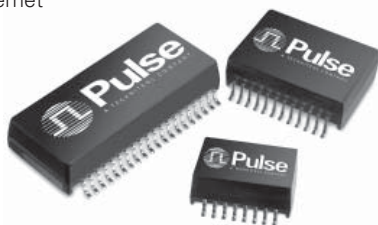
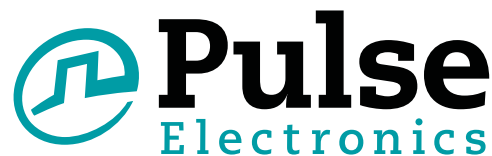


*Power over Ethernet



- RoHS peak reflow temperature rating 245°C
- Meets IEEE 802.3 specification
- Compact footprint

RoHS Compliant Part Number	PoE	Number of Ports	Insertion Loss (dB MAX)			Return Loss (Z out = 100 Ω ±15%)			Crosstalk (adjacent channels dB MIN)			Hipot (Vrms MIN)
			0.1 MHz	1 MHz	100 MHz	30 MHz	60 MHz	80 MHz	30 MHz	60 MHz	100 MHz	
H0055NL ^{1, 6a}	No	1	-2.5	—	-1.0	-16	-10	-10	-45	-40	-33	1500
H0056NL ^{2, 6a}	No	1	—	-0.8	-0.9	-16	-10	-10	-45	-40	-33	1500
H1259NL ^{6a}	No	4	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500
HX1259NL ^{3, 6a}	No	4	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500
H1260NL ^{6a}	No	1	-1.1	—	-1.1	-16	-10	-10	-35	-30	-30	1500
HX1260NL ^{3, 6a}	No	1	-1.1	—	-1.1	-16	-10	-10	-35	-30	-30	1500
H1265NL ^{6a}	No	1	-1.3	—	-1.0	-16	-10	-10	-40	-38	-33	1500
H1266NL ^{6a}	No	4	-1.2	—	-1.0	-16	-10	-10	-45	-40	-30	1500
H1278NL ^{6a}	No	1	-1.1	—	-1.0	-16	-10	-10	-45	-40	-33	1500
H1305NL ^{6a}	No	2	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500
HX1305NL ^{3, 6a}	No	2	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500
H2260NL ^{6a}	Yes ⁴	1	-1.1	—	-1.1	-16	-10	-10	-35	-30	-30	1500
HX2260NL ^{3, 6a}	Yes ⁴	1	-1.1	—	-1.1	-16	-10	-10	-35	-30	-30	1500
H2305NL ^{6a}	Yes ⁴	2	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500
HX2305NL ^{3, 6a}	Yes ⁴	2	-1.2	—	-1.4	-16	-10	-10	-45	-40	-33	1500

1. **H0055NL** is designed to meet 200 μ H nom.
2. **H0056NL** is designed to meet 300 μ H nom.
3. **Parts** offer extended operating temperature of -40 to +85°C
4. **These** parts are compliant to IEEE802.3af, Power over Ethernet (PoE) standard.
5. **When** ordering Tape & Reel packaging, add a **"T"** suffix to the end of the part number, e.g. H0056NLT
6. **MSL** = Moisture Sensitivity Level: **a**=1, **b**=2, **c**=3, **d**=4, **e**=5

H0055NL

Top view dimensions: .465 (11,81), .150 (3,81), .340 (8,63), .450 (11,43), .350 (8,89), .020 (0,51), .030 (0,76), .050 (1,27), .360 (9,14), .475 (12,07), .150 (3,81).

Side view dimensions: .085 (2,16) MAX, .010 (0,25), .004/0,10 (12 SURFACES).

SUGGESTED LAND PATTERN

12X .030 (0,76), 4X .050 (1,27), .350 (8,89).

H0056NL

Top view dimensions: .503 (12,8) MAX, .280 (7,11), .380 (9,65) MAX, .030 (0,76), .050 (1,27), .350 (8,89), .020 (0,51), .050 (1,27), .290 (7,37), .410 (10,41).

Side view dimensions: .088 (2,24) MAX, .002 (0,05) MIN, .004/0,10 (16 SURFACES), .035 (0,89).

SUGGESTED LAND PATTERN

16X .030 (0,76), 7X .050 (1,27) = (350/8,89), 16X .035 (0,89), 16X 0°-8°.

Weight355 grams
Tape & Reel . . . 1000/reel
Tube40/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

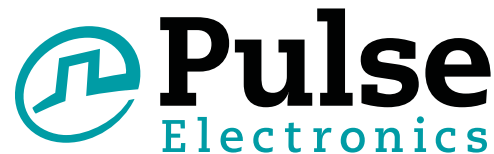
Weight 3 grams
Tape & Reel . . . 2000/reel
Tube 40/tube

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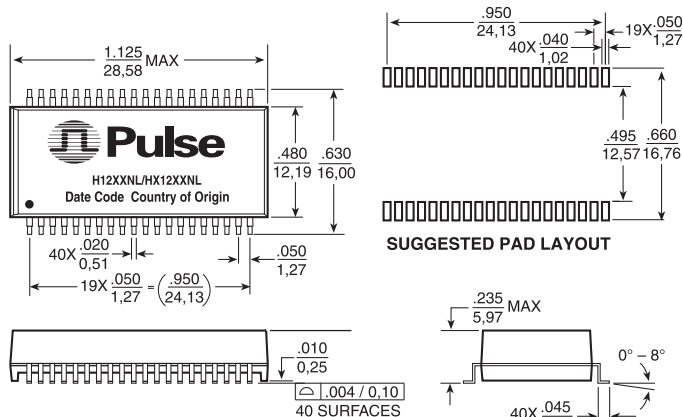
with PoE* Option and 1:1 Turns Ratios

*Power over Ethernet



Mechanicals (continued)

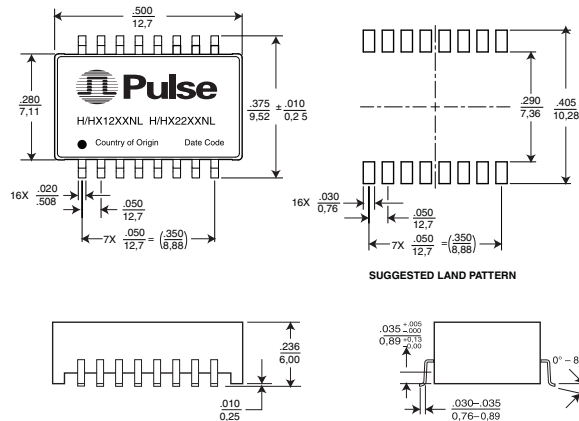
H1259NL, HX1259NL, H1266NL



Weight 4.8 grams
 Tape & Reel 250/reel
 Tube 15/tube

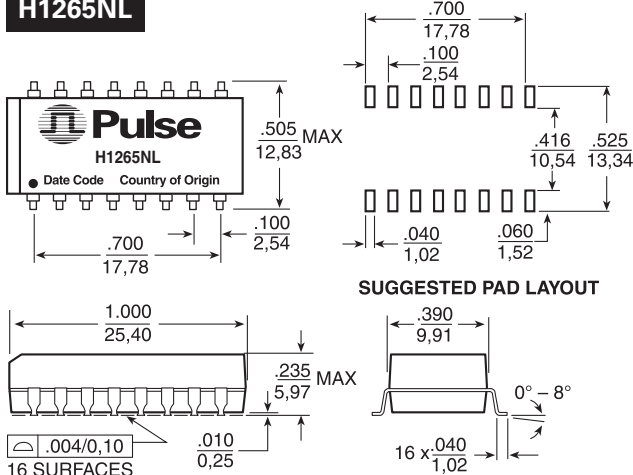
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

H1260NL, HX1260NL, H2260NL, HX2260NL



Weight 2.8 grams
 Tube 45/tube
 Tape & Reel 600/reel

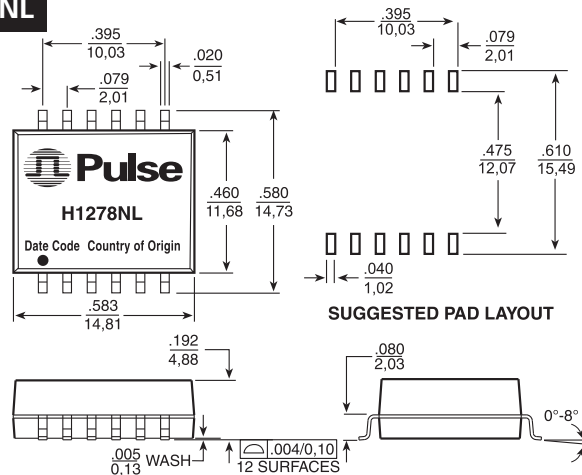
H1265NL



Weight 3.0 grams
 Tube 20/tube
 Tape & Reel 300/reel

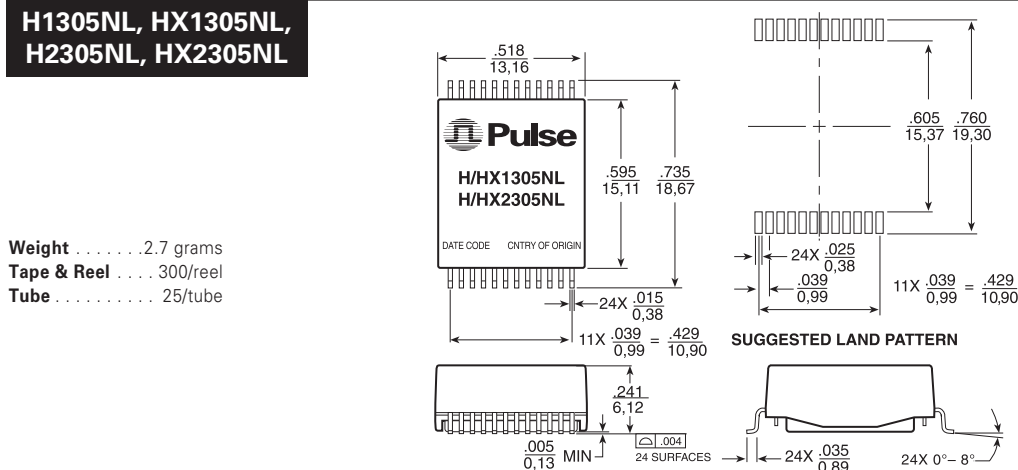
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

H1278NL



Weight 1.7 grams
 Tape & Reel 350/reel
 Tube 30/tube

H1305NL, HX1305NL, H2305NL, HX2305NL



Weight 2.7 grams
 Tape & Reel 300/reel
 Tube 25/tube

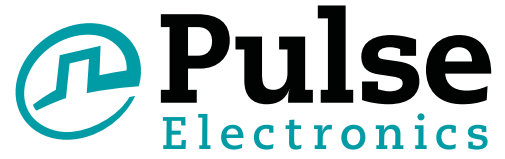
Dimensions: $\frac{\text{Inches}}{\text{mm}}$
 Unless otherwise specified,
 all tolerances are $\pm \frac{.010}{0.25}$

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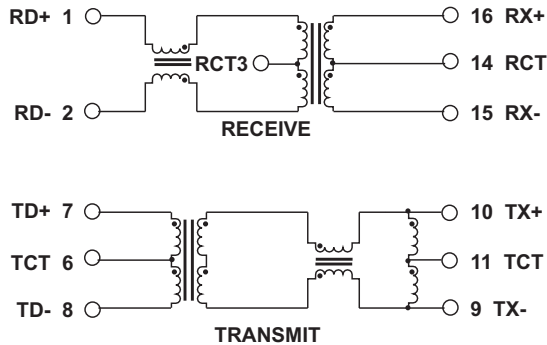
with PoE* Option and 1:1 Turns Ratios

*Power over Ethernet

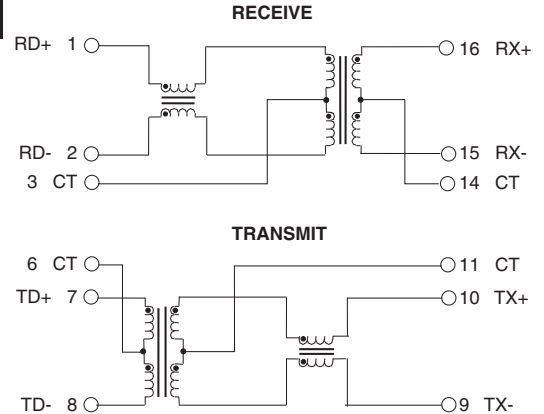


Schematics

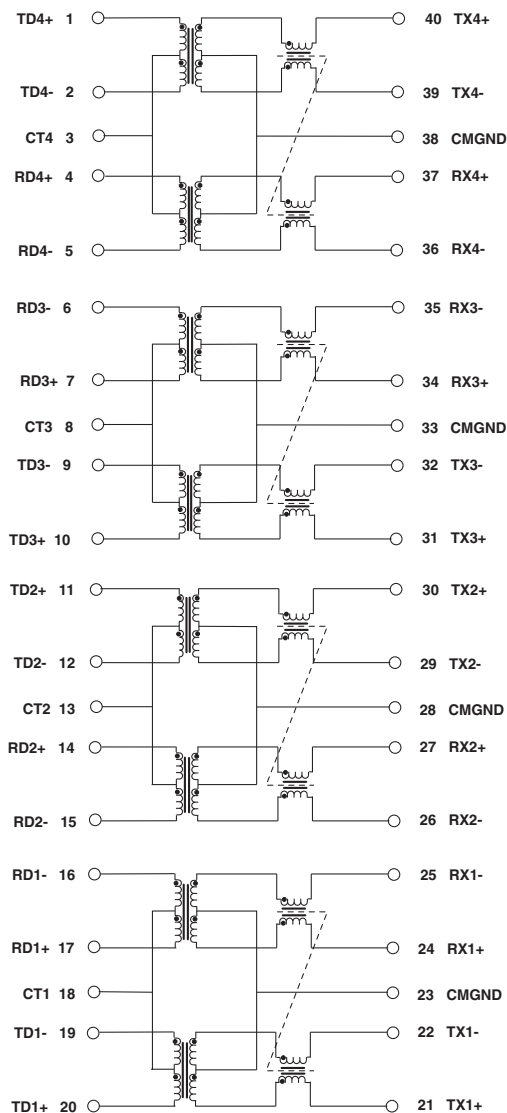
H0055NL



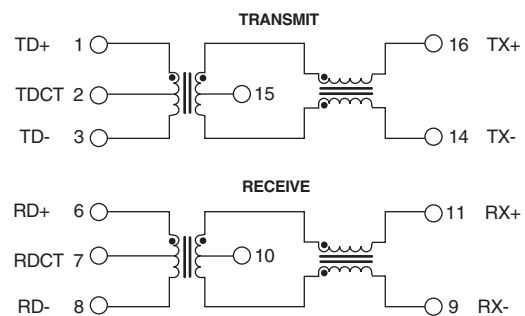
H0056NL



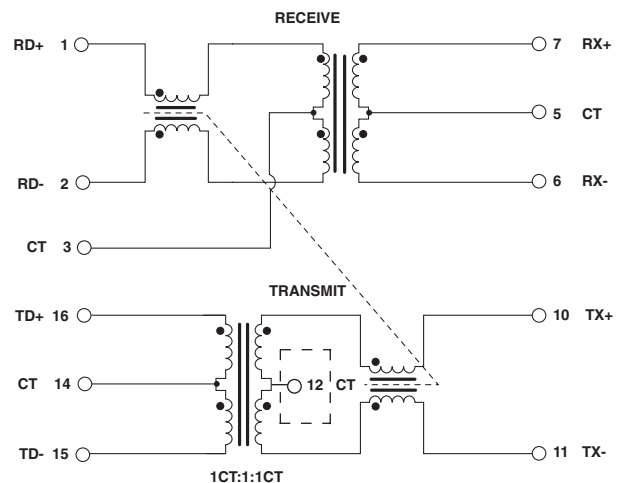
H1259NL, HX1259NL



H1260NL, HX1260NL



H1265NL



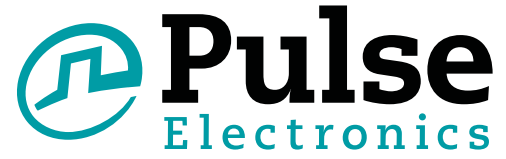
H1265: 3-core design (T3 same toroid core)

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10/100BASE-T Transformer Modules

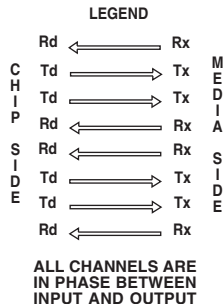
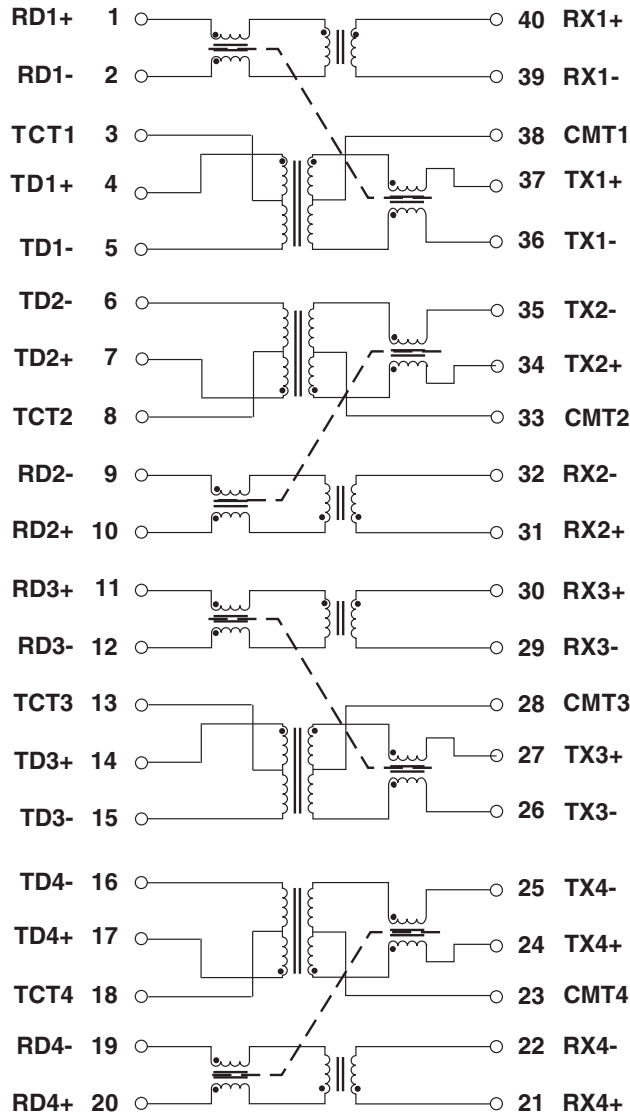
with PoE* Option and 1:1 Turns Ratios

*Power over Ethernet

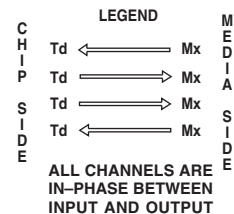
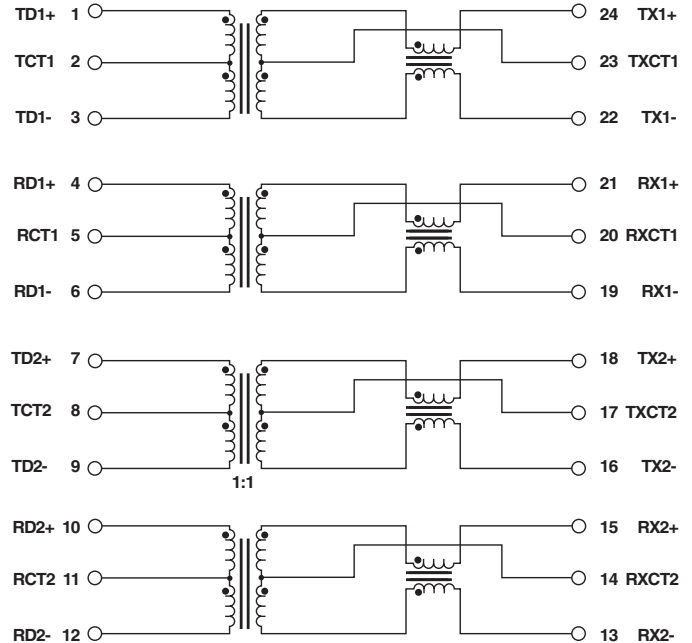


Schematics (continued)

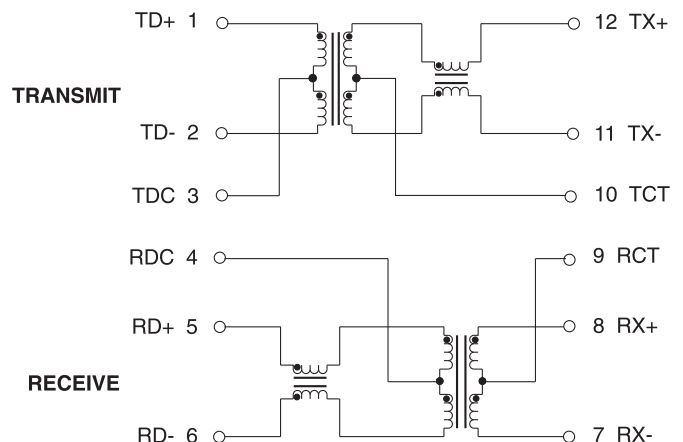
H1266NL



H1305NL, HX1305NL



H1278NL

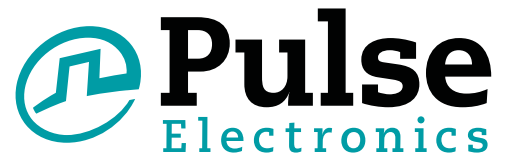


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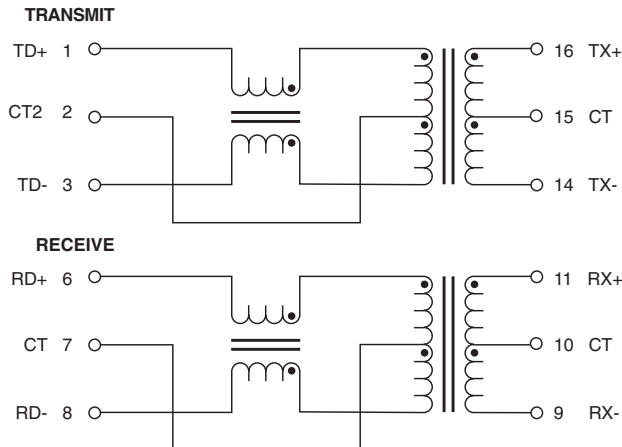
with PoE* Option and 1:1 Turns Ratios

*Power over Ethernet

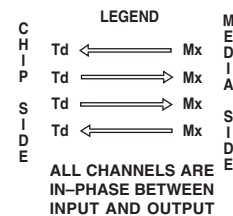
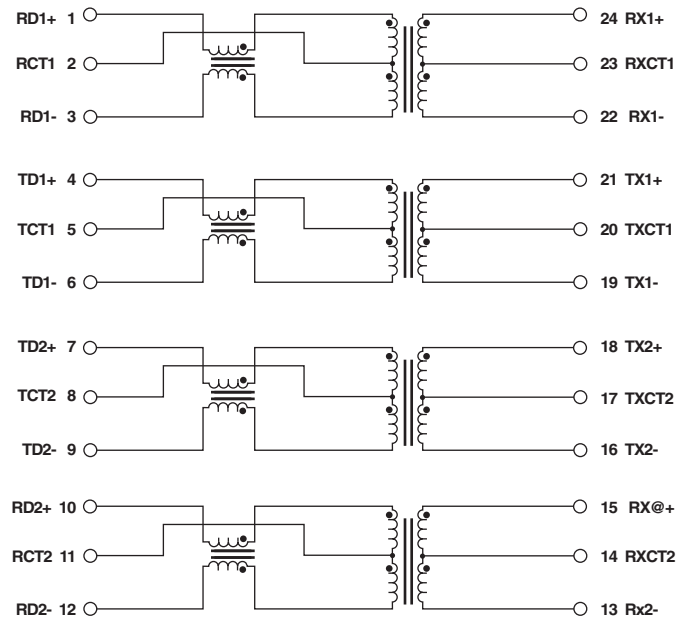


Schematics (continued)

H2260NL, HX2260NL



H2305NL, HX2305NL



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- Техническая поддержка проекта;
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