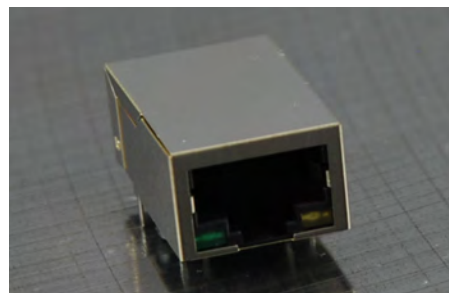




Single Port RJ45

AR11-4244I

- 10/100 Base-T for Ethernet Applications
- Industrial temp: -40°C to +85°C
- Hi-Pot: 1500V, 1mA, 60sec.



Electrical Specifications @ 25°C

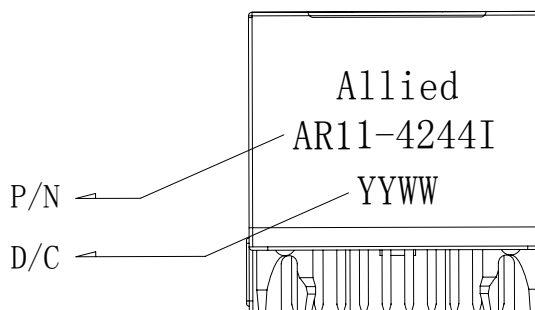
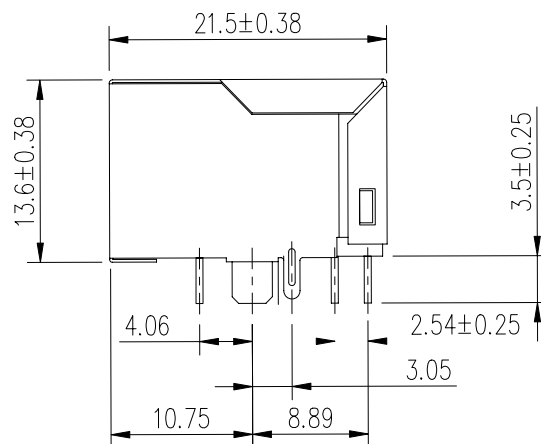
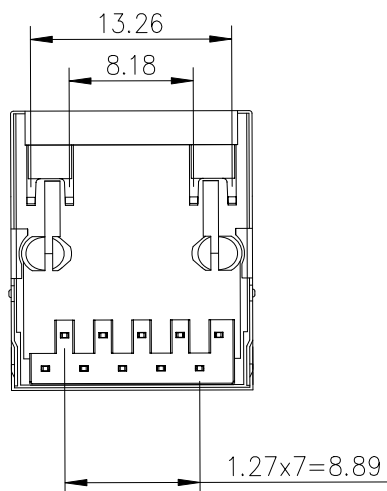
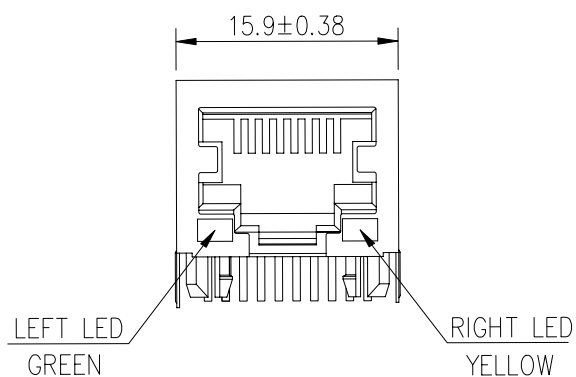
Part Number	OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio (P1-P3) : (J1-J2) (P4-P6) : (J3-J6)	Cross Talk (dB Min)	HI-POT 1.0mA (V) 1500VAC 60S
			1-100MHz	
AR11-4244I	350	1:1±5%	-30	

Electrical Specifications @ 25°C

Insertion Loss (dB Max)	Return Loss (dB Min)				CMR (dB Min)
1-100 MHz	1-30MHz	30-60MHz	60-80MHz	80-100MHz	1-100 MHz
-1.0	-18	-16	-12	-10	-30

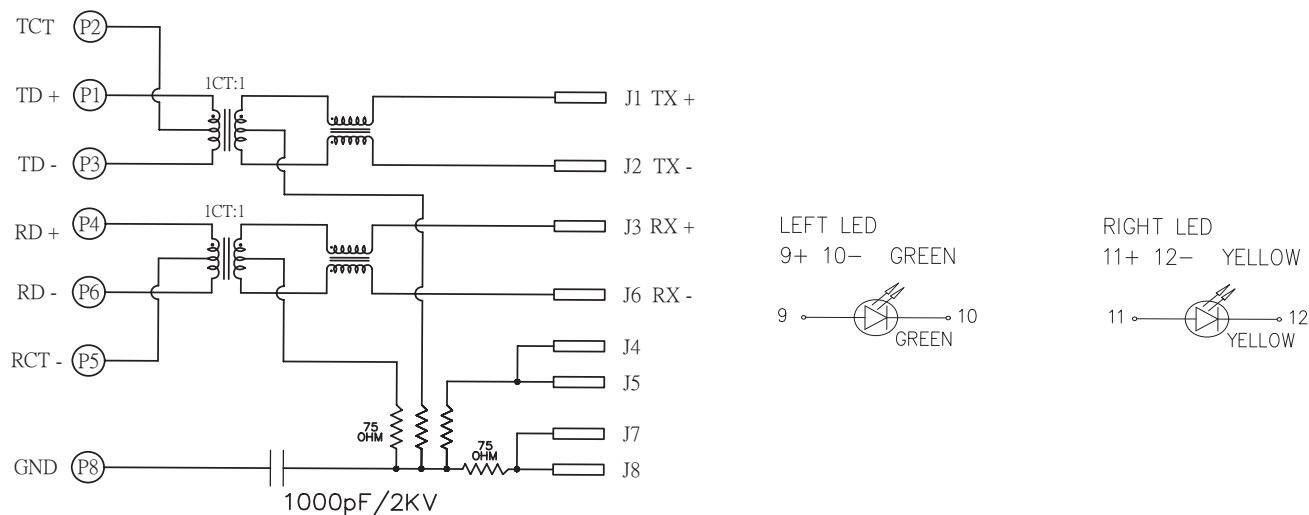
All specifications subject to change without notice.

MECHANICAL

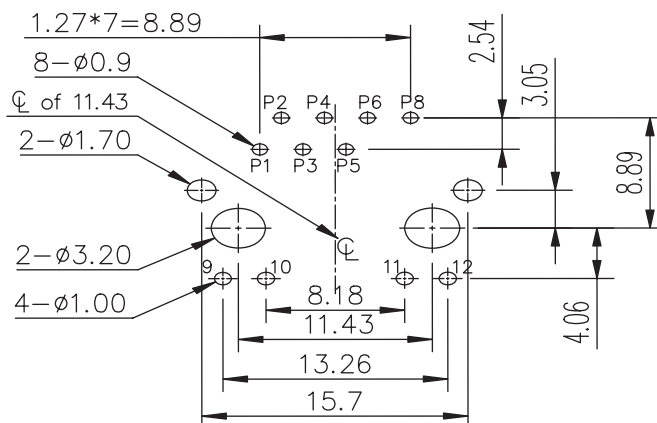




SCHEMATICS



PCB LAYOUT



RECOMMENDED PCB LAYOUT
TOLERANCE $\pm 0.05\text{mm}$ (T=1.6mm)

NOTES

1. Shielded — 0.20mm THICKNESS BRASS C2680 H. PLATING NICKEL 20u"MIN.
2. Housing— Standard Material Nylon66, Glass Filled Polyester UL94V-0, Standard Color Black.
3. Insert Pin— Plastic: NYLON66 UL94V-0, Standard Color Black. Pin: 0.35mm Thickness Phos-Bronze C5210 EH. Plating: Nickel 30u"~60u" for all and Sn 100%, and Gold Plating.
4. Contact Pin— Plastic: NYLON66, Glass Filled, UL94V-0, Standard Color Black. Pin: 0.35mm Thickness SUS430. Plating: Nickel 30u"~60u" for all and Sn 100%.

5. LED—

STANDARD LED	WAVELENGTH	FORWARD VOLTAGE
GREEN	565nm	2.5V MAX
YELLOW	585nm	2.5V MAX

With a forward current of 20mA

6. Remove PIN P7