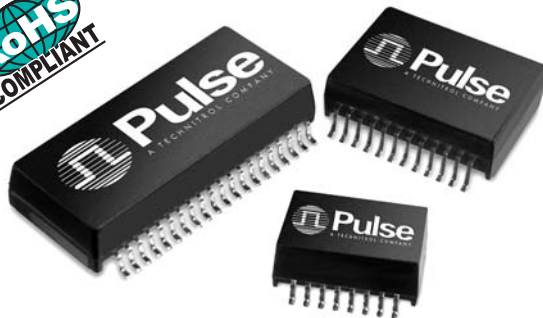


Star Magnetics™ Gigabit Transformer Modules with PoE* Option

*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

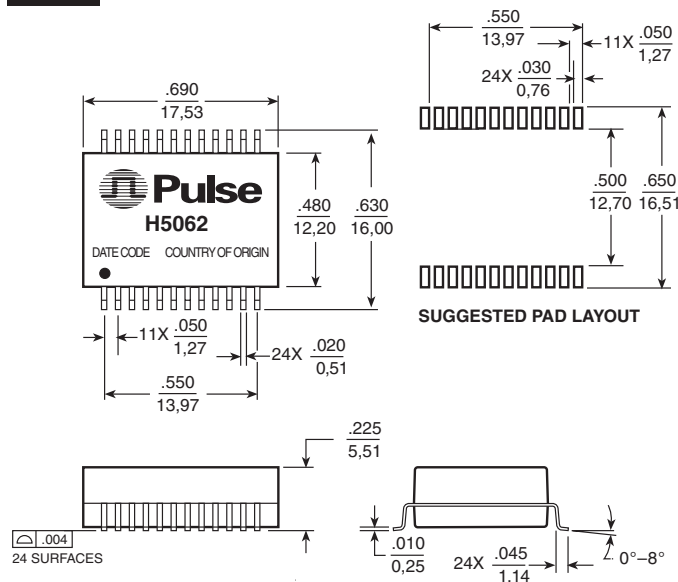
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

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

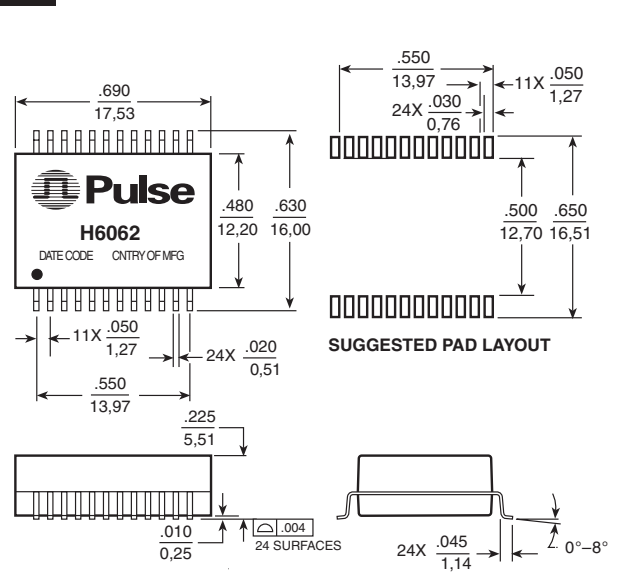
- For **Tape & Reel packaging** add a "T" suffix to the end of the part number when ordering, e.g. H5062T
- Add suffix **NL** for RoHS compliant parts, e.g: H5062 changes to H5062NL or H5062NLT (for Tape & Reel)
- Contact Pulse for RoHS compliant part availability
- MSL**=Moisture Sensitivity Level a=1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

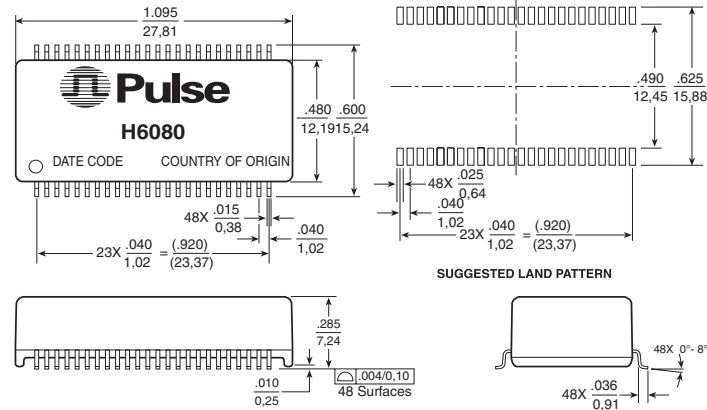
USA 858 674 8100 • UK 44 1483 401 700 • France 33 3 84 35 04 04 • Singapore 65 6287 8998 • Shanghai 86 21 32181071 • China 86 769 5538070 • Taiwan 886 2 26980228

Star Magnetics™ Gigabit Transformer Modules with PoE* Option



Mechanicals (continued)

H6080



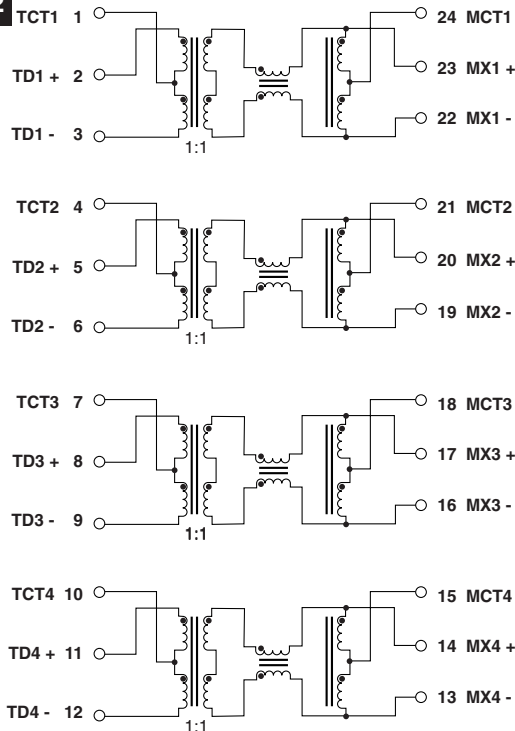
Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0,25}$

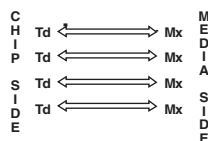
Weight 4.0 grams
Tape & Reel250/reel
Tube15/tube

Schematics

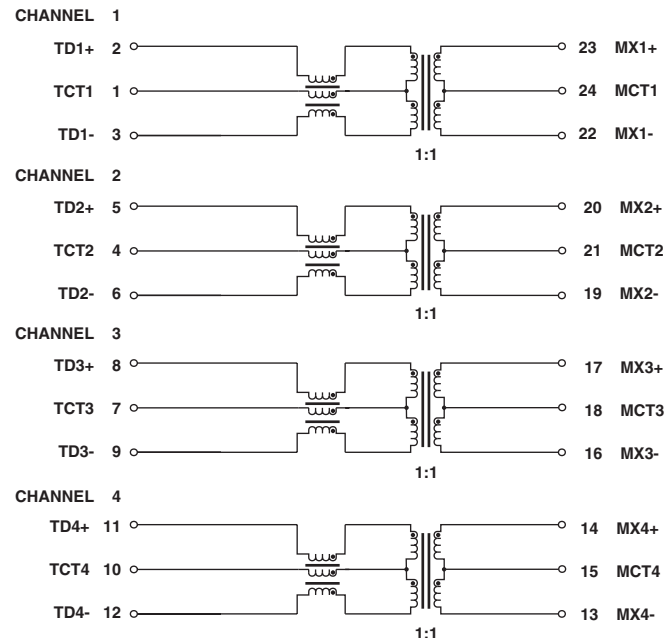
H5062



LEGEND



H6062



Star Magnetics™

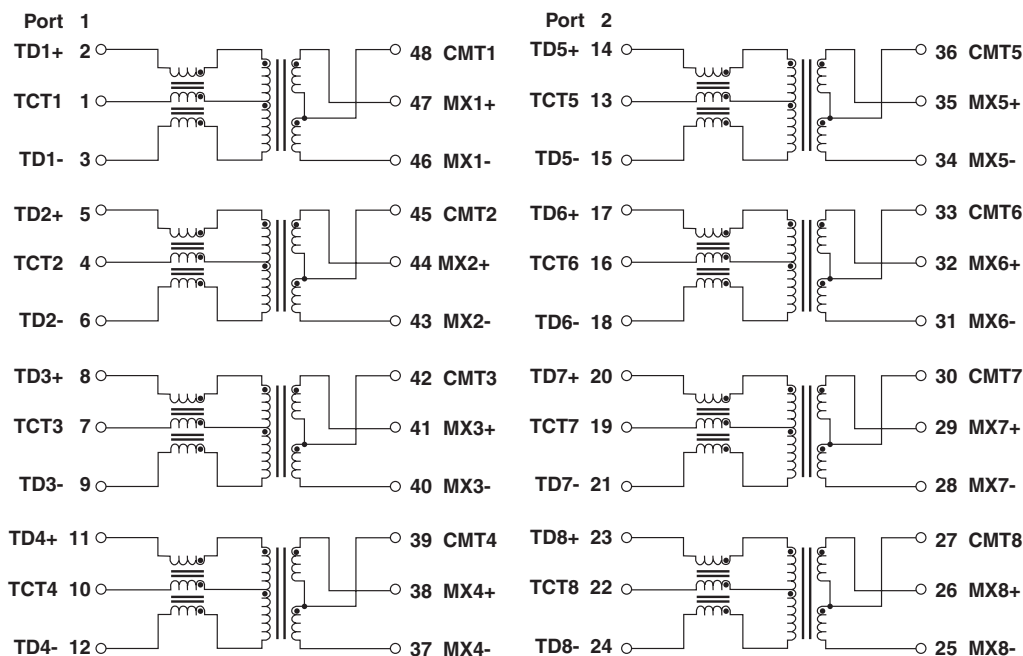
Gigabit Transformer Modules

with PoE* Option



Schematics (continued)

H6080



For More Information:

Pulse Worldwide Headquarters

12220 World Trade Drive
San Diego, CA 92128
U.S.A.
www.pulseeng.com
TEL: 858 674 8100
FAX: 858 674 8262

Pulse Northern Europe

3 Huxley Road
Surrey Research Park
Guildford, Surrey GU2 5RE
United Kingdom
TEL: 44 1483 401700
FAX: 44 1483 401701

Pulse Southern Europe

Zone Industrielle
F-39270
Orgelet
France
TEL: 33 3 84 35 04 04
FAX: 33 3 84 25 46 41

Pulse China Headquarters

No. 1
Industrial District
Changan, Dongguan
China
TEL: 86 769 5538070
FAX: 86 769 5538870

Pulse North China

Room 1002
No. 819
Nanjing West Rd
Shanghai
China
TEL: 86 21 32181071
FAX: 86 21 32181396

Pulse South Asia

150 Kampong Ampat
#07-01/02
KA Centre
Singapore 368324
TEL: 65 6287 8998
FAX: 65 6280 0080

Pulse North Asia

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.

www.pulseeng.com