RoHS

Single Port RJ45 Connector AR11-4283I

- **10/100 Base-T for LAN and other Ethernet Applications**
- **Designed to meet IEEE802.3**
- **RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F**
- **Industrial Temp: -40ºC to +85ºC**

Electrical Specifications @ 25°C

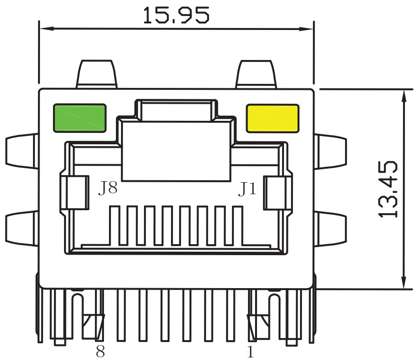
Part Number	OCL(uH Min) @ 100kHz	Turns Ratio (± 3%)	Cross Talk (dB Min)			HI-POT (Test)
	With 0.1V 8mA DC Bias	TX/RX	1-30MHz	30-60MHz	60-100MHz	(Vrms Min)
AR11-4283I	350	1CT:1CT	-40	-35	-30	1500

Electrical Specifications @ 25°C

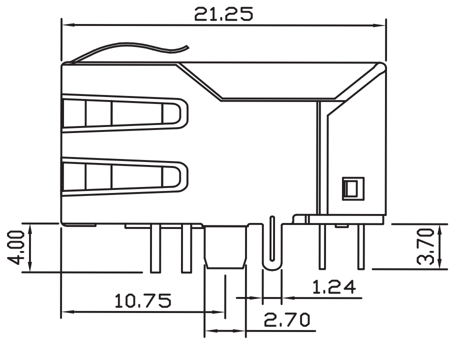
Part Number	Insertion Loss (dB Max)	Return Loss (dB Min)			CMR (dB Min)	
	1-100MHz	1-30MHz	30-60MHz	60-100MHz	1-50MHz	50-150MHz
AR11-4283I	-1.0	-18	-15	-12	-30	-20

All specifications subject to change without notice.

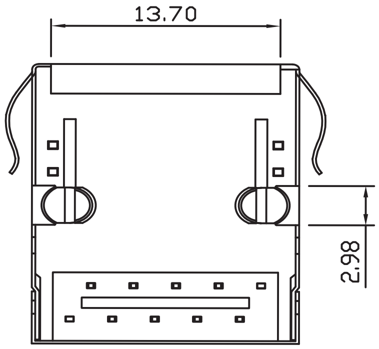
MECHANICAL



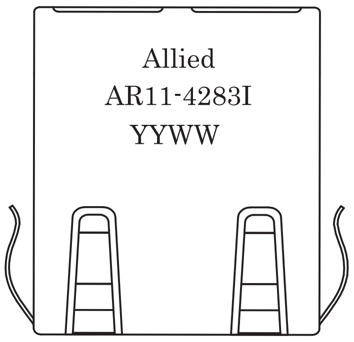
Front Side View



Left Side View

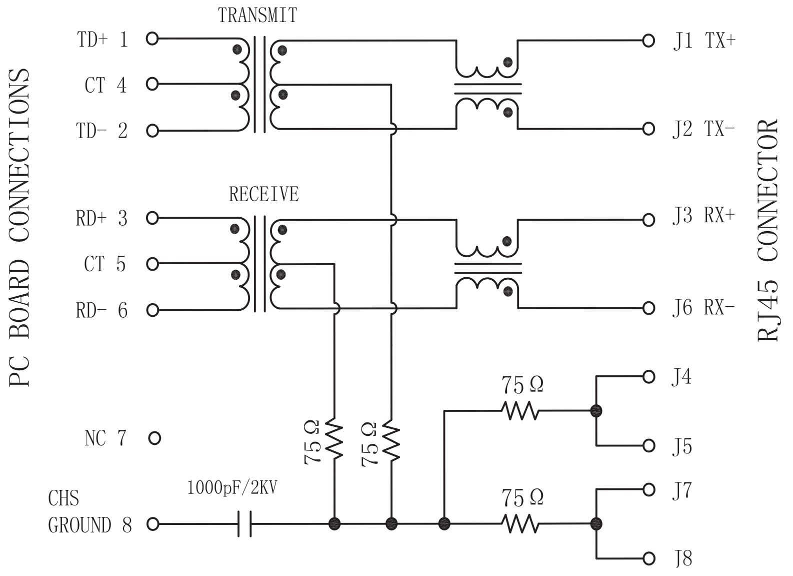


Bottow Side View



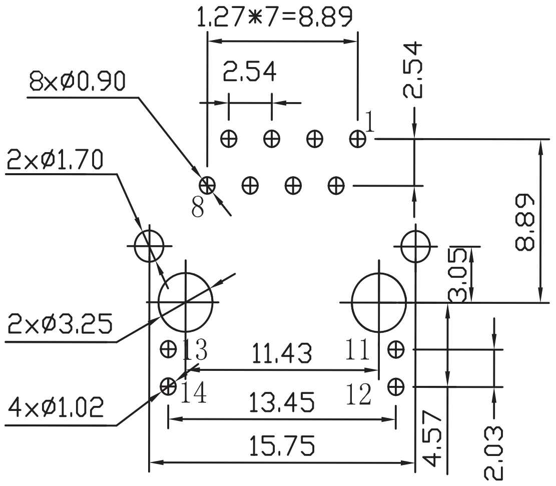
Top Side View

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

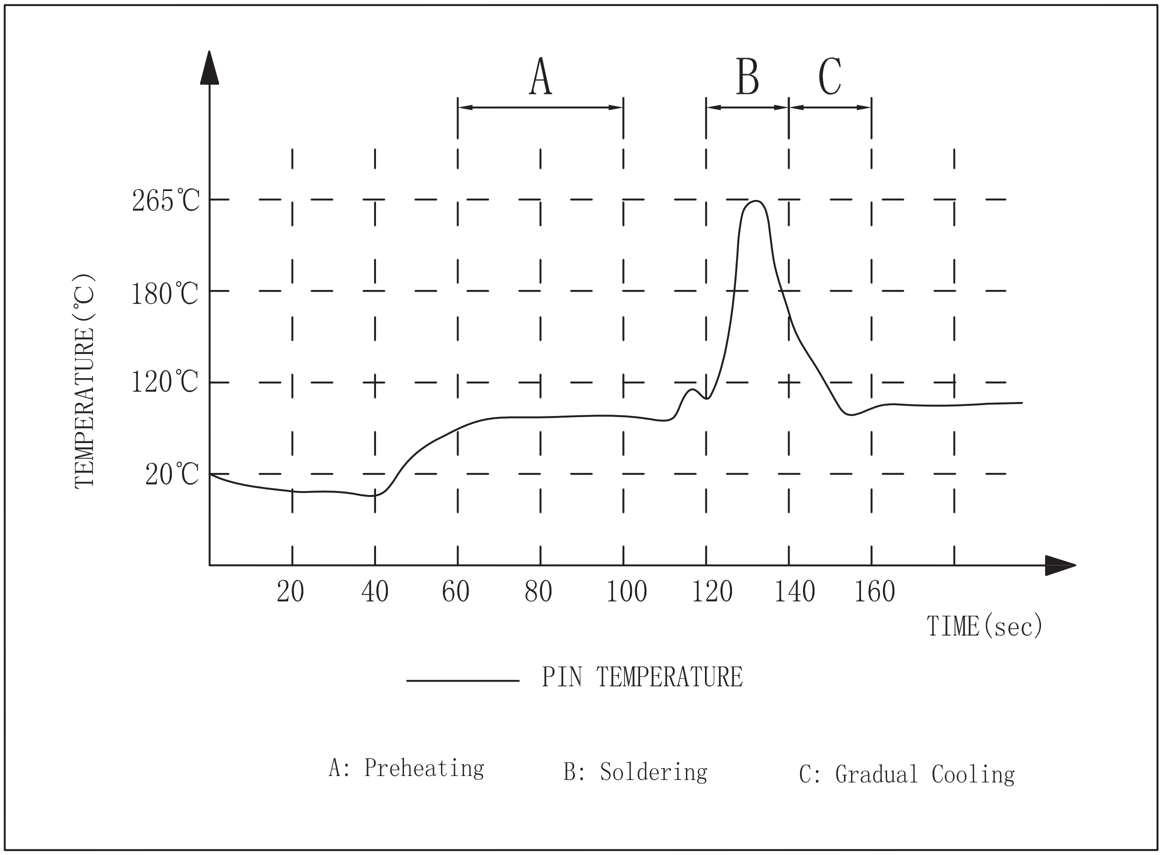
PCB LAYOUT



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

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT



(1) Tip Temperature: 265℃ max

(2) Tip Temperature time: 5sec max

Note: The melting point of Tin: 219℃