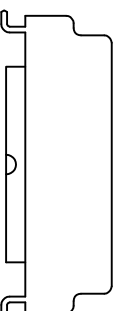
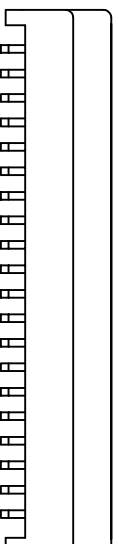
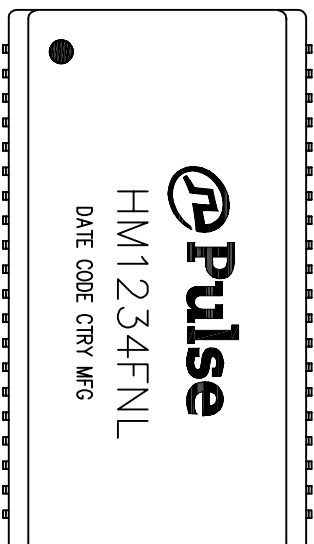




THE DATASHEET OF HM1234FNL





FINAL OUTLINE

AT 245°C REFLOW PROFILE
 MOISTURE SENSITIVE
 MINIMUM THROUGH REFLOW SOLDER
 : ADD A "T" SUFFIX
 L BECOMES HM1234FNLT).

TY
 +125°C

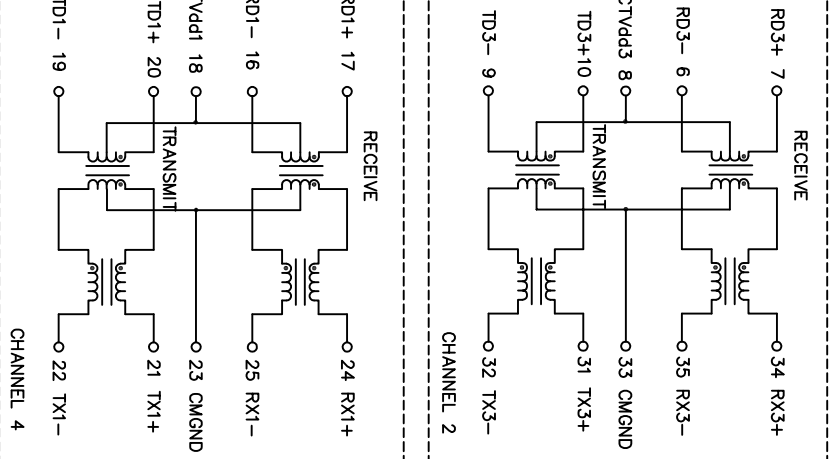
rights reserved. Pulse confidential & proprietary. (09/14/16)

A DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
234FNL-10	PS-2743.001-A	1 OF 3	HM1234FNL	D

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

PARAMETER	SPECIFICATIONS		
OPERATING TEMP	-40°C TO +105°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 ^{1.4} DB MAX	
RETURN LOSS (Z OUT = 100 OHM ±15%)	.1-30 MHz	30-60 MHz	60-80 MHz
	-16 DB MIN	-10+20*LOG ₁₀ (f/60 MHz) DB MIN	-10 DB MIN
INDUCTANCE (OCL) (MEDIA SIDE, -40°C~+105°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	-50+17*LOG ₁₀ (f/10) DB MIN	
	DIFFERENTIAL TO COMMON MODE REJECTION		
	5-200 MHz		
DC RESISTANCE 1/2 WINDING	-50+17 LOG ₁₀ (f/5 MHz) DB MIN		
DC RESISTANCE IMBALANCE	.60 OHMS MAX		
INPUT - OUTPUT ISOLATION	±.065 OHMS MAX (CENTER TAP SYMMETRY) 1500 VRMS MIN @ 60 SECONDS		

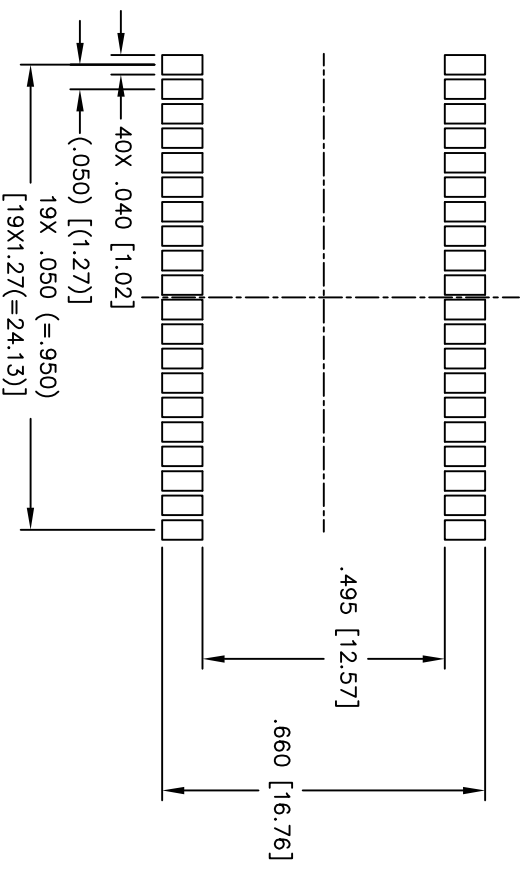
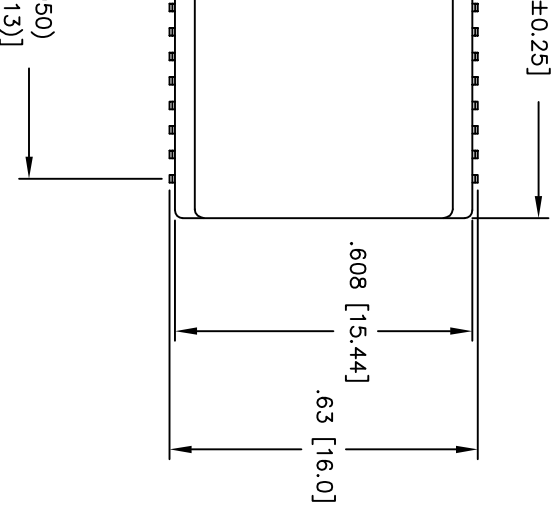
NOTE: f IS FREQUENCY IN MHZ.



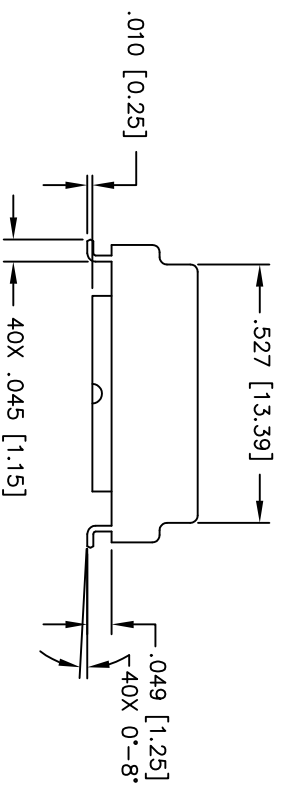
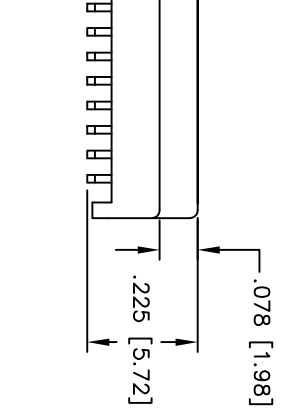
ATTN

rights reserved. Pulse confidential & proprietary. (09/14/16)

PS DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
234FNL-10	PS-2743.001-A	2 OF 3	HM1234FNL	D



SUGGESTED PAD LAYOUT





THE FOLLOWING
REFERENCE ONLY.

rights reserved. Pulse confidential & proprietary. (09/14/16)

DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
234FNL-10	PS-2743.001-A	3 OF 3	HM1234FNL	D

Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View HM1234FNL on WIN SOURCE](#)
-  [Pulse Information](#)

Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management