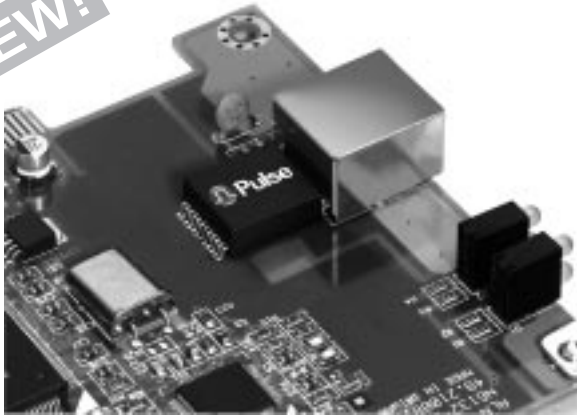


1000BASE-T MAGNETICS MODULES

Designed to Support
1:1 Turns Ratio Transceivers



NEW!



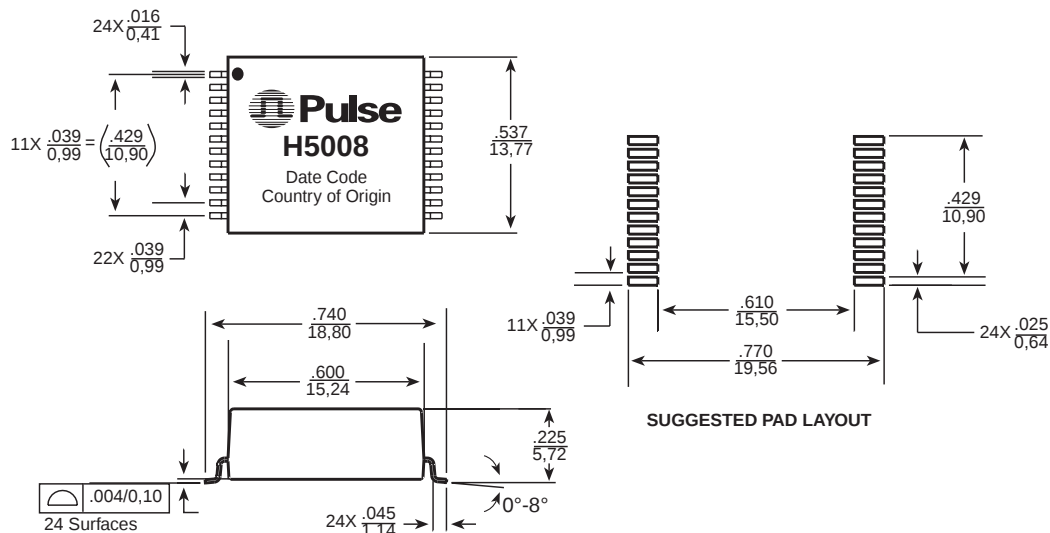
- Smaller package to fit behind RJ-45 Connector
- Designed for long haul Gigabit Ethernet 100/1000Base-T, full duplex applications
- Supports 4 pairs of category 5 UTP cable
- Cable interface for isolation and low common mode emissions
- Compliant with IEEE 802.3ab standard for 1000Base-T

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 MHz	50 MHz	60-80 MHz	100 MHz	30 MHz	60 MHz	100 MHz	30 MHz	60 MHz	100 MHz	
H5008	1.0	-18	-14.4	-13.1	-12	-10	-10	-43	-37	-33	-45	-40	-35	1500
H5009	1.0	-18	-14.4	-13.1	-12	-10	-10	-43	-37	-33	-45	-40	-35	1500

Mechanical

H5008, H5009



Weight 1.6 grams
Tape & Reel300
Tube35

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

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H502.P PRELIMINARY (7/99)

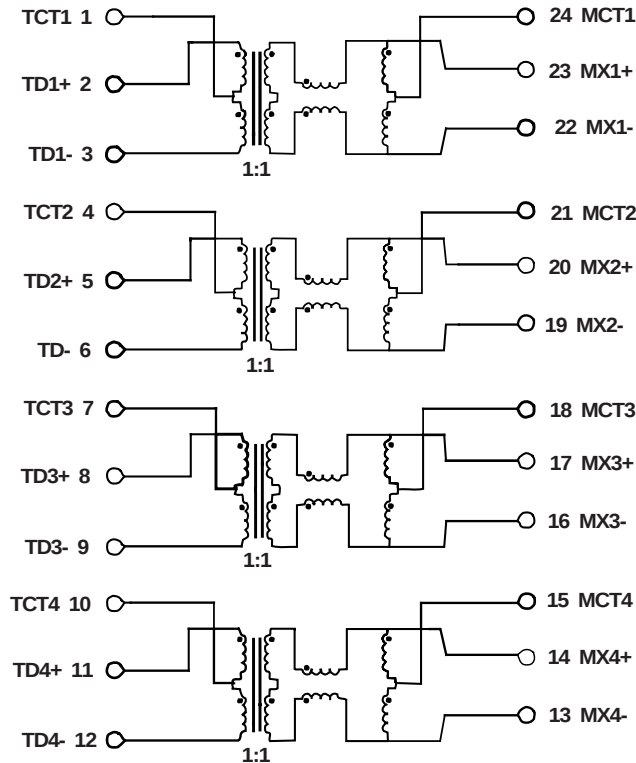
1000BASE-T MAGNETICS MODULES

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1:1 Turns Ratio Transceivers



Schematics

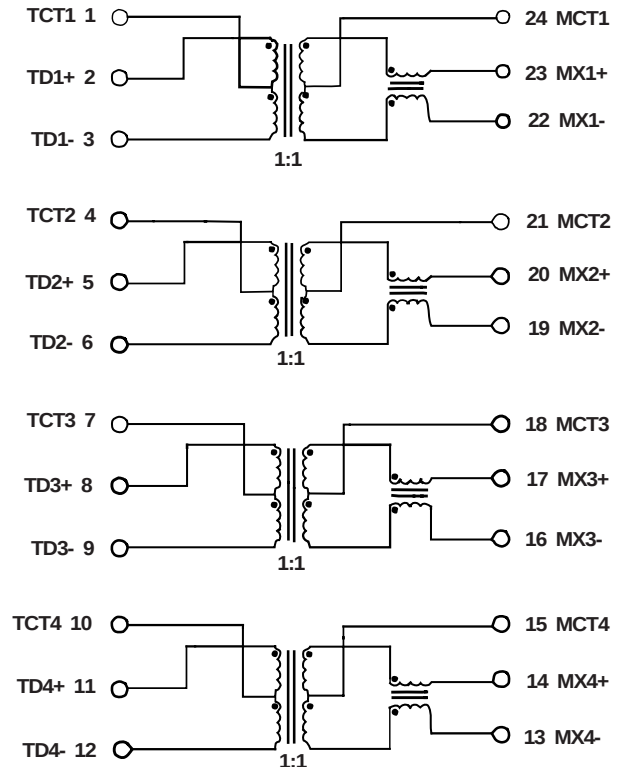
H5008



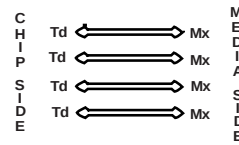
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H5009



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