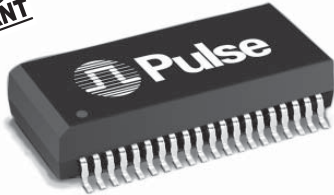


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



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

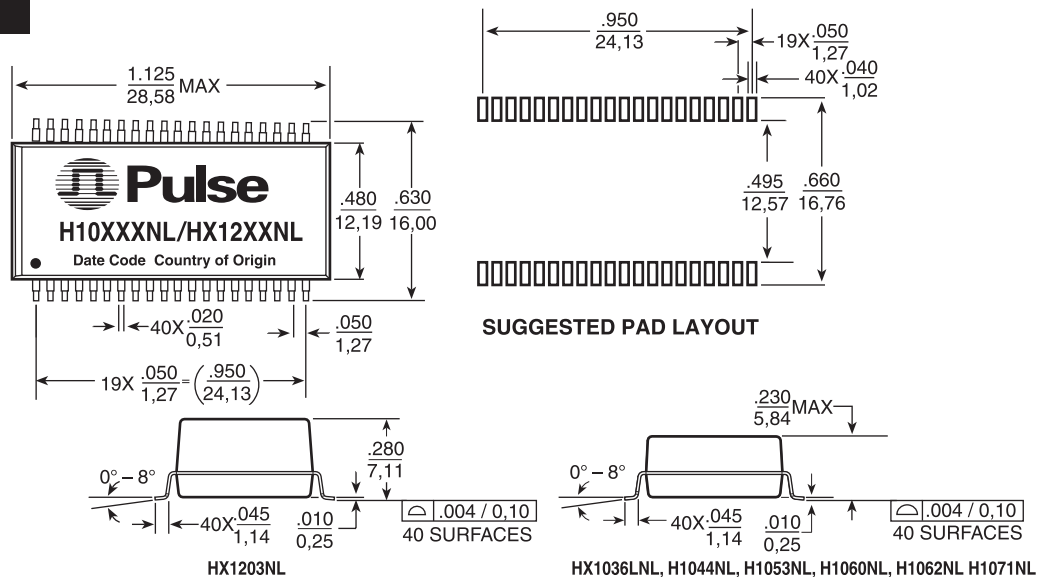
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

RoHS Compliant Part Number ²	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 ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1044NL ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1053NL ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1060NL ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1062NL ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1071NL ^{3d}	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
HX1203NL ^{1, 3d}	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30

- Operating temperature -40° to +85°C.
- For Tape & Reel packaging, add the suffix "T" to the end of the part number when ordering. e.g. H1044NLT.
- MSL = Moisture Sensitivity Level a = 1, b = 2, c = 3, d = 4.

Mechanical

H1036NL



Weight 4.0 grams TYP
 Tube 15/tube
 Tape & Reel 250/reel

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm .010$ / 0.25

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

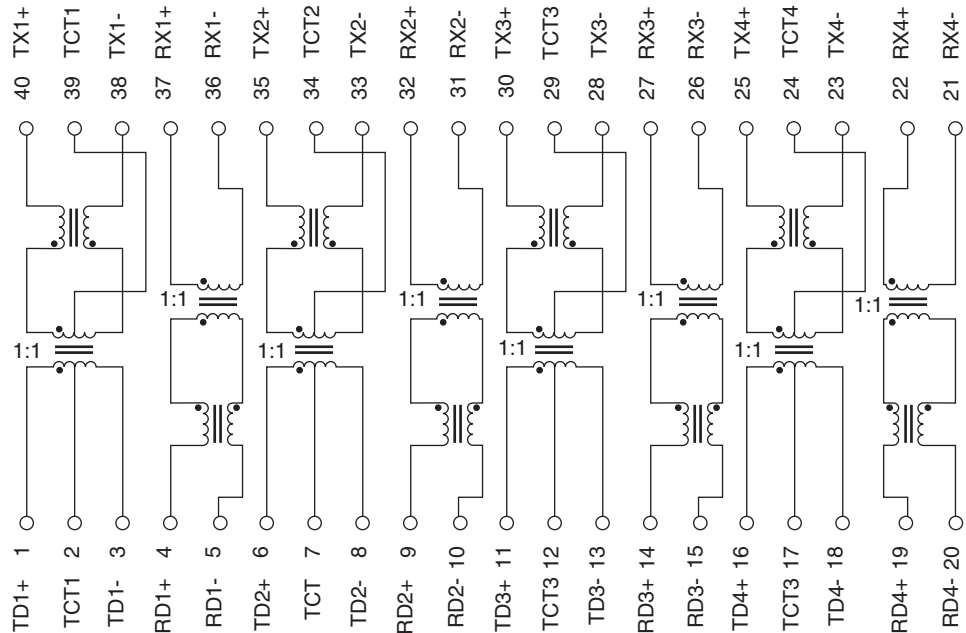
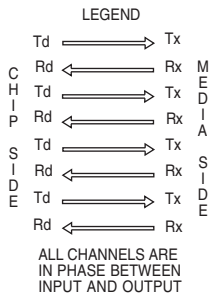


For Use with Transceivers Requiring 1:1 Transmit and Receive Turns Ratios

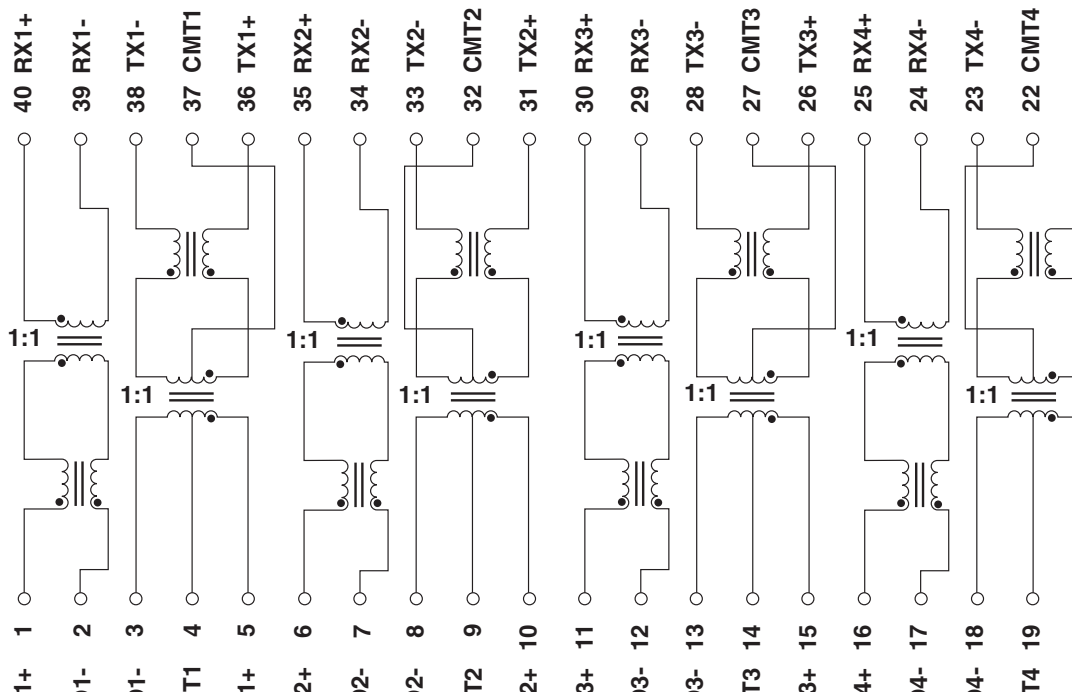
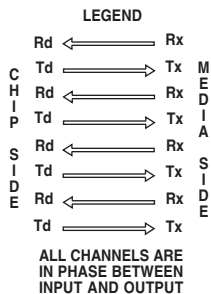
Quad-Port Solutions: The H1036L, H1044, H1053, H1060, H1062, and H1071NL are quad modules designed to support four single or double stacked RJ-45 connectors. Each has a different pinout for optimization in layout with various IC manufacturers.

Schematics

H1036LNL



H1044NL



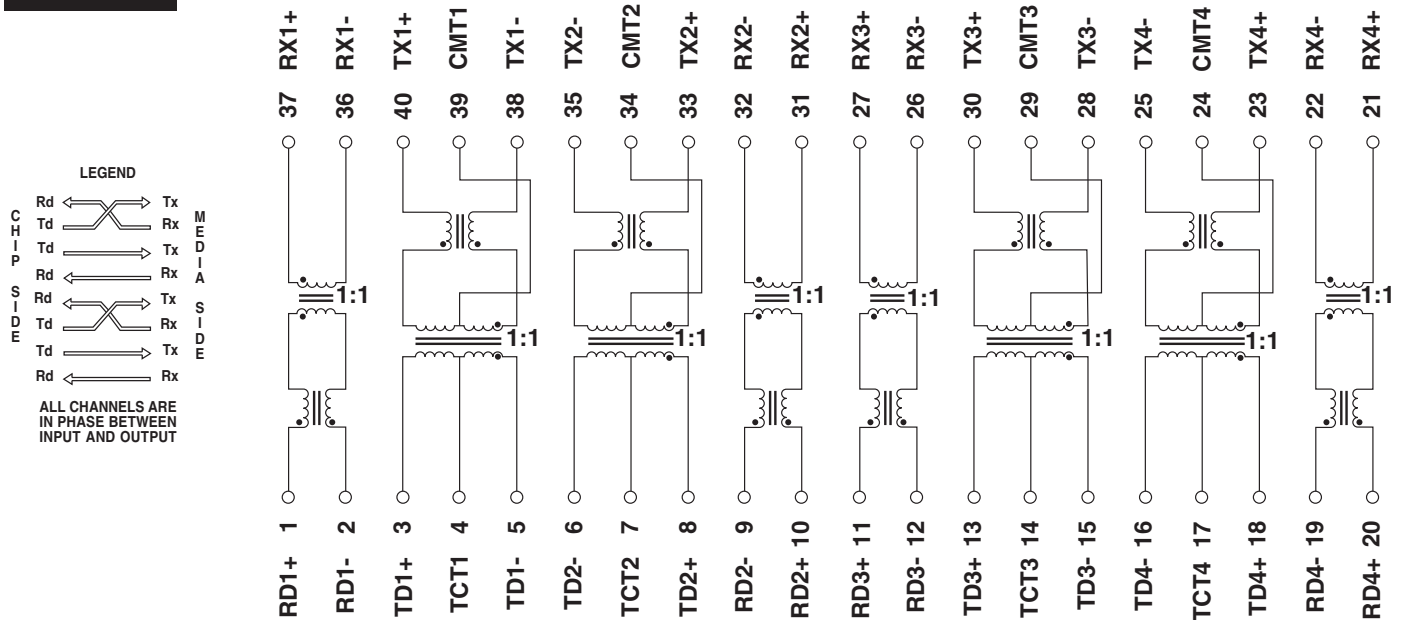
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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

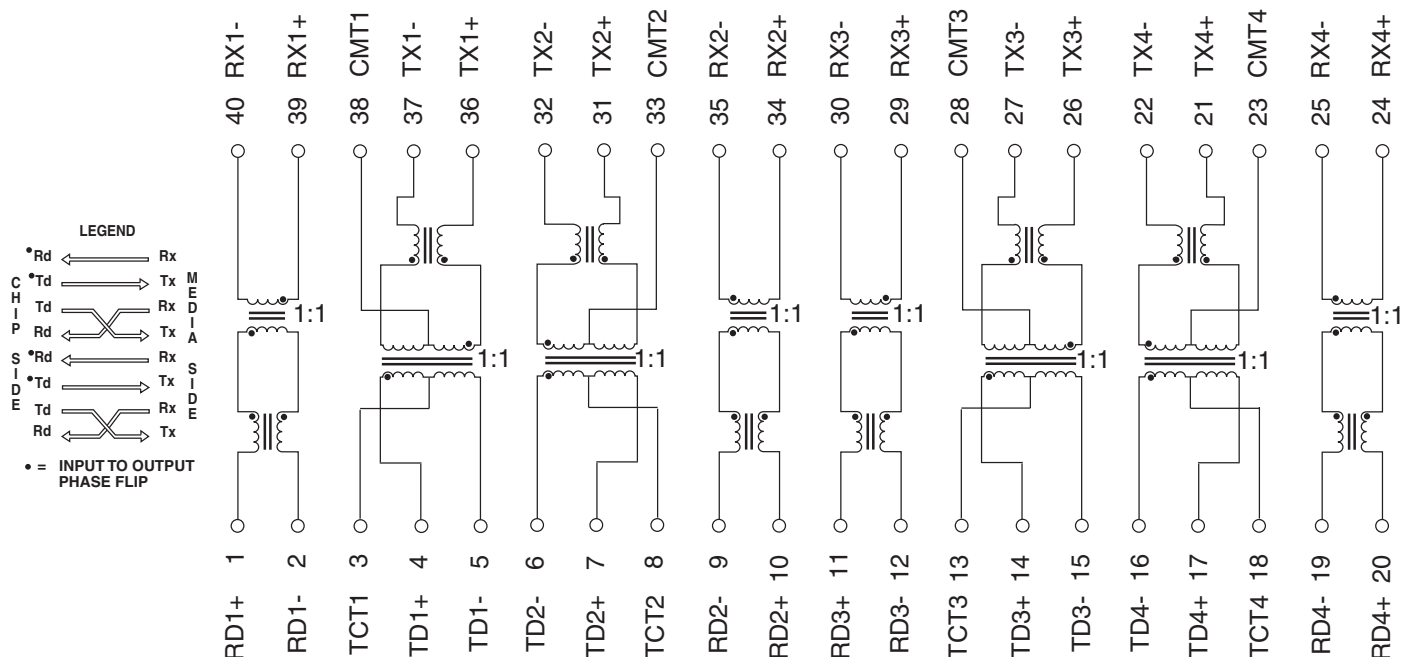


Schematics

H1053NL



H1060NL



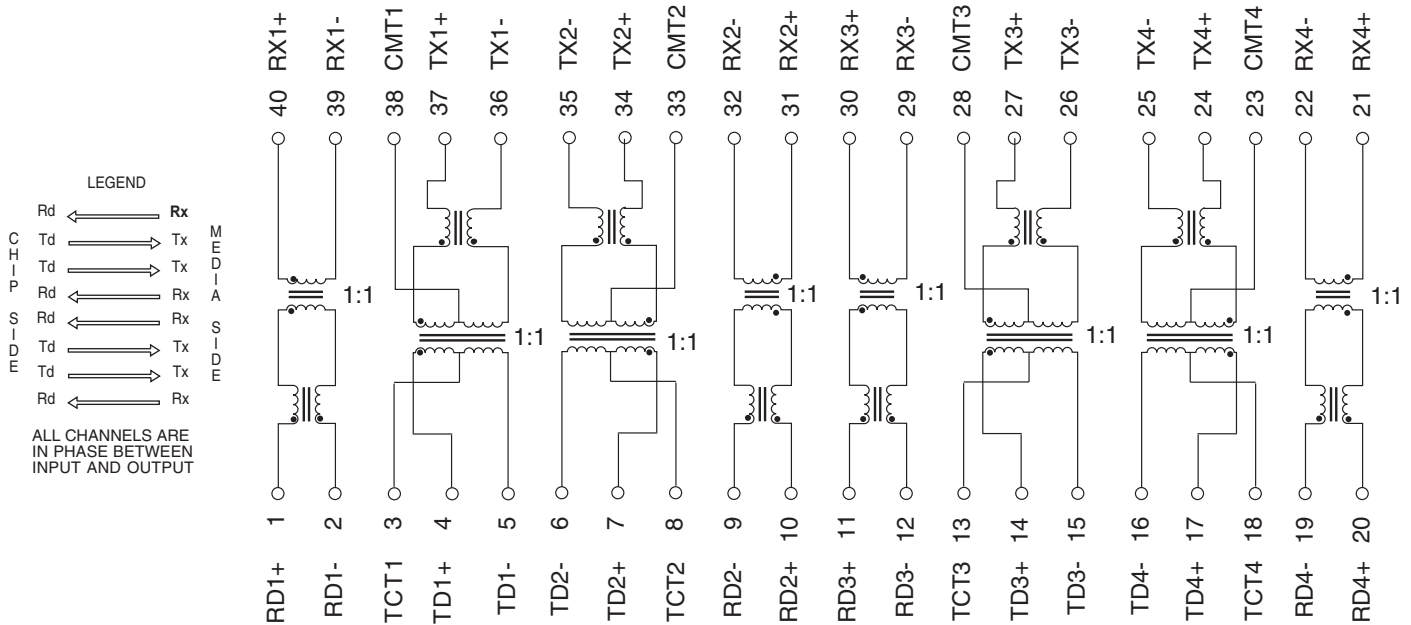
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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

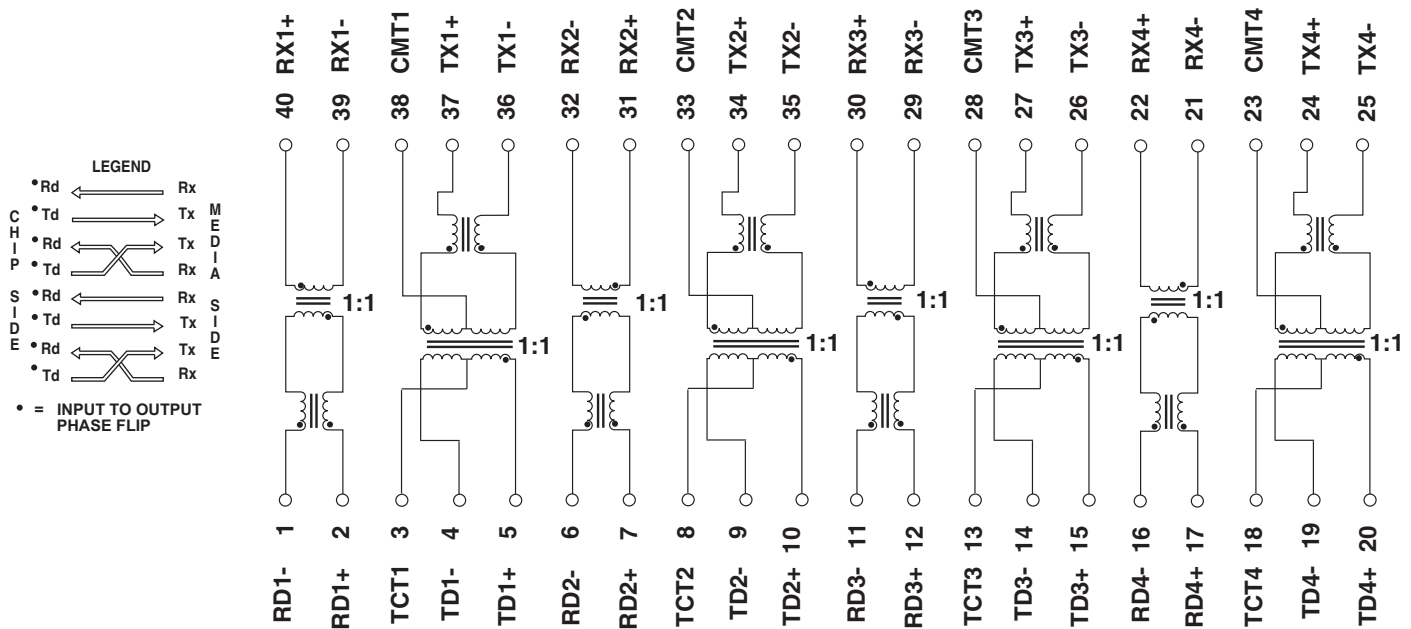


Schematics

H1062NL, HX1203NL



H1071NL

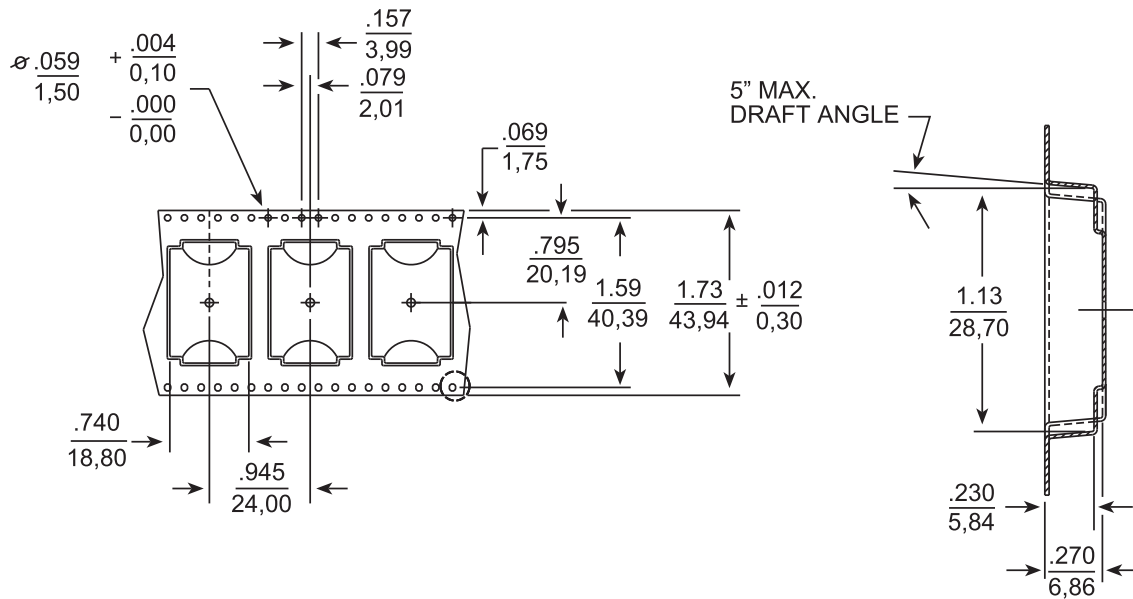


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



Tape & Reel Specifications



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