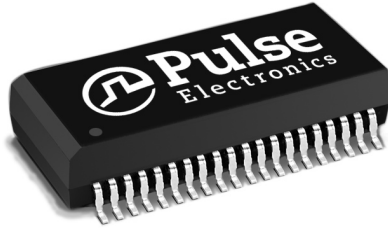


10/100Base-TX Quad Port Transformer Modules

For Use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratio



- RoHS peak reflow temperature rating: 245°C
- Meets IEEE 802.3 specification
- Models designed to support four single or double-stacked RJ-45 connectors

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

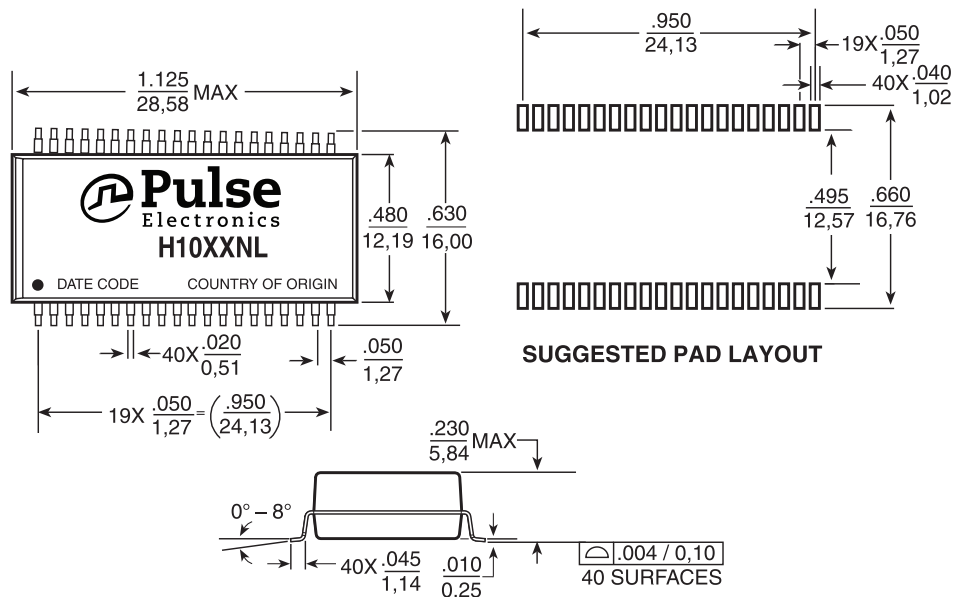
Part Number ¹	Insertion Loss (dB TYP)	Return Loss (dB TYP)					Crosstalk (dB TYP)				Common to Common Rejection Ratio 0.1-60 MHz (dB TYP)		Differential to Common Mode Rejection (dB TYP)	
	0.1-100 MHz	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz		TX	RX	1-60 MHz	60-200 MHz
H1036LNL ^{2d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35		-30	-30	-40	-30
H1044NL ^{2d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35		-30	-30	-40	-30
H1053NL ^{2d}	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30		-30	-30	-40	-30
H1060NL ^{2d}	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30		-30	-30	-40	-30
H1062NL ^{2d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35		-30	-30	-40	-30

1. For Tape & Reel packaging, add the suffix "T" to the end of the part number when ordering. e.g. H1044NLT.

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

Mechanicals

H10XXNL



Weight4.0 grams TYP
 Tube15/tube
 Tape & Reel250/reel

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm .10$
 $\frac{0.25}{0.25}$

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 Quad Port Transformer Modules

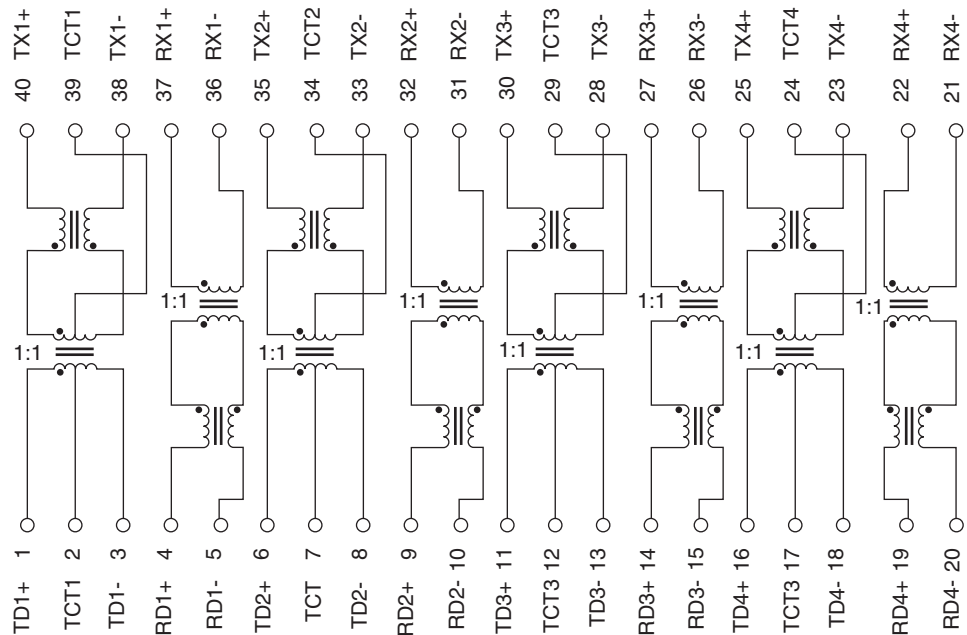
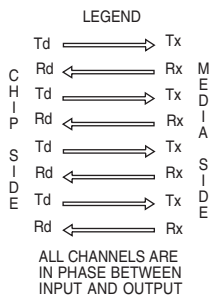
For Use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratio



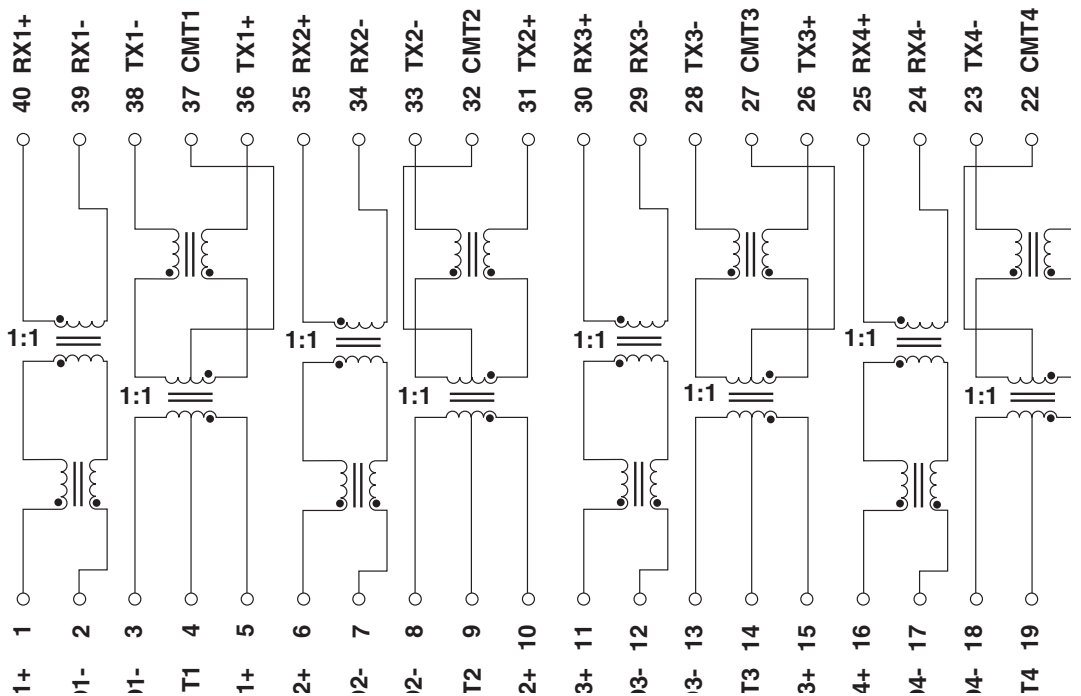
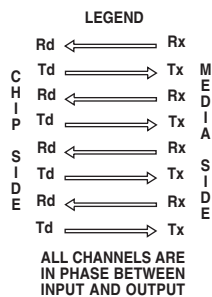
Quad-Port Solutions: These quad modules are designed to support four single or double stacked RJ-45 connectors. Each has a different pinout for optimization in layout with various IC manufacturers.

Schematics

H1036LNL

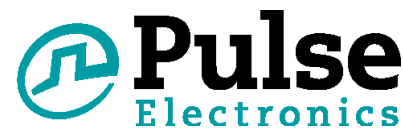


H1044NL



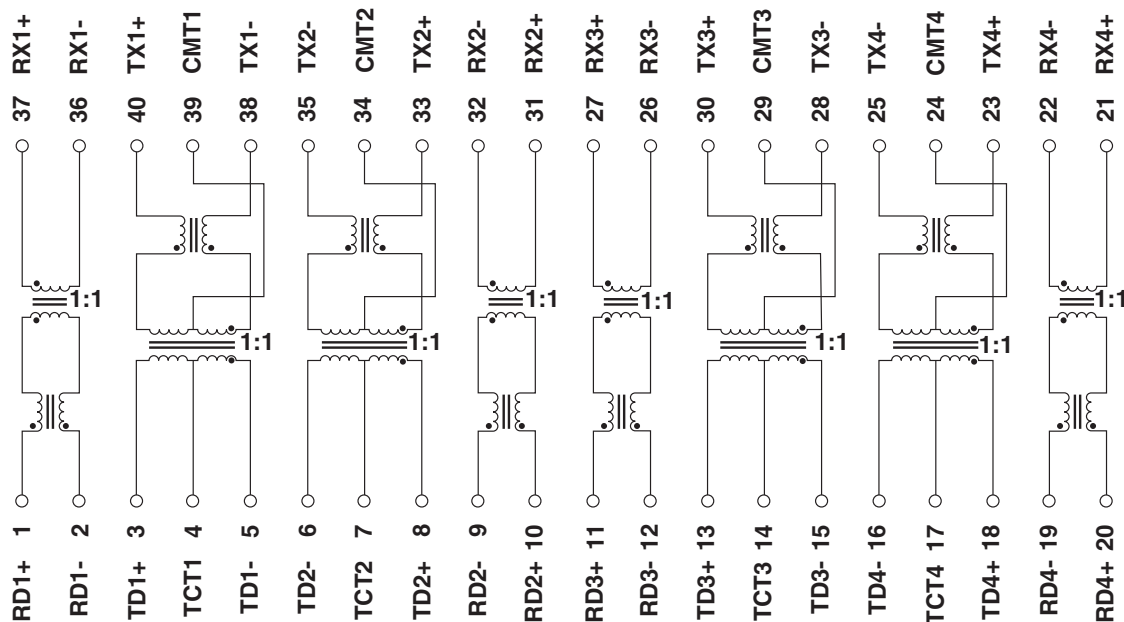
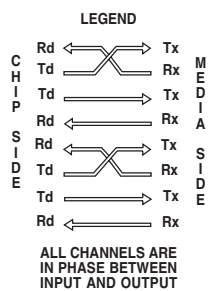
10/100Base-TX Quad Port Transformer Modules

For Use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratio

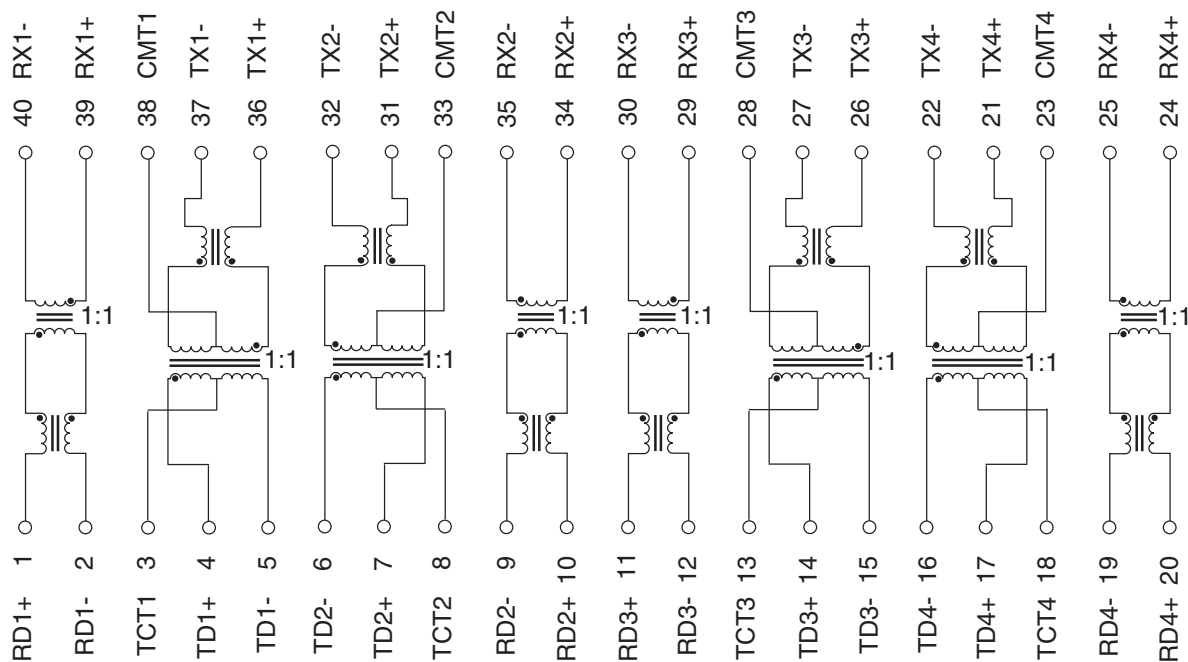
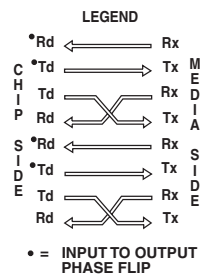


Schematics (continued)

H1053NL

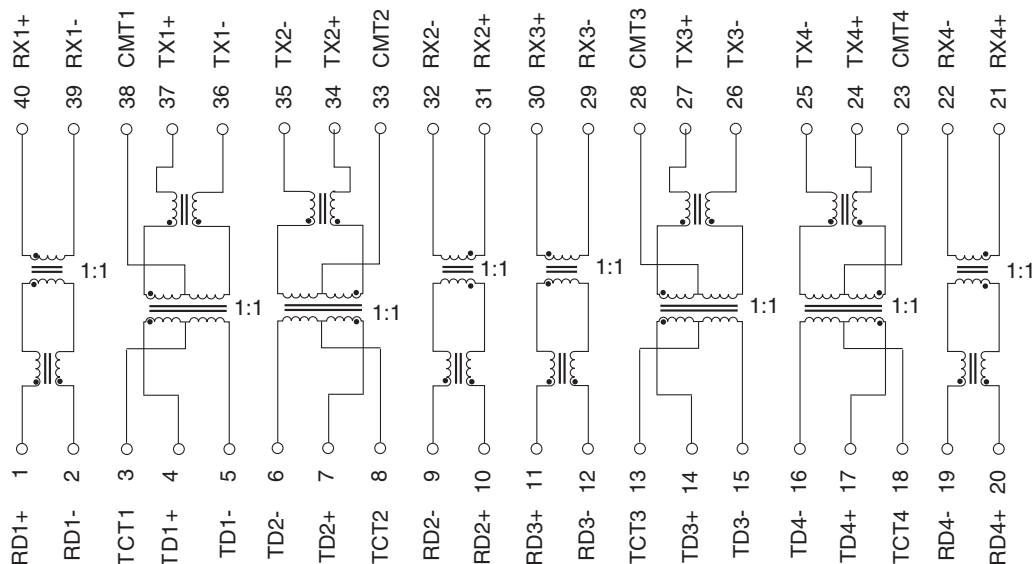
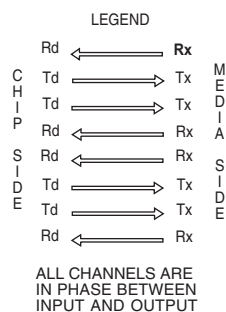


H1060NL



*For Use with Tranceivers Requiring 1:1
Transmit and Receive Turns Ratio*

H1062NL



Technical drawing of a mechanical part, likely a bracket or flange, showing dimensions in inches and millimeters.

Top View Dimensions:

- Overall width: 1.57 in / 39.9 mm
- Overall height: 1.75 in / 44.27 mm
- Distance from top edge to center of mounting holes: 0.079 in / 2.01 mm
- Distance between mounting holes: 0.795 in / 20.19 mm
- Distance from center of mounting holes to center of main body: 1.59 in / 40.39 mm
- Distance from center of main body to right edge: 1.73 in / 43.94 mm
- Radius of main body: 0.12 in / 3.05 mm
- Radius of mounting holes: 0.059 in / 1.50 mm
- Radius of main body: 0.004 in / 0.10 mm
- Radius of main body: 0.000 in / 0.00 mm

Side View Dimensions:

- Overall height: 1.13 in / 28.70 mm
- Distance from top edge to center of mounting holes: 0.230 in / 5.84 mm
- Distance from center of mounting holes to center of main body: 0.270 in / 6.86 mm

Other Features:

- 5" MAX. DRAFT ANGLE

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