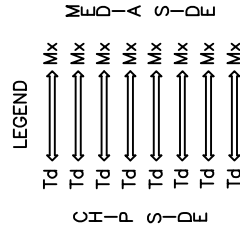


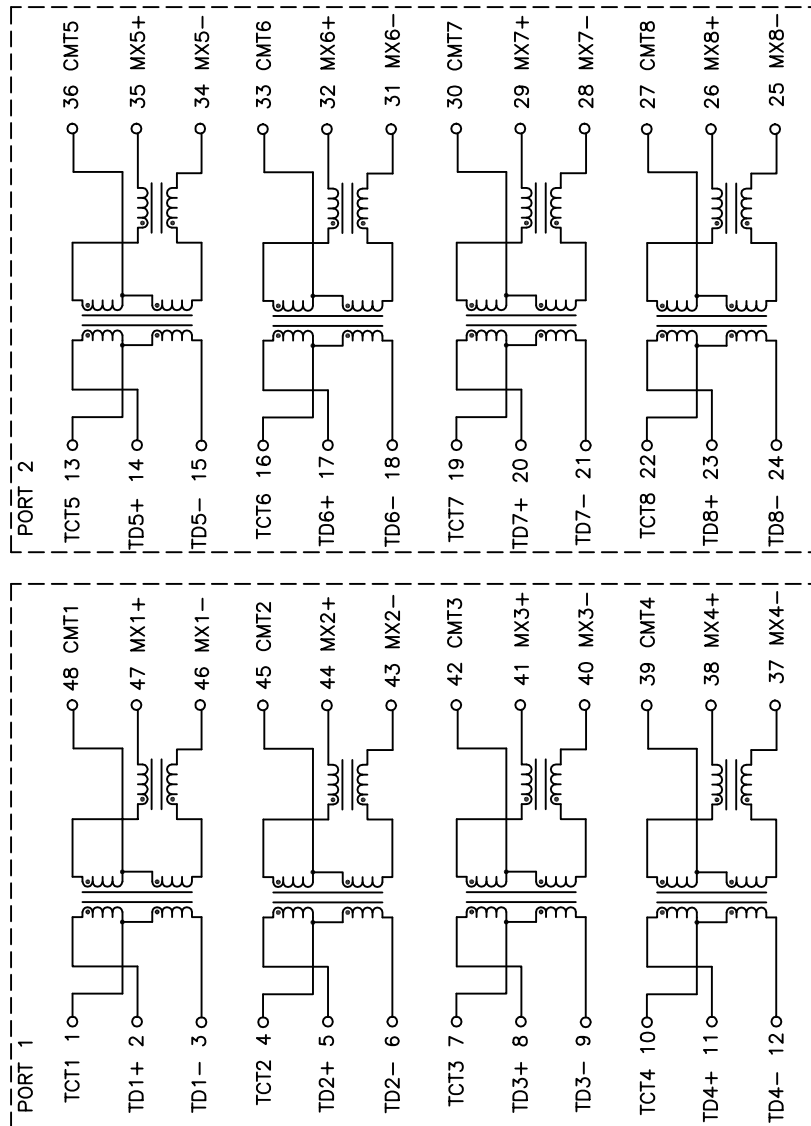
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS
OPERATING TEMP	-40°C ~ +85°C
URNS RATIO	1.0 ± 2%
POLARITY	PER SCHEMATIC
INSERTION LOSS	100 KHz 1-125 MHz -1.2 dB MAX
RETURN LOSS	.1-40 MHz 40-100 MHz
(Z OUT = 100 OHM ±15%)	-16 dB MIN -10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+85°C)	350 uH MIN (MEASURED AT 100 KHz, 100 mVRMS AND 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 IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS

NOTE: f IS FREQUENCY IN MHz.



ALL CHANNELS ARE
IN PHASE BETWEEN
INPUT AND OUTPUT

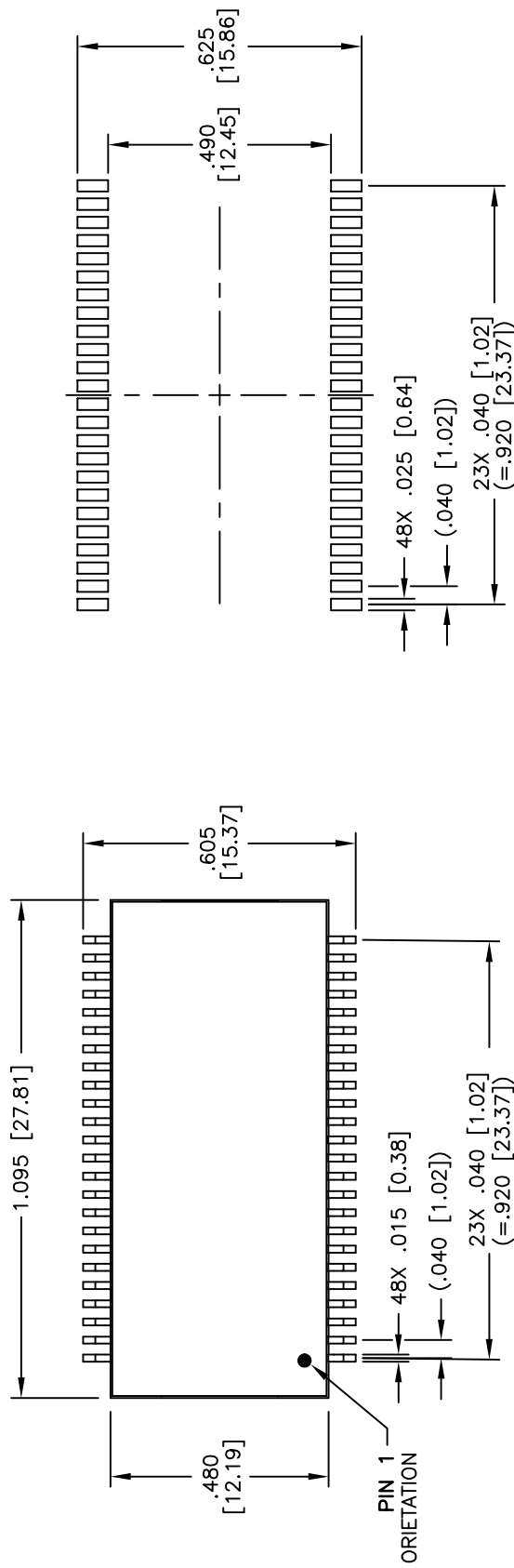


SCHEMATIC

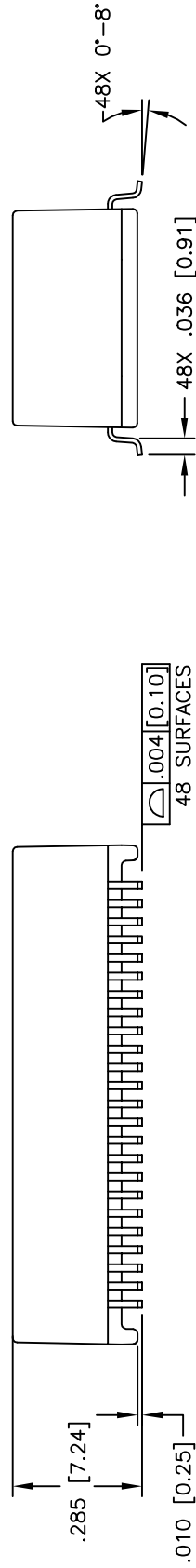
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,1GD,1:1,SM,TU	HX5014NL-12	PS-2007.001-C	2 OF 3	HX5014NL	A

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SUGGESTED LAND PATTERN



DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.
.XX = ±.02 [±0.5]
.XXX = ±.010 [±0.25]

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,1GD,1:1,SM,TU	HX5014NL-12	PS-2007.001-C	3 OF 3	HX5014NL	A

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