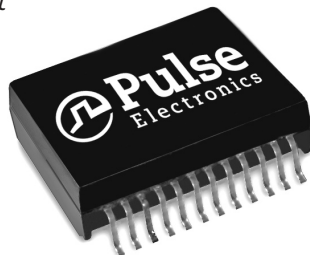


PoE* Plus Gigabit Transformer Modules

*Power over Ethernet



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

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

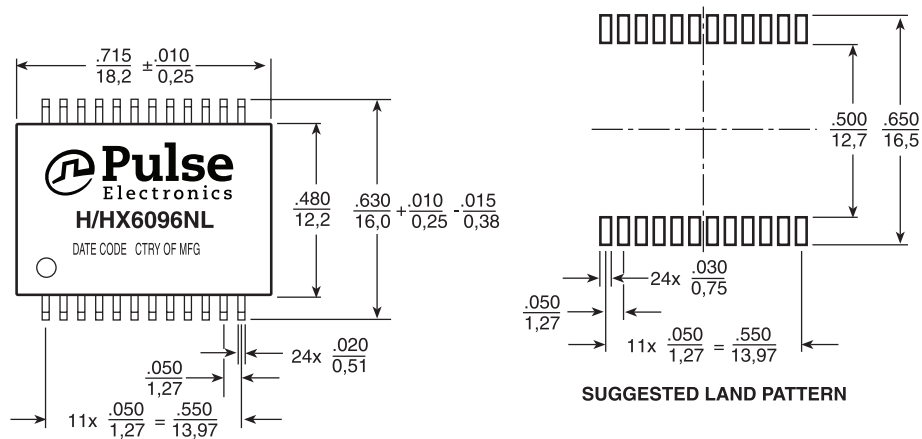
Part Number	PoE	Turns Ratio		Number of Ports	Insertion Loss (dB Max)			Return Loss (Zout = 100 Ω ±15%)				Crosstalk (adjacent channels dB MIN)			Hipot (Vrms MIN)
		Tx	Rx		0.1 MHz	100 MHz	125 MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H6096NL ^{2a}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-14.4	-12	-10	-41	-37	-33	1500
HX6096NL ^{1, 2a}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-14.4	-12	-10	-41	-37	-33	1500

Notes:

- HX = Extended temperature version -40°C tp +85°C
- MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5
- For Tape & Reel packaging, add a "T" suffix to the end of the part number when ordering, e.g. H6096NLT

Mechanicals

H6096NL, HX6096NL



Weight1.6 grams
Tape & Reel250/reel
Tube25/tube

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

USA 858 674 8100

Germany 49 7032 7806 0

Singapore 65 6287 8998

Shanghai 86 21 62787060

China 86 755 33966678

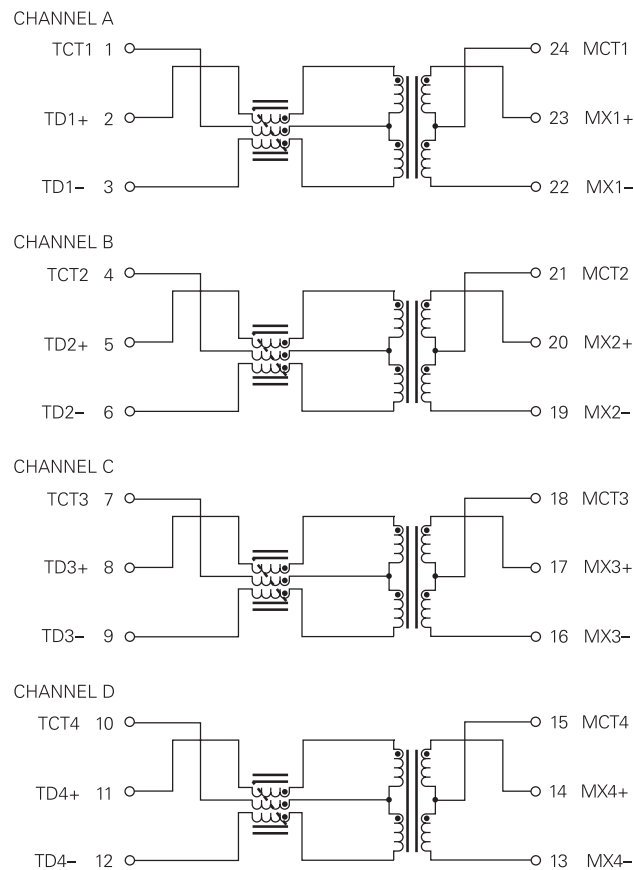
Taiwan 886 3 4356768

PoE* Plus Gigabit Transformer Modules

*Power over Ethernet

Schematic

H6096NL, HX6096NL



For More Information

Pulse Worldwide Headquarters
12220 World Trade Drive
San Diego, CA
92128
U.S.A.

Tel: 858 674 8100

Pulse Europe
Einsteinstrasse 1
D-71083 Herrenberg
Germany

Tel: 49 7032 7806

Pulse China Headquarters
B402, Shenzhen Academy of
Aerospace Technology Bldg.
10th Kejinan Road
High-Tech Zone
Nanshan District
Shenzhen, PR China
518057

Pulse North China
Room 2704/2705
Super Ocean Finance
Ctr.
2067 Yan An Road
West
Shanghai 200336
China

Pulse South Asia
135 Joo Seng Road
#03-02
PM Industrial Bldg.
Singapore 368363

Tel: 65 6287 8998
Fax: 65 6287 8998

Pulse North Asia
3F, No. 198
Zhongyuan Road
Zhongli City
Taoyuan County 320
Taiwan R. O. C.
Tel: 886 3 4356768
Fax: 886 3 4356823
(Pulse)

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