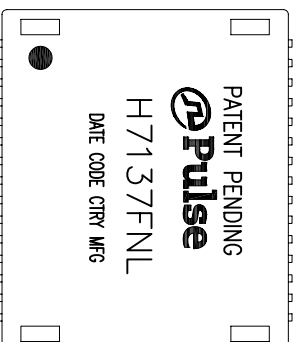




THE DATASHEET OF H7137FNLT





) WITH FLAMMABILITY

) +125°C

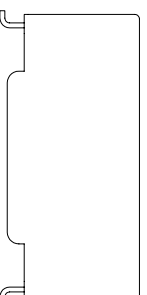
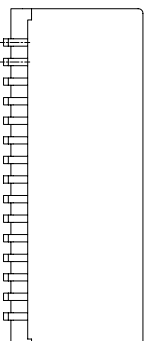
ITY AT 245°C REFLOW PROFILE

O MOISTURE SENSITIVE

MAXIMUM THROUGH REFLOW SOLDER

NG ADD A "T" SUFFIX

NL BECOMES H7137FNLT).



FINAL OUTLINE

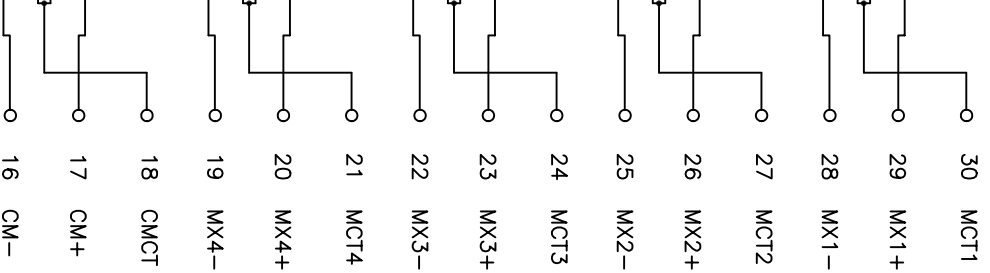
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H7137FNLT-11	PS-2578.002-B	1 OF 3	H7137FNLT	A

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

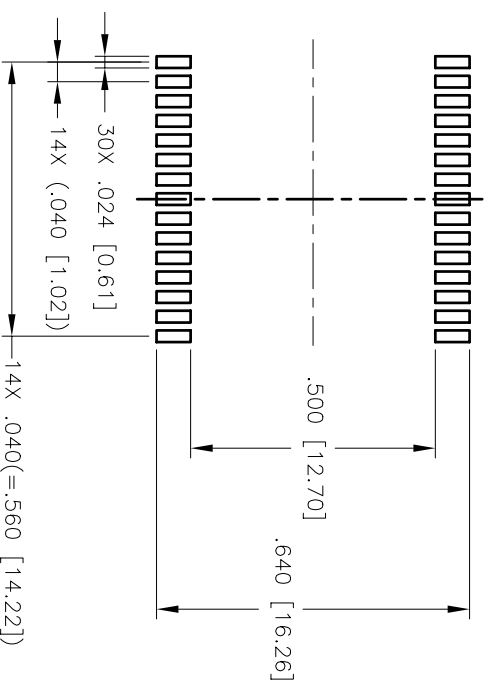
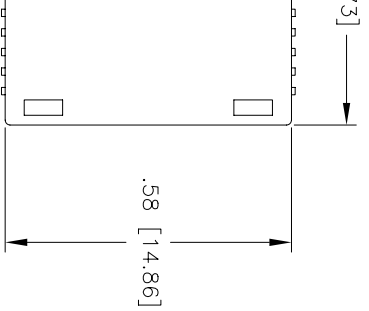
PARAMETER	SPECIFICATIONS			
OPERATING TEMPERATURE	0°C TO 70°C			
TURNS RATIO	1.00 ± 2%			
POLARITY	PER SCHEMATIC			
INSERTION LOSS (SDD21)	100 KHz	1-400 MHz		
	-3.0 dB MAX	-1.0 dB MAX (-.6 dB TYP)		
PHY-SIDE RETURN LOSS (SDD11 - Zref = 100 OHMS ± 1%)	1 MHz	2 MHz-100 MHz	100 MHz-500 MHz	
	-23 dB MIN	-25 dB MIN	-12+21.6*LOG ₁₀ (f/400) dB MIN	
LINE-SIDE RETURN LOSS (SDD22 - Zref = 100 OHMS ± 1%)	1 MHz - 40 MHz	40 MHz - 400 MHz	400 MHz - 500 MHz	
	-23 dB MIN	-23+10*LOG ₁₀ (f/40) dB MIN	-13+30*LOG ₁₀ (f/400) dB MIN	
INDUCTANCE (OCL)	180 uH MIN @ 100 KHz, 100 mV			
CROSSTALK, ADJACENT CHANNELS (SD21 - ADJ.)	1-100 MHz	100-500 MHz		
	-40 dB MIN	-30 dB MIN		
COMMON MODE REJECTION RATIO (SCC21)	1 MHz-100 MHz	100-300 MHz	300-500 MHz	
	-37 dB MIN	-30 dB MIN	-25 dB MIN	
COMM. TO DIFF. REJECTION RATIO (SDC12)	1 MHz-100 MHz	100-300 MHz	300-500 MHz	
	-40 dB MIN	-30 dB MIN	-25 dB MIN	
CURRENT RATING	PINS 1-15	PINS 16,17,19,20,22,23,25,26,28,29	PINS 18,21,24,27,30	
	300 mA MIN	600 mA MIN	1000 mA MIN	
INPUT - OUTPUT ISOLATION	1500 VRMS MIN @ 60 SECONDS			

NOTE: f IS FREQUENCY IN MHZ.

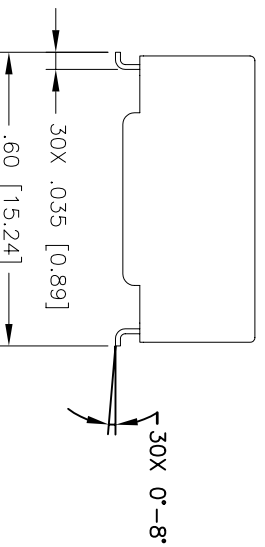
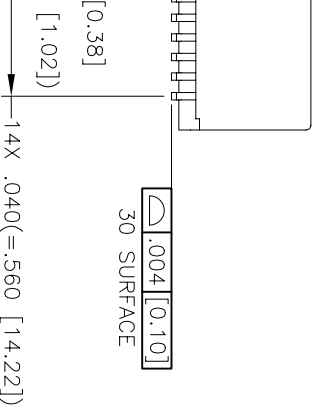


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SUGGESTED LAND PATTERN



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