RoHS

Single Port RJ45 PoE

AR11-3986

- 100/1000 Base-T Gigabit for Ethernet Applications
- For PoE applications
- Standard operating temp: 0ºC to +70ºC
- 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

Electrical Specifications @ 25°C

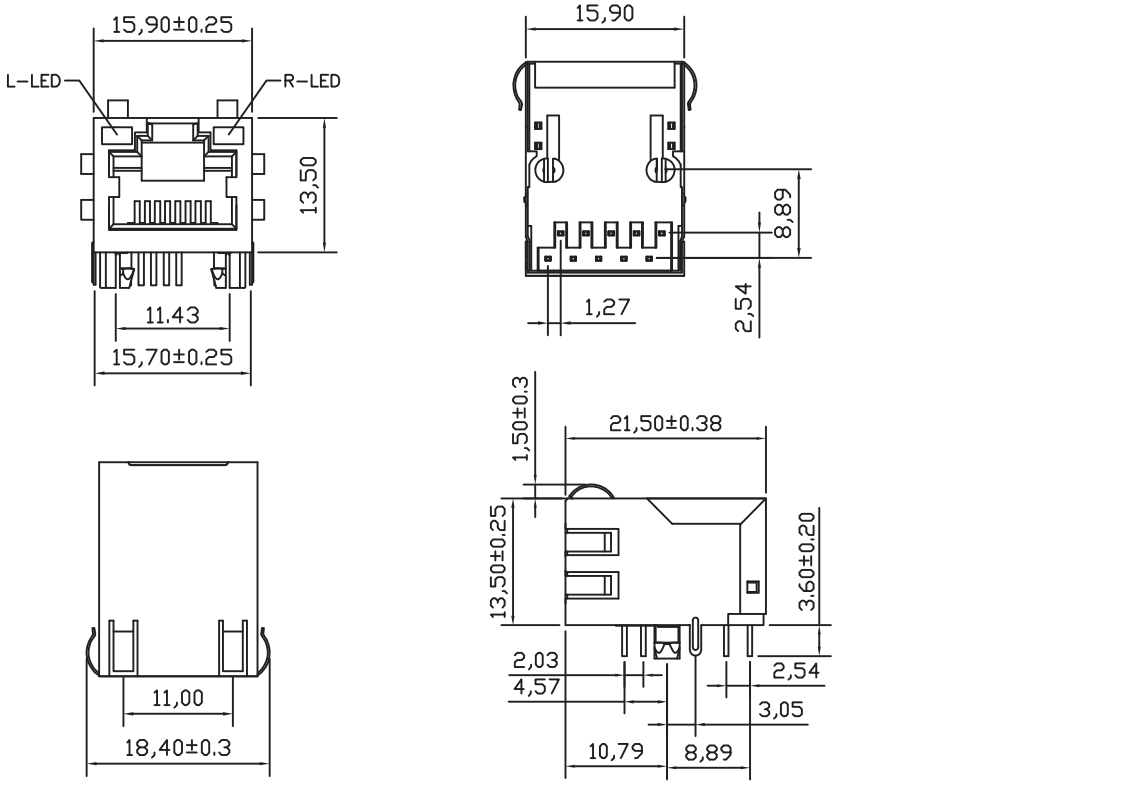
Part Number	OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio chip: cable (± 2%)	Cross Talk (dB Min) 0.5-10MHz	30MHz	50MHz	100MHz	HI-POT 1.0mA (V) without capacitance	with capacitance
AR11-3986	350	1CT:1CT	-50	-40	-35	-30	1500	2250

Electrical Specifications @ 25°C

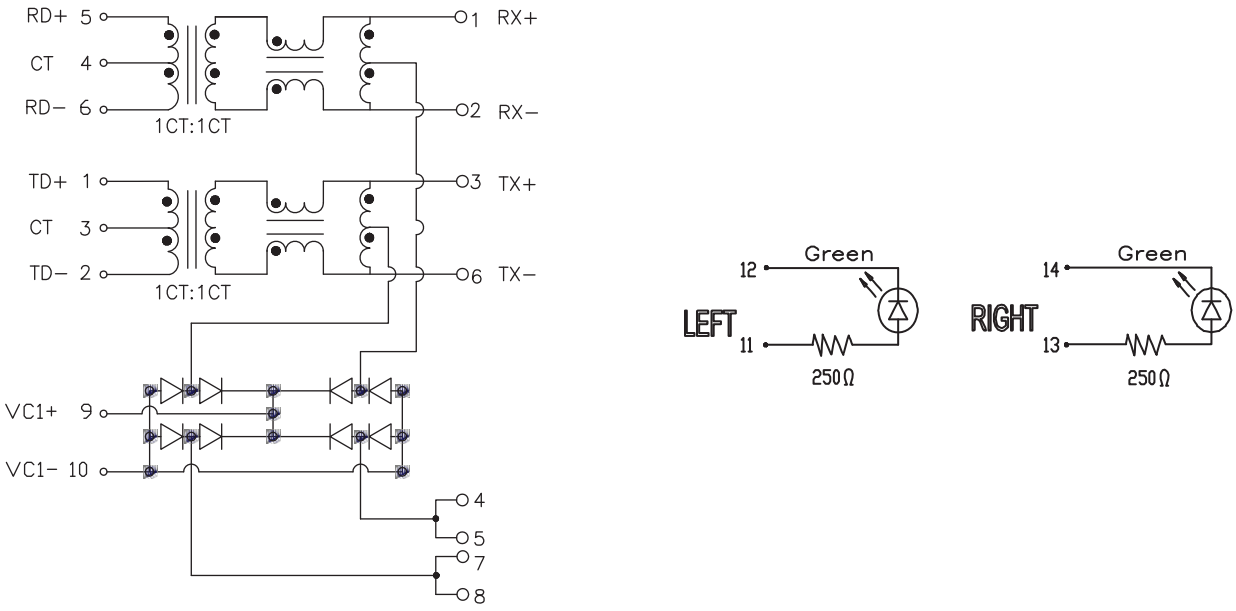
Part Number	Insertion Loss (dB Max) 1-100MHz	100-125 MHz (10/100/100)	Return Loss (dB Min) @ Load 100 Ohm 1-30MHz	30-50MHz	60MHz	60-80MHz	80-100MHz (10/100/1000)	CMR (dB Min) 1-100MHz
AR11-3986	-1.0	-1.2	-18	-16	-14	-12	-10	-30

All specifications subject to change without notice.

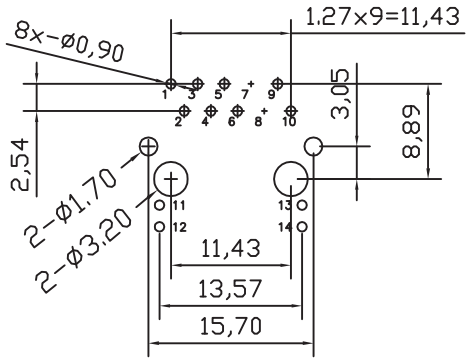
MECHANICAL



SCHEMATICS



PCB LAYOUT



NOTES

1. Shield- 0.20mm THICKNESS BRASS C2680 H.
   PLATING NICKEL 20u" Min.
2. Housing- Standard Material LCP, Glass filled
   Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: LCP GF UL94V-0, Standard
   Color Black.
   Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
   Plating: Nickel 40u"-60u" for all and Sn 100%, and
   6u" and 50" Gold Plating.
4. Input Terminal: Plastic Nylon66, Glass Filled, UL94V-0,
   Standard Color Black.
   Pin: 0.35mm Thickness SUS430.
   Plating: Nickel 40u"-60u" for all and Sn 100%.