

1000BASE-T MAGNETICS MODULE

Designed to Support Gigabit Transceivers



- Designed for Long-haul Gigabit Ethernet (10/100/1000Base-T) applications
- Cable interface for isolation and low common mode emissions
- Smallest footprint to minimize board space
- Compliant with IEEE 802.3ab standard
- Compliant with RoHS Directive with peak solder rating of 240°C

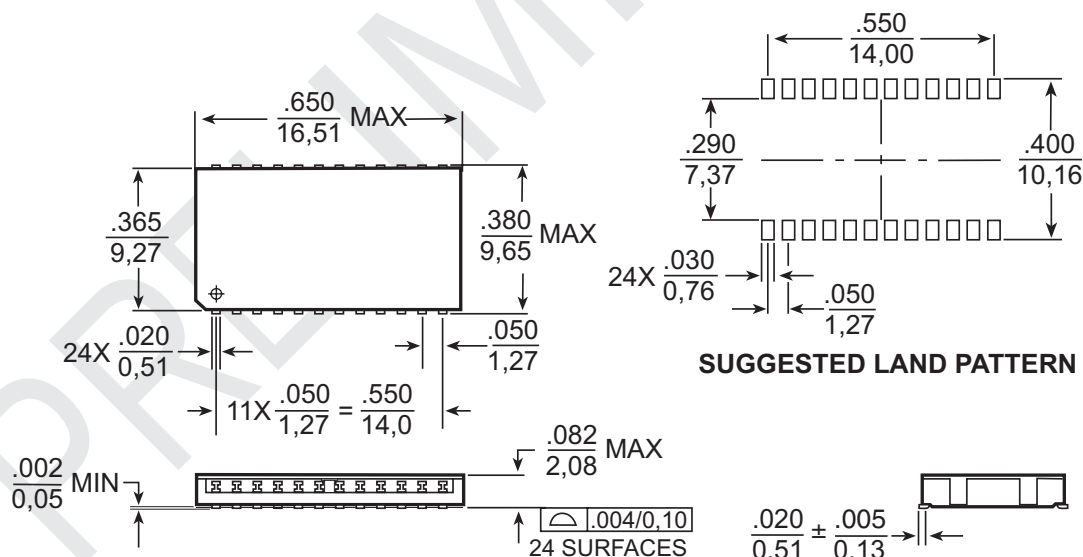
Electrical Specifications @ 25°C — Operating Temperature 0°C to 70°C

Part Number	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	1-30 MHz	40-50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz		
H5120NL ¹	1.0	-18	-16	-12	-10	-43	-37	-33	-45	-40	35	1500	

1. Add "T" to the end of the part number for Tape & Reel option. For example, H5120NL becomes H5120NLT.

Mechanical

H5120NL



Weight054 grams
Tape & Reel1300
Tube30

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

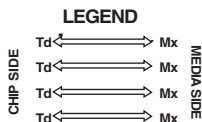
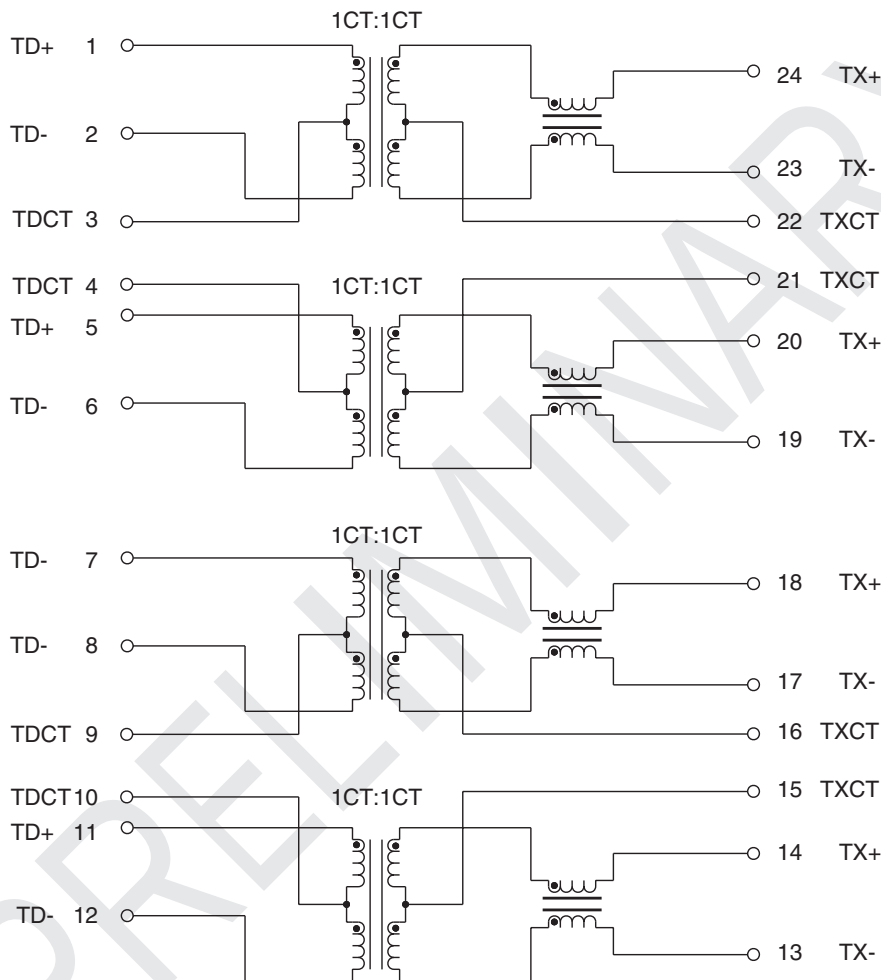
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Schematic

H5120NL



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PRELIMINARY H550.P (4/06)