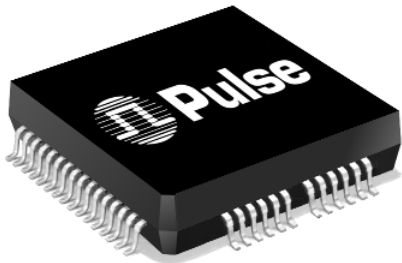


HIGH SPEED LAN MAGNETICS MODULES

Designed for 100 Mbps and 155 Mbps
Transmission Over UTP-5 Cable



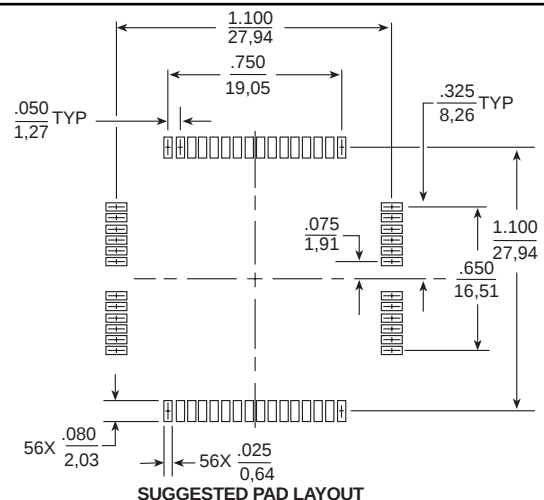
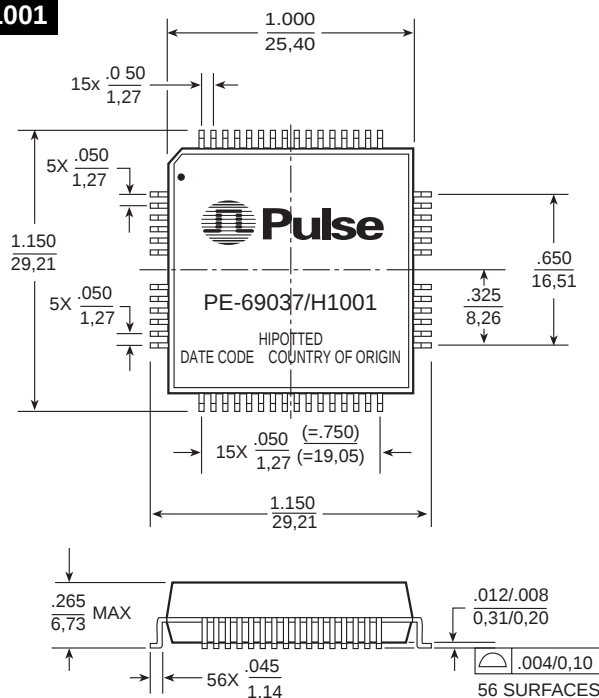
- ⦿ Exceeds IEEE 802.3u and ANSI X3.263 standards
- ⦿ 155 ATM, 10/100Base-TX and TP-FDDI applications
- ⦿ Fully integrated modules for multiport concentrators
- ⦿ Four integrated transmit and receive channels
- ⦿ Pick and place compatible

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

Part Number	Insertion Loss (dB TYP)	Return Loss (dB TYP)					Differential to Common Mode Rejection (dB TYP)				Crosstalk (dB TYP)				Hipot (Vrms MIN)
	0.1-100 MHz	5 MHz	30 MHz	40 MHz	50 MHz	100 MHz	32 MHz	62 MHz	100 MHz	200 MHz	1 MHz	32 MHz	62 MHz	100 MHz	
PE-69037	-.6	-22	-22	-19	-14.5	-12.5	-45	-40	-35	-20	-50	-40	-38	-35	1500
H1001	-.6	-22	-22	-19	-14.5	-12.5	-45	-40	-35	-20	-50	-40	-38	-35	1500

Mechanical

PE-69037, H1001



Dimensions: $\frac{\text{Inches}}{\text{mm}}$

Unless otherwise specified, all tolerances are $\pm \frac{.010}{0.25}$

Weight9 grams
Tray36/tray

HIGH SPEED LAN MAGNETICS MODULES

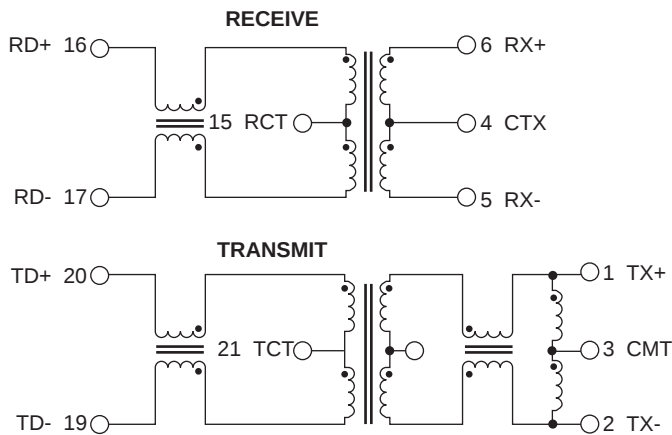
Designed for 100 Mbps and 155 Mbps
Transmission Over UTP-5 Cable



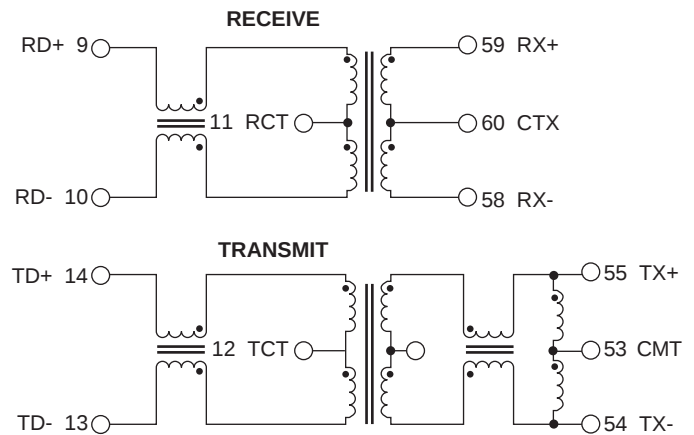
Schematic

PE-69037

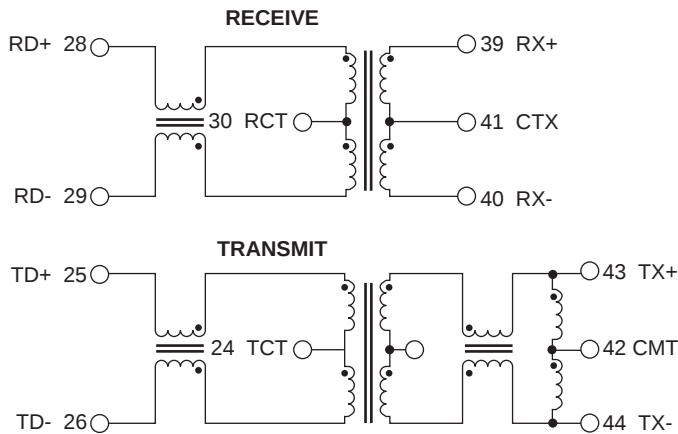
CHANNEL 1



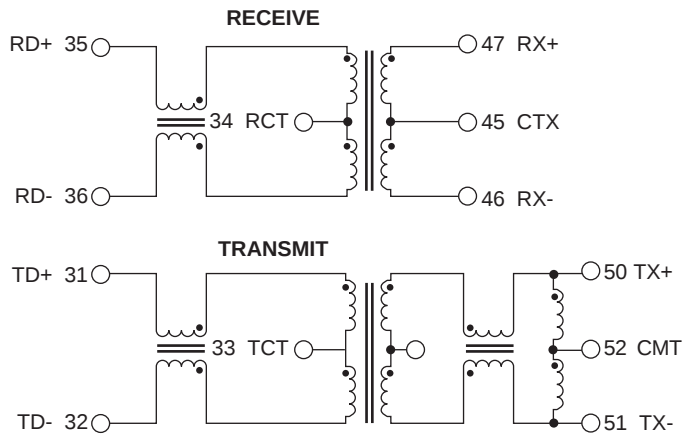
CHANNEL 2



CHANNEL 3



CHANNEL 4



HIGH SPEED LAN MAGNETICS MODULES

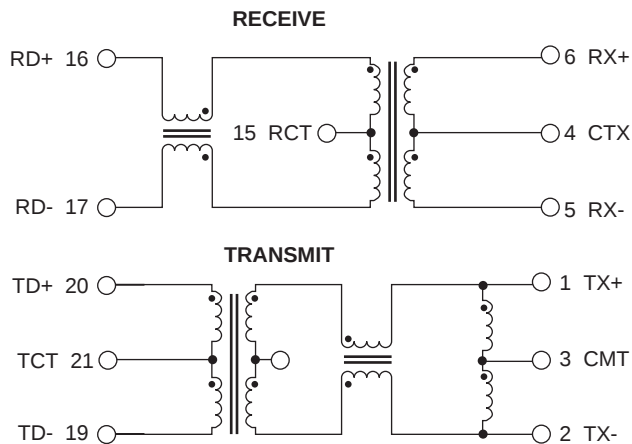
Designed for 100 Mbps and 155 Mbps
Transmission Over UTP-5 Cable



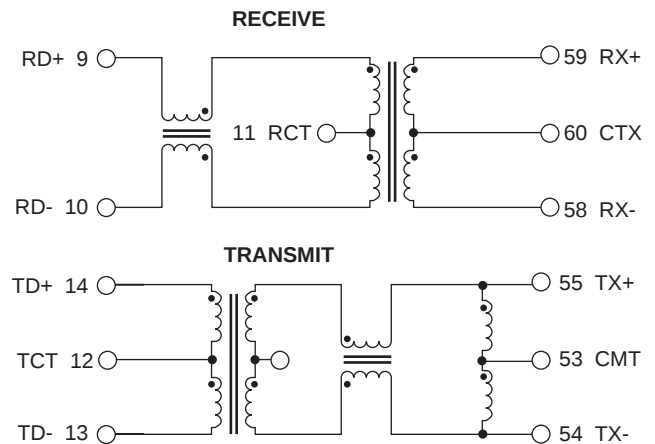
Schematic

H1001

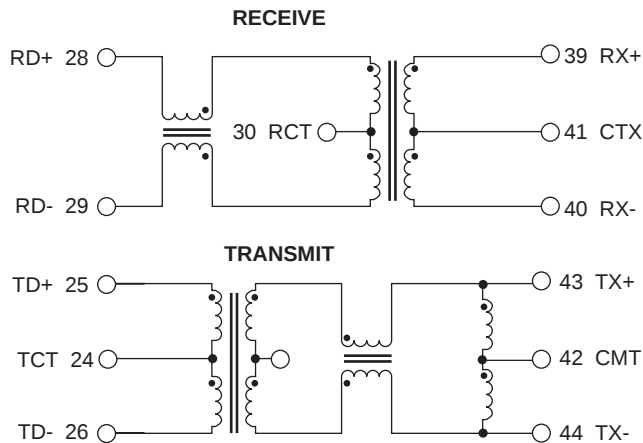
CHANNEL 1



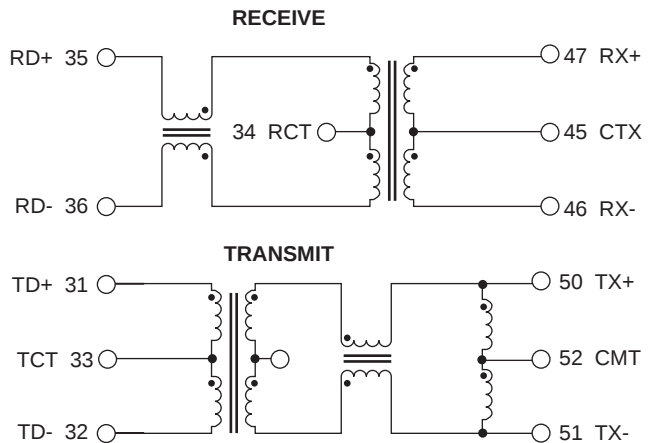
CHANNEL 2



CHANNEL 3



CHANNEL 4

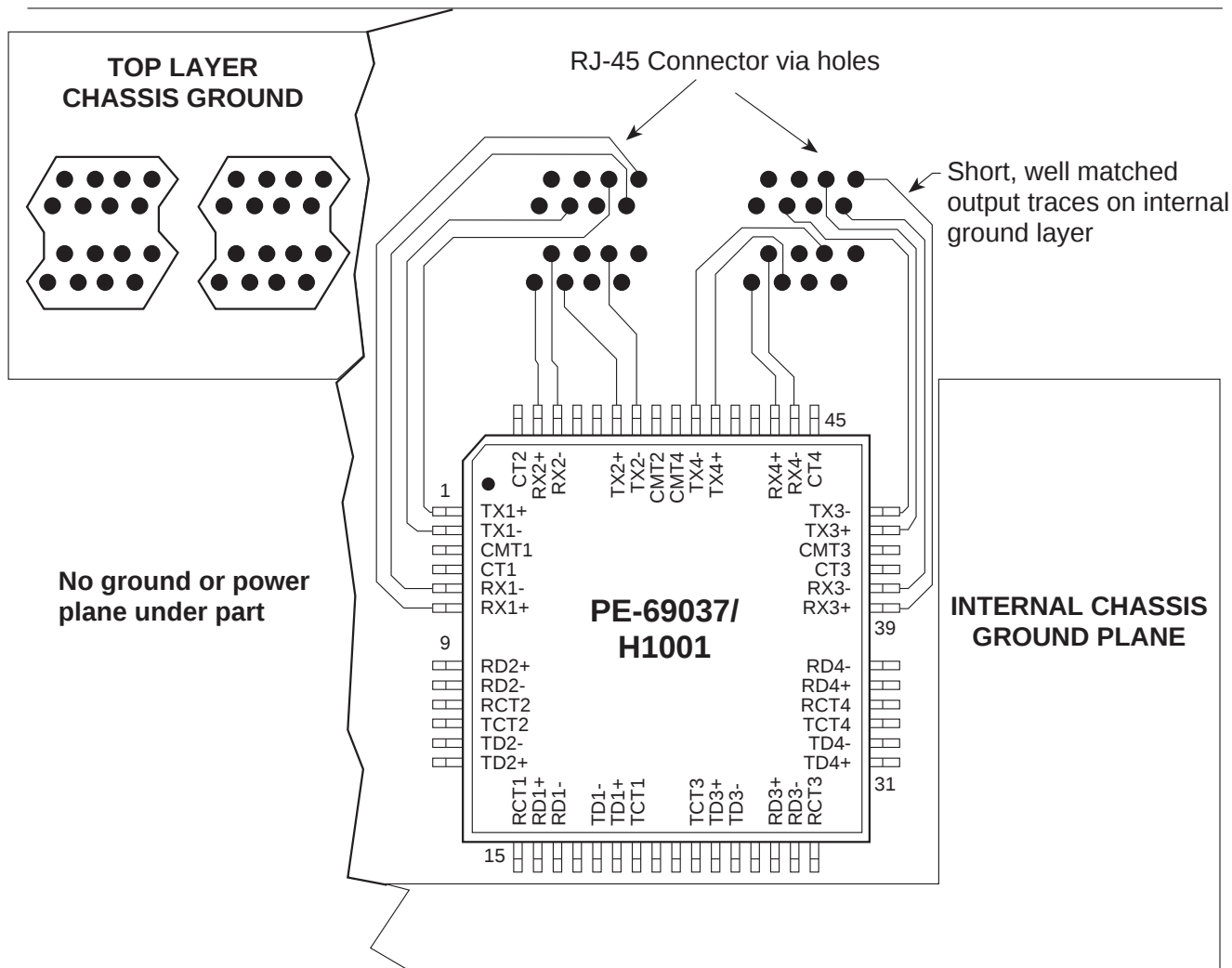


HIGH SPEED LAN MAGNETICS MODULES

Designed for 100 Mbps and 155 Mbps
Transmission Over UTP-5 Cable



Recommended Pinout and Layout



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