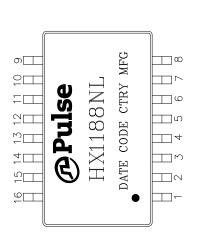


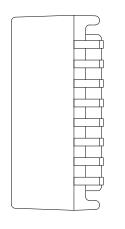


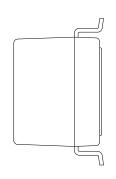


## NOTES:

- ROHS COMPLIANT
- HEADER: DAP (DIALLYL PHTHALATE) WITH FLAMMABILITY RATING UL 94V-0 OR BETTER.  $\ddot{\circ}$
- STORAGE TEMPERATURE: -50°C TO +125°C М.
- COMPLIANCE TO J-STD:
- J-STD-002: SOLDERABILITY AT 245°C REFLOW PROFILE
- J-STD-020: LEVEL 1, NO MOISTURE SENSITIVE œ.
- J-STD-075: R7, 245°C MAXIMUM THROUGH REFLOW SOLDER Ċ
- TO ORDER TAPE & REEL PACKAGING ADD A "T" SUFFIX 5
- TO THE PART NUMBER(i.e HX1188NL BECOMES HX1188NLT).







FINAL OUTLINE

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PRODUCT DESCRIPTION	TLA DRAWING	PS DRAWING	SHEET	PART NO.	DATASHEET REV.
MDL,SIN,100D,1:1,SM,TU	HX1188NL-17	PS-2005.001-G	1 OF 4	HX1188NL	工
Email: Americae prodintanetworkamericae@unleselectronice cam   Europe = Comme - Appe - Europe	and - ammo - Friends - Omme - Apple	- Firena Meritanias com I Asia - aradia fanaturarkana de artronias com I Waheita Naturakina Bulsa Flantronias com	dinfonetwork and	Manipage of transcript of Wakeiter Nati	working DuleaFlactronics com





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

-015 CMT

-016 TX+

→ 14 TX-

<u>...</u>

3

TCT

TRANSMIT

O 11 RX+

RD + 6 9

RECEIVE

→ 10 CMT

PARAMETER		SPECIFICATIONS
OPERATING TEMP		-40°C TO +85°C
TURNS RATIO		1:1 ±2%
POLARITY		PER SCHEMATIC
$\bigvee$ INDUCTANCE (OCL) (16-14) = (11-9) (MEDIA SIDE, -40°C~+85°C)	350 uH MIN	( MEASURED AT 100 KHz, 100 mVRMS) ( AND WITH 8 mA DC BIAS
i Full Control	1-100 MHz	125 MHz
/ INSERTION LOSS	-1.0 dB MAX	-3.0 dB MAX
RETURN LOSS	ZHM S	30-80 MHz
Z <sub>OUT</sub> = 100 OHMS	-18 dB MIN	$-16 + 20LOG_{10}(f/30 \text{ MHz}) dB \text{ MIN}$
CROSSTALK	1 MHz	5-100 MHz
(TX-RX)	-62 dB MIN	$-45 + 21LOG_{10}(f/30 \text{ MHz}) dB \text{ MIN}$
DIFFERENTIAL TO		5-200 MHz
COMMON MODE REJECTION	-20 +	$50 + 17LOG_{10}(f/5 \text{ MHz}) dB MIN$
V INPUT - OUTPUT ISOLATION	1500	1500 VRMS FOR 60 SECONDS

NOTE: 1. f IS FREQUENCY IN MHz.

SCHEMATIC

 $\stackrel{\smile}{\cdots}$ 

RD - 8 0

RCT

-0 9 RX-

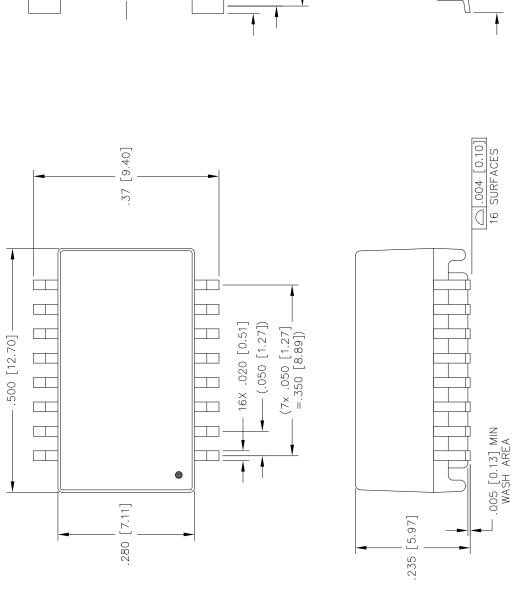
2. "\(\times\)" IS SPECIAL CHARACTERISTIC.

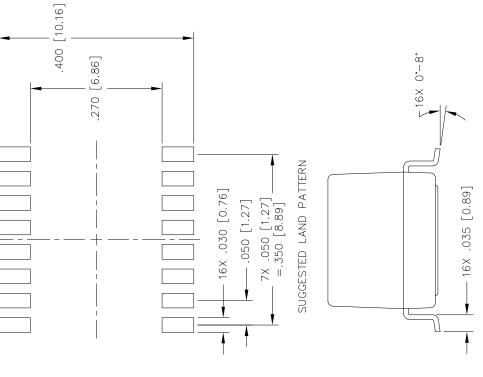
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i					
I	HX1188NL	2 OF 4	PS-2005.001-G	HX1188NL-17	MDL,SIN,100D,1:1,SM,TU
DATASHEET REV.	PART NO.	SHEET	PS DRAWING	TLA DRAWING	PRODUCT DESCRIPTION









DIMENSIONS ARE IN INCHES [MILLIMETERS] WITH THE FOLLOWING TOLERANCES: [MILLIMETERS] ARE FOR REFERENCE ONLY.  $.XX = \pm .01 \quad [\pm 0.25]$   $.XXX = \pm .005 \quad [\pm 0.13]$ 

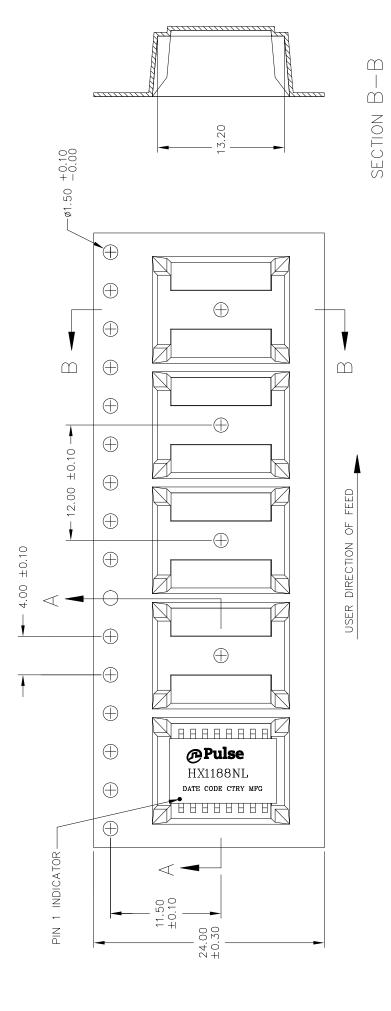
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SHEET PART NO. DATASHEET REV.	-G 3 OF 4 HX1188NL H	
PS DRAWING	PS-2005.001-(	
TLA DRAWING	HX1188NL-17	
PRODUCT DESCRIPTION	MDL,SIN,100D,1:1,SM,TU	





## NOTE: PACK 600 PIECES PER REEL





SECTION A-A

7.00

-06.6

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=	7	4 07 4	P3-Z003:001-6	7	
	IV41188NII	LO	00000000	HV1188NII —17	1000 1:1 SM TII
DATASHEET REV.	PART NO.	SHEET	PS DRAWING	TLA DRAWING	PRODUCT DESCRIPTION