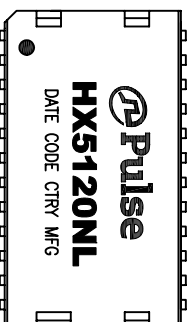


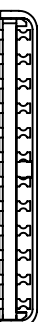


# THE DATASHEET OF HX5120NLT

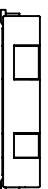




) WITH FLAMMABILITY  
 ) +125°C



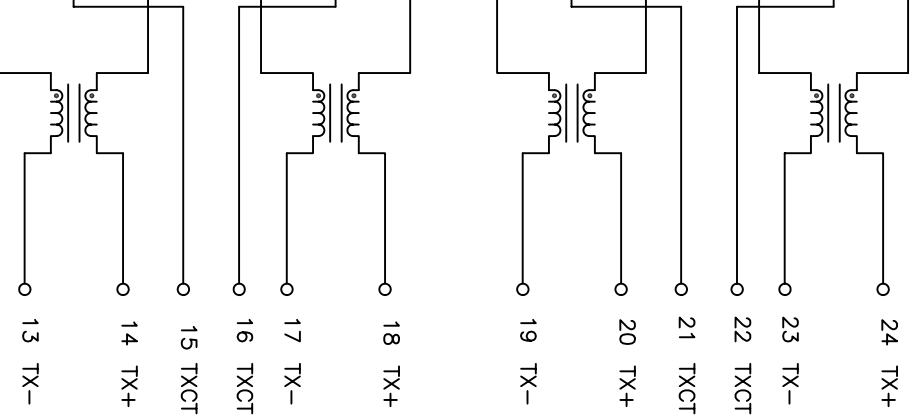
TTY AT 245°C REFLOW PROFILE  
 O MOISTURE SENSITIVE  
 MAXIMUM THROUGH REFLOW SOLDER  
 NG ADD A "T" SUFFIX  
 NL BECOMES HX5120NLT).



FINAL OUTLINE

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5120NL-10	PS-2422.001-B	1 OF 3	HX5120NL	A



ELECTRICAL CHARACTERISTICS AT +25°C UNLESS OTHER SPECIFIED

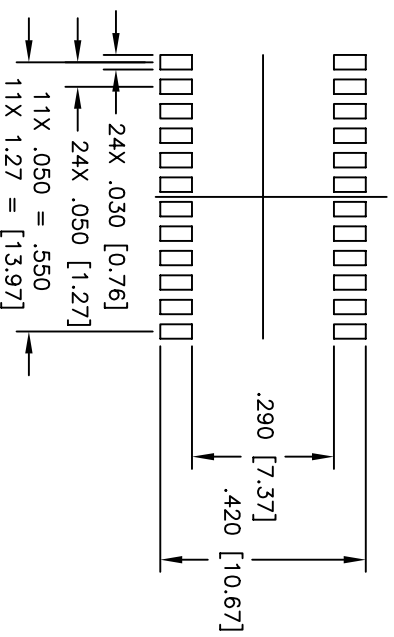
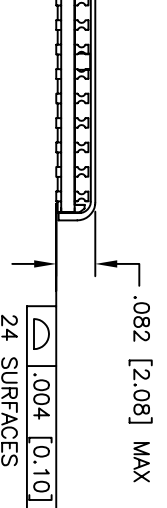
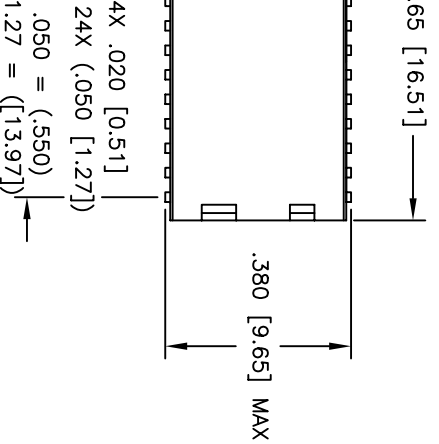
MEETS IEEE 802.3 SPECIFICATION

PARAMETER	SPECIFICATIONS	
OPERATING TEMPERATURE	-40°C ~ +85°C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAX
RETURN LOSS	.1-40 MHz	40-100 MHz
(Z OUT = 100 OHM ±15%)	-16 dB MIN	-10+20*LOG <sub>10</sub> (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)
	1 MHz	10-100 MHz
CROSSTALK, ADJACENT CHANNELS	-50 dB MIN	-55+22*LOG <sub>10</sub> (f/10) dB MIN
COMMON MODE REJECTION RATIO	2 MHz	30-200 MHz
	-42 dB MIN	-15+20*LOG <sub>10</sub> (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	

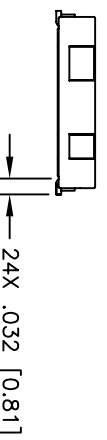
NOTE: f IS FREQUENCY IN MHZ.

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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5120NL-10	PS-2422.001-B	2 OF 3	HX5120NL	A



SUGGESTED LAND PATTERN





WITH THE FOLLOWING  
REFERENCE ONLY.

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ITLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
HX5120NL-10	PS-2422.001-B	3 OF 3	HX5120NL	A
SFFI FCI TRONICS.COM(Asia)	PHONE: USA:858 674 8100, GERMANY:49 7032 78060, SINGAPORE:65 6287 8998, SHANGHAI:86 21 62787060, TAIWAN:886 3 4356768			

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-  [Pulse Information](#)

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-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management