



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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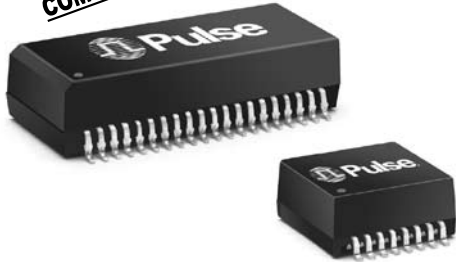
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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10/100BASE-TX TRANSFORMER MODULES

For Auto MDI/MDIX Applications



- Symmetrical TX and RX channels for Auto MDI/MDIX capability
- Approved for use with the Broadcom BCM5226 and Level One LXT9784
- Meets IEEE 802.3 specification

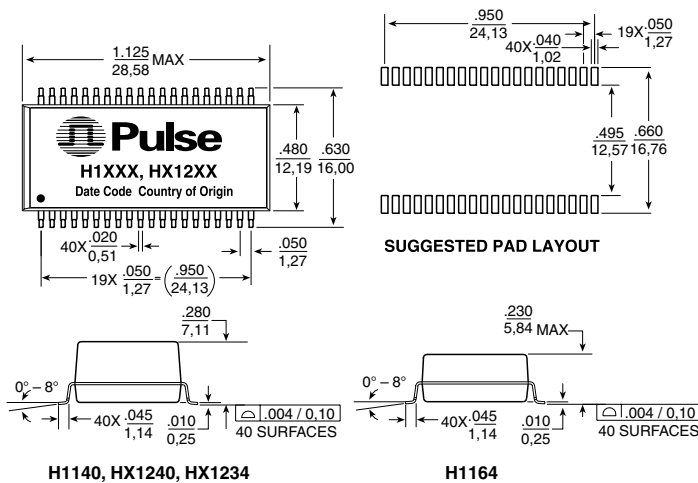
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

RoHS-6 ² Compliant Part Number	RoHS-5 ² Compliant Part Number	Insertion Loss (MAX)	Return Loss (dB MIN)				Crosstalk (dB MIN)				Differential to Common Mode Rejection (dB MIN)		Hipot (Vrms MIN)
			0.1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	1kHz	30MHz	60MHz	100MHz	1-60MHz	
H1140NL ^{3c}	H1140 ^{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}	H1164 ^{3d}	-1.0	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500
HX1234NL ^{1,3c}	HX1234 ^{1,3c}	-1.4	-18	-14.4	-13.1	-12	-55	-45	-40	-33	-37	-25	1500
—	HX1240 ^{3c}	-1.0	-16.5	-16	-15.5	-12	-60	-43	-38	-33	-43	-27	1500

1. Operating Temperature -40°C to +85°C
2. For Tape & Reel packaging, add a "T" suffix at the end of the part number when ordering, e.g. H1164T
3. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4

Mechanicals

H1140, H1164, HX1234, HX1240



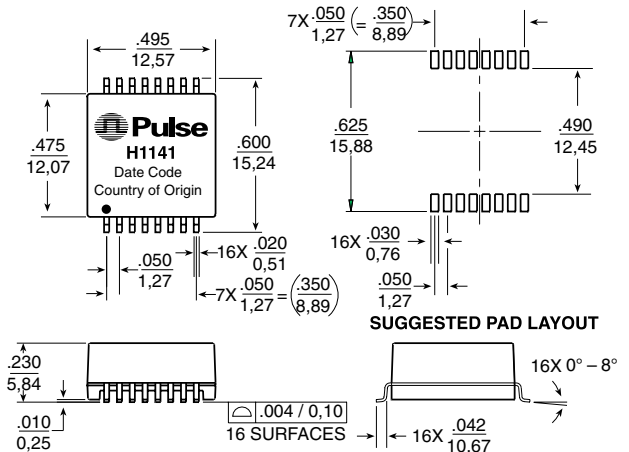
Weight 5.6 grams*
Tape & Reel 250/reel
Tube 15/tube

*H1164 = 4.4 grams

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

H1141



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

10/100BASE-TX TRANSFORMER MODULES

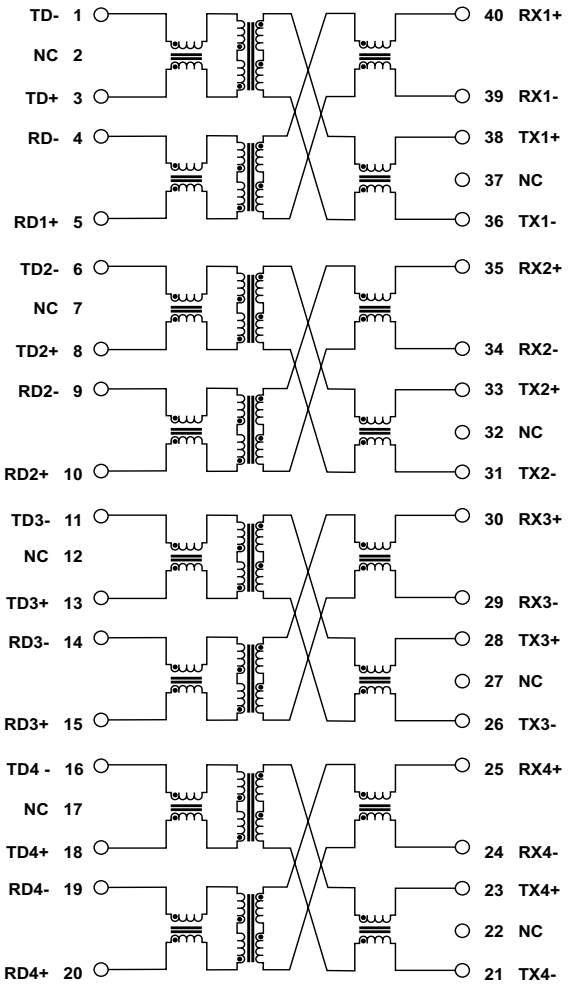
For Auto MDI/MDIX Applications



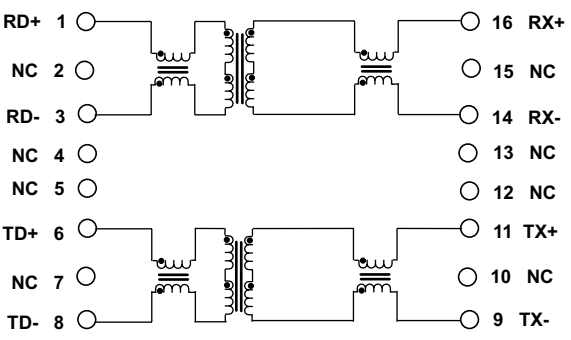
Pulse
A TECHNOLOGICAL COMPANY

Schematics

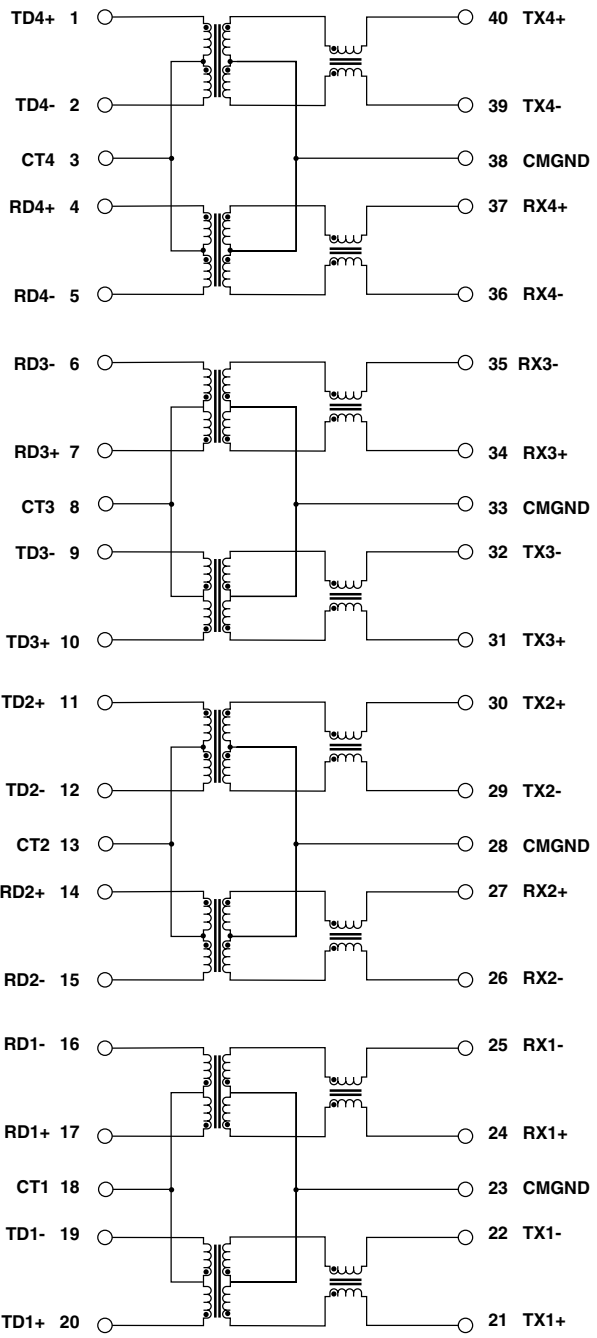
H1140, HX1240



H1141



H1164, HX1234



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