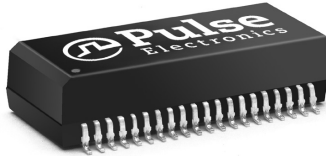


10/100Base-TX Transformer Modules

For Auto MDI/MDIX Applications



- RoHS peak reflow temperature rating 245°C
- Symmetrical transmit and receive channels for Auto MDI/MDIX capability
- Approved for use with the Broadcom BCM5226 and Level One LXT9784
- Meets IEEE 802.3 specification

Electrical Specifications @ 25°C - Operating Temperature 0°C to 70°C

RoHS Compliant Part Number ²	Insertion Loss (MAX)	Return Loss (dB MIN)				Crosstalk (dB MIN)				Differential to Common Mode Rejection (dB MIN)		Hipot (Vrms MIN)
	0.1-100 MHz	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 kHz	30 MHz	60 MHz	100 MHz	1-60 MHz	60-200 MHz	
HT164NL ^{3d}	-1.0	-18	-14.4	-13.1	-12	-65	-45	-40	-33	-37	-25	1500
HX1234NL ^{1,3d}	-1.4	-18	-14.4	-13.1	-12	-65	-45	-40	-33	-37	-25	1500

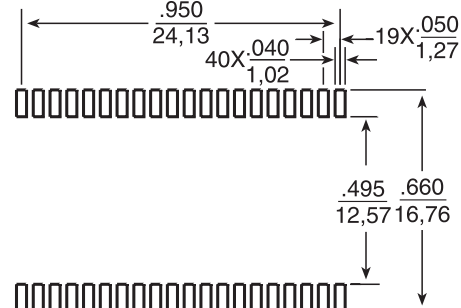
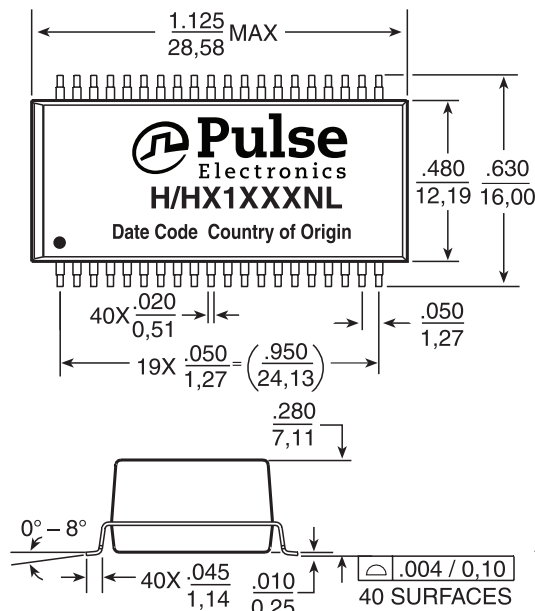
1. Operating Temperature -40°C to +85°

2. For Tape & Reel packaging, add "T" suffix to the end of the part number when ordering, (Ex. H1164NLT)

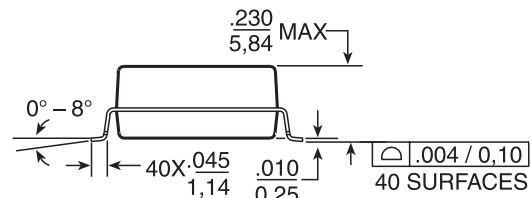
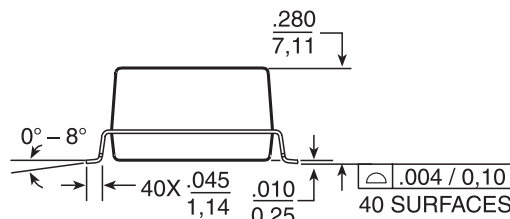
3. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

Mechanicals

H1164NL, HX1234NL



SUGGESTED PAD LAYOUT



HX1234NL

H1164NL

Weight4.8 grams
Tape & Reel250/reel
Tube15/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

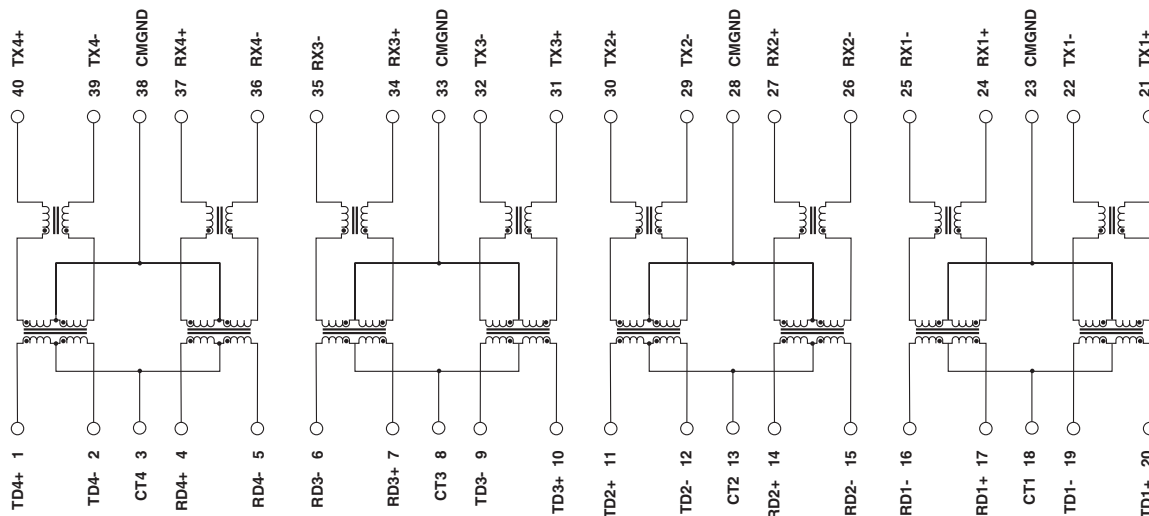
Taiwan 886 3 4356768

10/100Base-TX Transformer Modules

For Auto MDI/MDIX Applications

Schematic

HT164NL, HX1234NL



For More Information

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100

Pulse Europe

Einsteinstrasse 1
D-71083 Herren-
berg
Germany

Tel: 49 7032 7806

Pulse China Headquarters

B402, Shenzhen Academy of
Aerospace Technol-
ogy Bldg.
10th Kejian Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057

Pulse North China

Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China

Pulse South Asia

135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia

3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823
(Pulse)

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