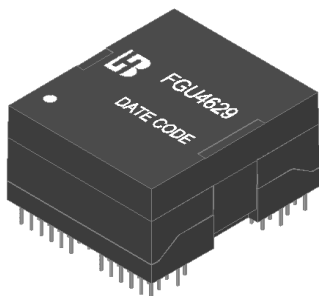


**2.5G/5G BASE –T QUAD PORT
MAGNETICS MODULE
P/N: FGU4629 DATASHEET**



Feature



- Design for 5G ethernet application.
- Complying with IEEE 802.3at standard.
- POE applications with 600mA current capability.
- Complying with ROHS requirements.
- Operating temperature range: 0°C to +70°C.
Storage temperature range: -25°C to +85°C.

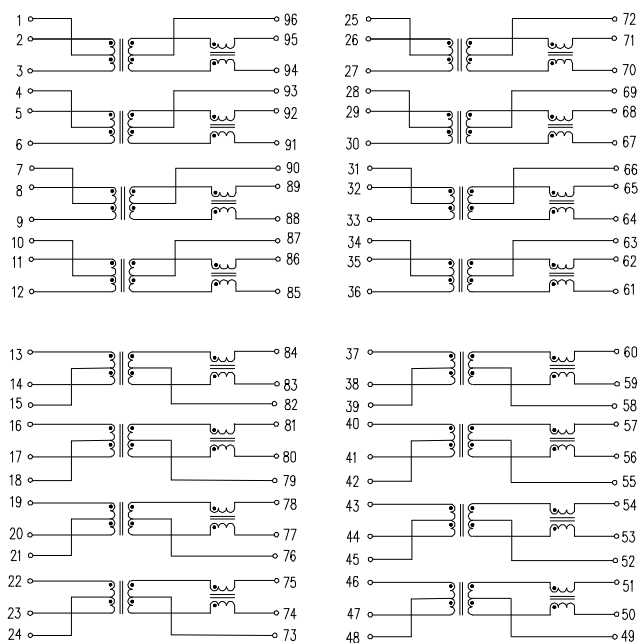
Electrical Specifications @ 25°C

Part Number	Turns Ratio (±3%)		OCL (uH Min) @100KHz/0.1V	Cross talk (dB Min)	HI-POT (Vrms)
	TX	RX		$1 \leq f \leq 250 \text{ MHz}$	
FGU4629	1CT:1CT	1CT:1CT	180	$-(43.1 - 20 \log_{10}(f / 100))$	1500V

Continue

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min)@ Load 100Ω		DCMR (dB Min)	
	$1 \leq f \leq 100 \text{ MHz}$	$100 < f \leq 250 \text{ MHz}$	$1 \leq f \leq 40 \text{ MHz}$	$40 < f \leq 250 \text{ MHz}$	$1 < f \leq 30 \text{ MHz}$	$30 < f \leq 250 \text{ MHz}$
FGU4629	-1.0	-2.0	-16	$-(16 - 10 \log_{10}(f / 40))$	-48	$-(44 - 19.2 \log_{10}(f / 50))$

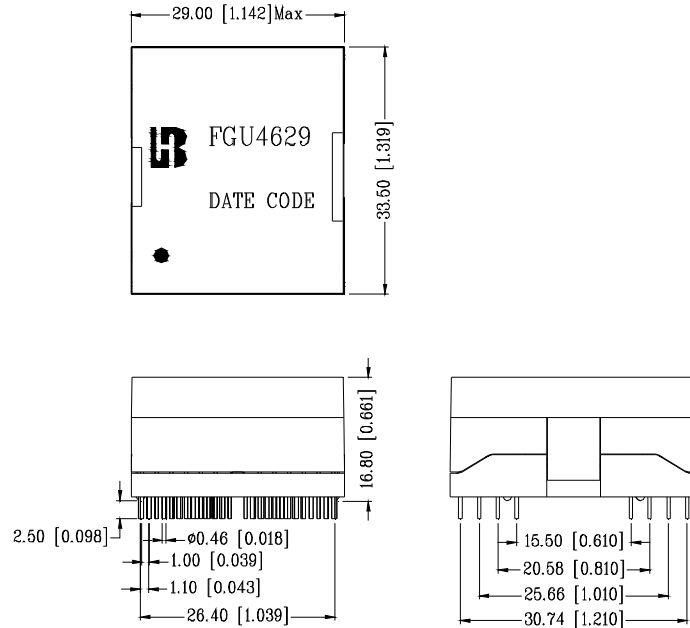
Schematic



2.5G/5G BASE -T QUAD PORT MAGNETICS MODULE P/N: FGU4629 DATASHEET

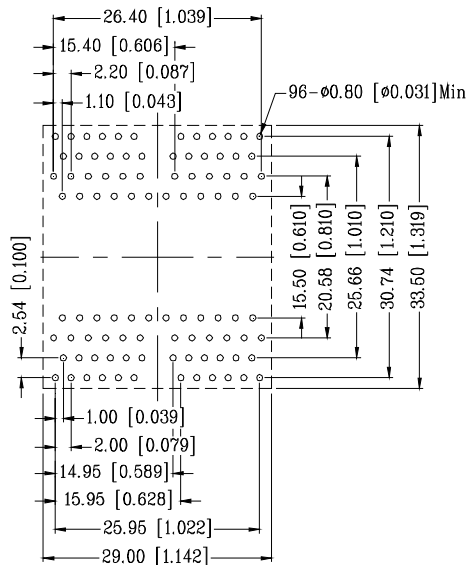


Mechanical

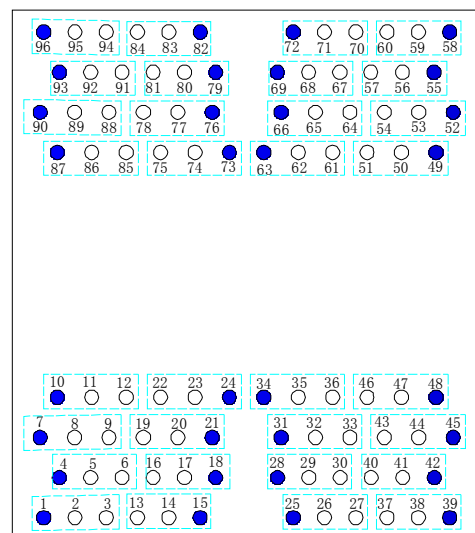


Units: mm[Inches] Tolerance: xx.x0 $\pm$ 0.25[0.010]
0.xx $\pm$ 0.05[0.002]

PCB Layout mounting Hole (Top View)



Unless otherwise specified,
all dimension tolerance are: ± 0.08 [± 0.003]



Blue : Center Tap