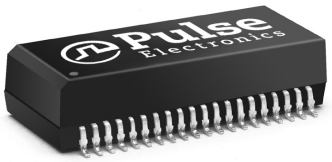
10/100Base-TX Transformer Modules

For Auto MDI/MDIX Applications

Pulse A YAGEO Company



- *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	
H1164NL [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

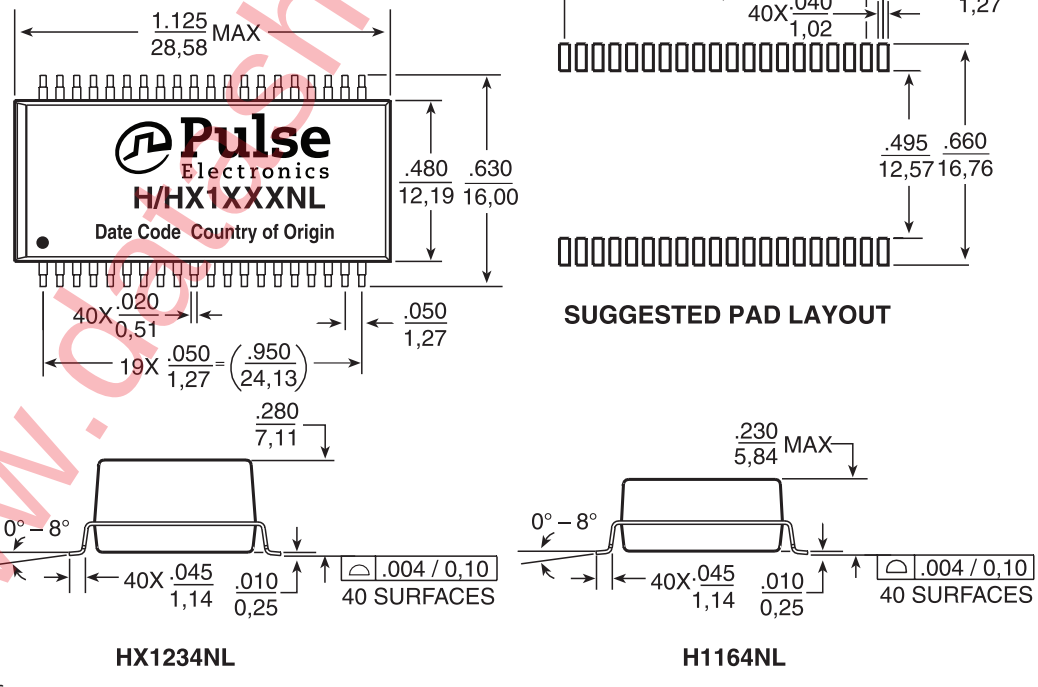
1. Operating Temperature **-40°C to +85°**

2. For Tape & Reel packaging, add **"T"** suffix to the end of the part number when ordering, (Ex. H1164NL**T**)

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

Mechanicals

H1164NL, HX1234NL



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

Dimensions: Inches / mm Unless otherwise specified, all tolerances are ± .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

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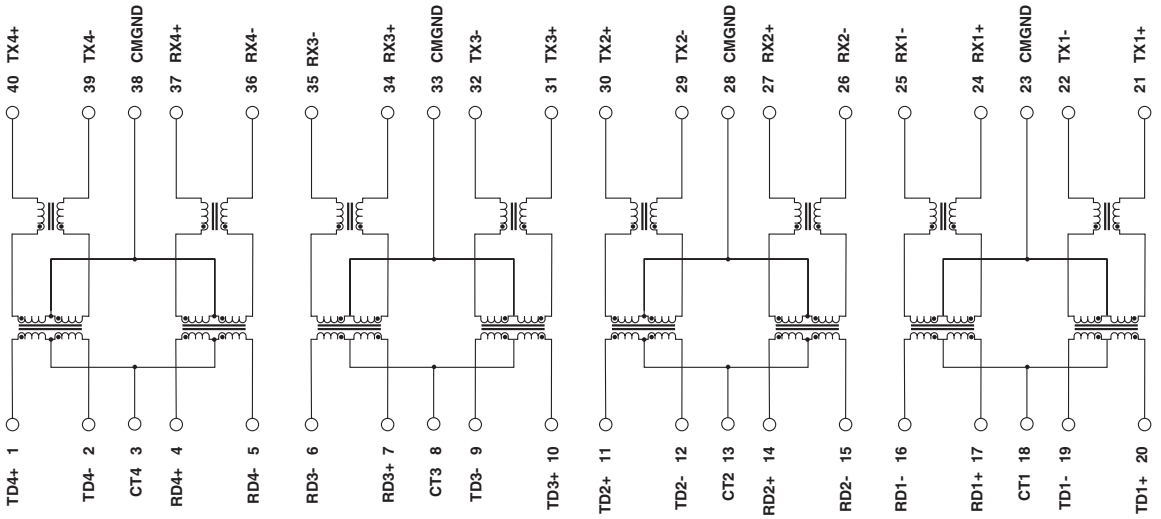
Schematic

H1164NL, HX1234NL



For More Information:

Americas - prodinfonetworkamericas@pulseelectronics.com | **Europe -** comms-Apps-Europe@pulseelectronics.com | **Asia -** prodinfonetworkapac@pulseelectronics.com