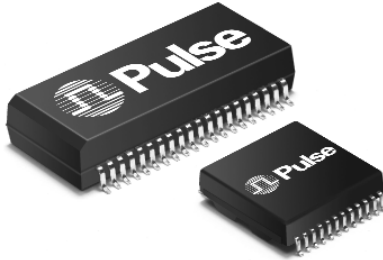


10/100BASE-TX DUAL PORT TRANSFORMER MODULES

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



-  Compliant with IEEE 802.3u and ANSI X3.263 standards including 350 μ H OCL with 8 mA bias
-  Modules designed to support two RJ-45 connectors
-  Some models offer AutoMDIX capability

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

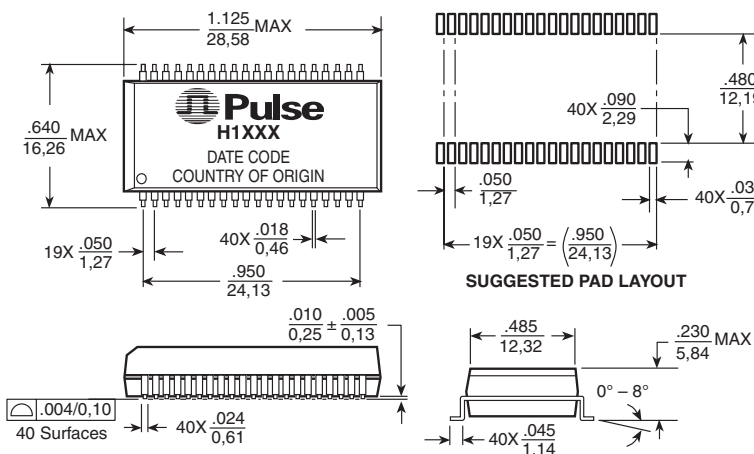
Part Number ¹	Insertion Loss (dB TYP)	Return Loss (dB MIN)					Crosstalk (dB TYP)				Differential to Common Mode Rejection (dB TYP)	
		0.1-100 MHz	2-30 MHz	40 MHz	50 MHz	60-80 MHz	1 MHz	30 MHz	60 MHz	100 MHz	1-60 MHz	60-200 MHz
H1026	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-40	-30
H1027	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-53	-40
H1028	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-45	-35
H1049	-0.5		-21	-17	-14.5	-12	-65	-55	-45	-35	-45	-35
H1114	-1.2		-16	-14	-13	-12	-50	-45	-40	-35	-37	-33
H1200 ²	-1.0		-16	-14.4	-13	-12	-50	-45	-40	-35	-37	-33
H1174	-1.2		-18	-16	-14	-12	-60	-45	-40	-35	-45	-35
H1270 ²	-1.2		-18	-16	-14	-12	-60	-45	-40	-35	-45	-35

- All models meet input/output breakdown (Hipot) of 1500 Vrms.
- Suitable for AutoMDIX applications.

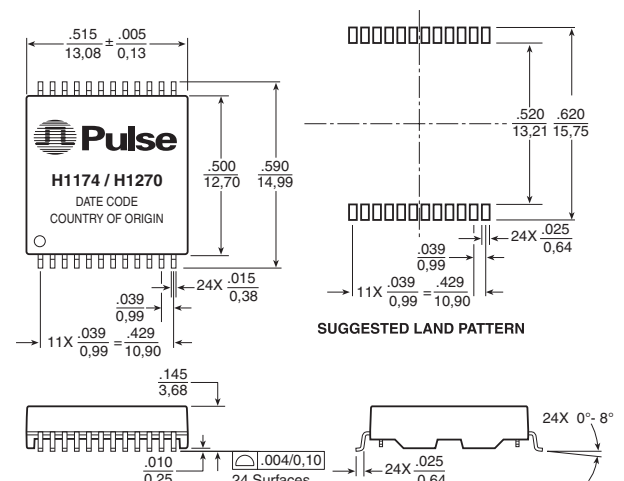
U.S. Patent No. 5,015,981

Mechanicals

H1XXX



H1174/H1270



Dimensions: Inches
mm

Unless otherwise specified, all tolerances are $\pm \frac{.010}{.025}$

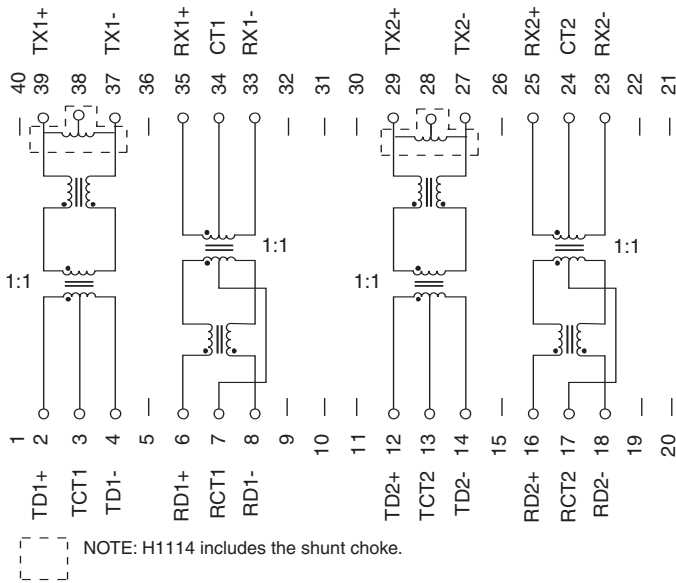
10/100BASE-TX DUAL PORT TRANSFORMER MODULES

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

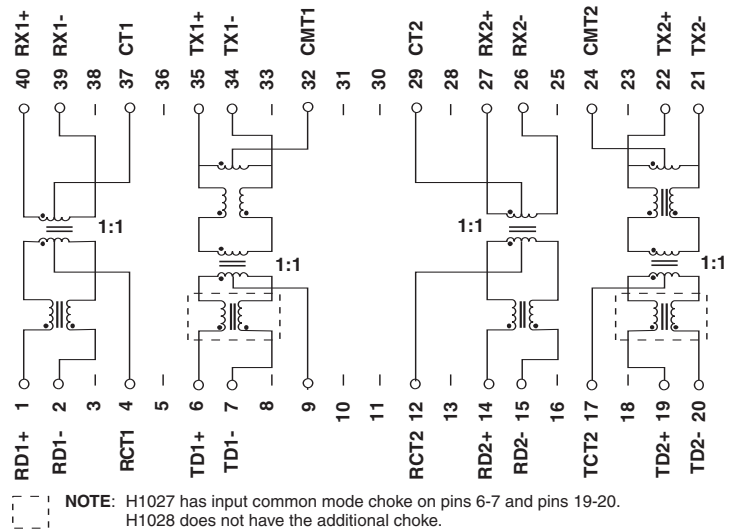


Schematics

H1026, H1114

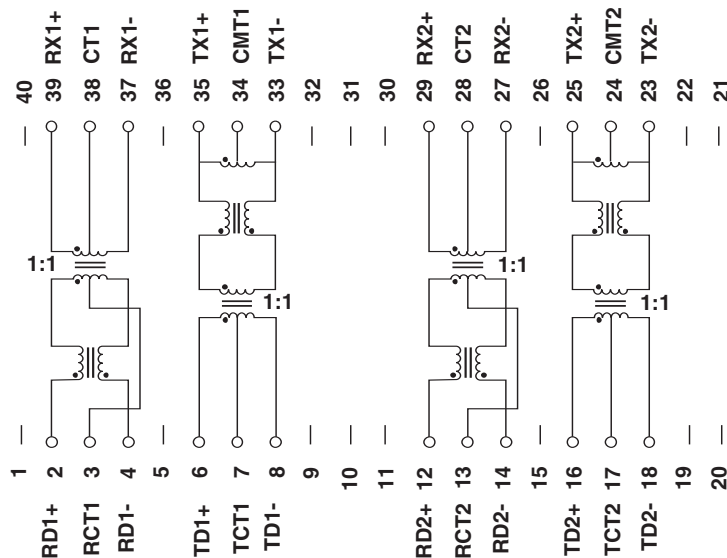


H1027, H1028



Dual Port Solutions: The H1027, H1028, H1049, and H1026 are designed to support two RJ-45 connectors. The H1027 and the H1028 have the same pinout. The H1027 has an additional common mode choke on both transmit channels. The H1049 and the H1026 offer different pinouts for design flexibility.

H1049



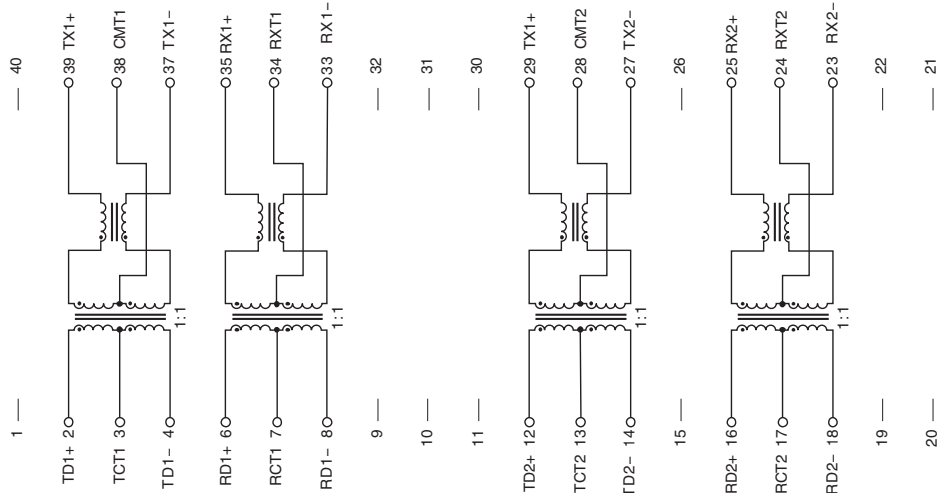
10/100BASE-TX DUAL PORT TRANSFORMER MODULES

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

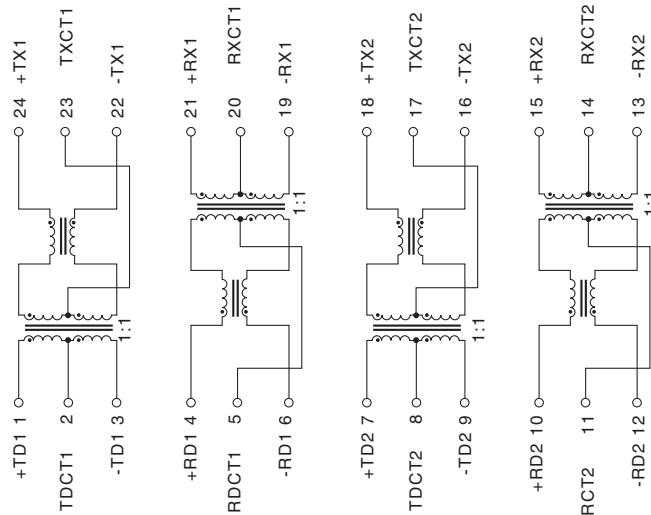


Schematics

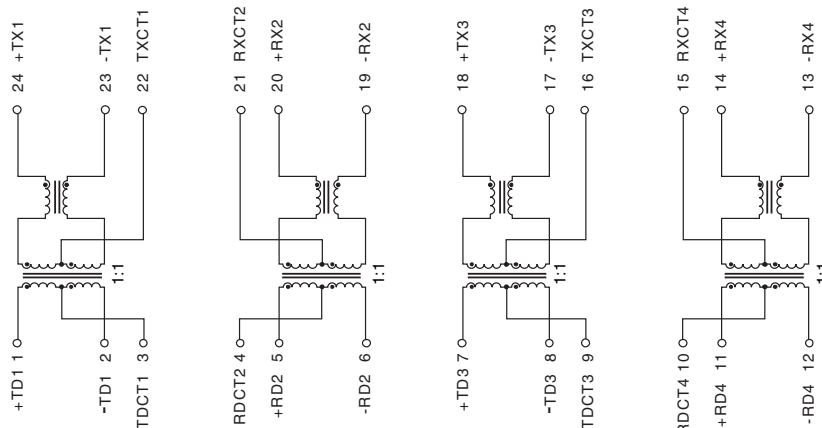
H1200

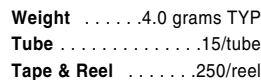


H1174



H1270



H1XXX

Technical drawing of a 2x8 double-flange plate. The drawing includes a top view and a cross-section labeled SECTION A-A. The top view shows a rectangular plate with two rows of four flanges each. Dimensions are provided in inches and millimeters. A DIM CHART table is located in the bottom left corner.

DIM CHART	
Ao	.610/15.50
Bo	.535/13.59
Ko	.190/4.83
Po	.945/24.00

SECTION A-A

H322.B (0303)