



Single Port RJ45 Connector

AR11-3827I

- 100/1000 Base-T Gigabit Ethernet Application
- Impedance: 100OHMS
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F.
- Industrial Operating Temp: -40°C to +85°C



Electrical Specifications @ 25°C

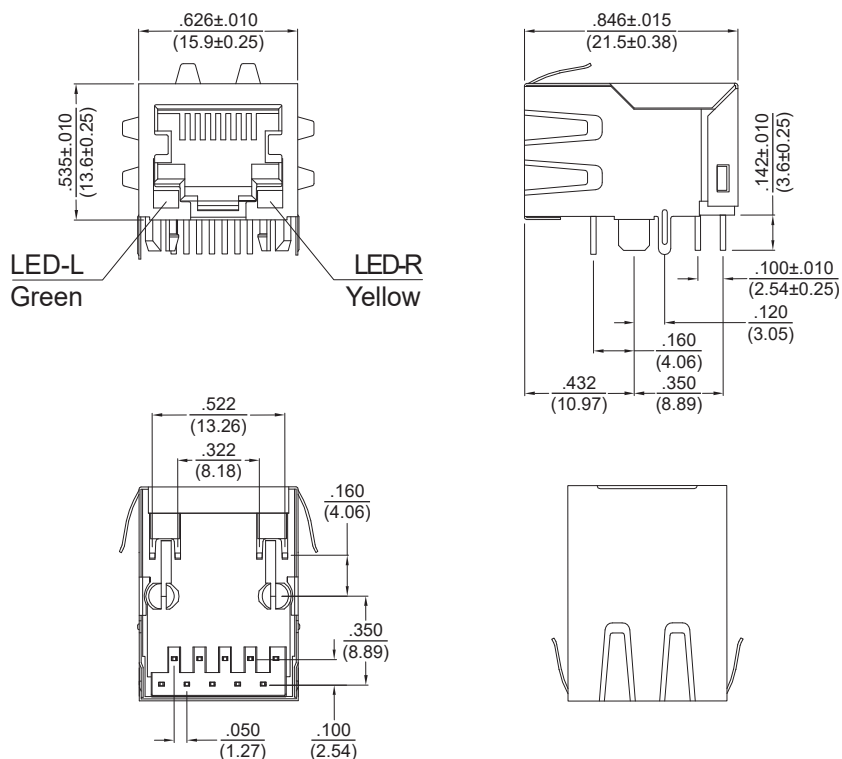
OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turs Ratio chip:cable (±2%)	Insertion Loss (dB Max)	Return Loss (dB Min)			Cross Talk (dB Min)				
			1-100MHz	1-30MHz	30-60MHz	60-80MHz	0.5-1MHz	10MHz	30MHz	50MHz
350	1CT:1CT	-1.0	-18	-18	-20Log(F/30MHz)	-12	-50	-50	-40	-35

Electrical Specifications @ 25°C

CMR (dB Min)					CDMR (dB Min)					HI-POT (Vrms)
0.3-1MHz	10MHz	30MHz	60MHz	100MHz	0.3-1MHz	10MHz	30MHz	60MHz	100MHz	0.5mA/2Sec.
-50	-47	-42	-37	-30	-50	-50	-50	-45	-40	1500

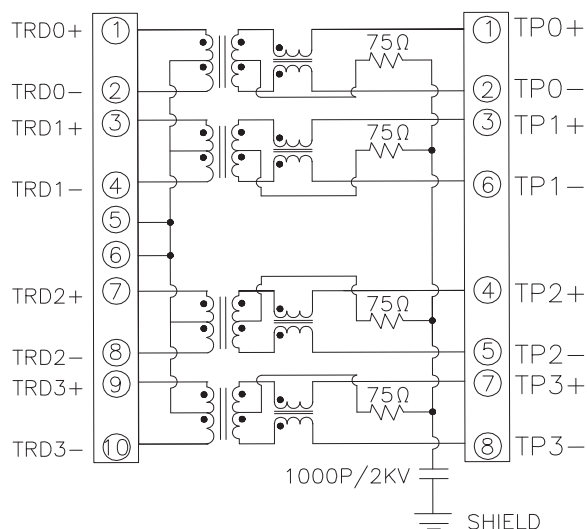
All specifications subject to change without notice.

MECHANICAL

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



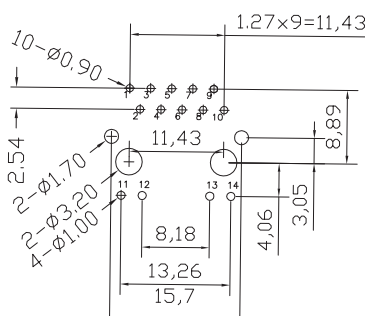
SCHEMATICS



Standard LED	Wavelength	Forward*V(MAX)	TYP
Green	565nm	2.5v	2.2v
Yellow	590nm	2.5v	2.1v

With a forward current of 20mA

PCB LAYOUT



NOTES

- Shield- 0.25mm THICKNESS BRASS C2680 H.
PLATING NICKEL 20u"
- Housing- Standard Material Nylon66, Glass filled
Polyester UL94V-0 Standard Color Black.
- RJ Terminal- Plastic: Nylon 66, UL94V-0, Standard
Color Black.
Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
Plating: Nickel 40u"-60u" for all and Sn 100%, and
6u" Gold Plating.
- Input Terminal: Plastic PBT, Glass Filled, UL94V-0,
Standard Color Black.
Pin: 0.35mm SUS430
Plating: Nickel 40u"-60u" for all and Sn 100%.