



**THE DATASHEET OF  
HX5149NLT**



WITH FLAMMABILITY  
LETTER.

+125°C

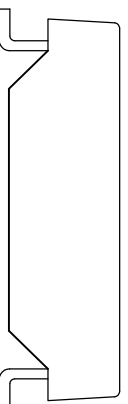
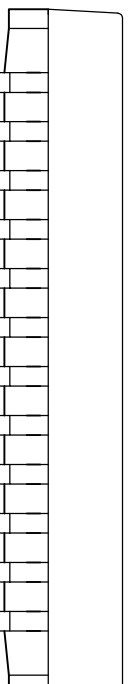
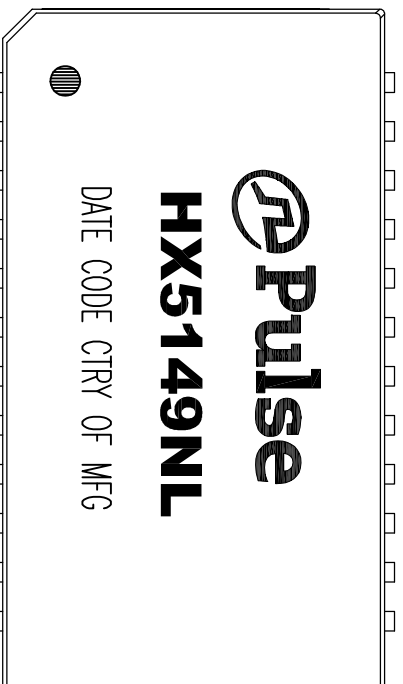
REFLOW PROFILE

MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

ADD A "4" SUFFIX

BECOMES HX5149NLT).



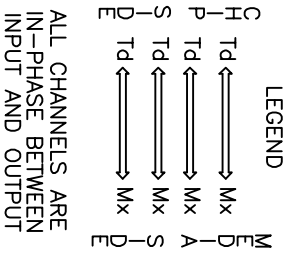
FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5149NL-10	PS-2523.002-A	1 OF 3	HX5149NL	A

- 24 TX+
- 22 TXCT
- 23 TX-
- 20 TX+
- 21 TXCT
- 19 TX-
- 18 TX+
- 16 TXCT
- 17 TX-
- 14 TX+
- 15 TXCT
- 13 TX-

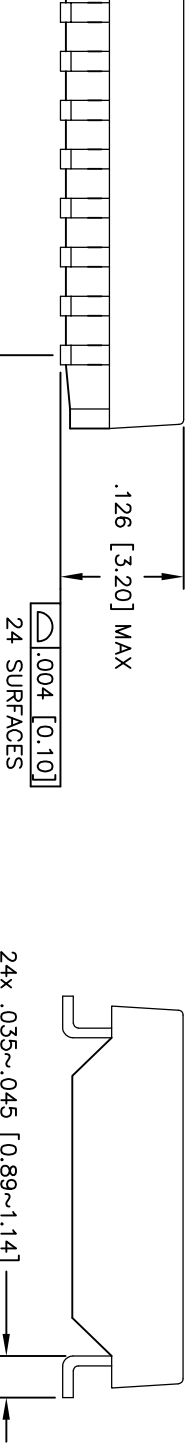
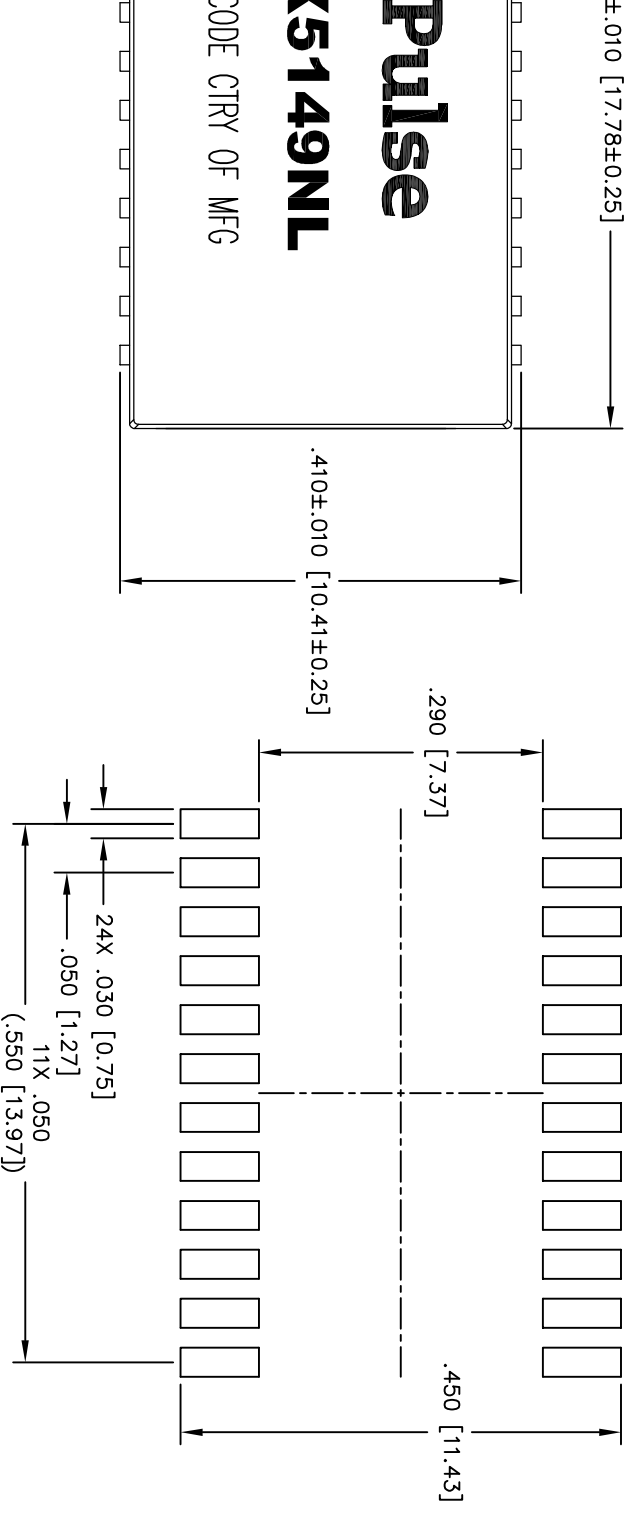
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	-40°C ~ +85°C	
TURNS RATIO	1.00 ± 2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002* $f^{1.4}$ dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> ( $f/80$ MHz) dB MIN
INDUCTANCE (OCL) 100 KHz, 100 mV/RMS @ 8 mA DC BIAS	360 uH MIN @ 25 °C	
	300 uH MIN	@ -40°C AND +85°C
CROSSTALK, ADJACENT CHANNELS	1 MHz	10-100 MHz
	-50 dB MIN	-55+22*LOG <sub>10</sub> ( $f/10$ ) dB MIN
	2 MHz	30-200 MHz
COMMON MODE REJECTION RATIO	-42 dB MIN	-15+20*LOG <sub>10</sub> ( $f/200$ ) dB MIN
	.65 OHMS MAX	
DC RESISTANCE, 1/2 WINDING		
DC RESISTANCE IMBALANCE	±.065 OHMS MAX (CENTER TAP SYMMETRY)	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS	



NOTE: f IS FREQUENCY IN MHZ.

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5149NL-10	PS-2523.002-A	2 OF 3	HX5149NL	A



[1.27]  
11x .050  
(.550 [13.97])



DIMENSIONS ARE IN INCH [MILLIMETERS] WITH THE FOLLOWING  
TOLERANCES: [MILLIMETER] ARE FOR REFERENCE ONLY.  
.XX = ±.02 [±0.50]  
.XXX = ±.010 [±0.25]

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5149NL-10	PS-2523.002-A	3 OF 3	HX5149NL	A

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