RoHS

Single Port RJ45 Connector AR11-4349I

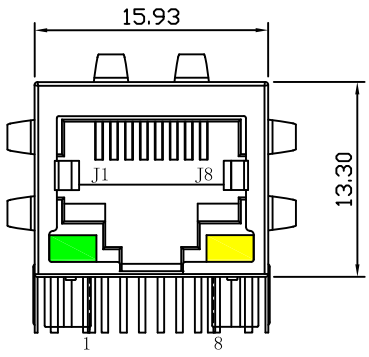
- **10/100 Base T For Ethernet and other Newtworking Applications**
- **Compliant to IEEE802.3**
- **Transmit open circuit inductance (OCL): 350uH (MIN) @ 100KHz,0.1Vrms with 8mA DC Bias**
- **RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F**
- **Industrial Temp: -40ºC to +85ºC**

Electrical Specifications @ 25°C						
Part Number	OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio TX=1CT:1CT RX=1CT:1CT	Cross Talk (dB Min)			HI-POT
			1-30MHz	30-60MHz	60-100MHz	
AR11-4349I	350	±3%	-40	-35	-30	1500Vrms

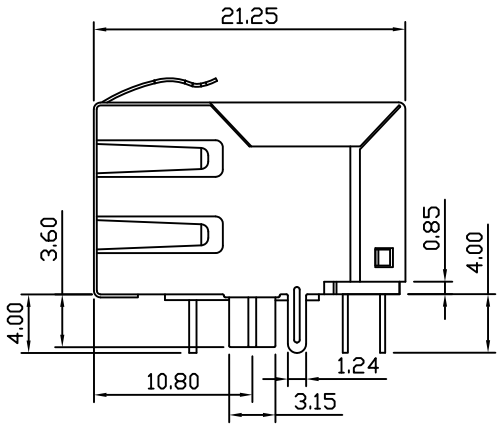
Electrical Specifications @ 25°C					
Insertion Loss (dB Max)	Return Loss (dB Min)			CMR (dB Min)	
1-100 MHz	1-30MHz	30-60MHz	60-100MHz	1-50 MHz	50-150 MHz
-1.1	-16	-12	-10	-30	-20

All specifications subject to change without notice.

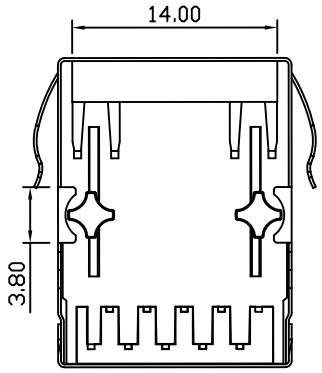
MECHANICAL



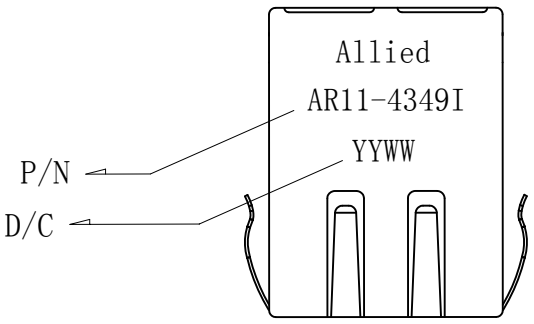
Front Side View



Left Side View

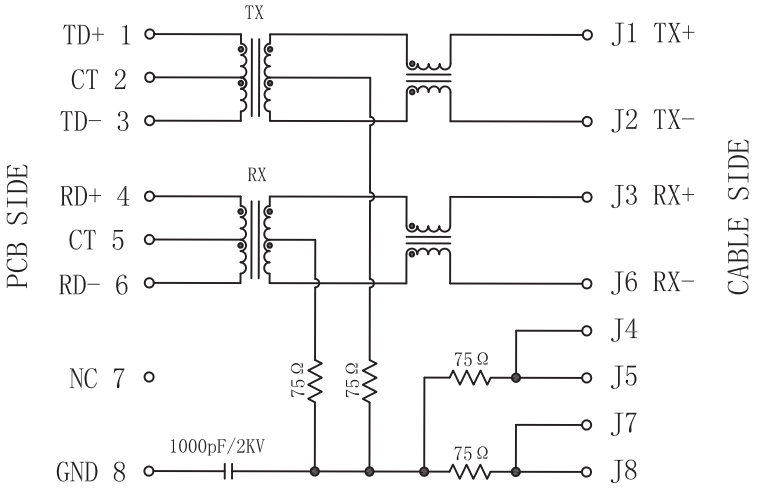


Bottow Side View



Top Side View

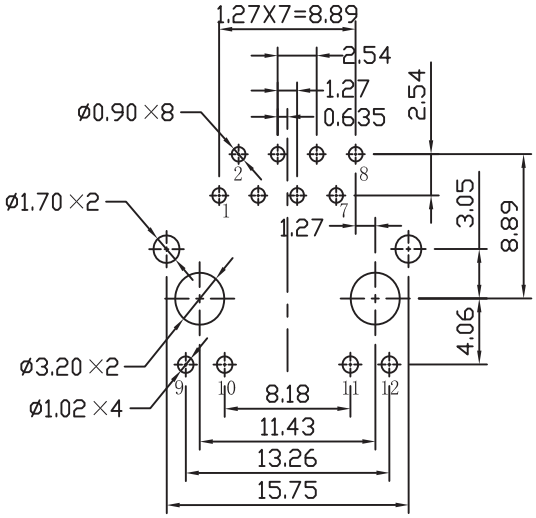
SCHEMATICS





Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	570	1.8~2.4V	10 μ A max
Yellow	590	1.8~2.4V	10 μ A max

PCB LAYOUT



NOTES

1. Meets IEEE 802.3 specification
2. Connector Materials:
   Housing Material:Thermoplastic PBT+30%G.F UL94V-0
   Contact Material:Phosphor Bonze C5210R-EH Thickness=0.35mm
   Pins:Brass C2680R-H Thickness=0.35mm
   Shield:SUS 201-1/2H Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.
3. Wave solder tip temperature: 265℃ Max, 5 Sec Max