



SINGLE PORT RJ45 CONNECTOR

AR11-4697

- 100/1000 BaseT Gigabit
- For LAN and other Ethernet Applications
- Standard Operating Temp: 0°C to +70°C



Electrical Specifications @ 25°C

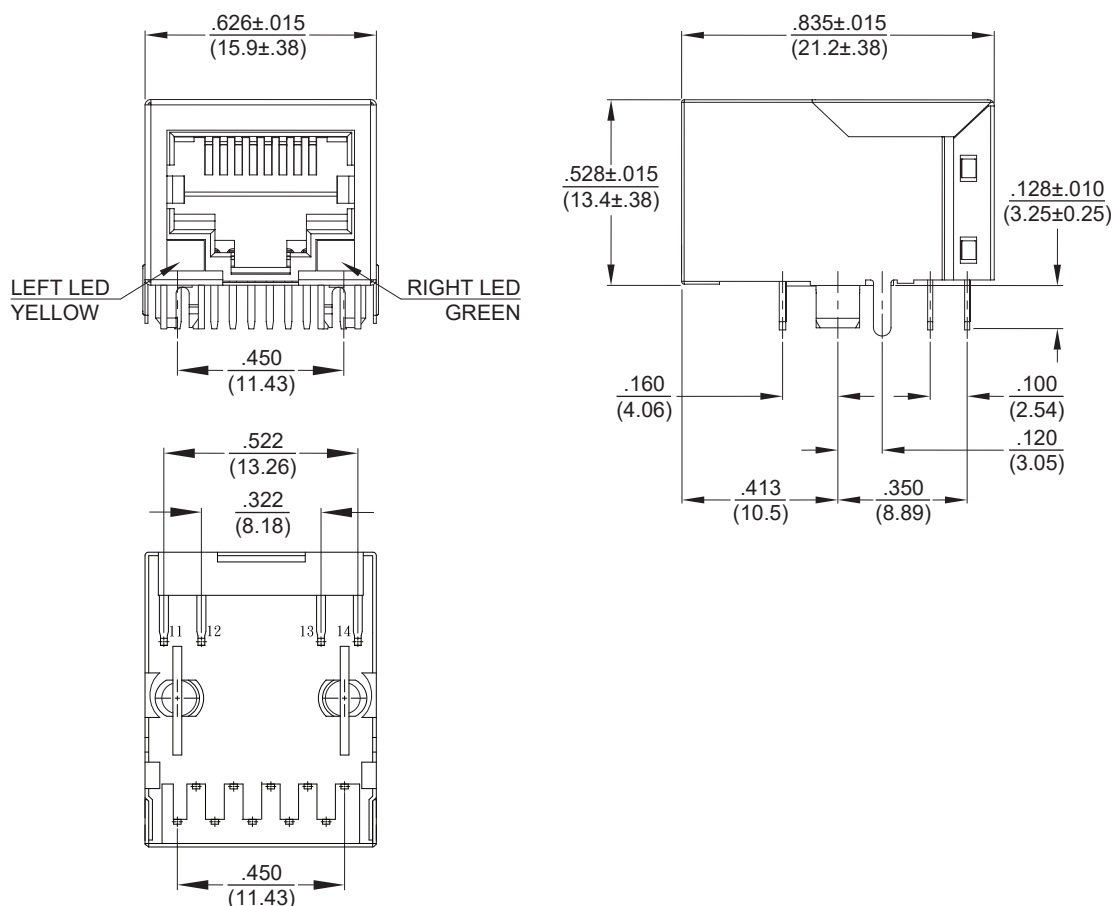
OCL(μH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio @ 100kHz, 0.1V	Return Loss (dB) Min			
		1.0-30MHz	30-60MHz	60-80MHz	80-100MHz
350	1 : 1 ±5%	-18	-16	-12	-10

Electrical Specifications @ 25°C

Insertion Loss (dB Max)		Crosstalk (dB) Min	CMR (dB Min)	HiPot 1mA, 60Sec Input - Output
1.0-100MHz	100-125MHz	1-100MHz	1-100MHz	Input - Output
-1.0	-1.2	-30	-30	1500VAC

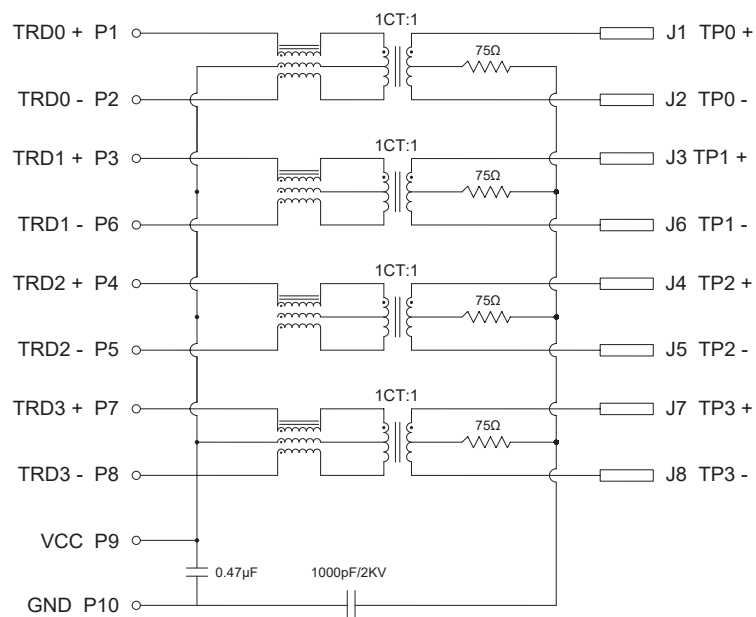
All specifications subject to change without notice.

MECHANICAL

Dimensions: $\frac{\text{inch}}{(\text{mm})}$ 



SCHEMATICS



LEFT LED
11+ 12- YELLOW

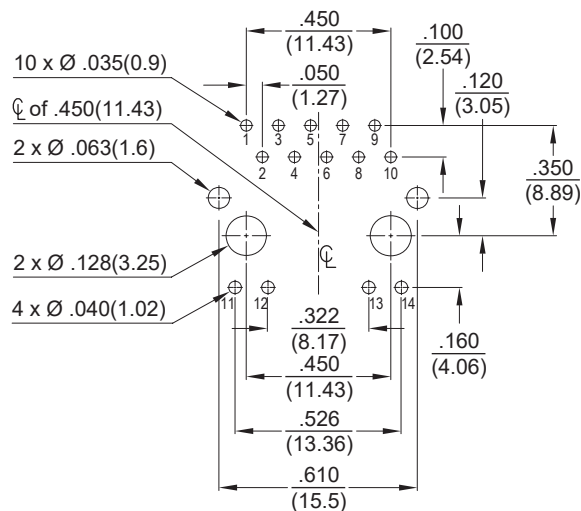
RIGHT LED
13+ 14- GREEN



Standard LED	Wavelength	Fwd Voltage
Green	565nm	2.5V Max
Yellow	585nm	2.5V Max

PCB LAYOUT

Dimensions: $\frac{\text{inch}}{\text{mm}}$



Tolerance: .002(0.05)

NOTES

- Shield - 0.20 mm Thickness Brass C2680H
Plating Nickel 20μ" Min.
- Housing - Plastic: Nylon 66, Glass Fiber Filled
UL94V-0, Color Yellow (114C ΔE<3)
- Contact Pin - Pin: 0.35mm Thickness Phosphor Bronze C5210 EH
Plating: Nickel 30-60μ" For All and Sn 100μ" Min.
And Gold Plating 6μ"
- Insert Pin - Pin: 0.35mm Thickness C2680H
Plating: Sn 100μ" min. All Over 30-60μ" Nickel