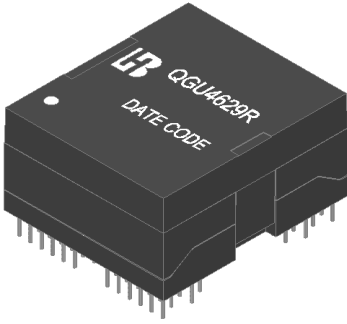


Feature



- Design for 2.5G/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 (±5%)		OCL (uH Min) @ 100KHz/0.1V	L.L (uH Max)	C _{ww} (pF Max)	DCR (Ω Max)	HI-POT
	TX	RX					
QGU4629R	1CT:1CT	1CT:1CT	180	0.5	28	1.0	AC1500V/1mA

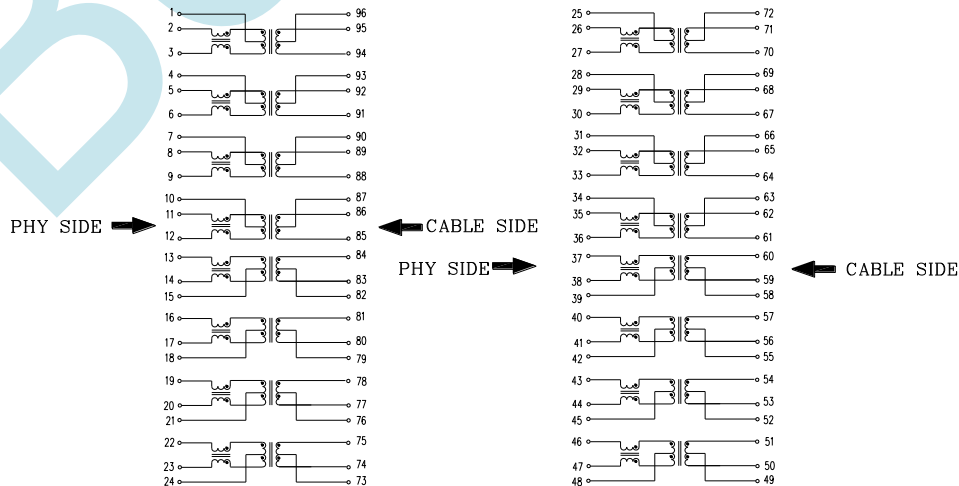
Continue

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min) @ Load 100Ω	
	1 ≦ f ≦ 100 MHz	100 < f ≦ 250 MHz	1 ≦ f ≦ 40 MHz	40 < f ≦ 250 MHz
QGU4629R	-1.0	-2.0	-16	-(16-10 log ₁₀ (f/40))

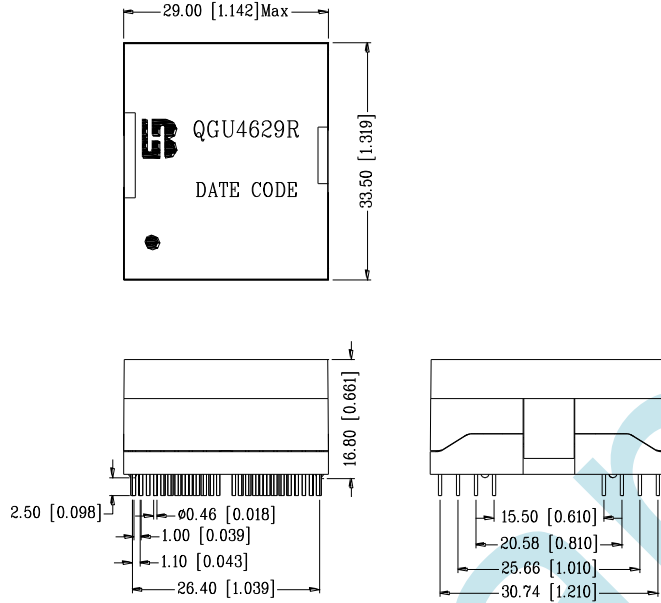
Continue

Part Number	Cross talk (dB Min)		DCMR (dB Min)		
	1 ≦ f ≦ 100 MHz	100 < f ≦ 250MHz	1 < f ≦ 30 MHz	30 < f ≦ 250 MHz	
QGU4629R	$20 \log_{10} \left[10^{\frac{35.3 - 15 \log_{10}(f/100)}{-20}} + 2 \times 10^{\frac{43 - 20 \log_{10}(f/100)}{-20}} \right]$		-30	-48	-(44-19.2 log ₁₀ (f/50))

Schematic

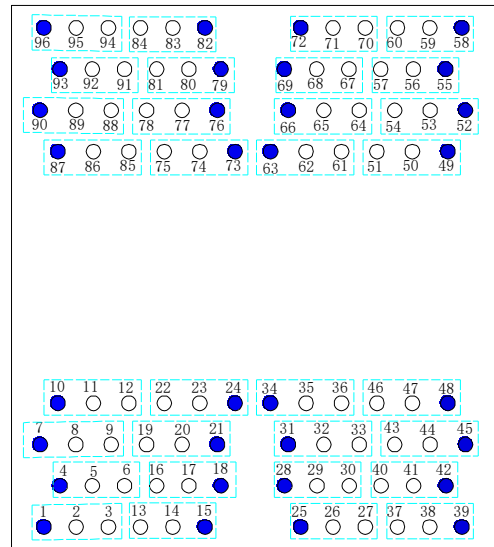
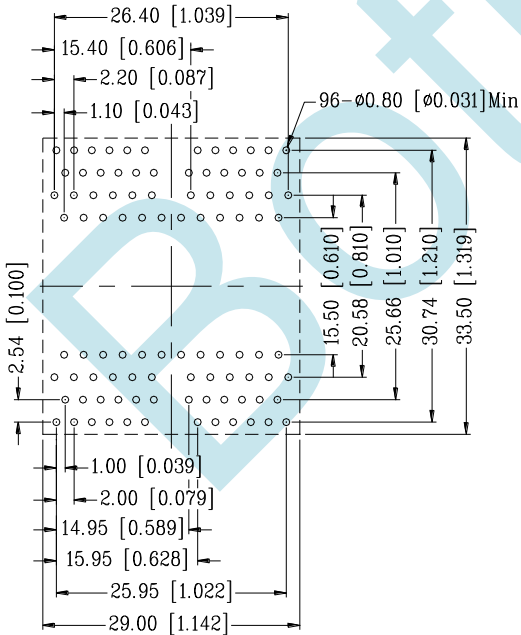


Mechanical



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

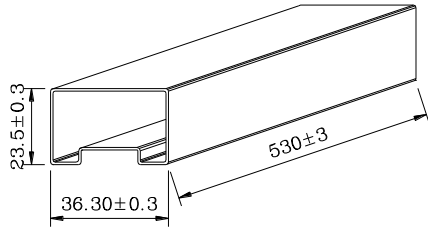
PCB Layout mounting Hole (Top View)



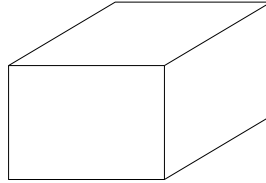
Blue : Center Tap

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

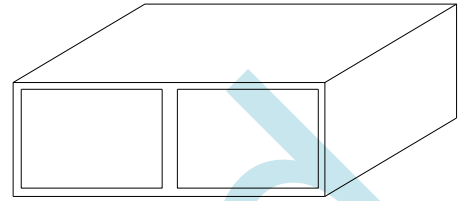
TUBE PACKAGE



TUBE



INNER BOX-567x135x125



OUTER CARTON-598x287x151

1. 1 TUBE=17PCS
2. 1 INNER BOX=12TUBE=12x17=204PCS
3. 1 OUTER CARTON=2 INNER BOX=2x204=408PCS

Bothhand