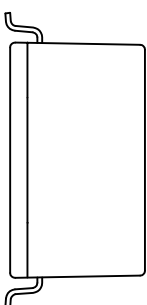
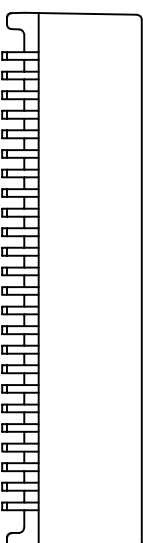
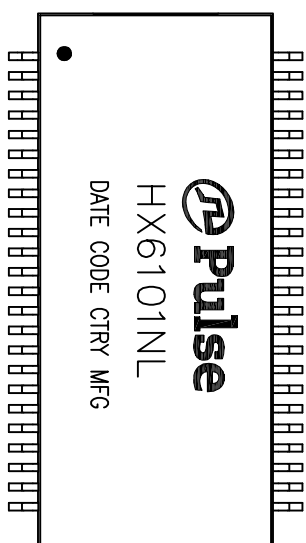


NOTES:

1. ROHS COMPLIANT
2. HEADER: THERMOSET PLASTIC MATERIAL WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.
3. STORAGE TEMPERATURE: -50°C TO +125°C
4. COMPLIANCE TO J-STD:
 - A. J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
 - B. J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE
 - C. J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER
5. TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX TO THE PART NUMBER (i.e HX6101NL BECOMES HX6101NLT).



FINAL OUTLINE

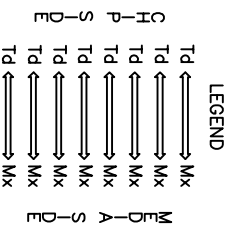
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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,1GPP,1:1,SM,TU	HX6101NL-11	PS-2007.001-C	1 OF 3	HX6101NL	B

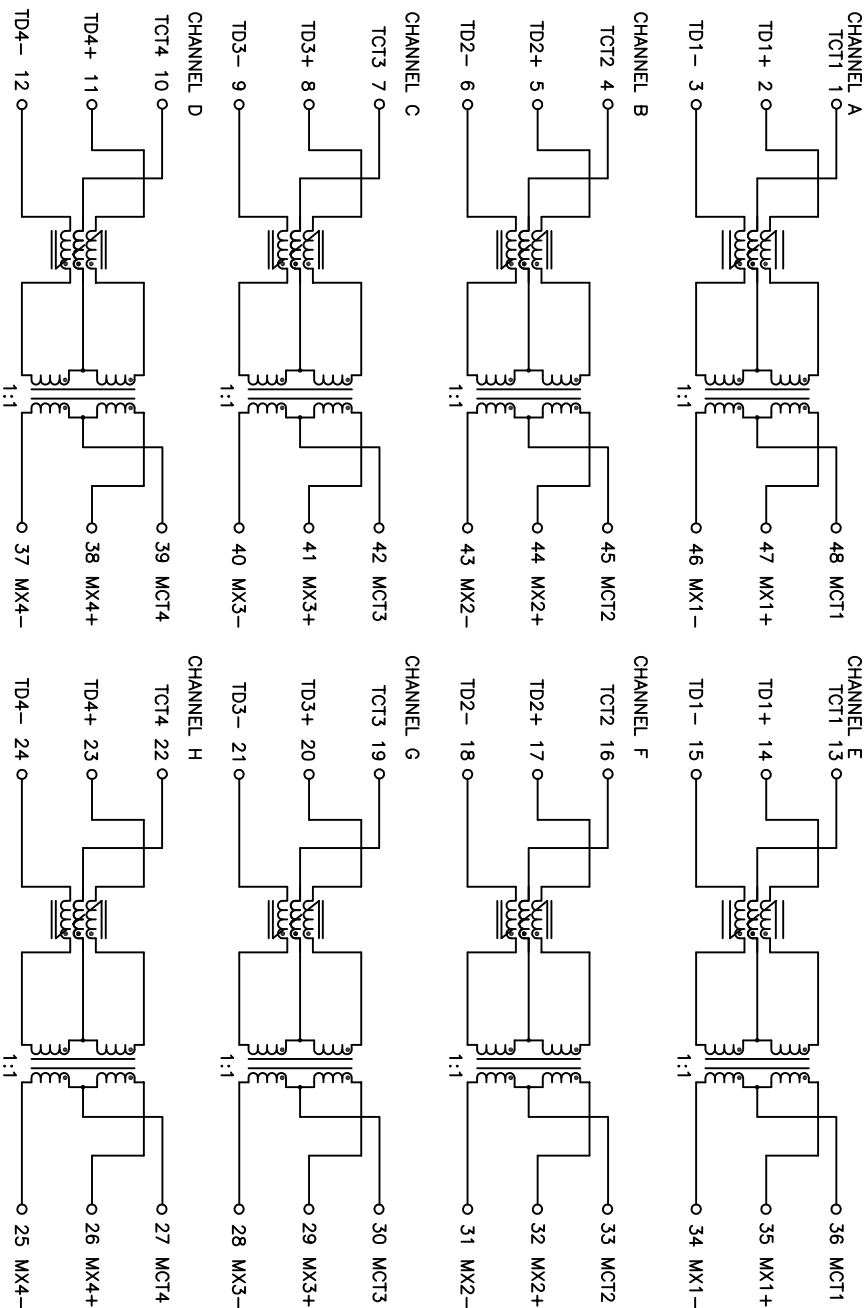
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHERWISE SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS
OPERATING TEMPERATURE	-40°C TO +85°C
TURNS RATIO	1.00 ± 2%
INSERTION LOSS	100 KHz 1-125 MHz
	-1.2 dB MAX -0.2-0.002 ^f 1.4 dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	1-40 MHz 40-100 MHz
	-16 dB MIN -10+20*LOG ₁₀ (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40 TO +85°C)	350 UH MIN (MEASURED AT 100 KHz, 100 mV(RMS) WITH 8 mA DC BIAS)
	120 UH MIN (MEASURED AT 100 KHz, 100 mV(RMS) WITH 19 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
DC RESISTANCE, 1/2 WINDING	-50 DB MIN -15+20*LOG ₁₀ (f/200) DB MIN
DC RESISTANCE, DC BALANCE	±.05 OHMS MAX (CENTER TAP SYMMETRY)
DC CURRENT/VOLTAGE RATING	600 mA @ 57 V (CONTINUOUS)
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS

NOTE: f IS FREQUENCY IN MHZ.

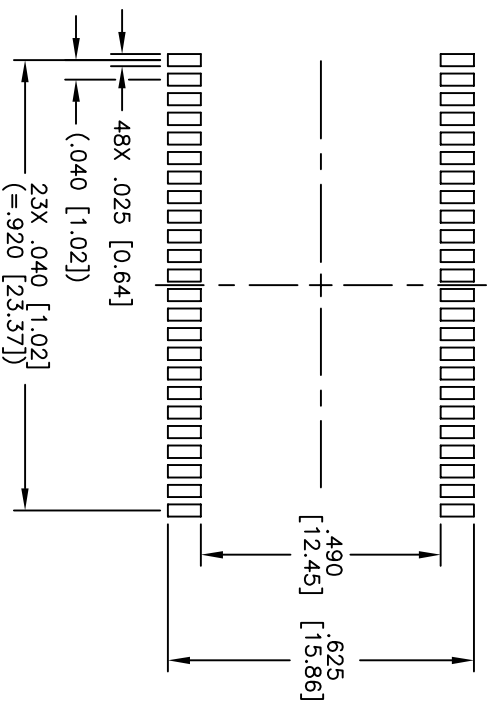
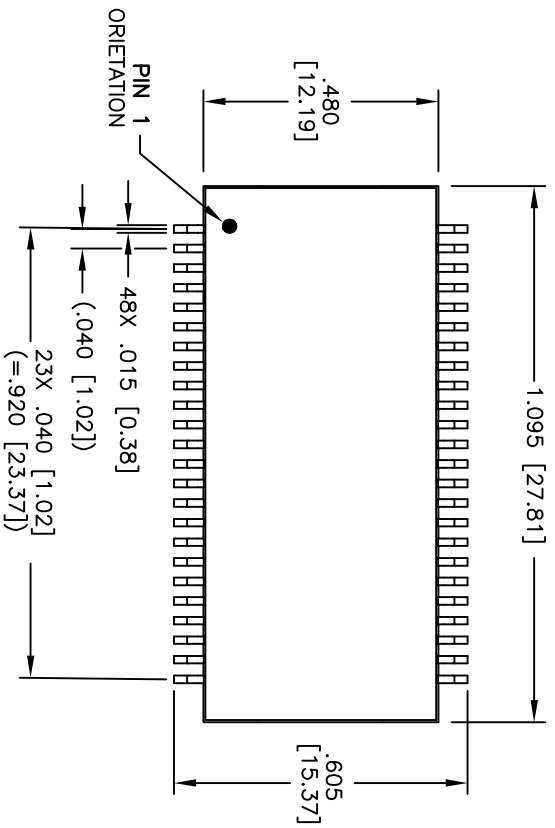


ALL CHANNELS ARE IN PHASE BETWEEN INPUT AND OUTPUT

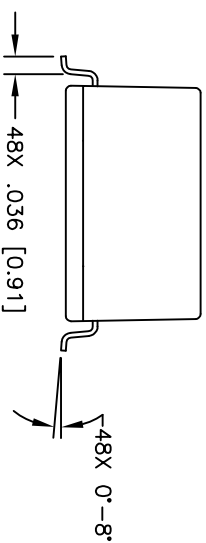
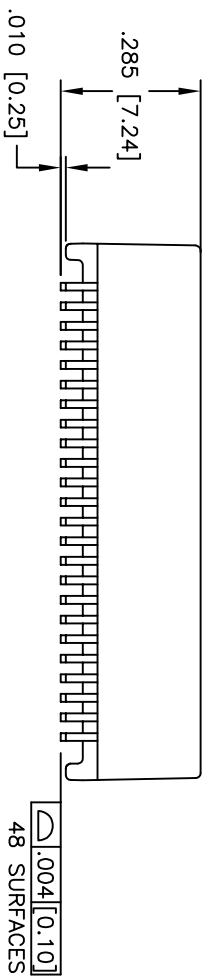


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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,DUAL,1GPP,1:1,SM,TU	HX6101NL-11	PS-2007.001-C	2 OF 3	HX6101NL	B



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,1GPP,1:1,SM,TU	HX6101NL-11	PS-2007.001-C	3 OF 3	HX6101NL	B

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