



- 10/100 Base-T Ethernet Application
- PoE Ready
- No Shield Can
- RJ45 jack cavity conforms to FCC rules and regulations Part 68, SUB Part F
- Standard Operating Temp: 0°C to +70°C
- Contact Factory for Industrial Temp.
- Available in other Circuit Designs
- Optional Gold Plating Thickness

Electrical Specifications @ 25°C

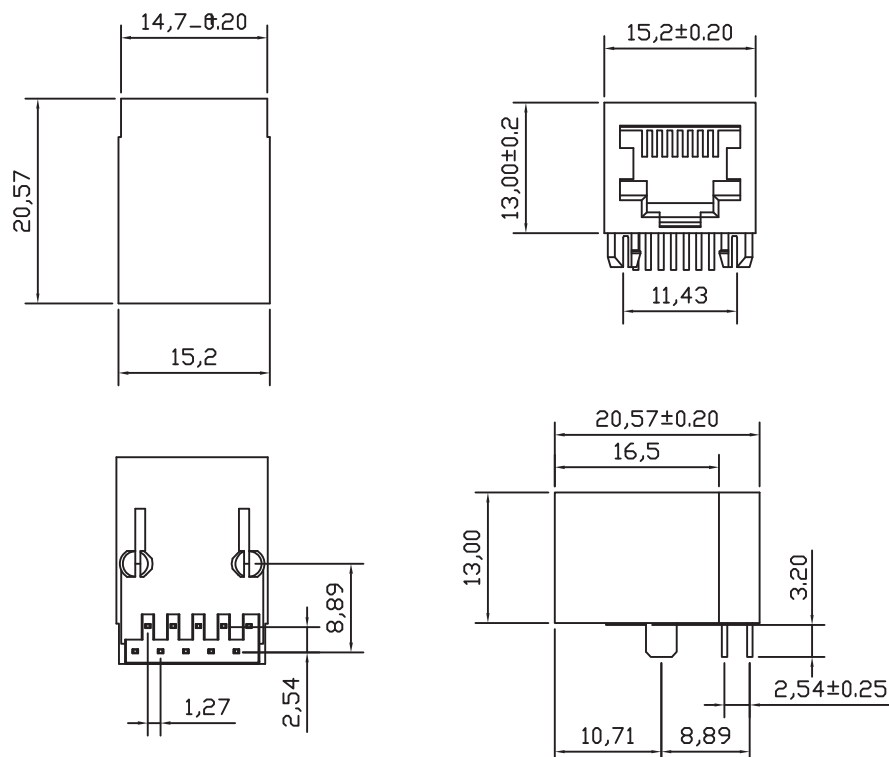
Part Number	OCL(μH Min) @ 100kHz, 0.1V	Turns Ratio chip: cable (±2%)	Insertion Loss (dB Max)	Return Loss (dB Min)			
	With 8mA DC Bias		1-100MHz	1-30MHz	30-60MHz	60-80MHz	80-100MHz
AR11NS-3805	350	1CT:1CT	-1.0	-18	-16	-12	-10

Electrical Specifications @ 25°C

Cross Talk (dB Min)					CMR (dB Min)					CDMR (dB Min)					HI-POT (Vrms) 1.0mA/3Sec.
0.5-1MHz	10MHz	30MHz	50MHz	100MHz	0.3-1MHz	10MHz	30MHz	60MHz	100MHz	0.3-1MHz	10MHz	30MHz	60MHz	100MHz	
-50	-50	-40	-35	-30	-50	-47	-42	-37	-30	-50	-50	-50	-45	-40	1500

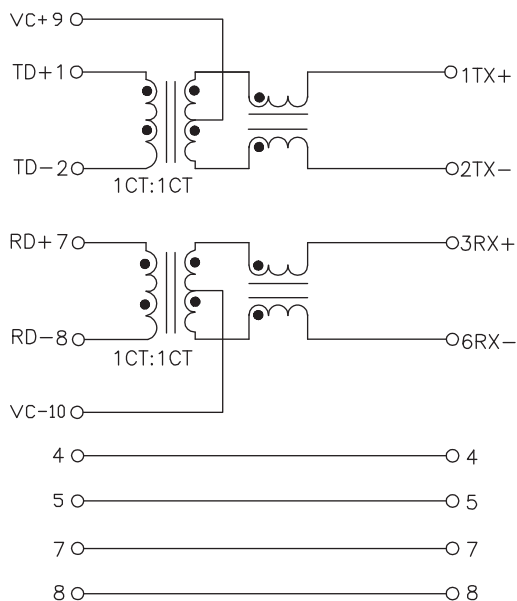
All specifications subject to change without notice.

MECHANICAL

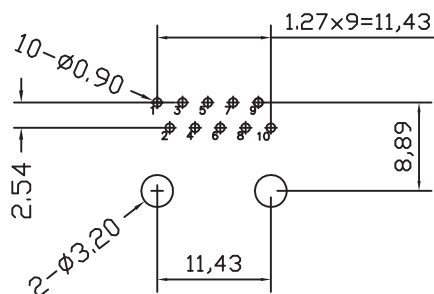




SCHEMATICS



PCB LAYOUT



PCB Layout

NOTES

- | | |
|-----------------|--|
| 1. Shield- | None |
| 2. Housing- | Standard Material Nylon66, Glass filled Polyester UL94V-0 Standard Color Black. |
| 3. Insert Pin- | Plastic: PBT UL94V-0, Standard Color Black.
Pin: 0.35mm Thickness Phos-Bronze C5210 EH.
Plating: Nickel 30u"-50u" for all and Sn 100%, and 6u" Gold Plating. |
| 4. Contact Pin: | Plastic: PBT Glass Filled, UL94V-0, Standard Color Black.
Pin: 0.35mm Thickness Stainless SUS430.
Plating: Nickel 30u"-50u" for all and Sn 100%. |