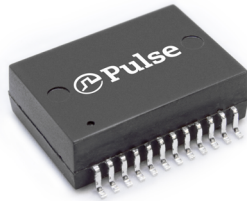


1000BASE-T Magnetics Module

Designed to Support 1:1 Turns Ratio Transceivers



- RoHS peak reflow temperature rating 245°C
- Meets IEEE 802.3 specification

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

RoHS Compliant Part Number ²	Number of Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms)
			1-100 MHz	1-30MHz	40 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz
H5004NL ^{3d}	1	1	-18	-18	-16	-12	-10	-43	-37	-33	-43	-37	-33	1500
HX5004NL ^{1,3d}	1	1	-18	-18	-16	-12	-10	-43	-37	-33	-43	-37	-33	1500
H5007NL ^{3d}	1	1	-18	-18	-16	-12	-10	-43	-37	-33	-43	-37	-33	1500

Notes:

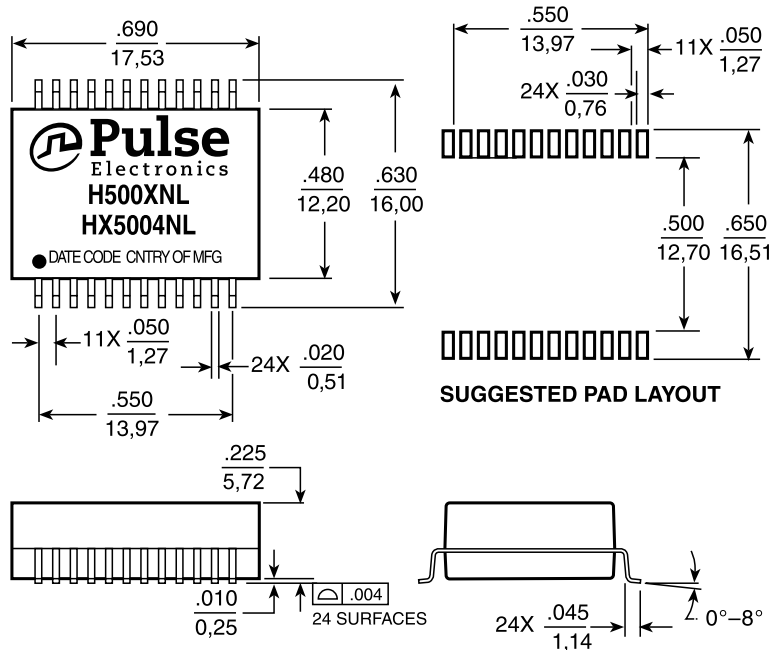
1. HX = extended temperature version -40°C to +85°C

2. For Tape & Reel packaging, add a "T" suffix at the end of the part number, e.g. H5007NLT.

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

Mechanical

H5004NL, HX5004NL, H5007NL



Weight 1.6 grams
Tape & Reel 300/Reel
Tube 25/Tube

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

Unless otherwise specified,
all tolerances are $\pm \frac{.010}{0.25}$

1000BASE-T Magnetics Module

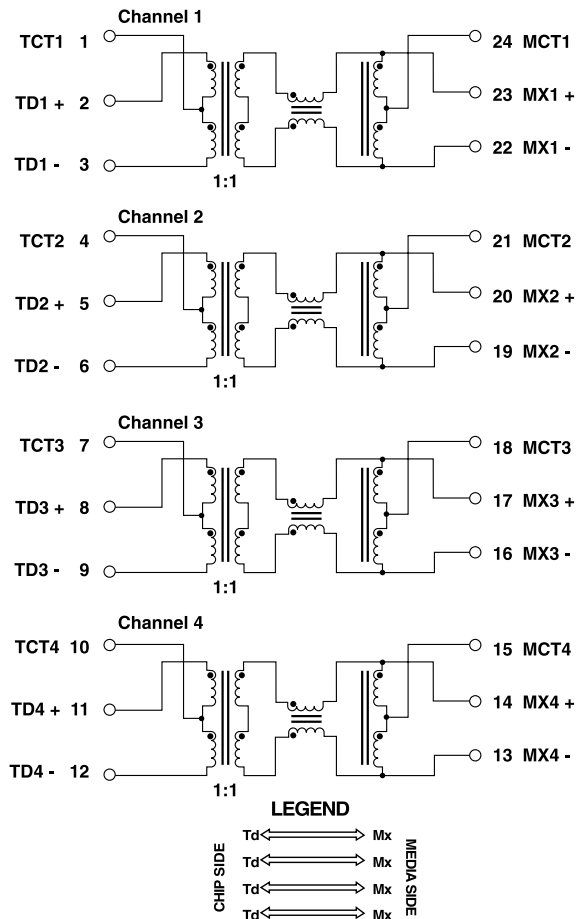
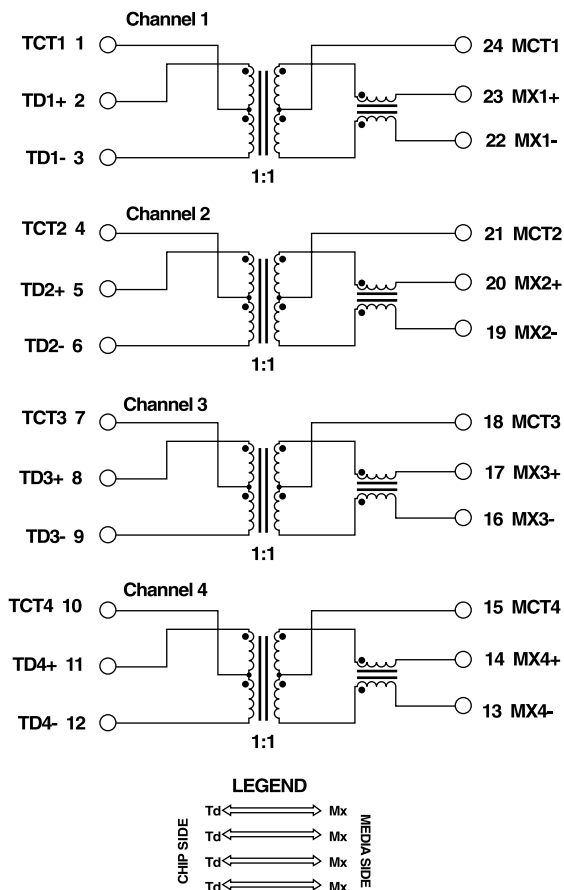
Designed to Support 1:1 Turns Ratio Transceivers

Schematics

H5004NL

HX5004NL

H5007NL



For More Information:

Americas - prodinfonetworkamericas@pulseelectronics.com | Europe - comms-apps-europe@pulseelectronics.com | Asia - prodinfonetworkapac@pulseelectronics.com

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