

## 阅读申明

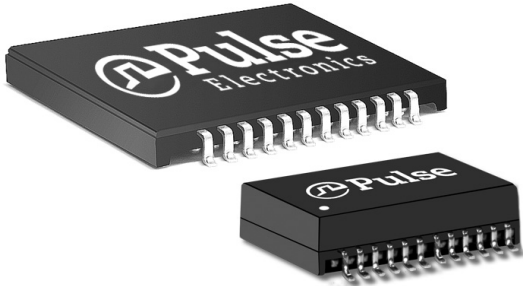
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# 1000Base-T Low Profile Magnetics Module

Designed to Support 1:1 Turns Ratios Receivers



- RoHS-6 peak reflow temperature rating 245°C
- Low profile package for mobile computer applications
- Compliant with IEEE 802.3ab standard

## Electrical Specifications @ 25°C - Operating Temperature 0°C to 70°C

Part Number <sup>1</sup>	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100Ω)		Differential to Common Mode Rejection (dB MIN)	Crosstalk (dB MIN)	Hipot (Vrms MIN)
	1-100 MHz	1-40 MHz	40-100 MHz	30-100 MHz	30-100 MHz	
H5019NL	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
H5019BNL	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
HX5019BNL <sup>3</sup>	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500
HX5180NL <sup>3</sup>	-1.0	-18	-12 + 20*LOG10 (f/80)	-43 + 22*LOG10 (f/30)	-55 + 24*LOG10 (f/10)	1500

**Notes:**

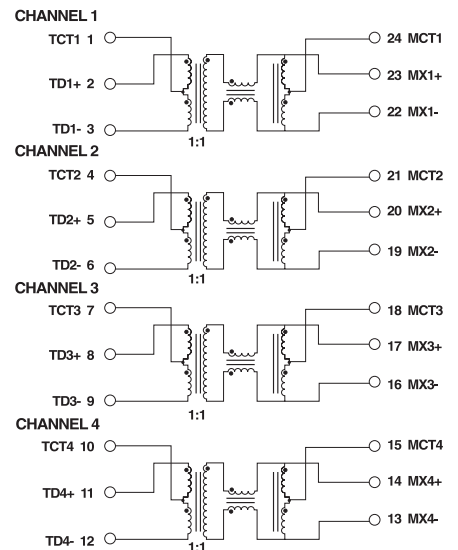
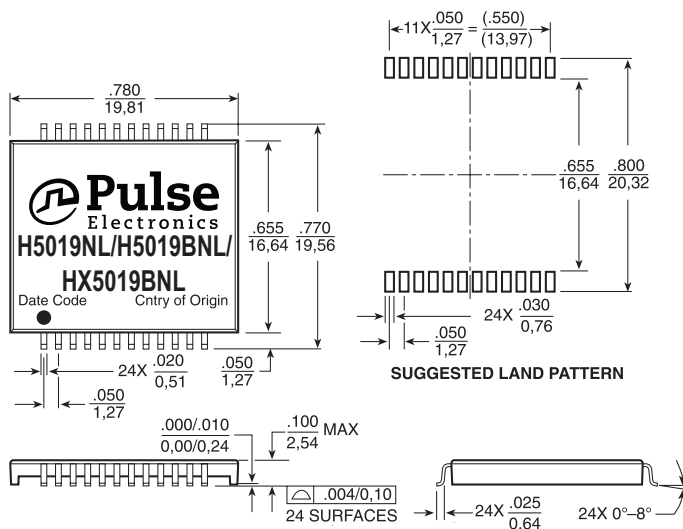
1. For Tape & Reel packaging, add a "T" suffix at the end of the part number, e.g. H5019NLT.
2. MSL: Moisture Sensitivity Level = 1
3. Extended Temperature: -40°C to +85°C

### Mechanicals

### Schematic

#### H5019NL/H5019BNL/HX5019BNL

#### H5019NL

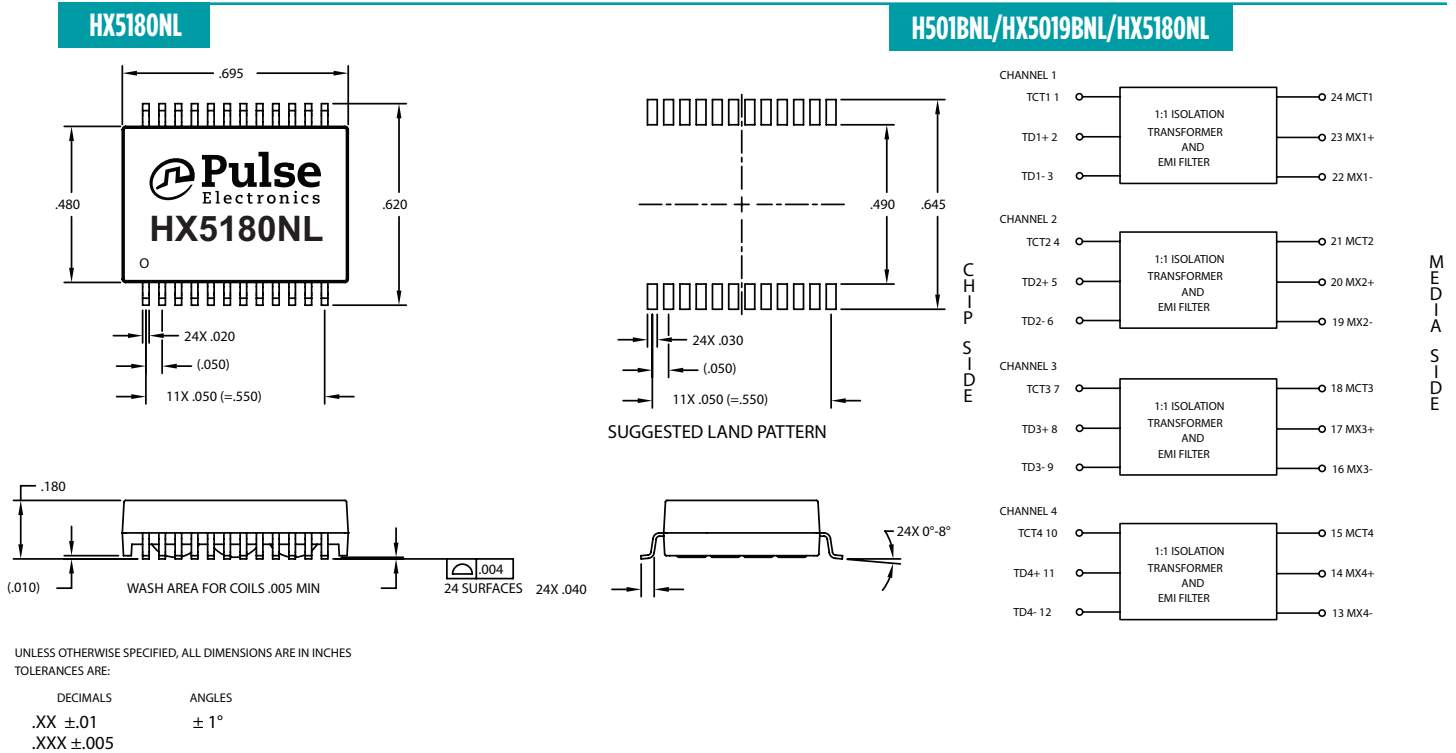


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## Mechanicals

## Schematic



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