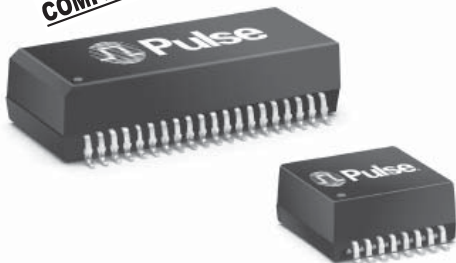






10/100BASE-TX TRANSFORMER MODULES

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

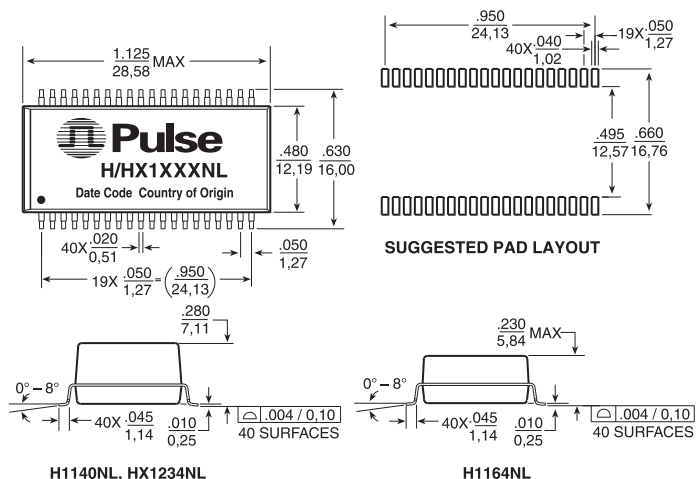
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

RoHS Compliant Part Number ²	Insertion Loss (MAX)	Return Loss (dB MIN)				Crosstalk (dB MIN)				Differential to Common Mode Rejection (dBMIN)		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	
H1140NL ^{3c}	-1.0	-18	-14.4	-13.1	-12	-65	-50	-40	-35	-40	-35	1500
H1141NL ^{3c}	-1.0	-18	-14.4	-13.1	-12	-65	-50	-40	-35	-40	-35	1500
H1164NL ^{3d}	-1.0	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500
HX1234NL ^{1,3c}	-1.4	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500

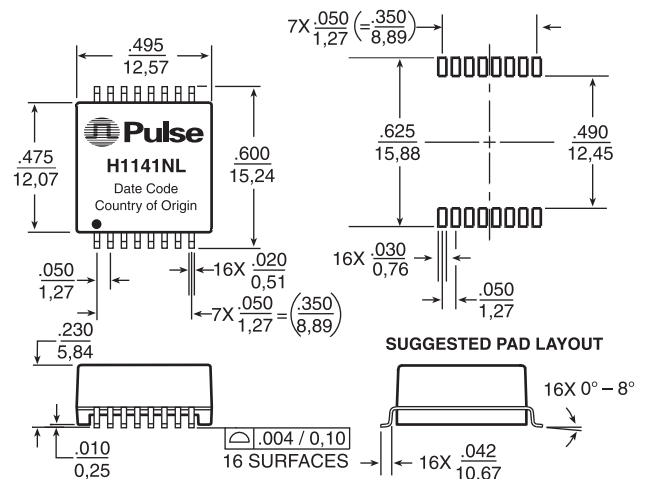
1. Operating Temperature -40°C to +85°C C_{ww}
2. For Tape & Reel packaging, add a "T" suffix to the end of the part number when ordering, (Ex: H1164NLT)
3. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

Mechanicals

H1140NL, H1164NL, HX1234NL



H1141NL



Weight 4.8 grams
Tape & Reel 250/reel
Tube 15/tube

Weight 1 gram
Tape & Reel 350/reel
Tube 35/tube

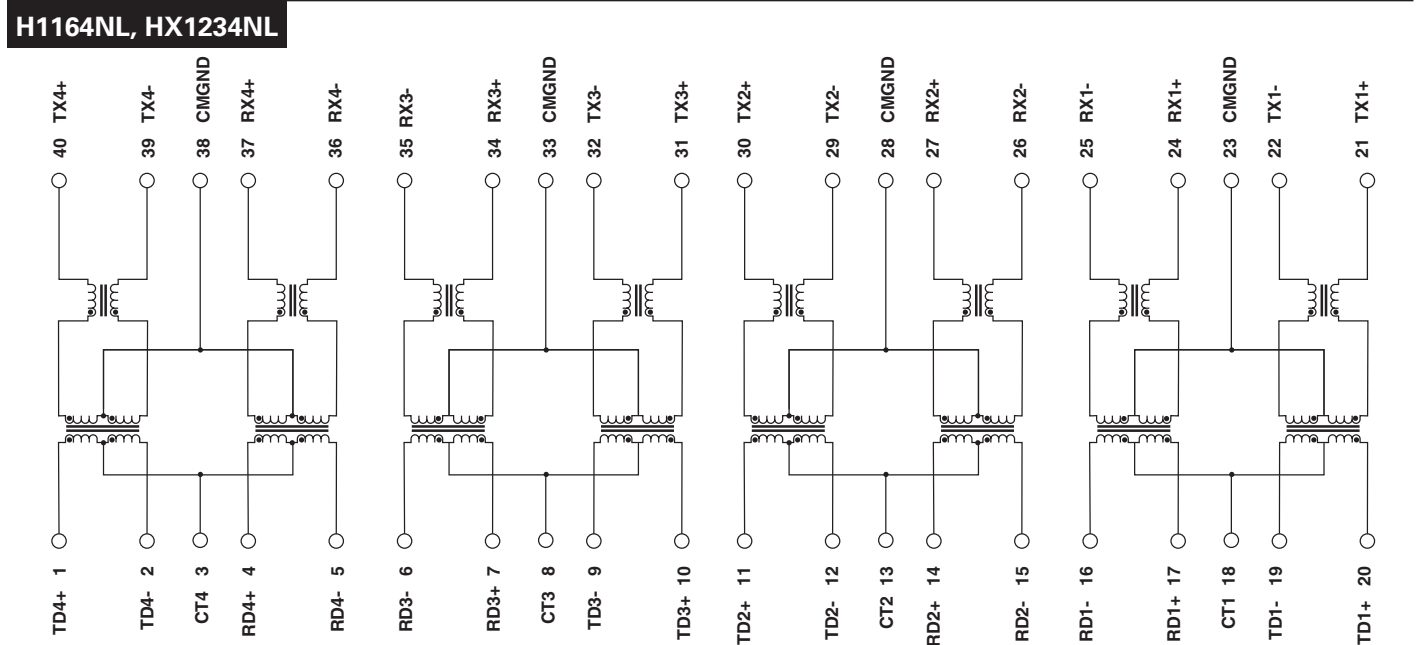
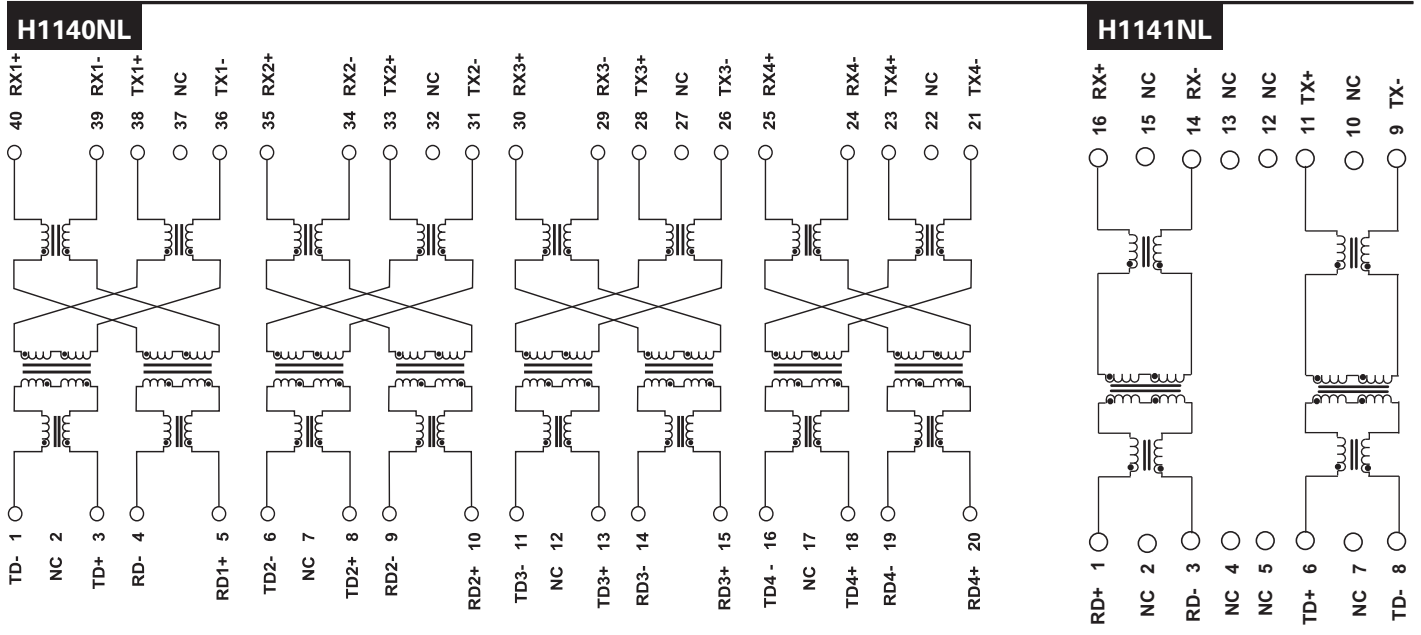
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

10/100BASE-TX TRANSFORMER MODULES

For Auto MDI/MDIX Applications



Schematics



For More Information:

Pulse Worldwide Headquarters
12220 World Trade Dr.
San Diego, CA 92128
U.S.A.

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Rd.
High-Tech Zone
Nanshan District
Shenzhen, PR China 518057
TEL: 86 755 33966678
FAX: 86 755 33966700

Pulse North China
Room 1503
XinYin Building
No. 888 YiShan Rd.
Shanghai 200233
China
Tel: 86 21 54643211/2
Fax: 86 21 54643210

Pulse South Asia
135 Joo Seng Rd.
#03-02
PM Industrial Bldg.
Singapore 368363
TEL: 65 6287 8998
FAX: 65 6280 0080

Pulse North Asia
No. 26, Kao Ching Rd.
Yang Mei Chen
Taoyuan Hsien
Taiwan
R. O. C.
Tel: 886 3 4643715
Fax: 886 3 4641911

www.pulseeng.com

Tel: 858 674 8100
Fax: 858 674 8262

Tel: 49 7032 7806 0
Fax: 49 7032 7806 135

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