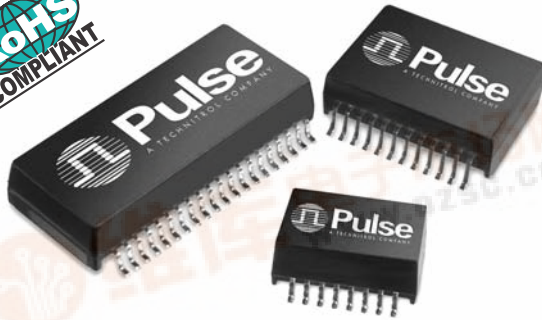


Star Magnetics™ Gigabit Transformer Modules with PoE* Option

*Power over Ethernet



- ⊕ For RoHS part add suffix **NL**²
- ⊕ Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C
- ⊕ Meets IEEE 802.3 specification
- ⊕ Compact footprint

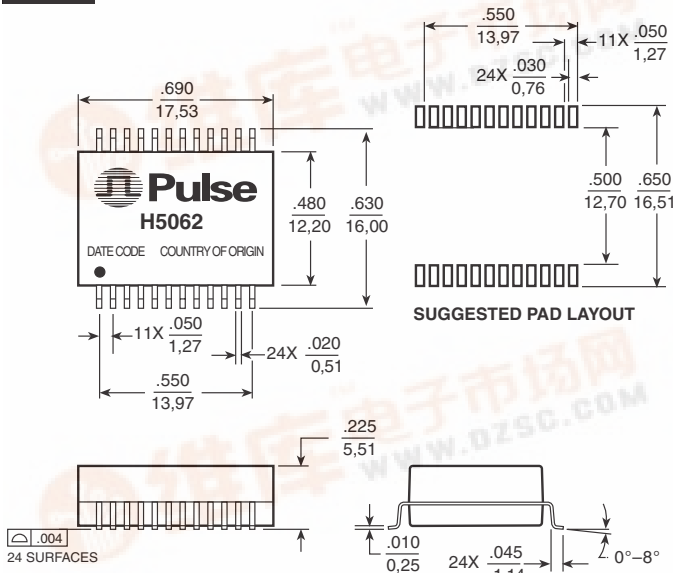
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number ¹	RoHS ²	PoE	Turns Ratio		Number of Ports	Insertion Loss (dB MAX)			Return Loss (2out = 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	
H5062	NL ^{4a}	No	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6062	NL ^{4a}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500
H6080	3, 4 a	Yes	1:1	1:1	2	-1.1	-1.0	-2.0	-18	-12	-12	-10	-43	-37	-33	1500

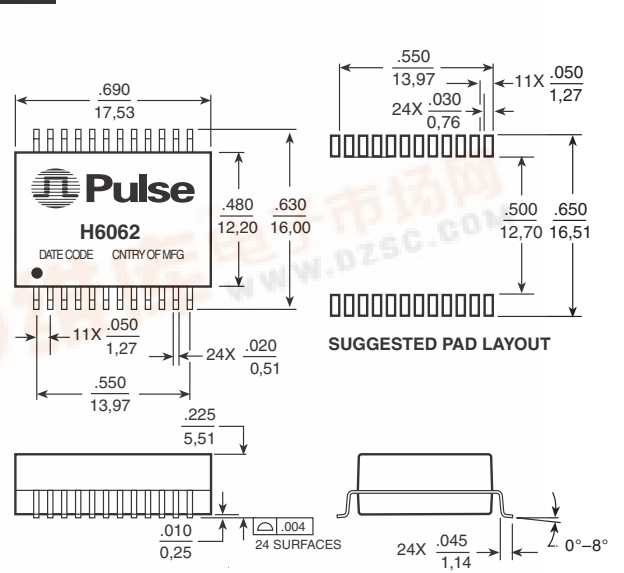
- For **Tape & Reel packaging** add a "T" suffix to the end of the part number when ordering, e.g. H5062T
- Add suffix **NL** for RoHS compliant parts, e.g: H5062 changes to H5062NL or H5062NLT (for Tape & Reel)
- Contact Pulse for RoHS compliant part availability
- MSL**=Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5

Mechanicals

H5062



H6062



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

Dimensions: Inches mm Unless otherwise specified, all tolerances are ± .010 / 0.25

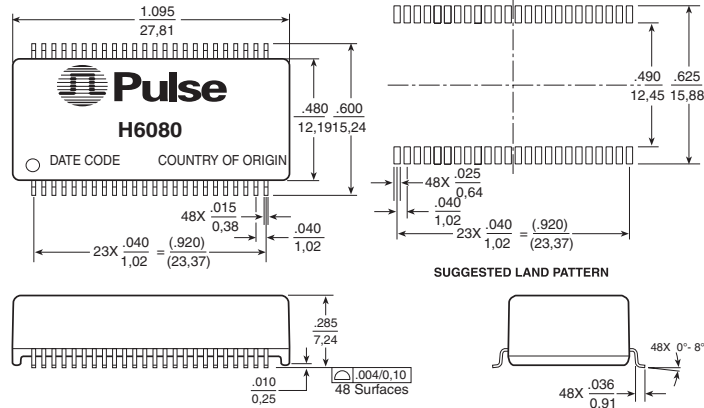
Weight2.63 grams
Tape & Reel300/reel
Tube25

Star Magnetics™ Gigabit Transformer Modules with PoE* Option



Mechanicals (continued)

H6080

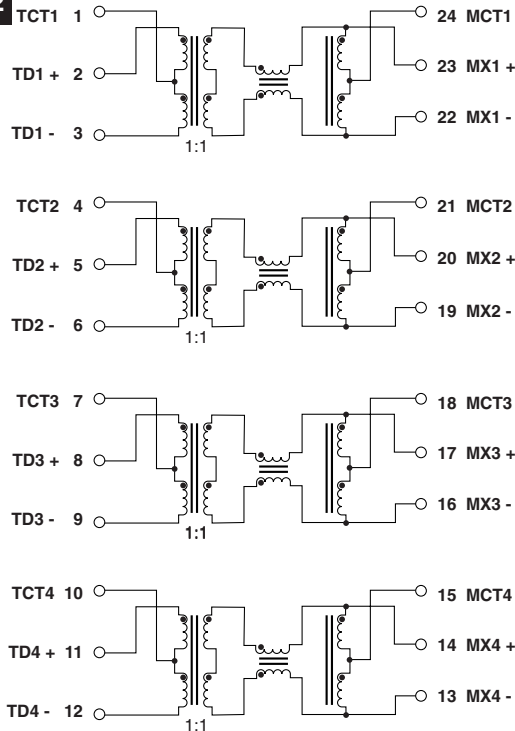


Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Weight 4.0 grams
Tape & Reel250/reel
Tube15/tube

Schematics

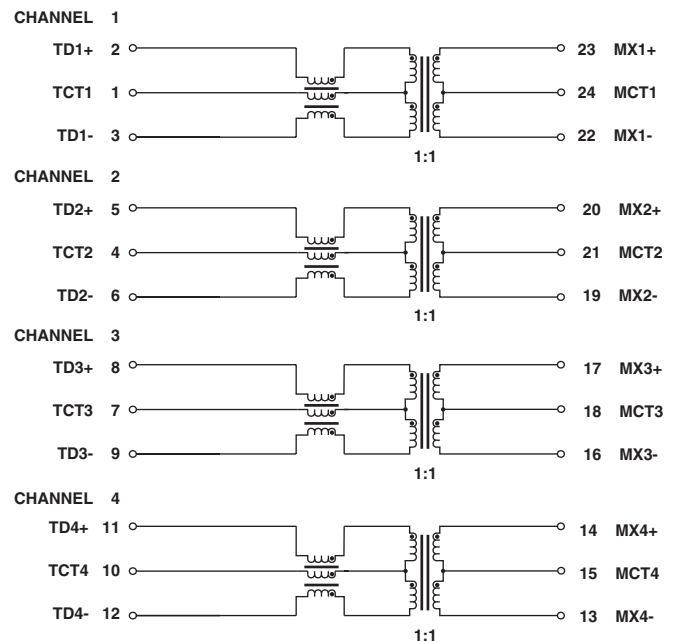
H5062



LEGEND



H6062



Star Magnetics™

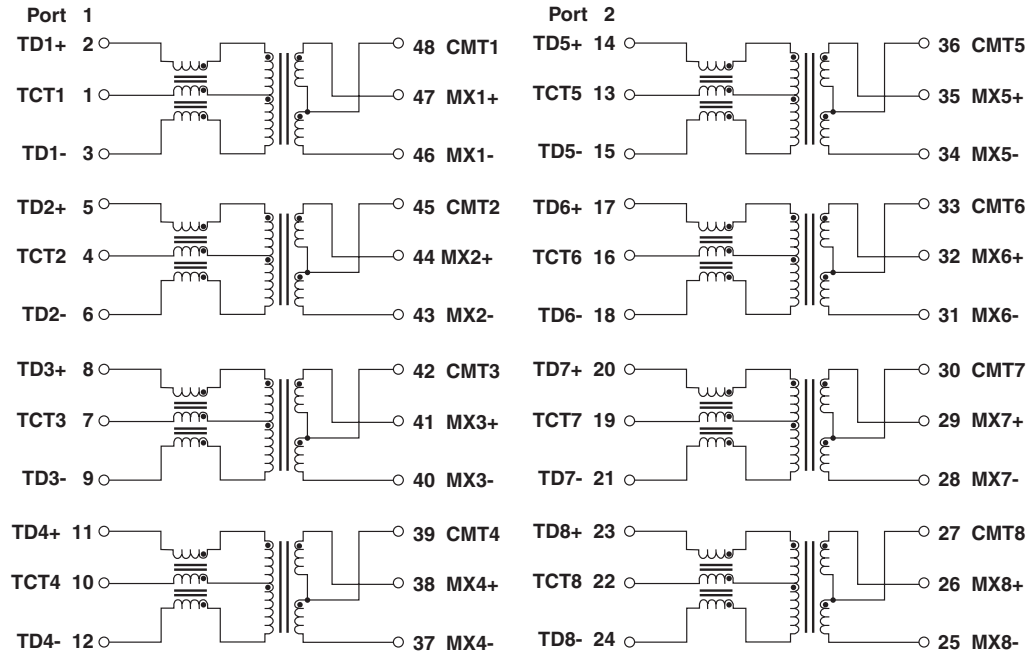
Gigabit Transformer Modules

with PoE* Option



Schematics (continued)

H6080



For More Information:

Pulse Worldwide Headquarters	Pulse Northern Europe	Pulse Southern Europe	Pulse China Headquarters	Pulse North China	Pulse South Asia	Pulse North Asia
12220 World Trade Drive San Diego, CA 92128 U.S.A. www.pulseeng.com TEL: 858 674 8100 FAX: 858 674 8262	3 Huxley Road Surrey Research Park Guildford, Surrey GU2 5RE United Kingdom TEL: 44 1483 401700 FAX: 44 1483 401701	Zone Industrielle F-39270 Orgelet France TEL: 33 3 84 35 04 04 FAX: 33 3 84 25 46 41	No. 1 Industrial District Changan, Dongguan China TEL: 86 769 5538070 FAX: 86 769 5538870	Room 1002 No. 819 Nanjing West Rd Shanghai China TEL: 86 21 32181071 FAX: 86 21 32181396	150 Kampong Ampat #07-01/02 KA Centre Singapore 368324 TEL: 65 6287 8998 FAX: 65 6280 0080	3F-4, No. 81, Sec. 1 Hsin Tai Wu Road Hsi-Chih Taipei Hsien Taiwan TEL: 886 2 26980228 FAX: 886 2 26980948

Performance warranty of products offered on this data sheet is limited to the parameters specified. Data is subject to change without notice. Other brand and product names mentioned herein may be trademarks or registered trademarks of their respective owners.

© Copyright 2005, Pulse Engineering, Inc. All rights reserved.