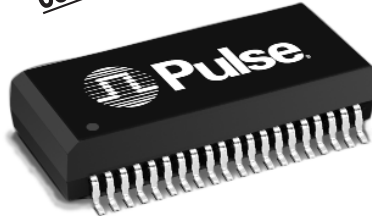


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



- RoHS-6 peak reflow temperature rating: 245°C
- RoHS-5 peak reflow temperature rating: 235°C
- Meets IEEE 802.3 specification
- Models designed to support four single- or double-stacked RJ-45 connectors

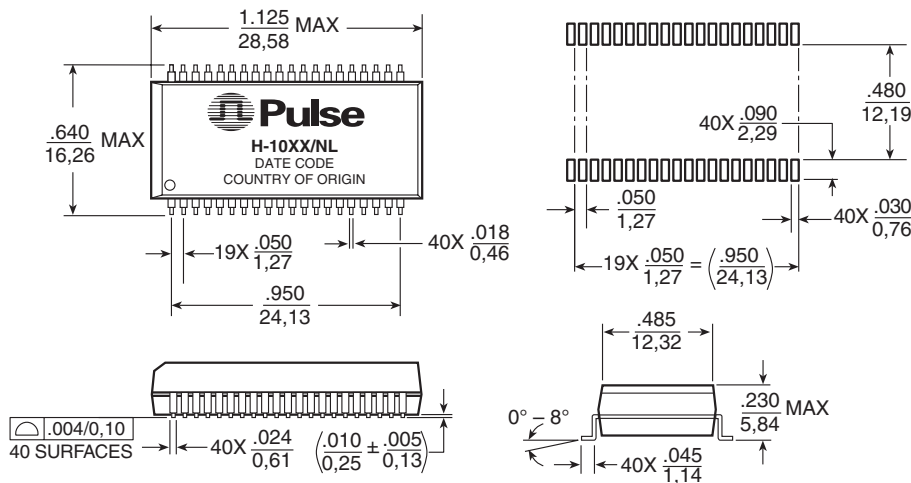
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

RoHS-6 ⁵ Compliant Part Number	RoHS-5 ⁴ Compliant Part Number	Insertion Loss (dB TYP)	Return Loss (dB TYP)					Crosstalk (dB MIN)				Common to Common Rejection Ratio 0.1-60MHz (dB MIN)		Differential to Common Mode Rejection (dB MIN)	
			0.1-100MHz	2-30MHz	40MHz	50MHz	60-80MHz	1MHz	30MHz	60MHz	100MHz	Transmit	Receive	1-60MHz	60-200MHz
H1068NL ^{3d}	—	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-30	-40	-30
H1069NL ^{3d}	H1069	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-30	-40	-30
H1074NL ^{3d}	H1074	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-30	-30	-30	-30	-40	-30

- All product meets input/output breakdown (HiPot) of 1500 Vrms.
- For Tape & Reel packaging, add suffix "T" to the end of the part number e. g. H1069T
- MSL=Moisture Sensitivity Level a=1 b=2 c=3 d=4
- RoHS-5: Product does not contain 5 out of the 6 banned substances specified in the RoHS directive (product contains lead in applications considered solder).
- RoHS-6: Product does not contain 5 out of the 6 banned substances specified in the RoHS directive. Some internal connections may contain lead in high-temperature solder (solder alloys containing more than 85% lead).

Mechanical

H10XX/NL



Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm .010$ / $0,25$

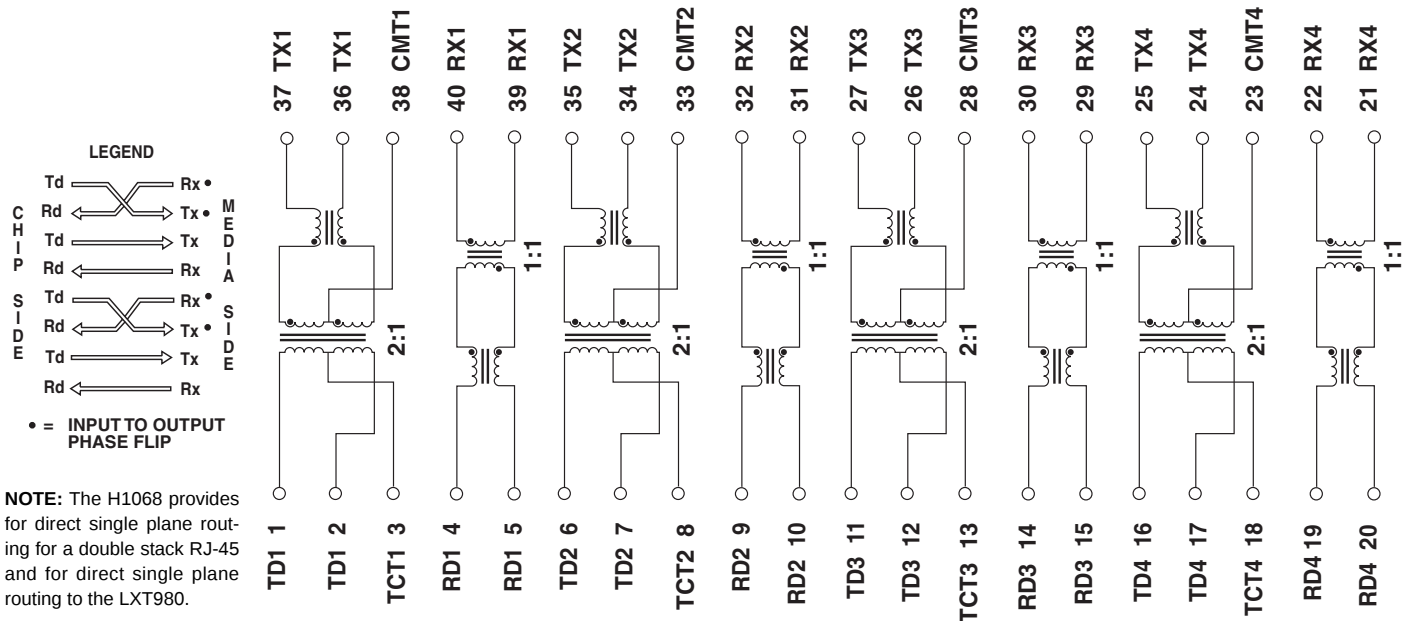
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

For Use with Level One's LXT974, LXT975
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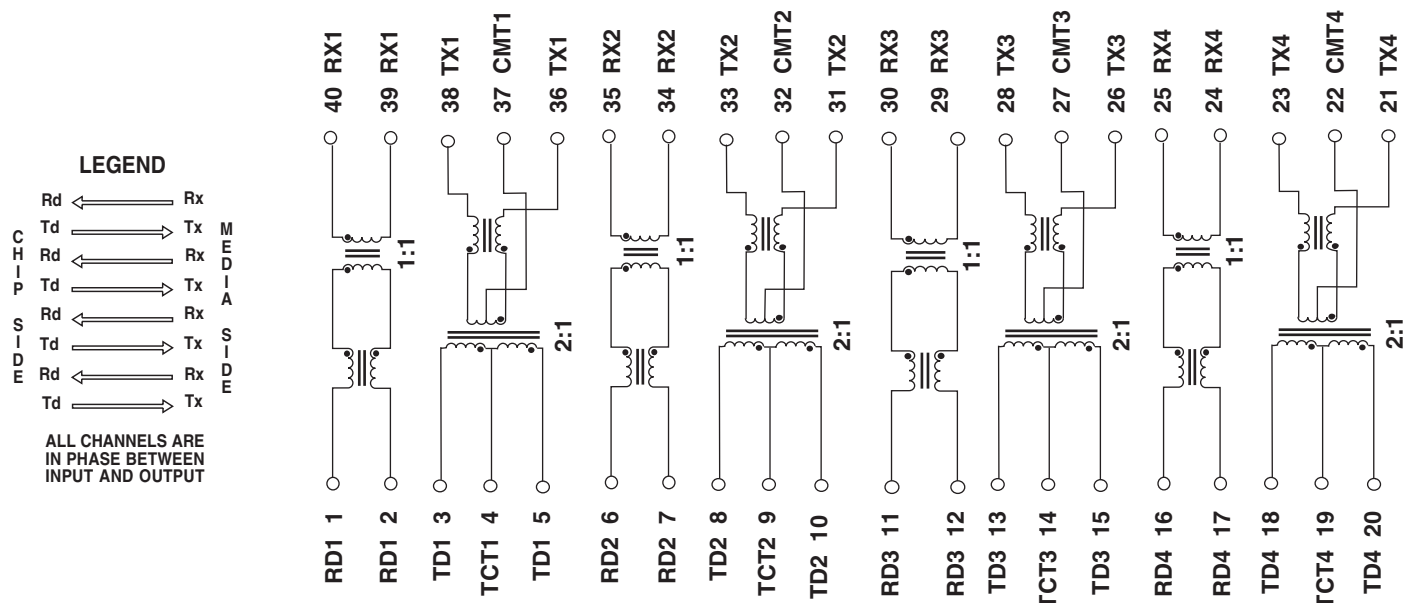


Schematics

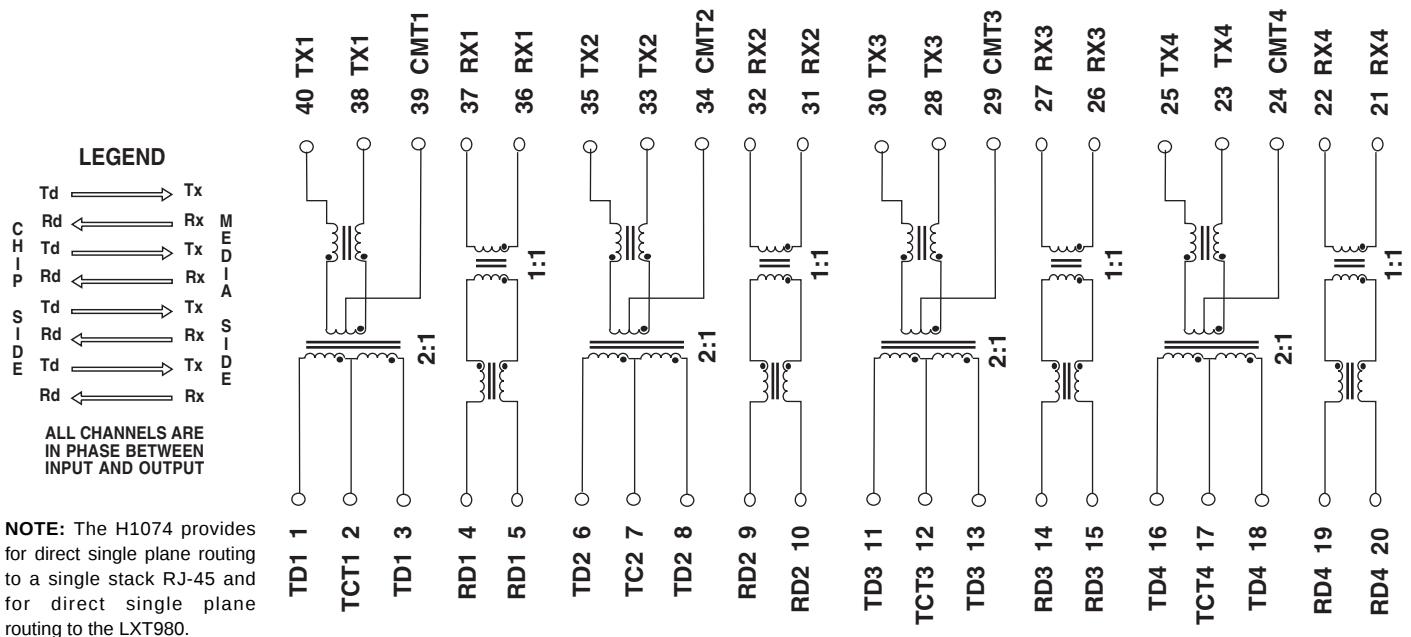
H1068NL



H1069/NL



Pulse
A TECHNITROL COMPANY

H1074/NL

NOTE: The H1074 provides for direct single plane routing to a single stack RJ-45 and for direct single plane routing to the LXT980.

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

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



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