

Bothhand USA G2P041X LF MAGNETICS MODULES

Datasheet

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Designed for Ethernet 100/1000 BASE-T, full duplex applications.

Supports 8 pairs of category 5 UTP cable.

Cable interface for isolation and low common mode emissions.

Compliant with IEEE 802.3ab standard for 1000 BASE-T.

Compliance with ROHS requirements.

Operating temperature range: 0 to +70.

Storage temperature range: -25 to +85.

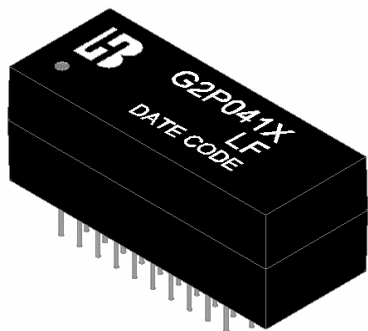
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1000 BASE –T DUAL PORT
MAGNETICS MODULES
P/N: G2P041X LF DATA SHEET



Feature

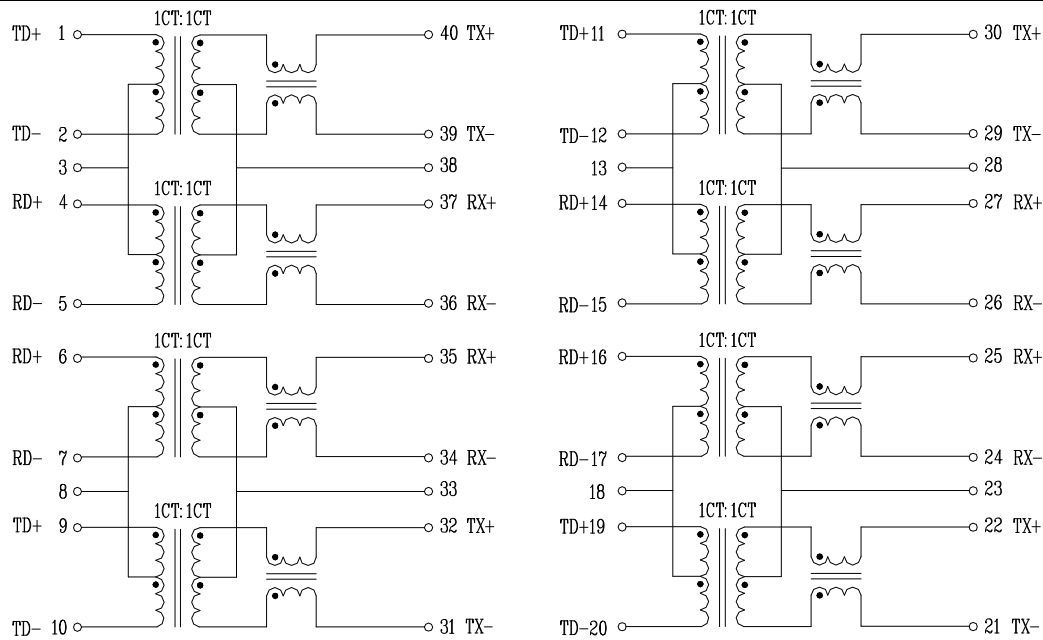


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- Storage temperature range: -25°C to +85°C.

Electrical Specifications @ 25°C							
Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V with 8mA DC Bias	Cross talk Attenuation (dB Min)			HI-POT (Vrms)
	TX	RX		30MHz	60MHz	100MHz	
G2P041X LF	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100 Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
G2P041X LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33

Schematic

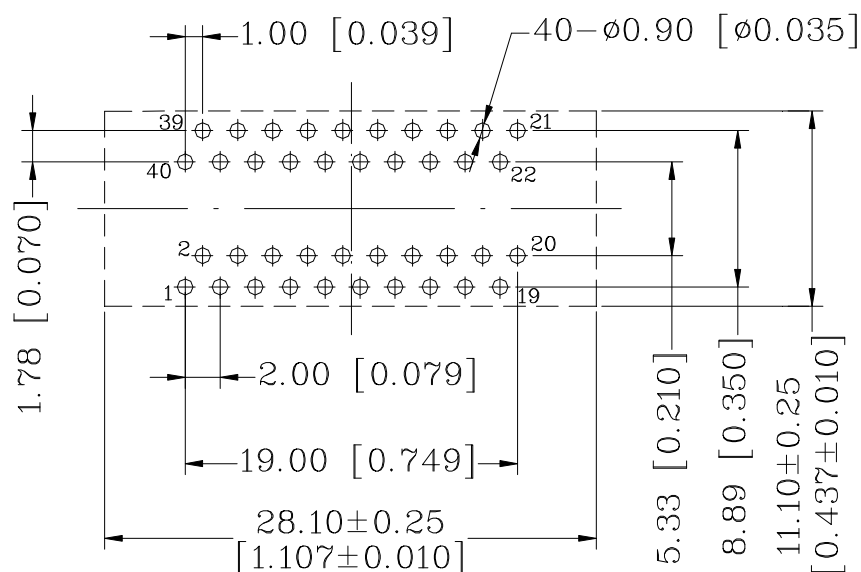


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The drawing illustrates the mechanical specifications of the G2P041XLF package. The top view shows a rectangular footprint with a width of 28.10 mm [1.107] and a height of 11.10 mm [0.437]. The front view shows a package height of 11.00 mm [0.433] and a pin pitch of 2.50 mm [0.099]. The side view shows a pin diameter of 0.40 mm [0.016], a pin spacing of 5.33 mm [0.210], and a total pin width of 8.89 mm [0.350]. The package is marked with the LG logo, part number G2P041X, suffix LF, and a date code.

View	Dimension	Value (mm)	Value (inches)
Top View	Width	28.10	1.107
	Height	11.10	0.437
Front View	Height	11.00	0.433
	Pin Pitch	2.50	0.099
Side View	Pin Diameter	0.40	0.016
	Pin Spacing	5.33	0.210
	Total Pin Width	8.89	0.350
	Package Width	19.00	0.749

PCB Layout mounting Hole (Top View)



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