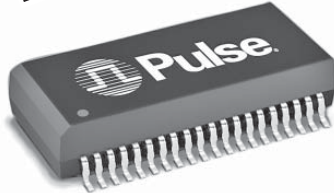


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

For Use with Level One's LXT974, LXT975 and LXT980 Series of PHY Solutions



-  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

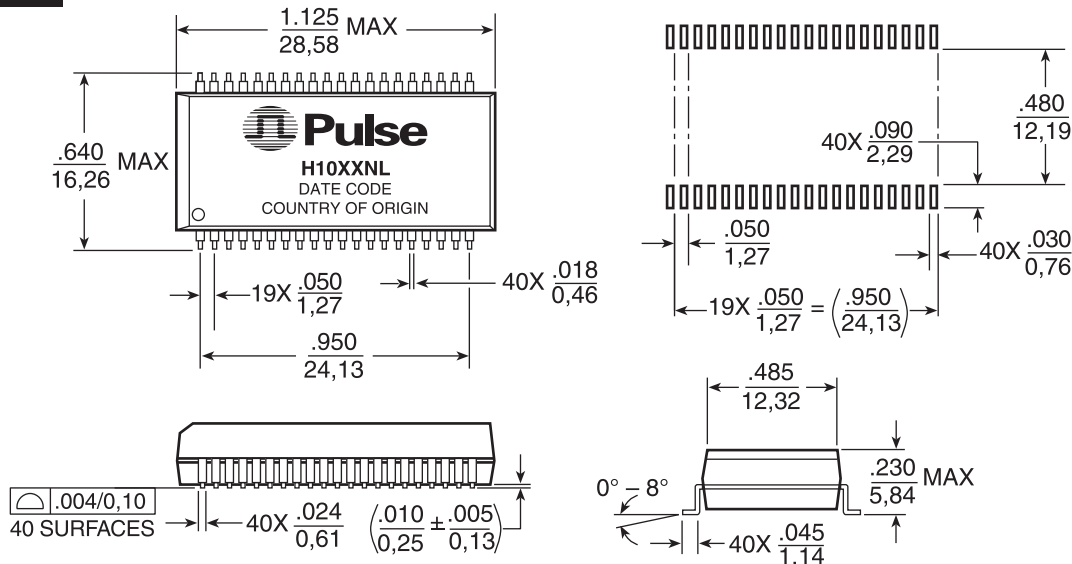
Part Number ³	Insertion Loss (dB TYP)	Return Loss (dB TYP)				Crosstalk (dB TYP)				Common to Common Rejection Ratio 0.1-60 MHz (dB MIN)		Differential to Common Mode Rejection (dB MIN)	
	0.1-100 MHz	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	Transmit	Receive	1-60 MHz	60-200 MHz
H1068NL ^{2d}	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-40	-30
H1069NL ^{2d}	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-40	-30
H1074NL ^{2d}	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-30	-30	-30	-40	-30

1. All products meet input/output breakdown (HiPot) of 1500 Vrms.
2. MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4

3. When ordering Tape & Reel packaging, add a "T" suffix to the end of the part number, e.g. H1068NLT

Mechanical

H10XXNL



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

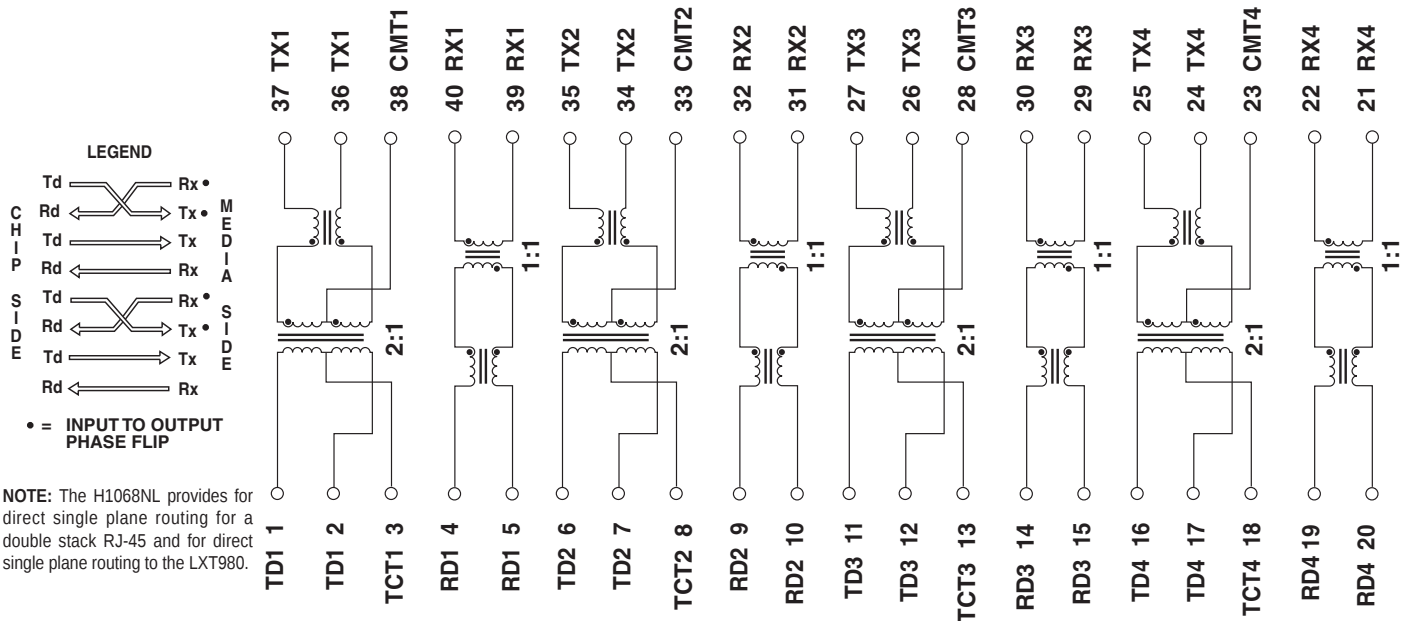
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

For Use with Level One's LXT974, LXT975 and LXT980 Series of PHY Solutions

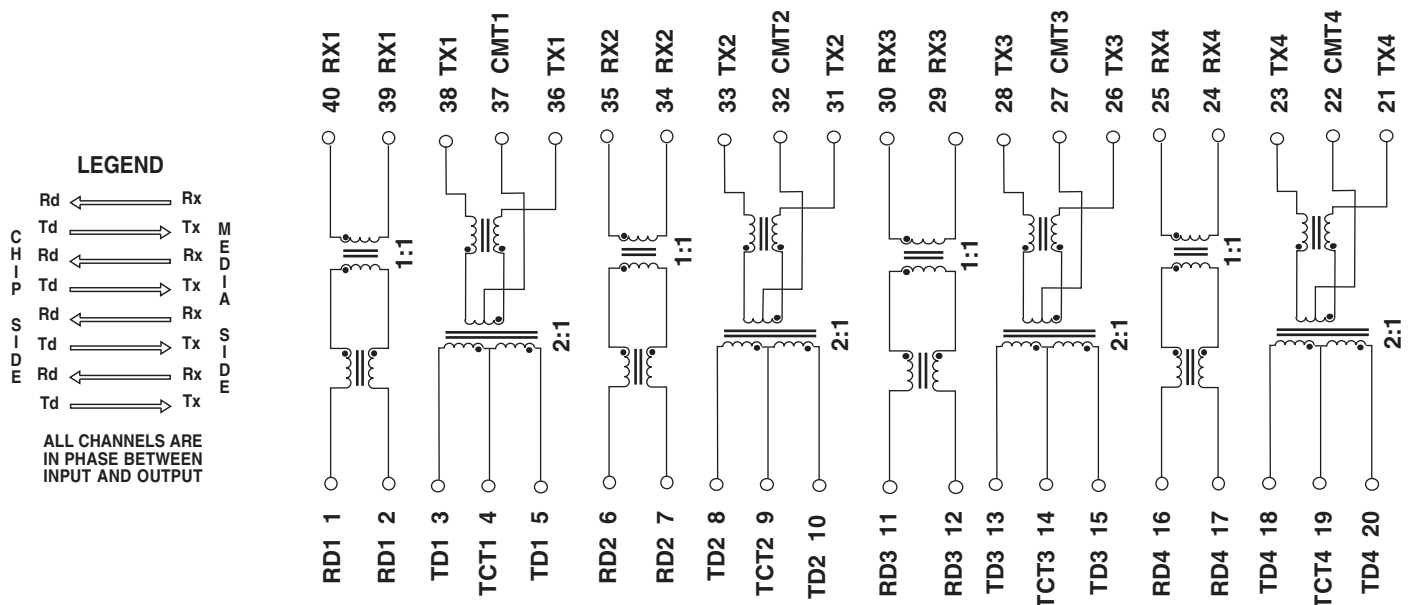


Schematics

H1068NL



H1069NL



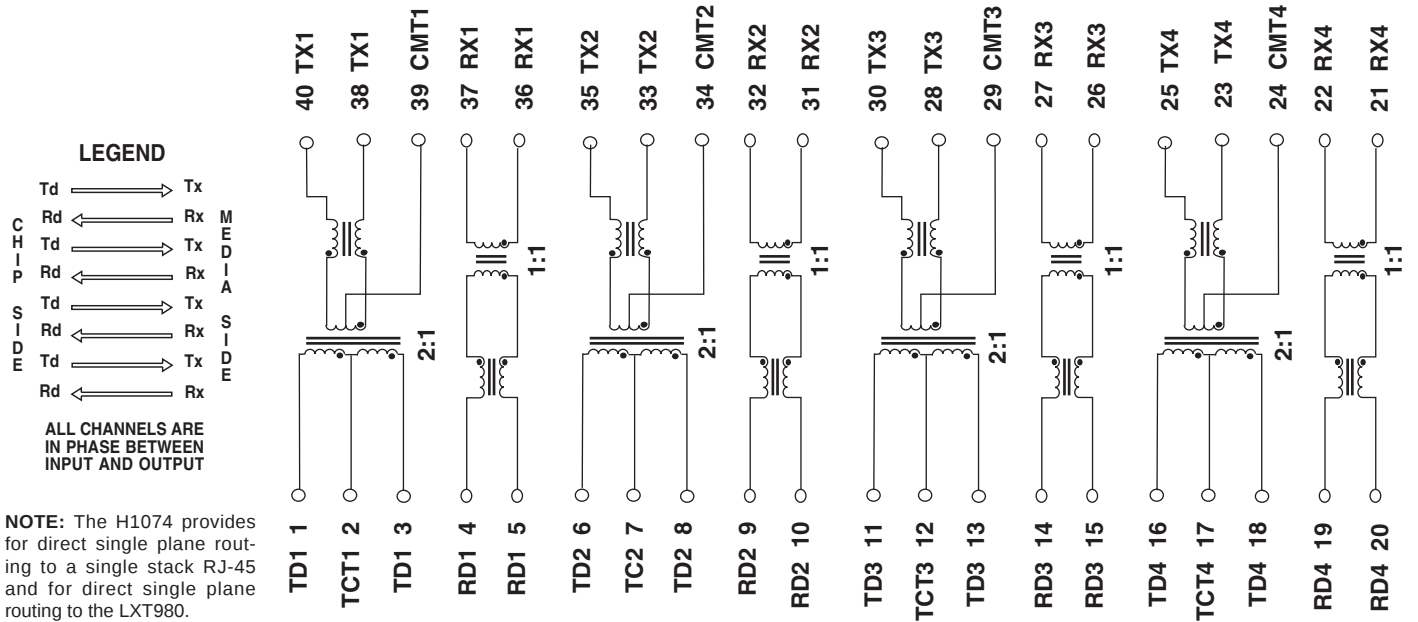
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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Schematic

H1074NL

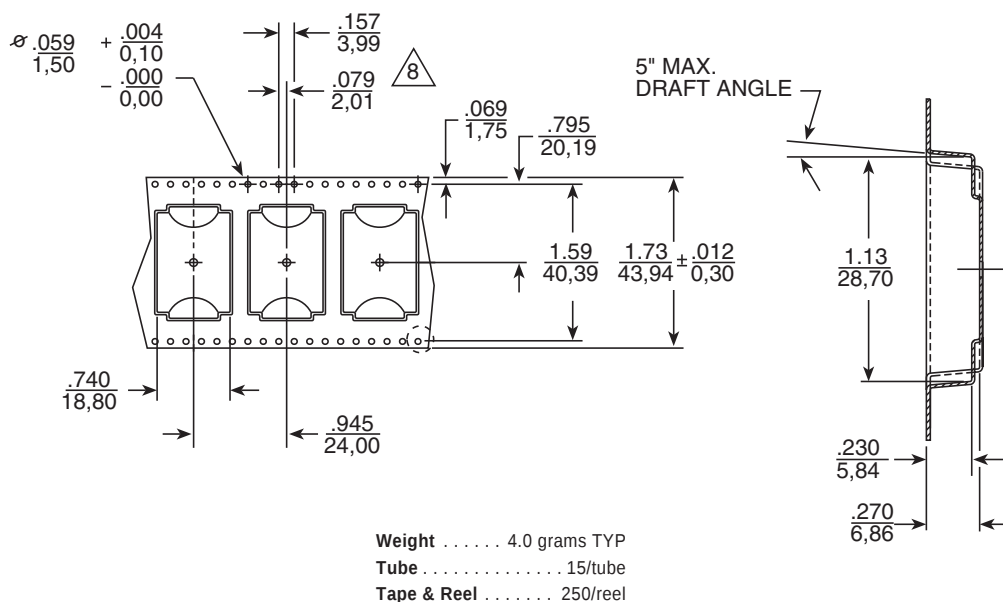


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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Tape and Reel Specifications



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