

1000BASE-T MINI-MAGNETICS MODULES

Designed to Support 1:1 Turns Ratio Transceivers



- Smallest footprint to minimize board space
- Compliant with IEEE 802.3ab standard for 1000BASE-T
- Peak solder temperature rating per Table 5-2 in IPC/JEDEC J-STD-020C

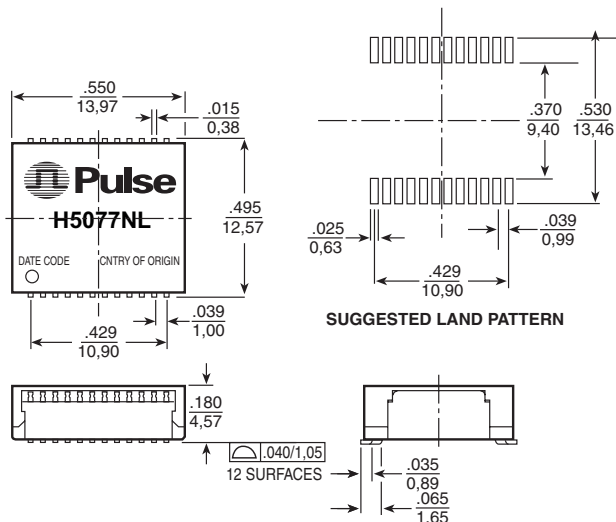
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part ^{1, 2} Number	Number of Ports	Insertion Loss (dB MAX)	Return Loss (dB MIN)					Differential to Common Mode Rejection (dB MIN)			Crosstalk (dB MIN)			Hipot (Vrms MIN)
			1-100 MHz	1-30 MHz	40-50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H5077NL	1	1	-18	-16	-12	-10	-10	-43	-37	-33	-45	-40	-35	1500
H5079NL	1	1	-18	-16	-12	-10	-10	-43	-37	-33	-45	-40	-35	1500

- Add "T" to the end of the part number for tape-and-reel option, e.g. H5077NL becomes H5077NLT.
- MSL = Moisture Sensitivity Level = 1.

Mechanicals

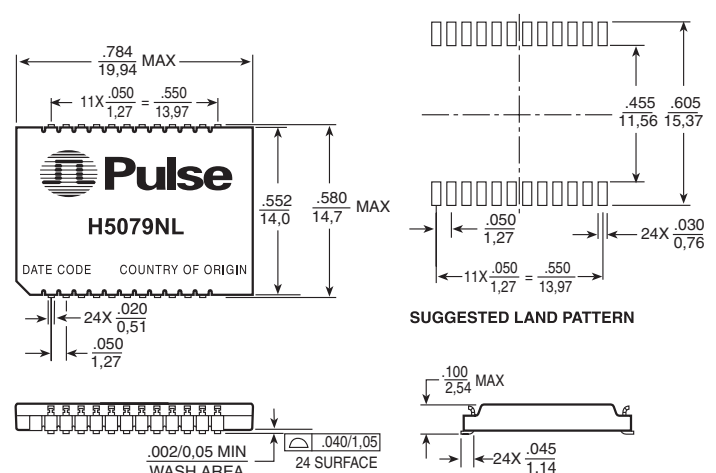
H5077NL



Weight 1.2 grams
Tape & Reel400
Tube30

Dimensions: $\frac{\text{Inches}}{\text{mm}}$ Unless otherwise specified, all tolerances are $\pm \frac{.010}{.025}$

H5079NL



Weight 1.0 grams
Tape & Reel700
Tube20

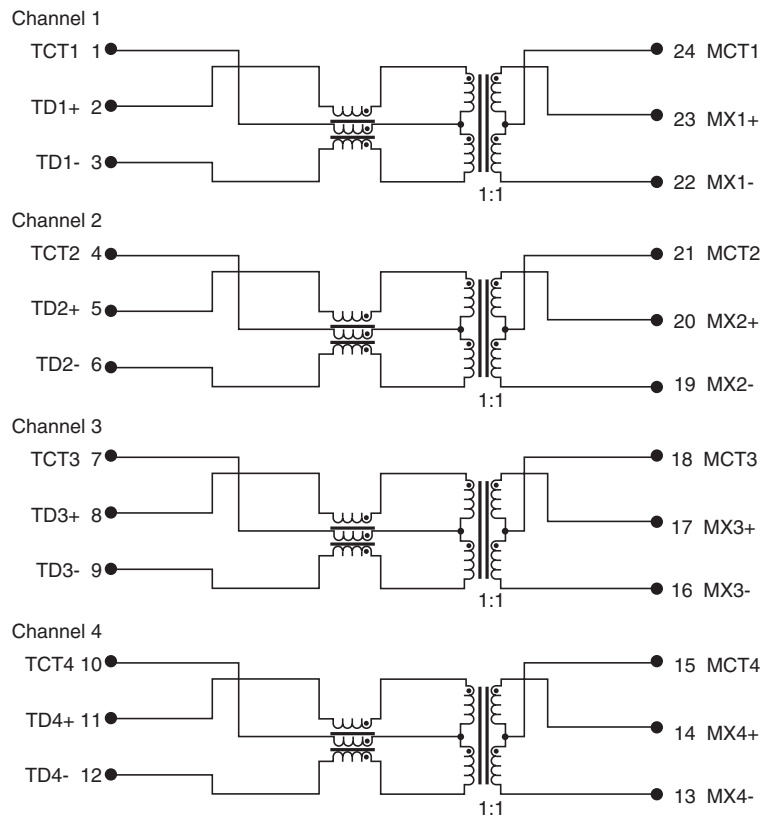
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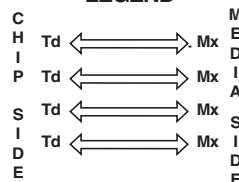


Schematic

H5077NL, H5079NL



LEGEND



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