



- 10/100 Base-T Ethernet Application
- Impedance: 100OHMS
- 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
- Standard operating temp: 0°C to +70°C

Electrical Specifications @ 25°C

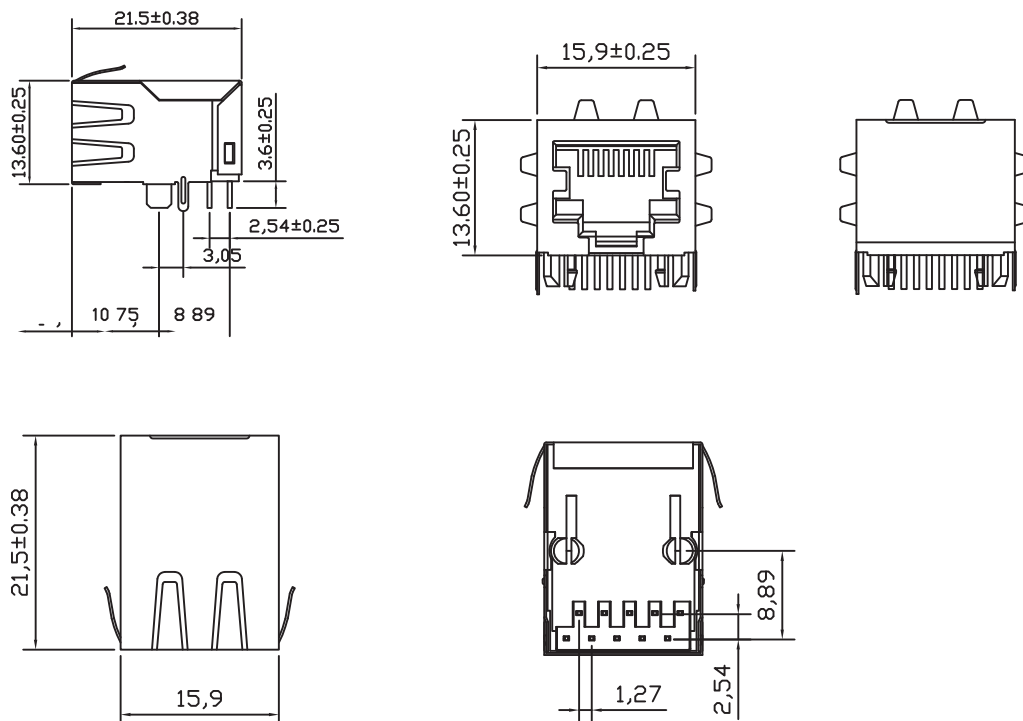
Part Number	OCL(uH Min) @ 100kHz, 0.1V With 8mA DC Bias	Turns Ratio chip: cable (± 2%)	Cross Talk (dB Min)				HI-POT (dB Min)	
			0.5-10MHz	50MHz	50MHz	100MHz	without capacitance	with capacitance
AR11-3876	350	1CT:1CT	-50	-40	-35	-30	1500	2250

Electrical Specifications @ 25°C

Part Number	Insertion Loss (dB Max)		Return Loss (dB Min) @ Load 100 Ohm				CMR (dB Min)	
	1-100MHz	100-125 MHz (10/100/100)	1-30MHz	30-50MHz	60MHz	60-80MHz		80-100MHz (10/100/1000)
AR11-3876	-1.0	-1.2	-18	-16	-14	-12	-10	-30

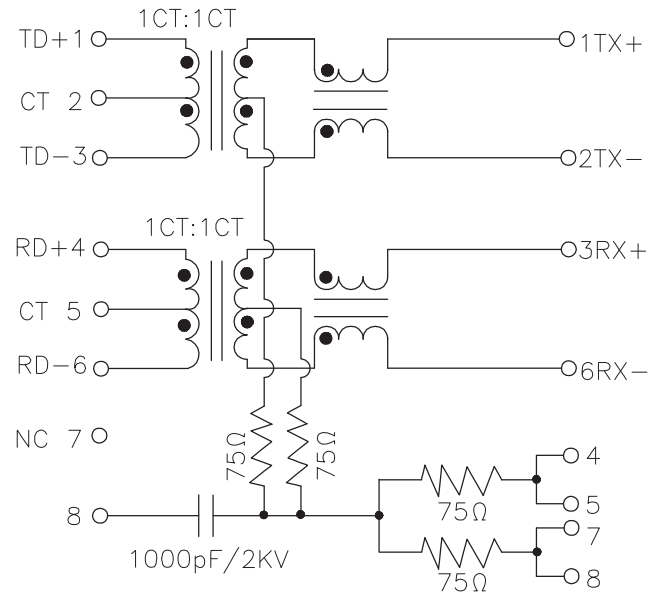
All specifications subject to change without notice.

MECHANICAL

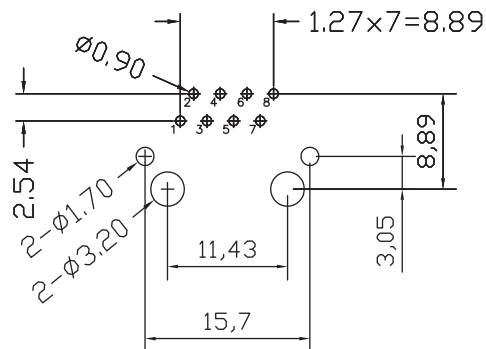




SCHEMATICS



PCB LAYOUT



NOTES

1. Shield- 0.20mm THICKNESS BRASS C2680 H.
PLATING NICKEL 20u" Min.
2. Housing- Standard Material Nylon66, Glass filled
Polyester UL94V-0 Standard Color Black.
3. RJ Terminal- Plastic: Nylon66 G.F, UL94V-0, Standard Color Black.
Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
Plating: Nickel 40u"-60u", for all and Sn100u"-120u", and Gold Plating 50u".
4. Input Terminal- Plastic: Nylon66, Glass Filled, UL94V-0,
Standard Color Black.
Pin: 0.35mm Thickness Phos-Bronze C2680.
Plating: Nickel 40u"-60u" for all and Plating Sn 100u"-120u".