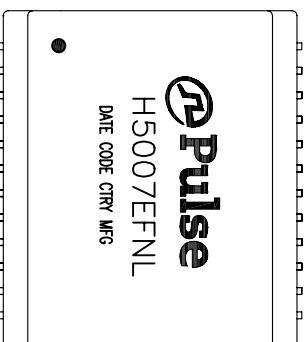




# THE DATASHEET OF H5007EFNL



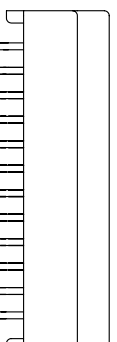
) WITH FLAMMABILITY  
 ) +125°C



ITY AT 245°C REFLOW PROFILE

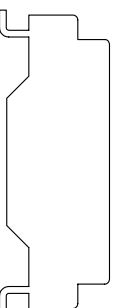
MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER



NG ADD A "T" SUFFIX

FNL BECOMES H5007EFNL(T).



FINAL OUTLINE

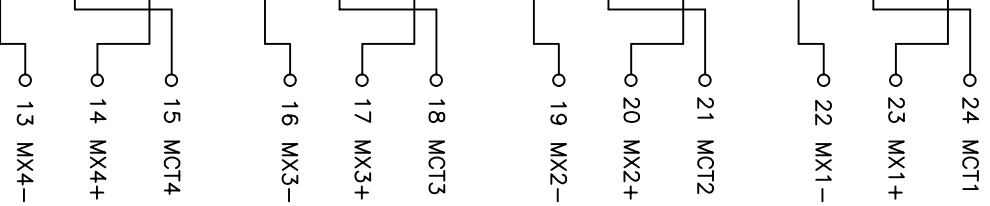
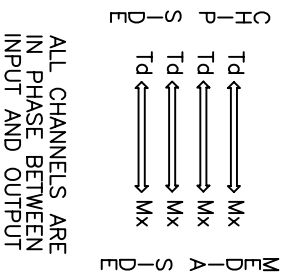
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TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
5007EFNL-11	PS-2597.001-C	1 OF 3	H5007EFNL	A

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

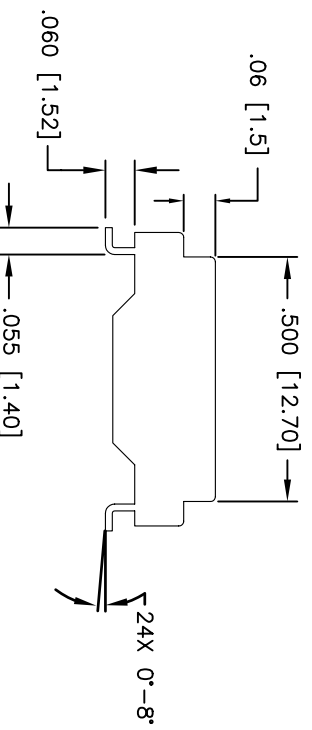
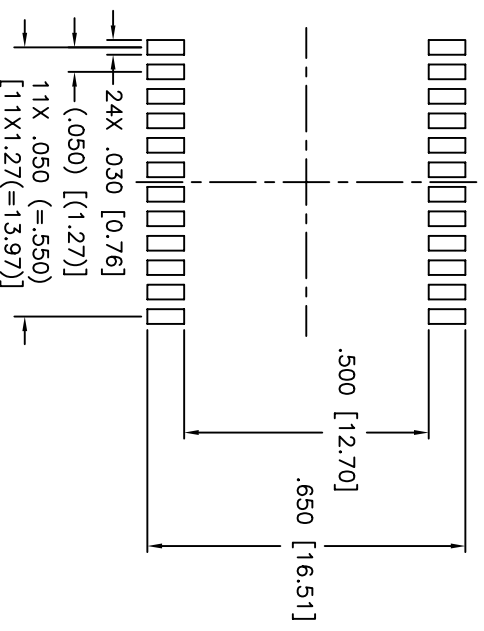
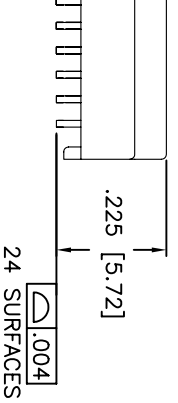
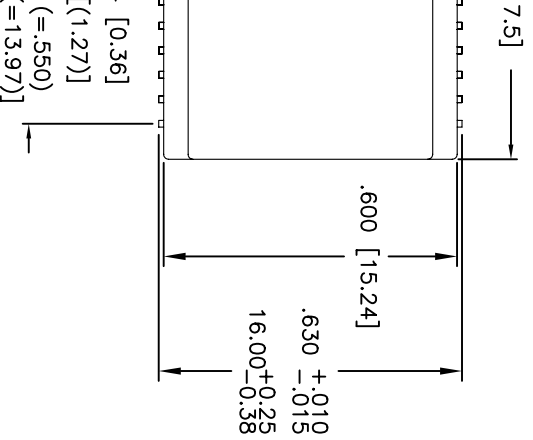
PARAMETER	SPECIFICATIONS	
OPERATING TEMP	0°C - 70 °C	
TURNS RATIO	1 : 1 ±2%	
POLARITY	PER SCHEMATIC	
INSERTION LOSS	100 KHz	1-125 MHz
	-1.2 dB MAX	-0.2-0.002*f <sup>1.4</sup> dB MAX
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-40 MHz	40-100 MHz
	-16 dB MIN	-10+20*LOG <sub>10</sub> (f/80 MHz) dB MIN
INDUCTANCE (OCL) (MEDIA SIDE, 0°C-70°C)	350 uH MIN	(MEASURED AT 100 KHz, 100 mV <sub>RMS</sub> ) (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
	2 MHz	30-200 MHz
COMMON MODE REJECTION RATIO	-50 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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TILA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
5007EFNL-11	PS-2597.001-C	2 OF 3	H5007EFNL	A





WITH THE FOLLOWING  
REFERENCE ONLY.

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ITLA DRAWING 5007EFNL-11	PS DRAWING PS-2597.001-C	SHEET 3 OF 3	PART NO. H5007EFNL	DATASHEET REV. A
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## Optimize Your Supply Chain with WIN SOURCE Solutions

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