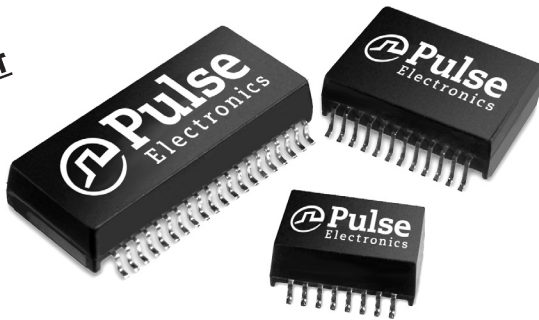


Star Magnetics™ Gigabit Transformer Modules with PoE* Option

* Power over Ethernet



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

Electrical Specifications @ 25°C - Operating Temperature -40°C to +125°C

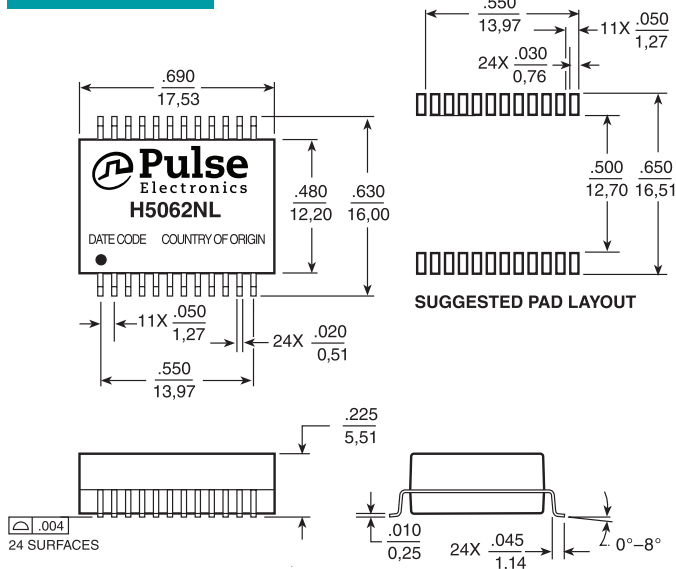
RoHS Compliant Part Number	PoE	Turns Ratio		Number of Ports	Insertion Loss (dB MAX)			Return Loss (Zout = 100 Ω ± 15%)				Crosstalk (adjacent channels dB MIN)			Hipot (Vrms MIN)
		Tx	Rx		0.1 MHz	100 MHz	125 MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H5062NL ^{2a,3}	No	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6062NL ^{2a,3}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6080NL ^{2a,3}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500

Notes:

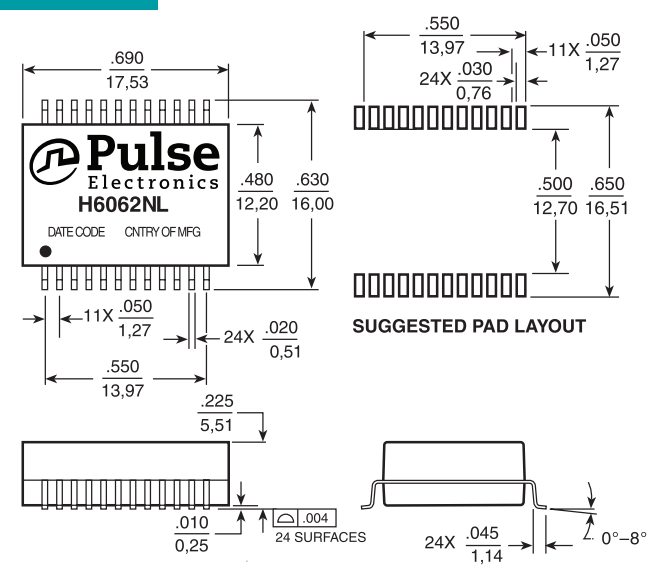
1. For Tape & Reel packaging, add a "T" suffix to the end of the part number when ordering, e.g. H5062NLT
2. MSL = Moisture Sensitivity Level a = 1 b = 2 c = 3 d = 4 e = 5
3. Not for sale in U.S.

Mechanicals

H5062NL



H6062NL



Weight2.7 grams
Tape & Reel300/reel
Tube25/tube

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Weight2.63 grams
Tape & Reel300/reel
Tube25/tube

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

Taiwan 886 3 4356768

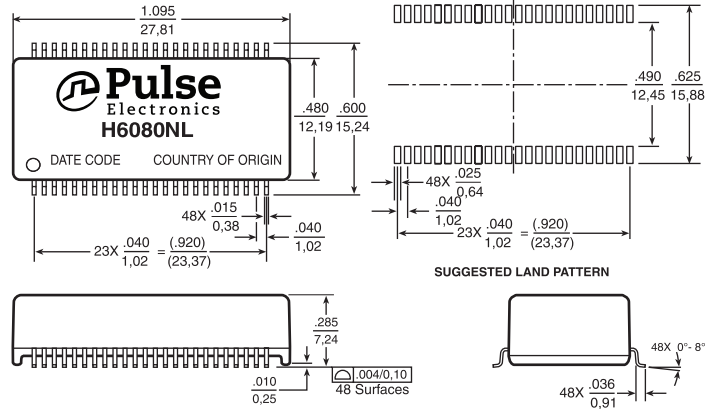
Star Magnetics™ Gigabit Transformer Modules with PoE* Option

* Power over Ethernet



Mechanicals (continued)

H6080NL

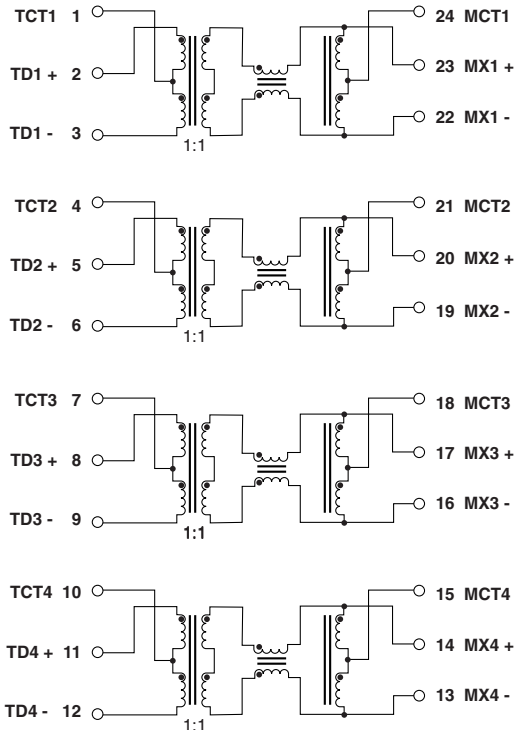


Weight4.0 grams
Tape & Reel250/reel
Tube15/tube

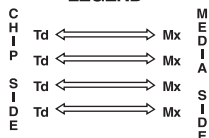
Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

Schematics

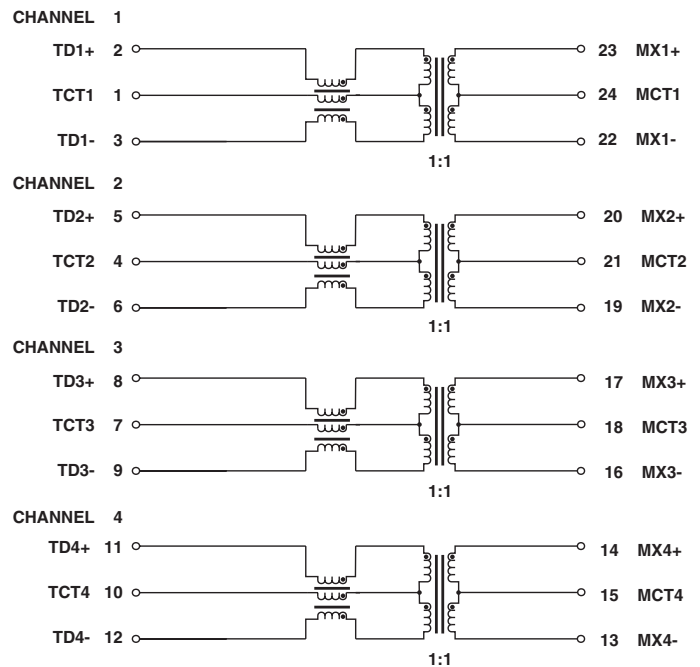
H5062NL



LEGEND



H6062NL

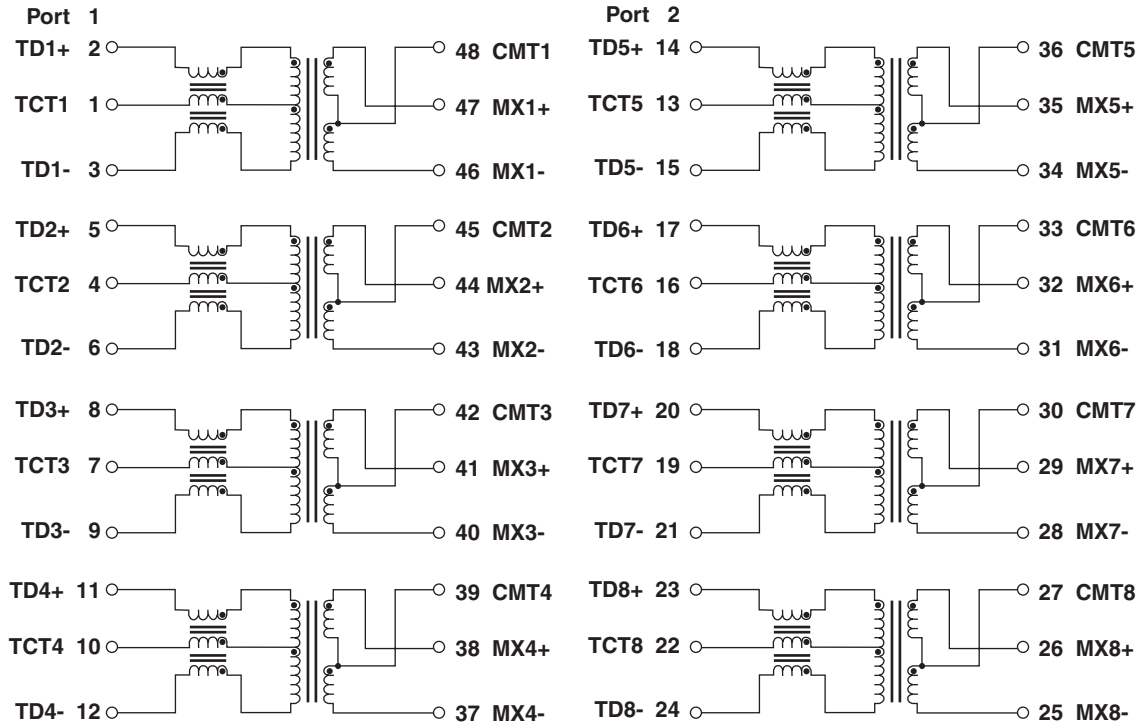


Star Magnetics™ Gigabit Transformer Modules with PoE* Option

* Power over Ethernet

Schematics (continued)

H6080NL



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