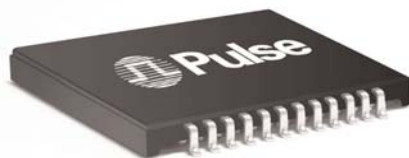


Designed to Support 1:1 Turns Ratio Transceivers



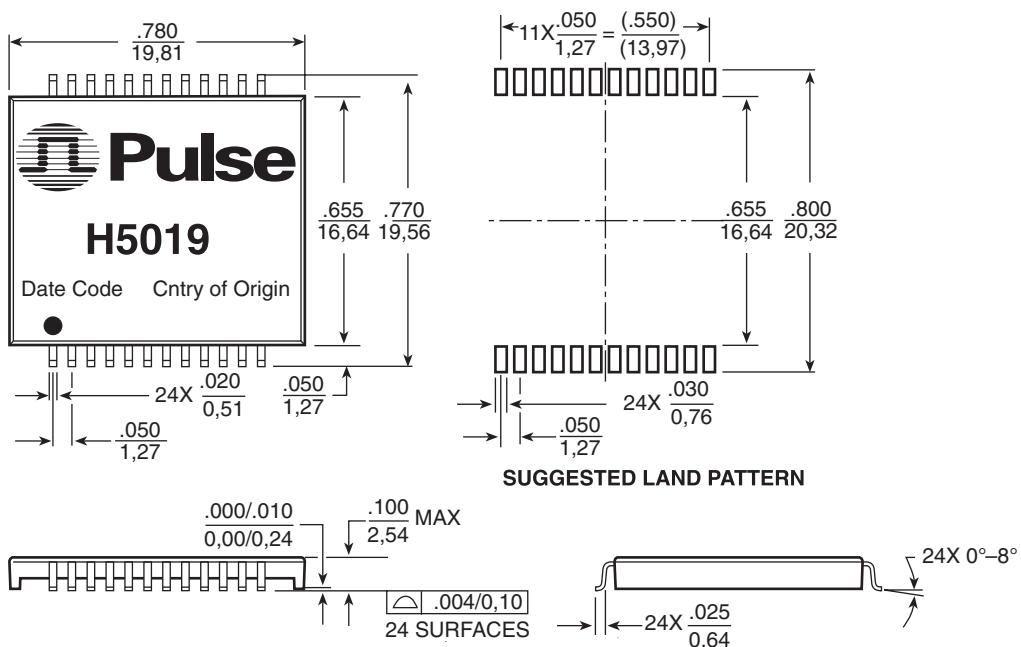
- Low profile package for mobile computer applications
- Designed for Ethernet 10/100/1000Base-T applications
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3ab standard

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

Part Number	Insertion Loss (dB MAX)	Return Loss (dB MIN @ 100 Ω)		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	
H5019	-1.0	-18	-12 + 20*LOG ₁₀ (f/80)	-43 + 22*LOG ₁₀ (f/30)	-55 + 24*LOG ₁₀ (f/10)	1500

Mechanical

H5019



Weight	1.4 grams
Tape & Reel	.700
Tube	.25

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

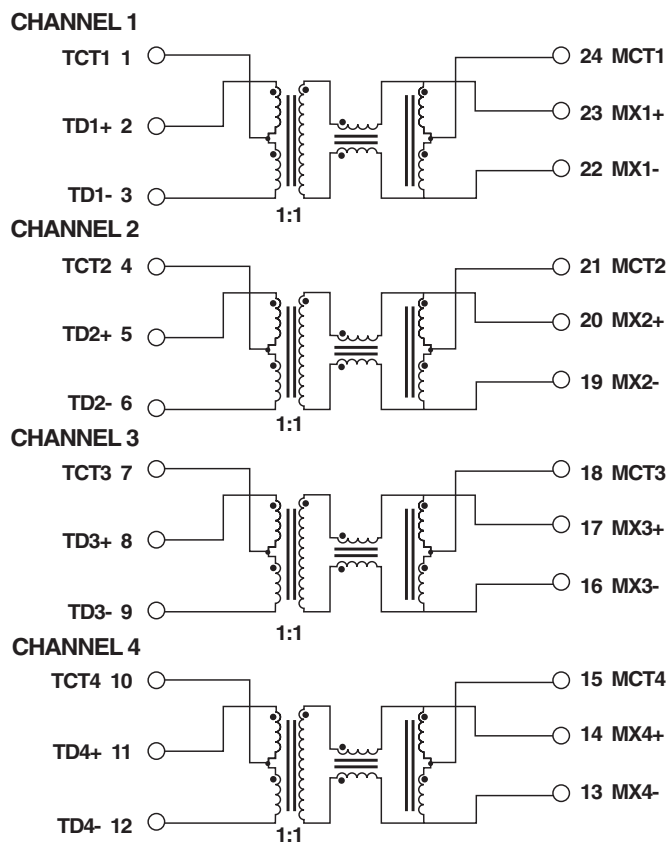
1000BASE-T LOW PROFILE MAGNETICS MODULE

Designed to Support 1:1
Turns Ratio Transceivers

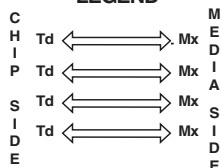


Schematic

H5019



LEGEND



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