

Bothhand USA PG2Pxxx LF MAGNETICS MODULES

Datasheet

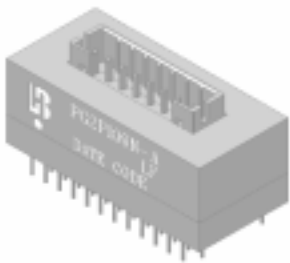
<http://www.manuallib.com/bothhand-usa/pg2pxxx-lf-magnetics-modules-datasheet.html>

- .. 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 802.3at standard for 1000 BASE-T.
- .. Compliance with ROHS requirements.
- .. Operating temperature range: -40 to +85.
- .. Storage temperature range: -40 to +85.

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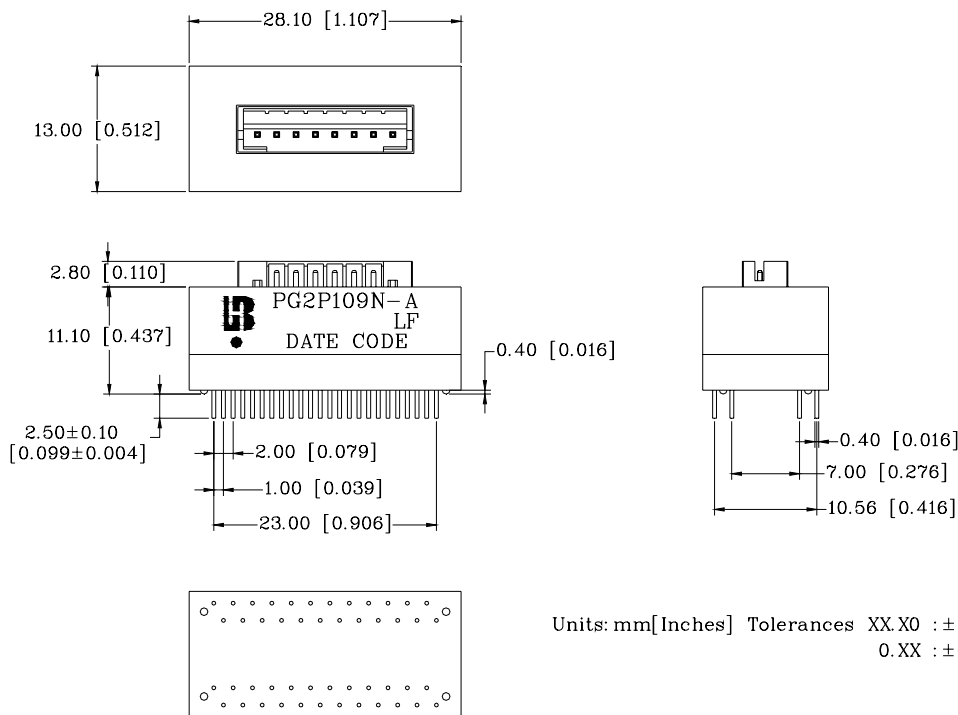
Electrical Specifications @ 25							
Part Number	Turns Ratio (±5%)		Cross talk Attenuation (dB Min)			MECH	HI-POT (Vrms)
	TX	RX	30MHz	60MHz	100MHz		
PG2P109N-A LF	1CT:1CT	1CT:1CT	-40	-35	-30	PG-A	1500
PG2P109N-C LF	1CT:1CT	1CT:1CT	-40	-35	-30	PG-A	1500
PG2P109NY LF	1CT:1CT	1CT:1CT	-40	-35	-30	PG-A	1500
PG2P109RNY LF	1CT:1CT	1CT:1CT	-40	-35	-30	PG-A	1500

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)@ Load 100Ω					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
PG2P109N-A LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33
PG2P109N-C LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33
PG2P109NY LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33
PG2P109RNY LF	-1.0	-18	-14.4	-13.1	-12	-10	-43	-37	-33

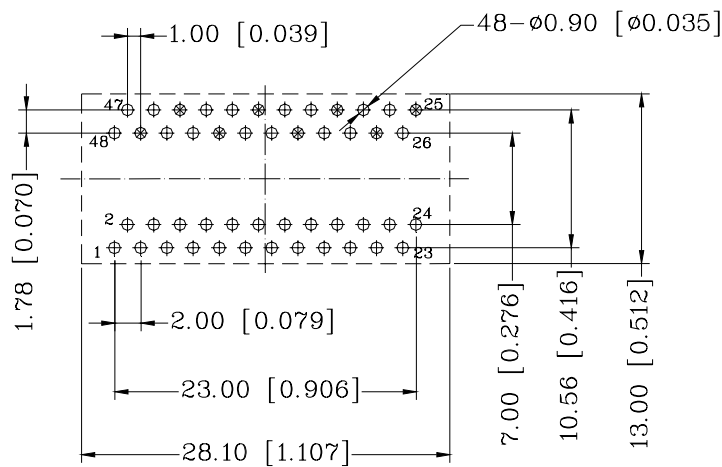
For customized parts or more detailed information, please log on www.bothhandusa.com or write to sales@bothhandusa.com

Mechanical

PG-A



PCB Layout mounting Hole (Top View)



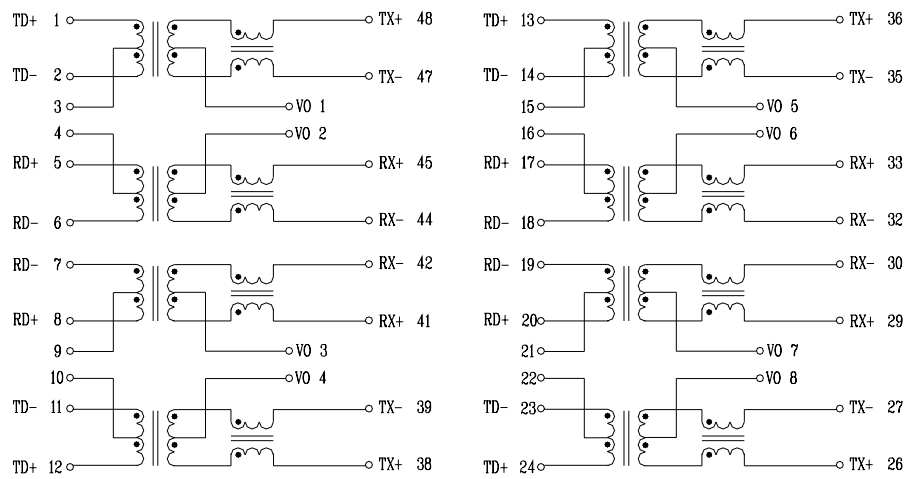
Units: mm[Inches] Tolerance: xx.x0±0.25[0.010]
0.xx±0.05[0.002]

⊗ 代表空腳位

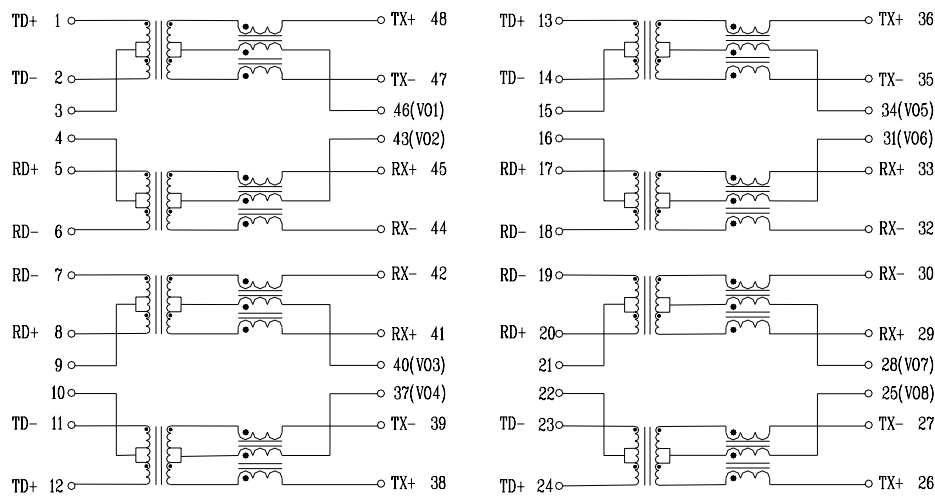
Specifcation	Packing Manner	Q'ty per Tube/Reel	Q'ty/ Inner box	Q'ty/Carton
PG-A	TUBE	17	595	1190

Schematics

PG2P109N-A LF/ PG2P109N-C LF



PG2P109NY LF



PG2P109RNY LF

