



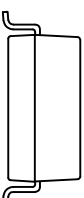
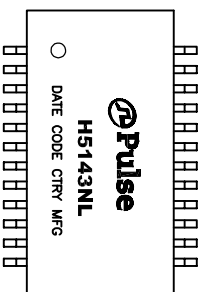
THE DATASHEET OF H5143NLT



) WITH FLAMMABILITY
 LETTER.
) +125°C

TTY AT 245°C REFLOW PROFILE
 O MOISTURE SENSITIVE
 MAXIMUM THROUGH REFLOW SOLDER

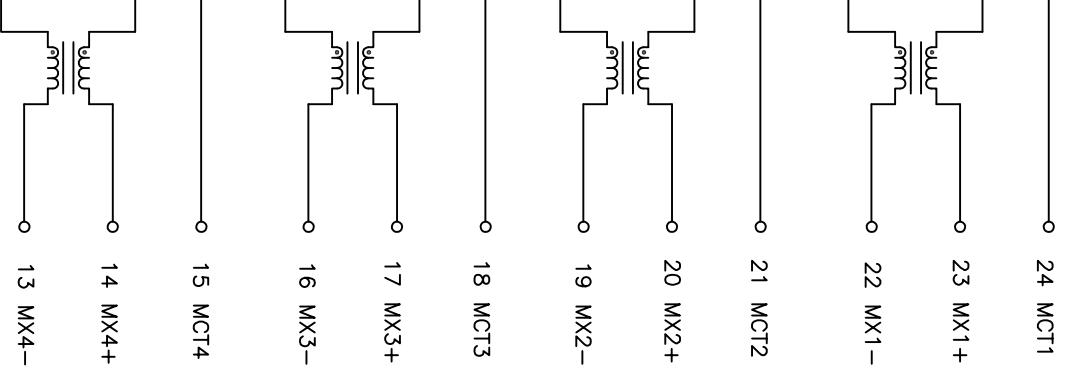
NG ADD A "T" SUFFIX
 L BECOMES H5143NLT).



FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
H5143NL-12	PS-2325.001-C	1 OF 3	H5143NL	B



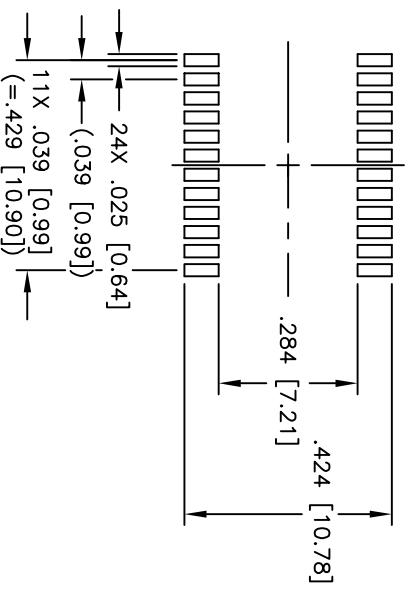
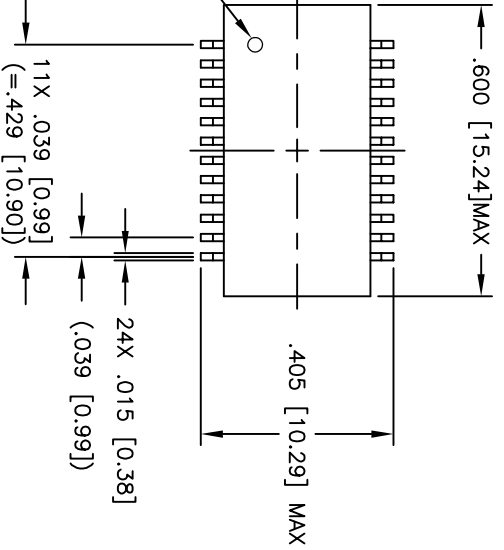
ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C TO +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
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, 0°C~+70°C)	350 uH MIN	(MEASURED AT 100 KHZ, 100 mV _{RMS}) (AND WITH 8 mA DC BIAS)
	1 MHZ	10-100 MHZ
CROSSTALK, ADJACENT CHANNELS	-50 DB MIN	-55+22*LOG ₁₀ (f/10) DB MIN
	2 MHZ	30-200 MHZ
COMMON MODE REJECTION RATIO	-42 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	

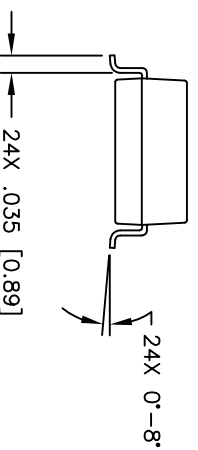
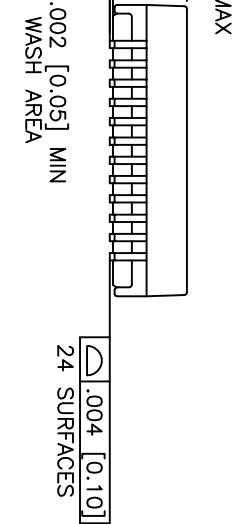
NOTE: f IS FREQUENCY IN MHZ.

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
H5143NL-12	PS-2325.001-C	2 OF 3	H5143NL	B



SUGGESTED LAND PATTERN



WITH THE FOLLOWING REFERENCE ONLY.

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
5143NL-12	PS-2325.001-C	3 OF 3	H5143NL	B

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