

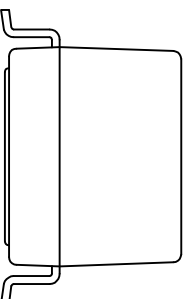
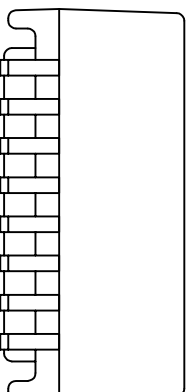
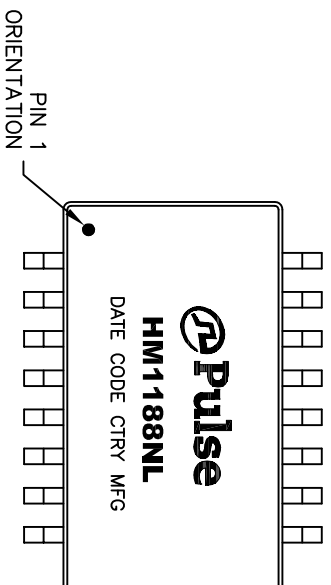


# THE DATASHEET OF HM1188NL



-125°C  
 AT 245°C REFLOW PROFILE  
 MOISTURE SENSITIVE  
 MINIMUM THROUGH REFLOW SOLDER

ADD A "T" SUFFIX  
 L BECOMES HXXXXXXXXNLT).



FINAL OUTLINE

rights reserved. Pulse confidential & proprietary. (09/05/16)

A DRAWING 1188NL-10	PS DRAWING PS-2005.001-F	SHEET 1 OF 3	PART NO. HM1188NL	DATASHEET REV. E
------------------------	-----------------------------	-----------------	----------------------	---------------------

○ 16 TX+ →  
○ 15 CMT TO RJ45

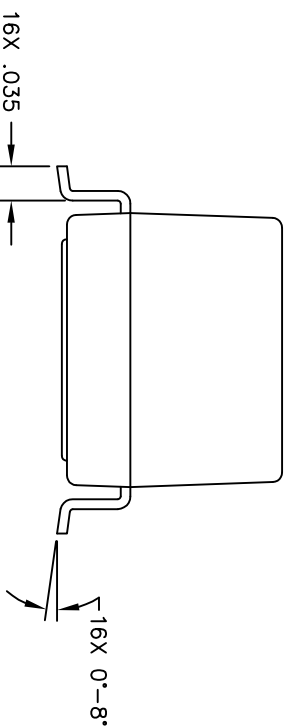
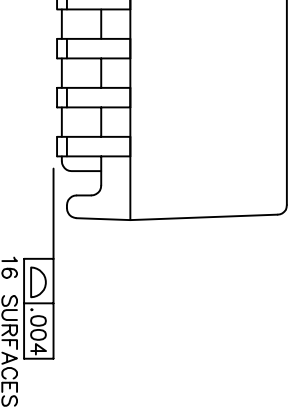
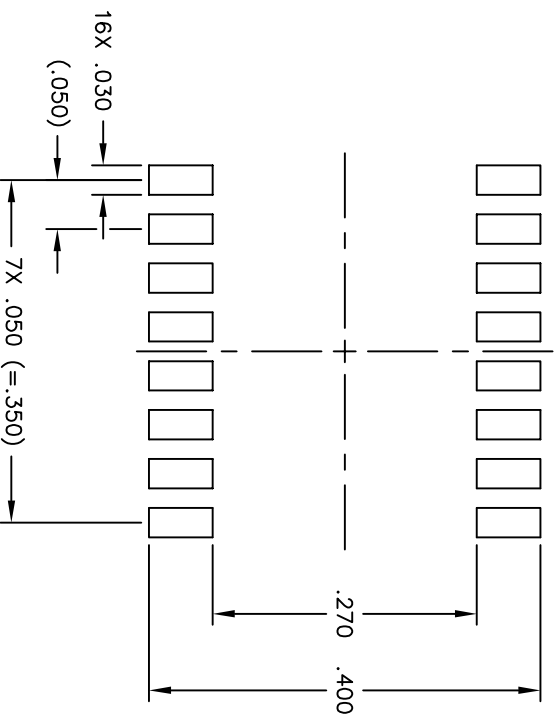
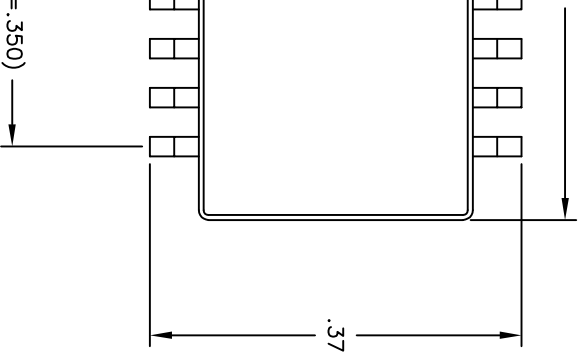
○ 14 TX- →  
○ 11 RX+ →  
○ 10 CMT FROM RJ45  
○ 9 RX- →

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
INDUCTANCE (OCL) (MEDIA SIDE,-40°C~+105°C)	350 uH MIN (MEASURED AT 100 KHZ, 100 mV/RMS AND WITH 8 mA DC BIAS)
INSERTION LOSS	1-100 MHz 125 MHz -1.0 dB MAX -3.0 dB MAX
RETURN LOSS	5 MHz 30-80 MHz
Z <sub>out</sub> = 100 OHMS	-18 dB MIN -16 + 26LOG <sub>10</sub> (f/30 MHz) dB MIN
CROSSSTALK (TX-RX)	1 MHz 5-100 MHz -62 dB MIN -45 + 21LOG <sub>10</sub> (f/30 MHz) dB MIN
DIFFERENTIAL TO COMMON MODE REJECTION	5-200 MHz -50 + 17LOG <sub>10</sub> (f/5 MHz) dB MIN
INPUT - OUTPUT ISOLATION	1500 VAC MINIMUM FOR 60 SECONDS

rights reserved. Pulse confidential & proprietary. (09/05/16)

DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
1188NL-10	PS-2005.001-F	2 OF 3	HM1188NL	E





MINIMUM TOLERANCES:

rights reserved. Pulse confidential & proprietary. (09/05/16)

ORIGINAL DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
1188NL-10	PS-2005.001-F	3 OF 3	HM1188NL	E

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View HM1188NL 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