

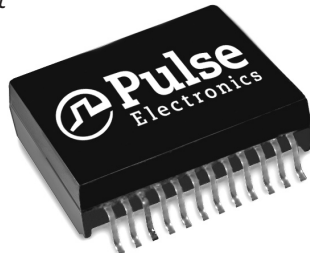


**THE DATASHEET OF
HX6096NL**



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

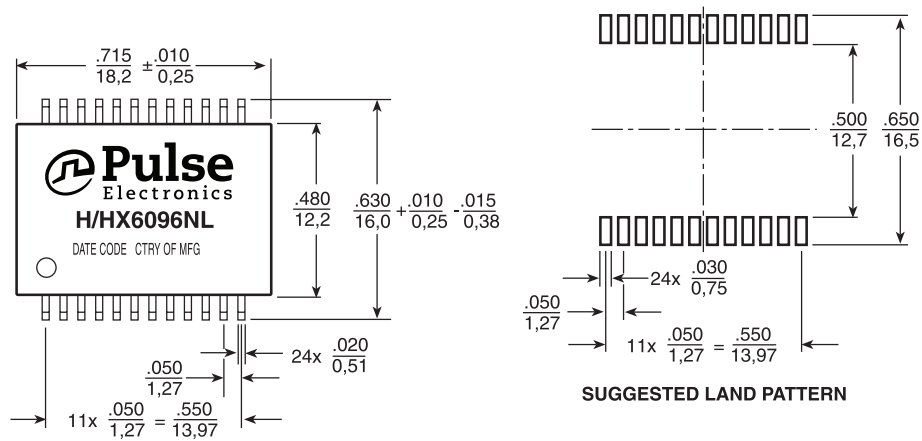
Part Number	PoE	Turns Ratio		Number of Ports	Insertion Loss (dB Max)			Return Loss (Zout = 100 Ω ±15%)				Crosstalk (adjacent channels dB MIN)			Hipot (Vrms MIN)
		Tx	Rx		0.1 MHz	100 MHz	125 MHz	30 MHz	60 MHz	80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H6096NL ^{2a}	Yes	1:1	1:1	1	-1.1	-1.0	-2.0	-18	-14.4	-12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

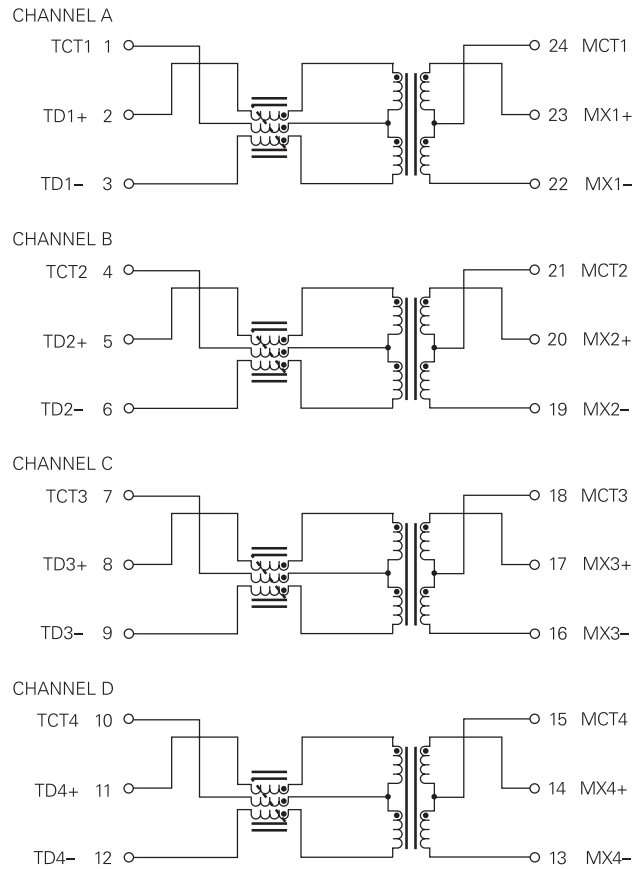
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PoE* Plus Gigabit Transformer Modules

*Power over Ethernet

Schematic

H6096NL, HX6096NL



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