

10/100BASE-TX QUAD PORT TRANSFORMER MODULES

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



- ⚙ Patented Interlock Base design
- ⚙ 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
- ⚙ Models designed to support four single or double stacked RJ-45 connectors
- ⚙ IC grade transfer-molded package with-stands 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 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	Transmit	Receive	1-60 MHz	60-200 MHz
H1036L	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1044	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1053	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1060	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1062	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30
H1071	-0.5	-21	-17	-14.5	-12	-65	-50	-40	-30	-30	-30	-40	-30
H1166	-0.5	-16	-14.4	-13.1	-12	-50	-45	-40	-35	-30	-30	-40	-30
HX1203*	-0.5	-21	-17	-14.5	-12	-65	-55	-45	-35	-30	-30	-40	-30

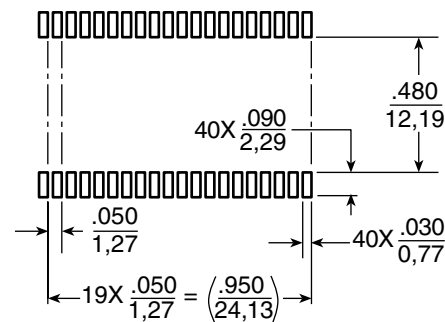
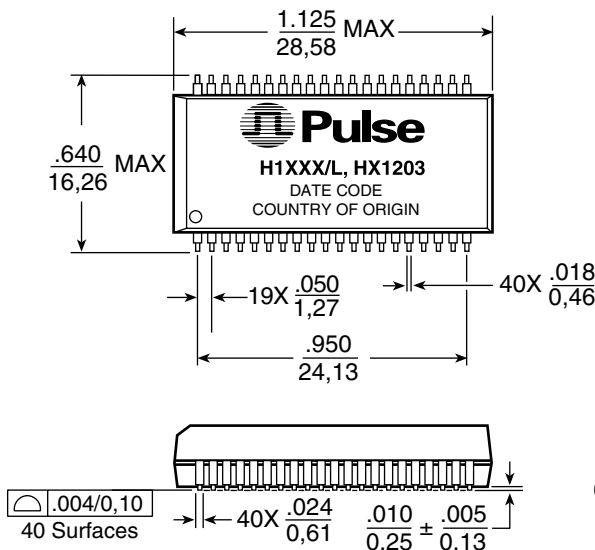
* Operating temperature -40° to +85°C.

Patent No. 5,015,981

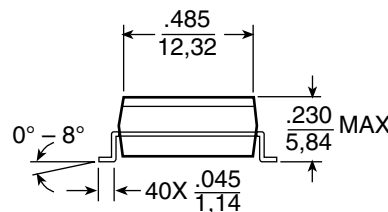
NOTE: All models meet input/output breakdown (Hipot) of 1500 Vrms.

Mechanical

H1XXX, HX1203



SUGGESTED LAND PATTERN



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

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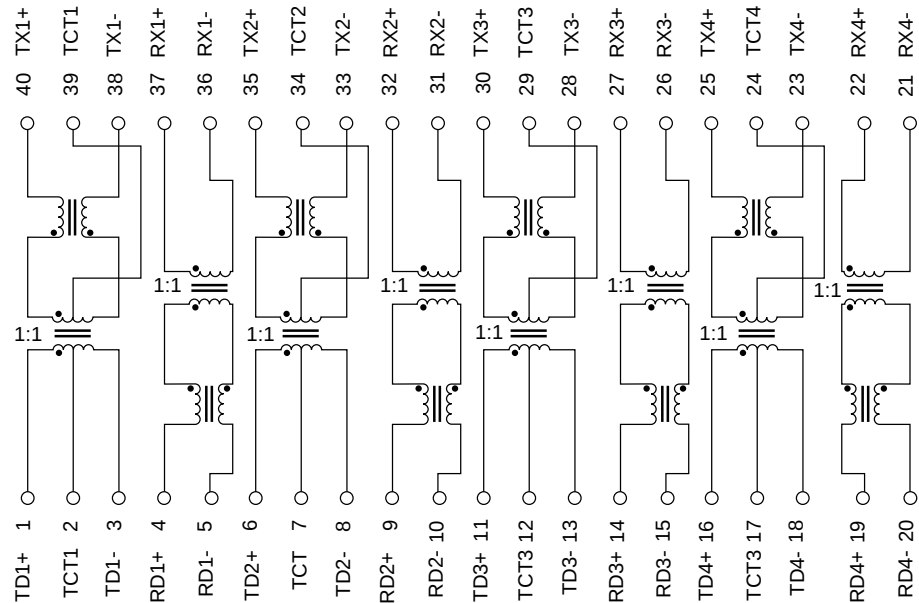
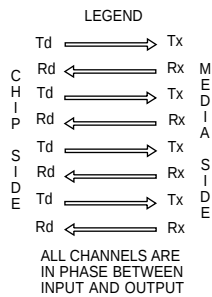
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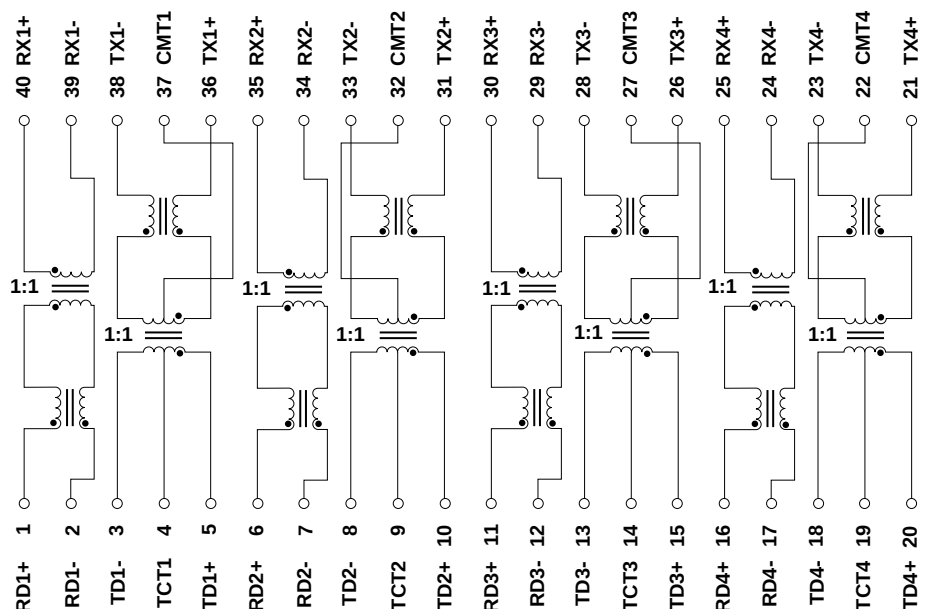
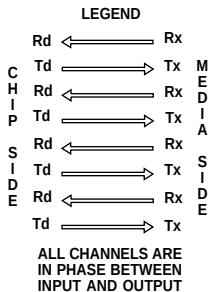
Quad-Port Solutions: The H1036L, H1044, H1053, H1060, H1062, H1071, and H1166 are quad modules designed to support four single or double stacked RJ-45 connectors. Each has a different pinout for optimization in layout with various IC manufacturers.

Schematics

H1036L



H1044



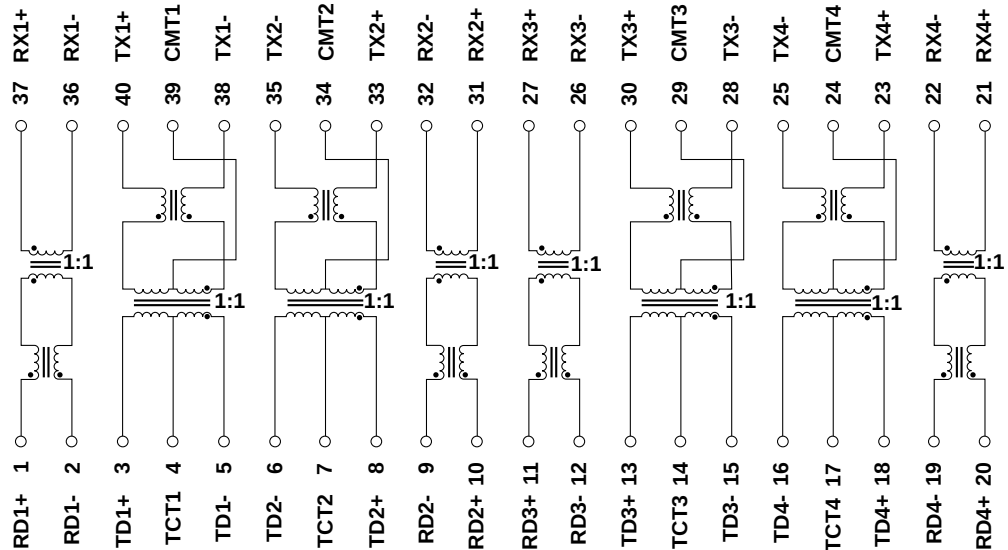
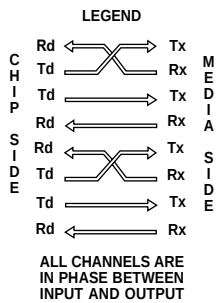
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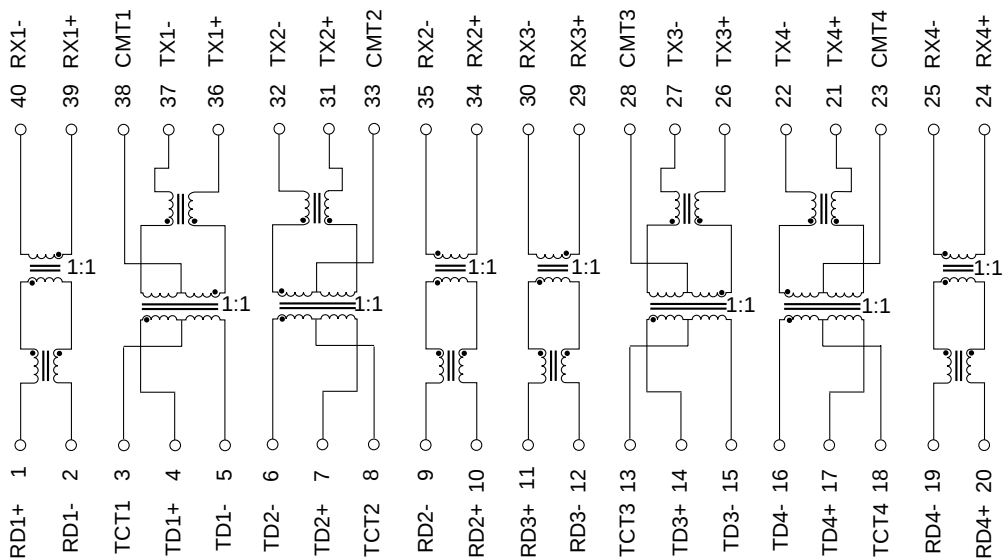
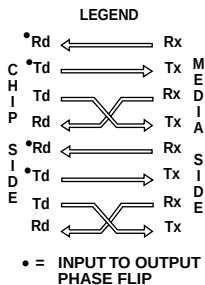


Schematics

H1053



H1060



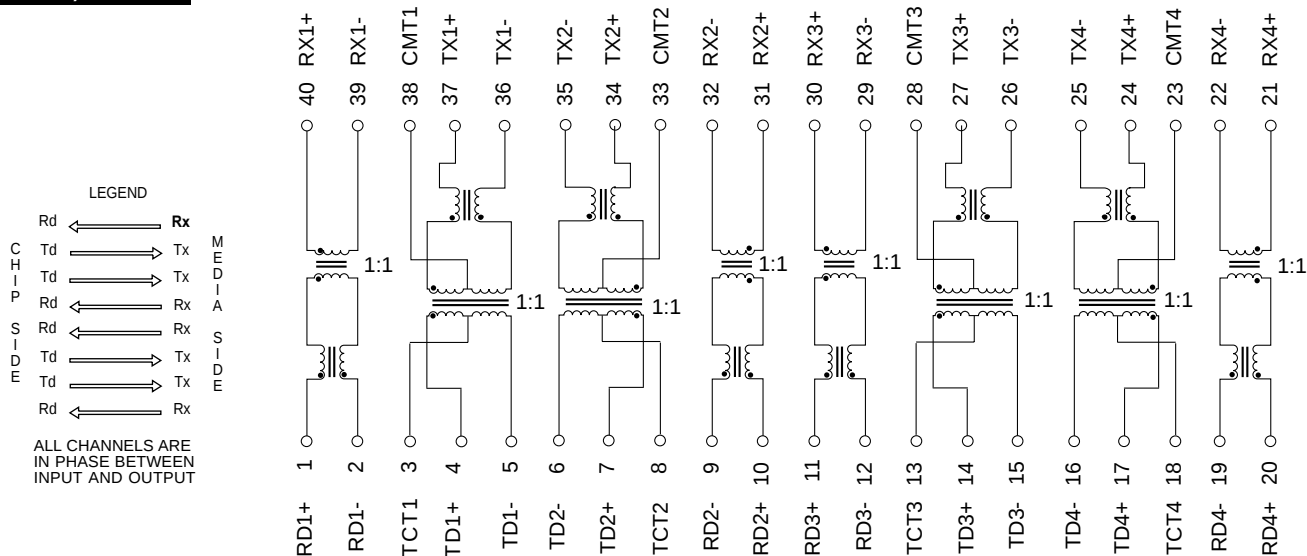
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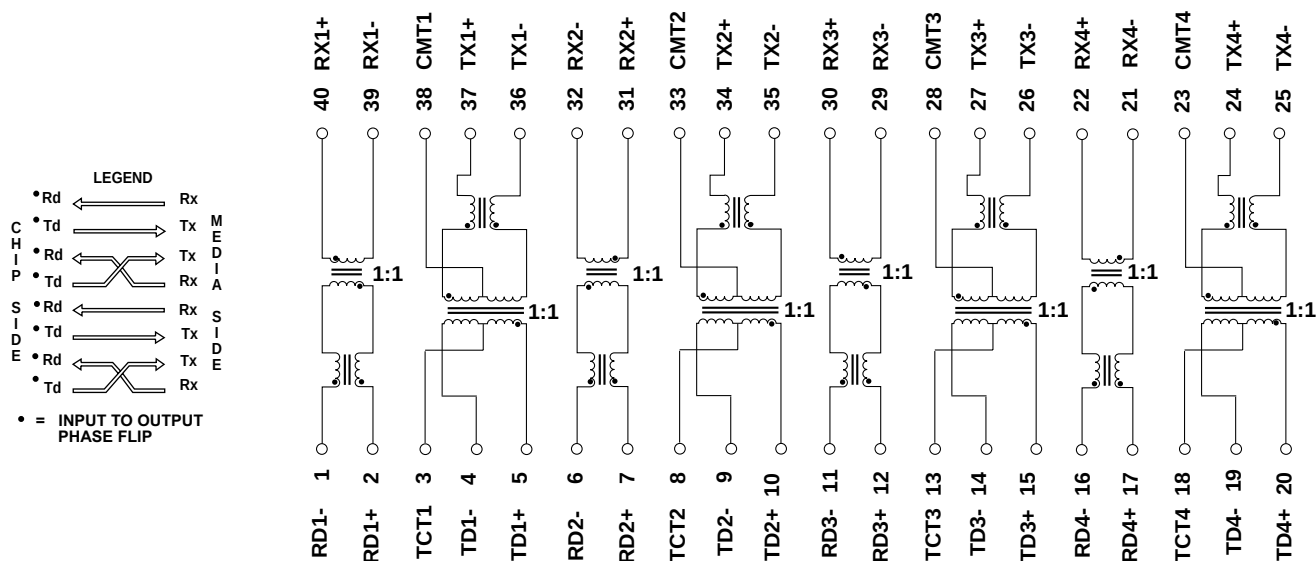


Schematics

H1062, HX1203



H1071



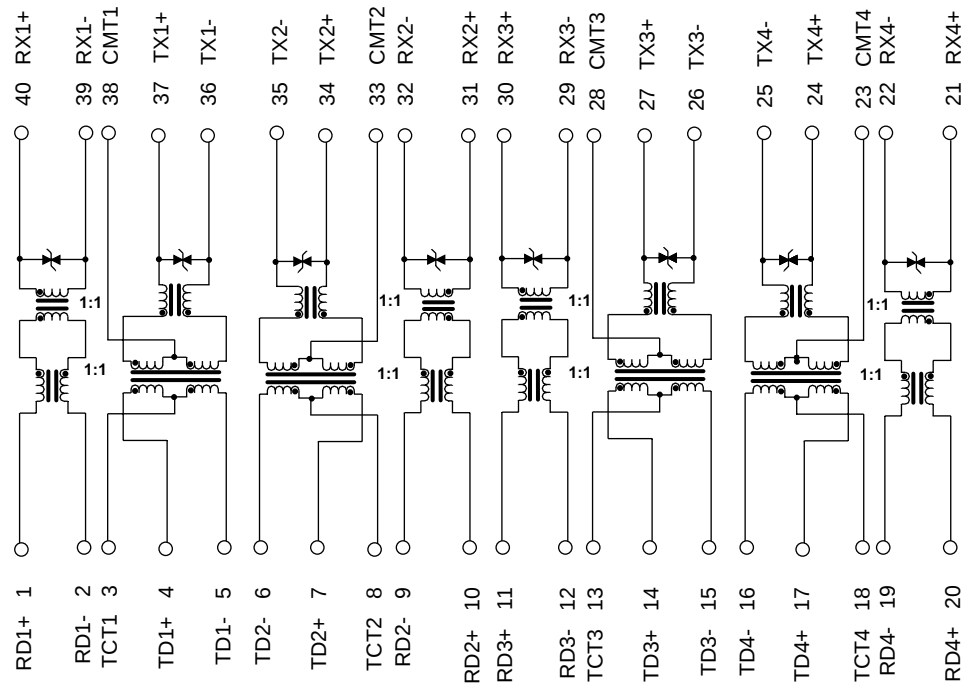
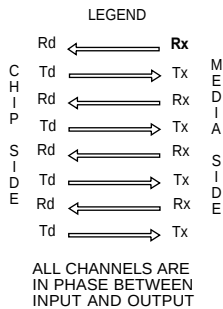
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Schematics

H1166

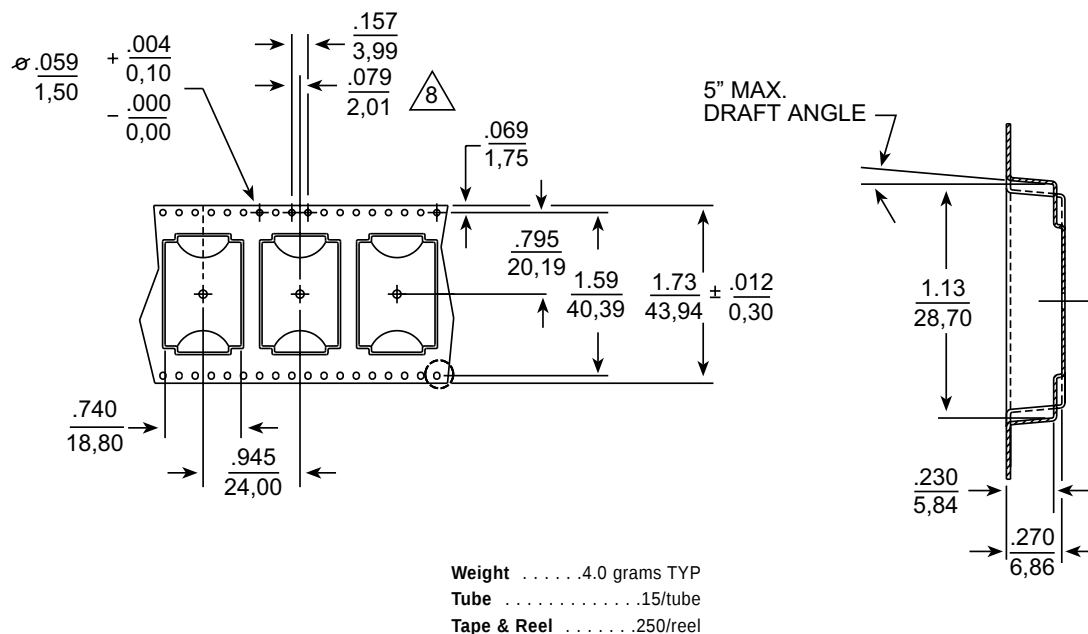


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Tape & Reel Specifications



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