

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



- Patented interlock base design for high reliability
- Compliant with IEEE 802.3u and ANSI X3.263 standards including 350 μ H OCL with 8 mA bias from 0°C to 70°C
- Designed for optimal single and double stacked RJ-45 layouts
- IC grade, transfer-molded package withstands 235°C peak temperature profile

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

Part Number	Insertion Loss (dB TYP)	Return Loss (dB TYP)				Crosstalk (dB MIN)				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
H1068	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-40	-30
H1069	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-40	-30
H1074	-0.5	-21	-17	-14.5	-12	-60	-50	-40	-35	-30	-30	-40	-30

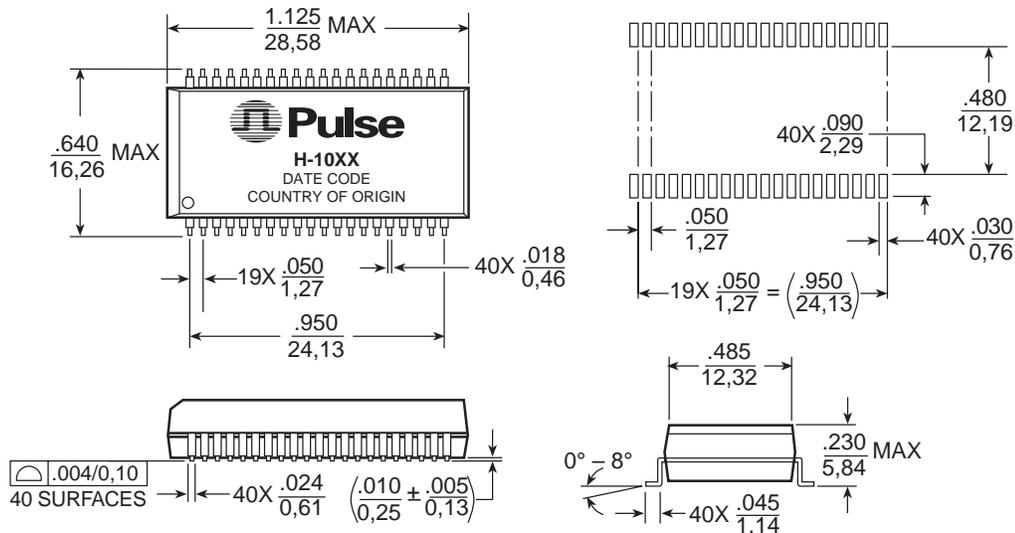
NOTES:

1. All product meets input/output breakdown (HiPot) of 1500 Vrms.
2. Transfer molding material is UL-94V0 flammability rated.

U.S. Patent No. 5,015,981

Mechanical

H10XX



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

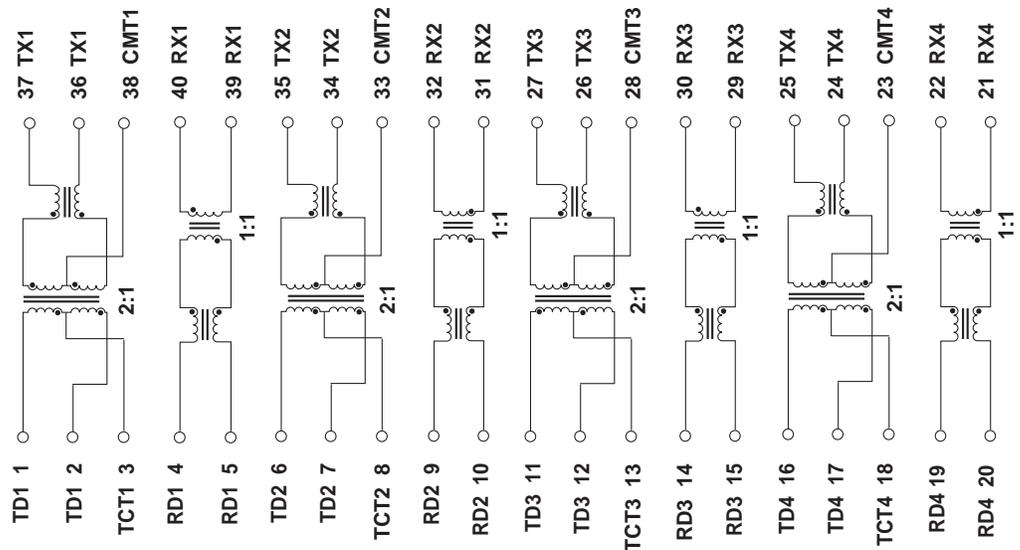
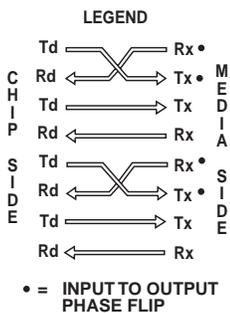
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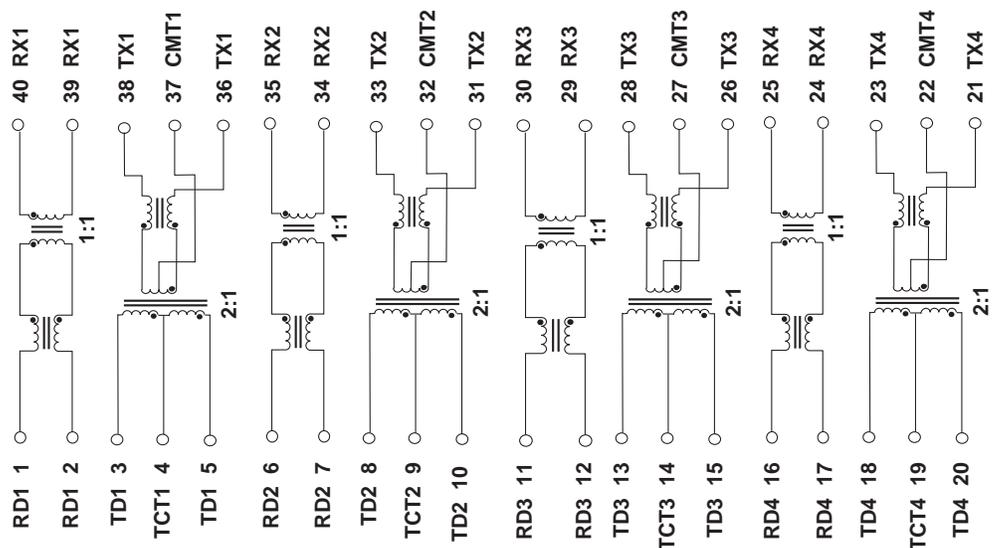
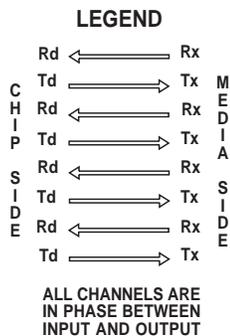
Schematics

H1068



NOTE: The H1068 provides for direct single plane routing for a double stack RJ-45 and for direct single plane routing to the LXT980.

H1069



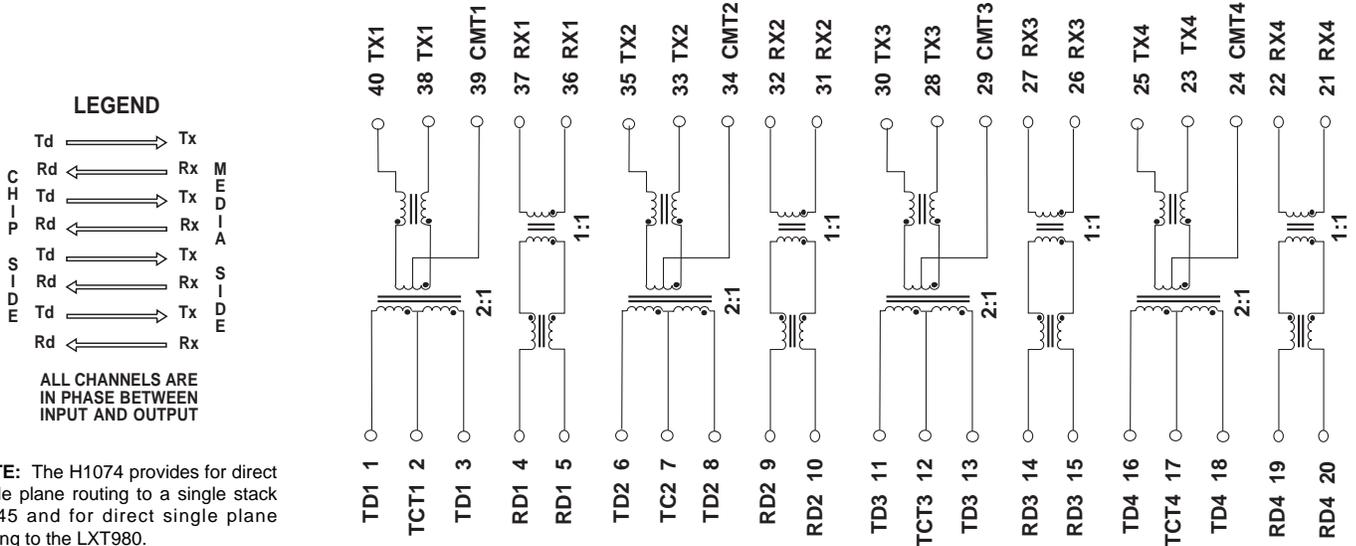
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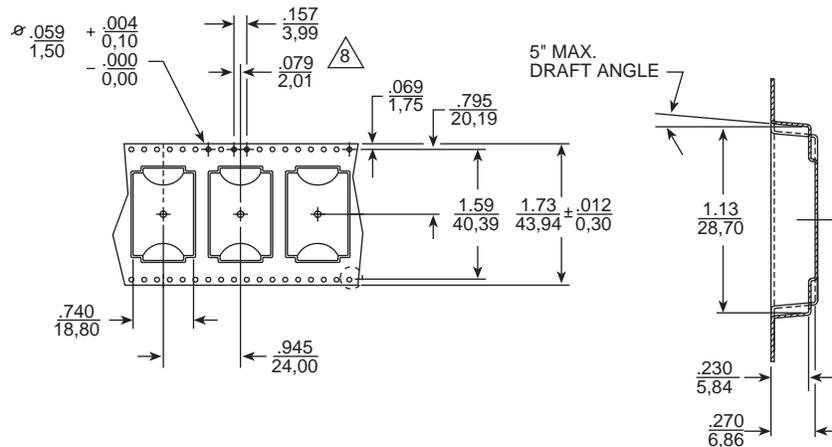
Schematic

H1074



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

Tape and Reel Specifications



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

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