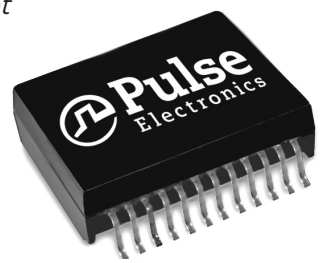
PoE* Plus
Gigabit Transformer Modules

**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 (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	
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:

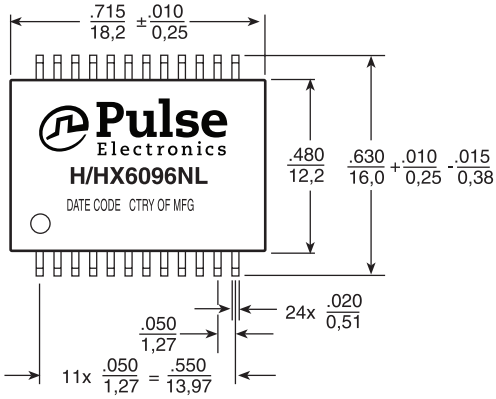
1. HX = Extended temperature version -40°C tp +85°C

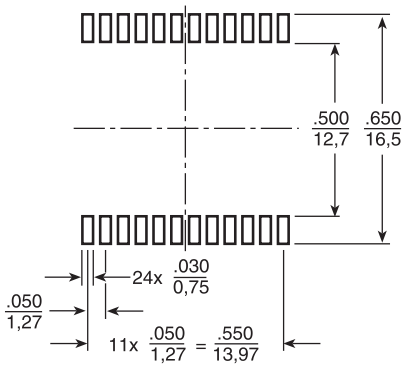
2. MSL = Moisture Sensitivity Level a=1 b=2 c=3 d=4 e=5

3. ForTape & Reel packaging, add a "**T**" suffix to the end of the part number when ordering, e.g. H6096NL**T**

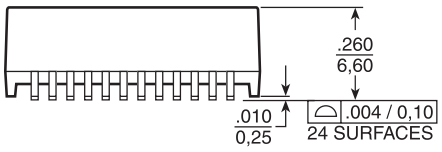
Mechanicals

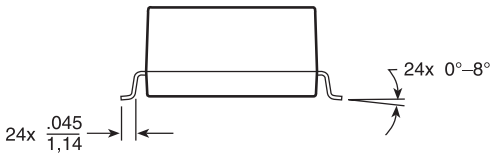
H6096NL, HX6096NL





SUGGESTED LAND PATTERN





Weight .....1.6 grams
Tape & Reel 250/reel
Tube 25/tube

Dimensions: Inches / mm Unless otherwise specified, all tolerances are ± .010 / 0,25

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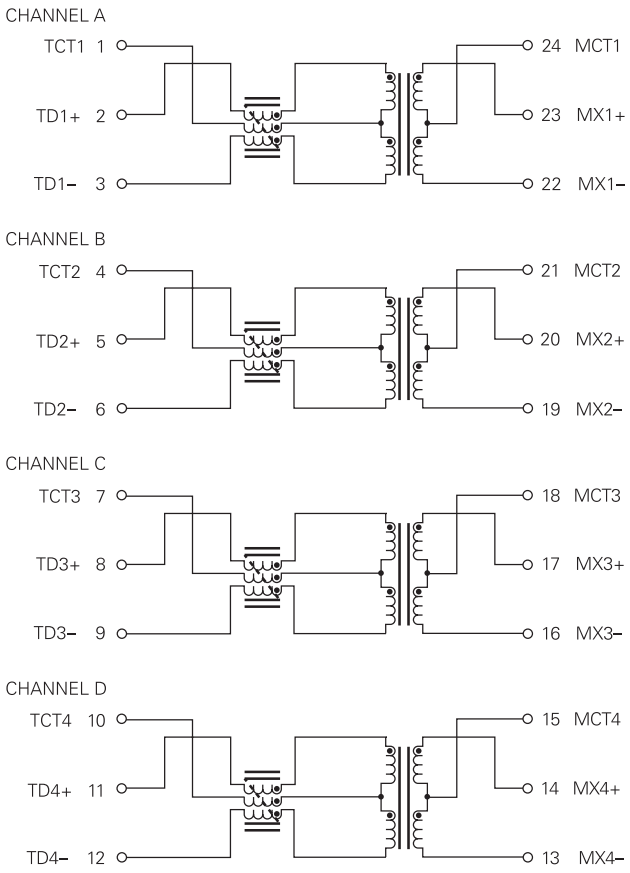
Schematic

H6096NL, HX6096NL



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