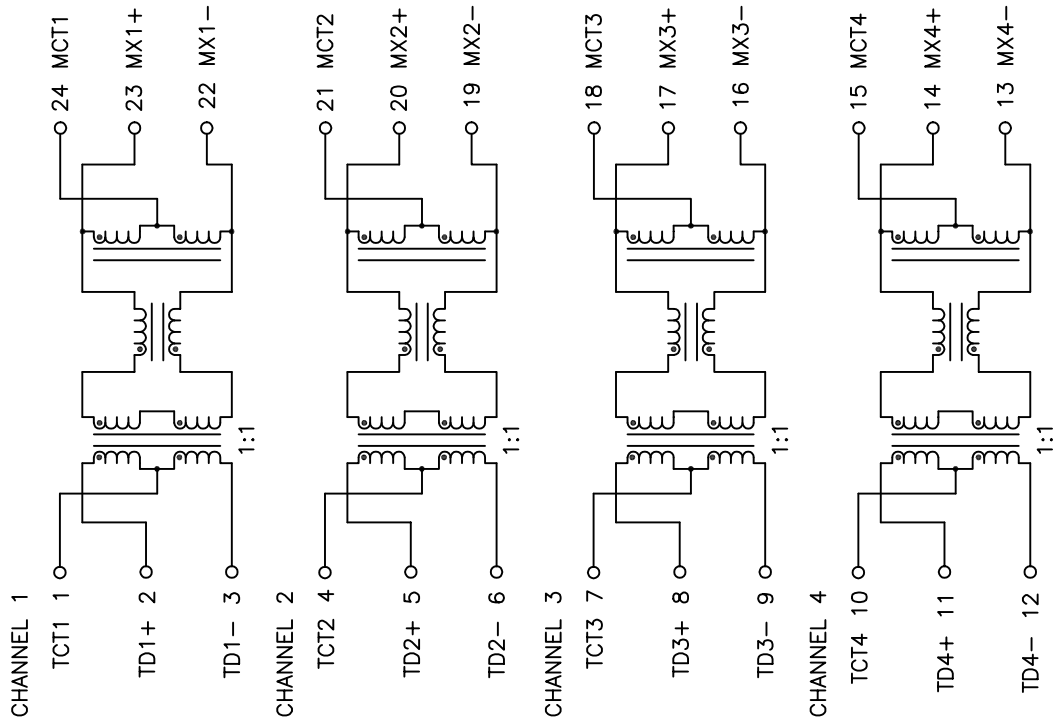




SCHEMATIC

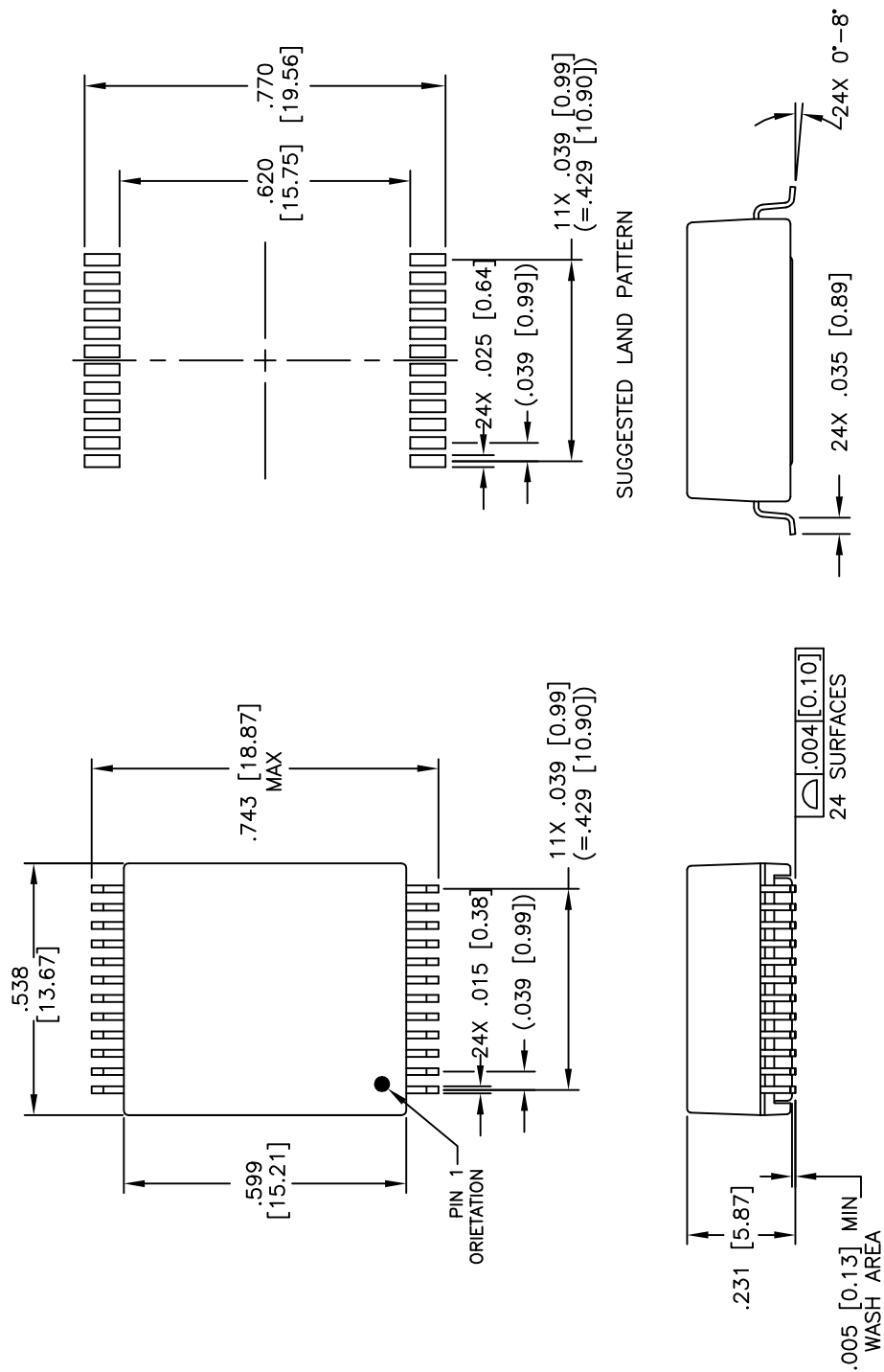
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C – 70°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1–125 MHz
	–1.2 dB MAX	–0.2–0.002*f ^{1.4} dB MAX
	.1–40 MHz	40–100 MHz
RETURN LOSS (Z OUT = 100 OHM ±15%)	–16 dB MIN	–10+20*LOG ₁₀ (f/80 MHz) dB MIN
	350 uH MIN	(MEASURED AT 100 KHz, 100 mVRMS) (MEDIA SIDE, 0–70°C) WITH 8 mA DC BIAS
CROSSTALK, ADJACENT CHANNELS	1 MHz	10–100 MHz
	–50 dB MIN	–55+22*LOG ₁₀ (f/10) dB MIN
	2 MHz	30–200 MHz
COMMON MODE REJECTION RATIO	–50 dB MIN	–15+20*LOG ₁₀ (f/200) dB MIN
	.65 OHMS MAX	
DC RESISTANCE, 1/2 WINDING	±0.065 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.	DATASHEET REV.
MDL,SIN,1GD,1:1,SM	H5008NL–17	PS–2268.001–C	2 OF 3	H5008NL	A



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.

$$XX = \pm 0.2 \quad [\pm 0.5]$$
$$.XXX = \pm 0.10 [\pm 0.25]$$

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MDL,SIN,1GD,1:1,SM	H5008NL-17	PS-2268.001-C	3 OF 3	H5008NL	A