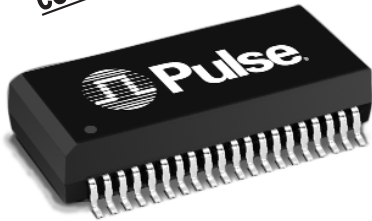


10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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

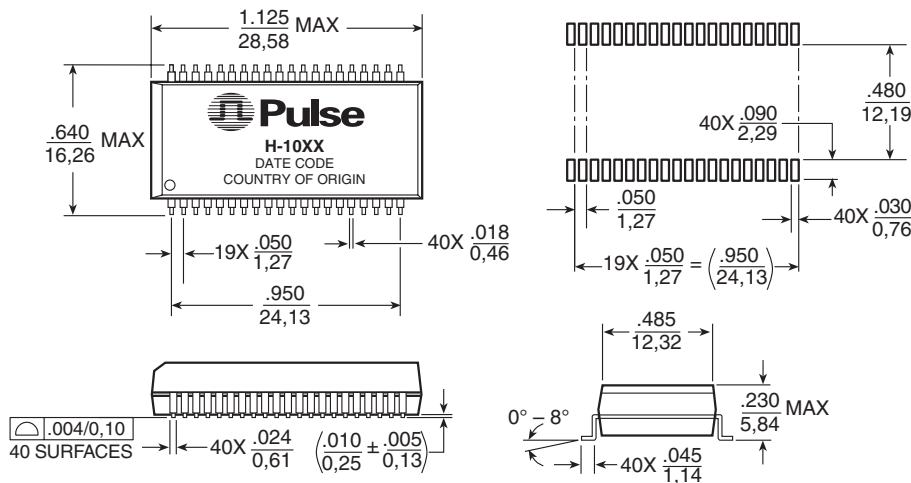
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

RoHS-5 ⁴ Compliant Part Number	RoHS-6 ⁵ 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
H1068	H1068NL ^{3d}	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-30	-40	-30
H1069	H1069NL ^{3d}	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-30	-40	-30
H1074	H1074NL ^{3d}	-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



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

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

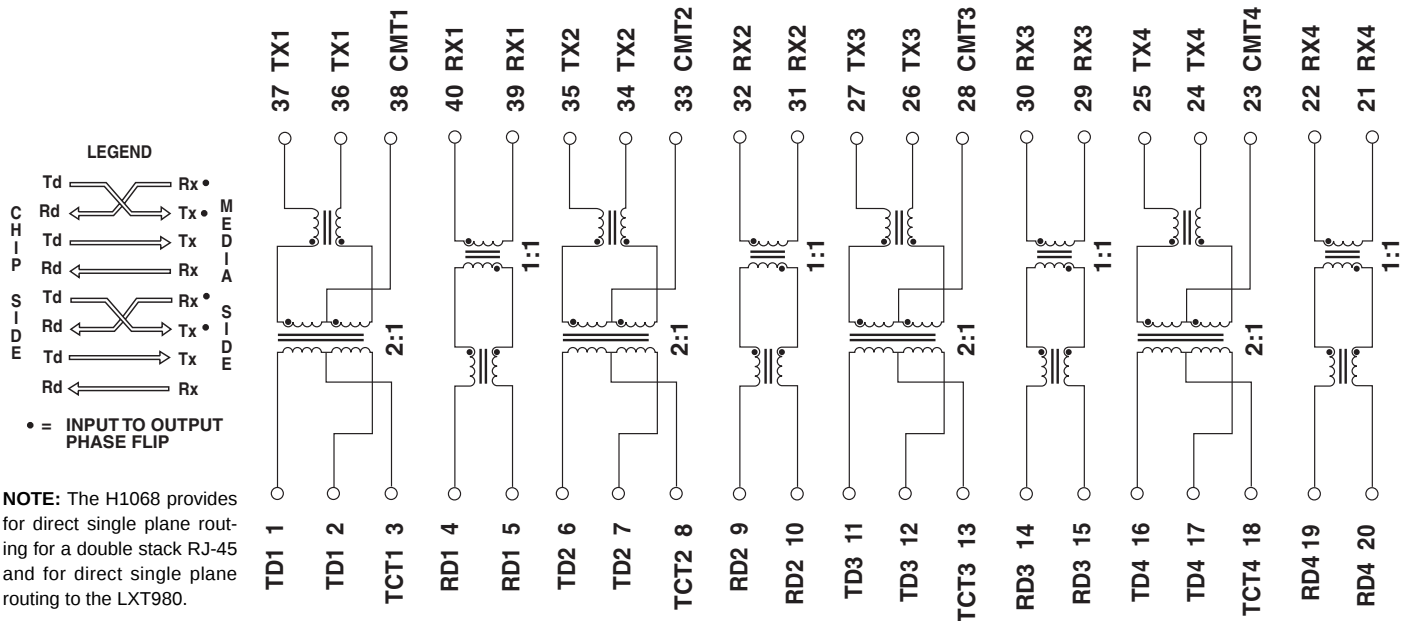
For Use with Level One's LXT974, LXT975 and LXT980 Series of PHY Solutions



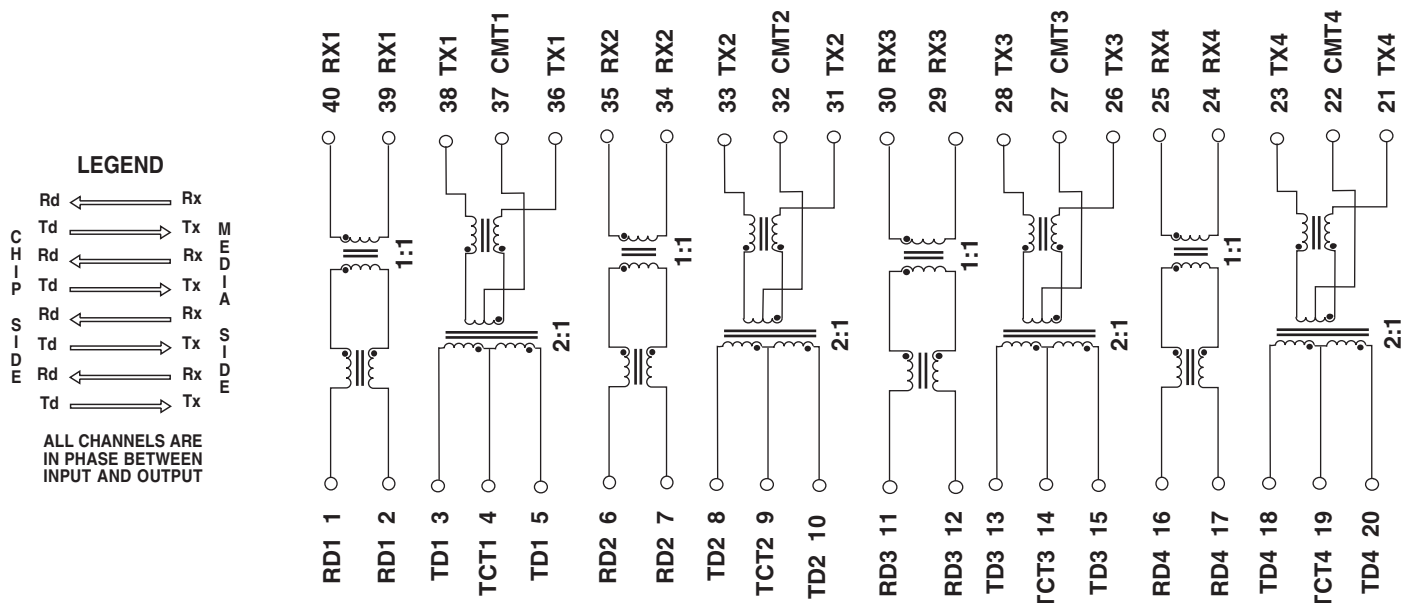
Pulse
A TECHNITROL COMPANY

Schematics

H1068



H1069



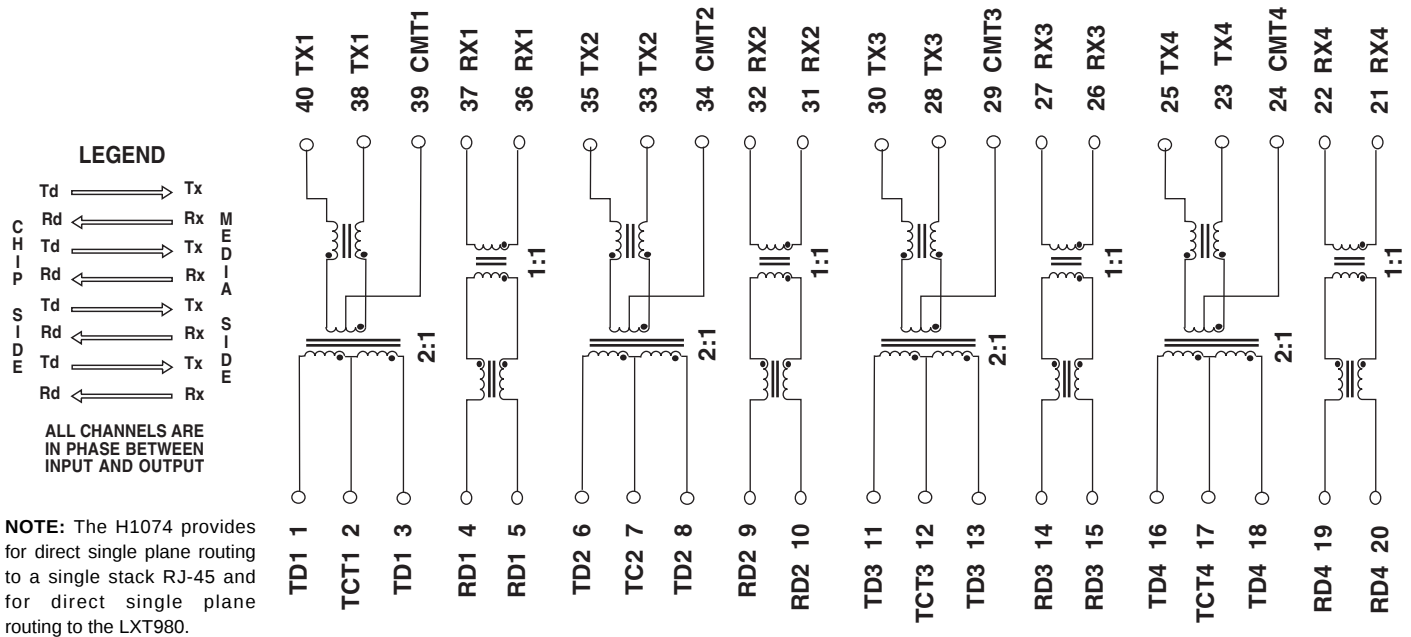
10/100BASE-TX QUAD PORT TRANSFORMER MODULES

For Use with Level One's LXT974, LXT975
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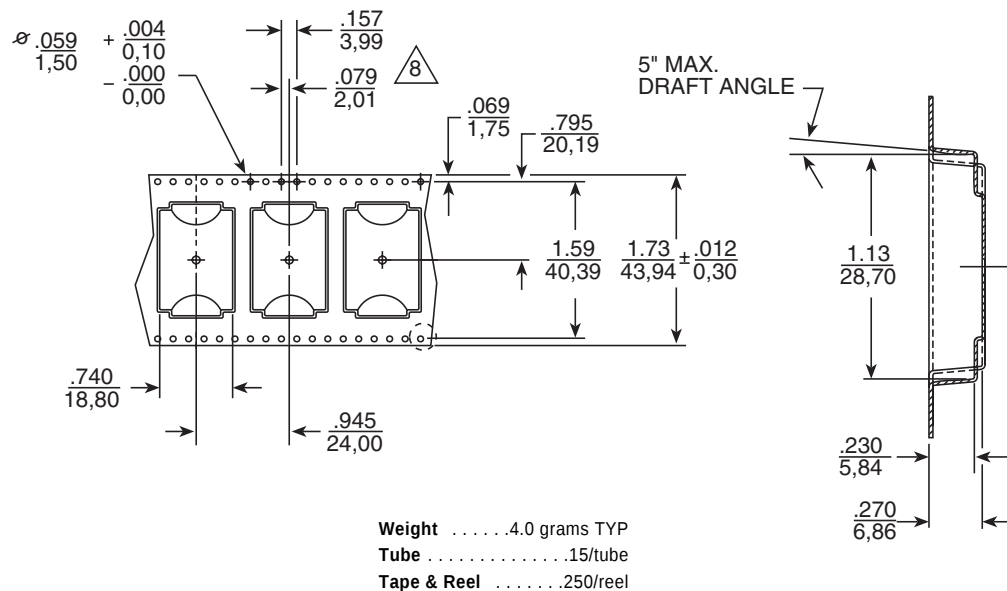


Schematic

H1074



Tape and Reel Specifications



10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



For More Information:

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