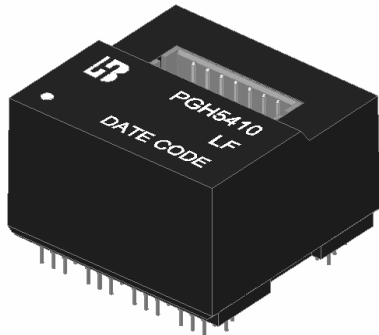


1000 BASE –T QUAD PORT
MAGNETICS MODULES
P/N: PGH5410 LF DATA SHEET



Feature

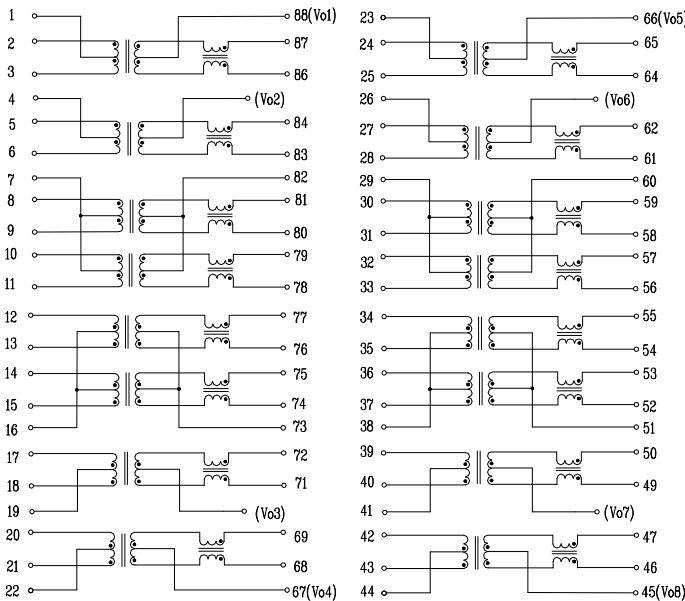


- Complying with IEEE 802.3af standard for 1000 BASE-T , full duplex applications.
- Supports 16 pairs of category 5 UTP cable.
- Cable interface for isolation and low common mode emissions.
- Complying with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
- Storage temperature range: -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	
PGH5410 LF	1CT:1CT	1CT:1CT	350	-40	-35	-30	1500

Continue									
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min @100Ω)					DCMR (dB Min)		
	1-100MHz	1-30MHz	40MHz	50MHz	60-80MHz	100MHz	30MHz	60MHz	100MHz
PGH5410 LF	-1.0	-18	-16	-14.08	-12.5	-10	-43	-37	-33

Schematic

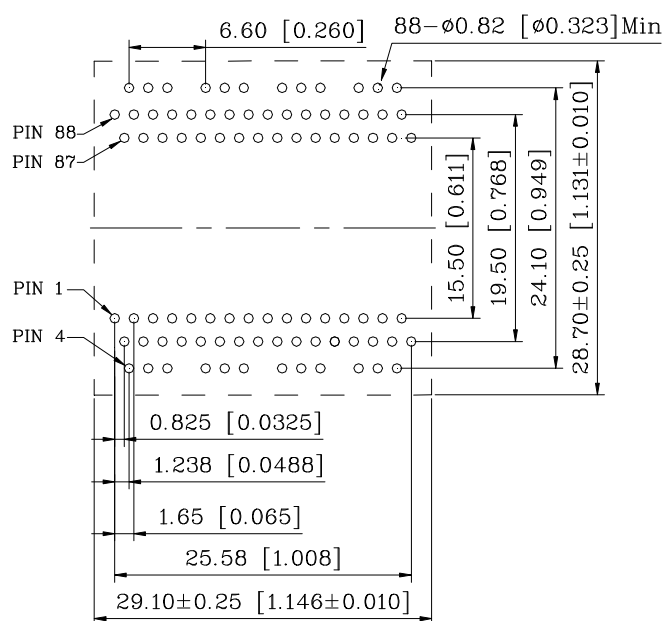


B BOTH HAND USA

The image shows three mechanical drawings of the PGH5410 LF package:

- Top View:** Shows the package footprint with a total width of 29.10 mm [1.146] and a central pin area width of 14.00 mm [0.551]. The pin area is labeled with "Vo1", "...", and "Vo8". The overall height is 28.70 mm [1.130]. The package is marked with the "LB" logo, "PGH5410", "LF", and "DATE CODE".
- Side View (Left):** Shows the package height of 19.50 mm [0.768] Max. The pin pitch is 0.83 mm [0.032]. The pin diameter is $\phi 0.40$ mm [$\phi 0.016$]. The distance from the package body to the pin base is 2.50 mm [0.098]. The distance from the package body to the first pin is 1.65 mm [0.065]. The total distance from the package body to the last pin is 25.58 mm [1.007].
- Bottom View:** Shows the pin layout with a central pin pitch of 15.50 mm [0.610]. The total pin pitch is 19.50 mm [0.768]. The total distance from the package body to the last pin is 24.10 mm [0.949].

PCB Layout mounting Hole (Top View)



 : No electrical