



- 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
- Industrial Operating Temp: -40°C to +85°C
- Available in other Circuit Designs

Electrical Specifications @ 25°C

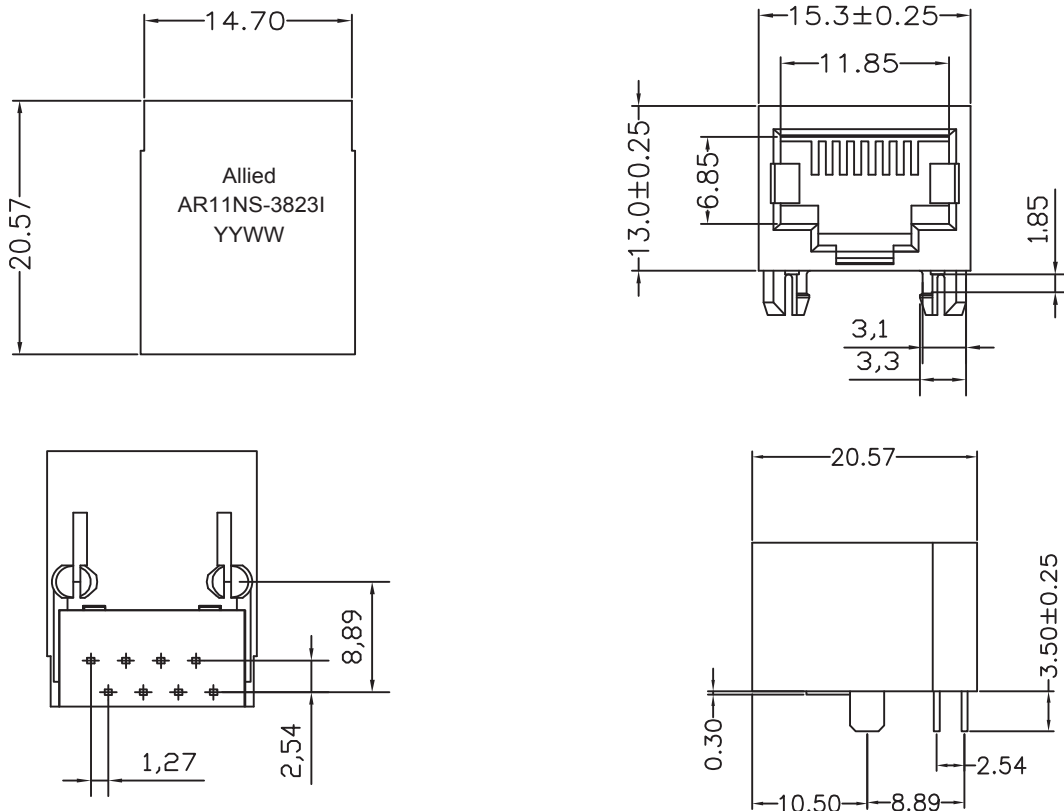
Part Number	OCL(uH Min) @ 100kHz, 0.1V	Turns Ratio (± 2%)	Inductance Ratio	Insertion Loss (dB Max)	Return Loss (dB Min)		
	With 8mA DC Bias		350uH MIN@100KHz/0.1V		1-100MHz	1-30MHz	30-60MHz
AR11NS-3823I	350	1CT:1CT	8mA D.C. BIAS	-1.0	-18	-[18-20LOG(F/30MHz)]	-12

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

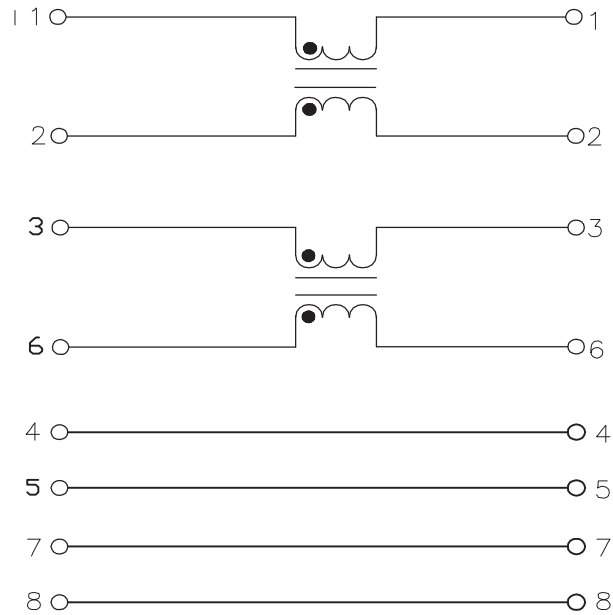
All specifications subject to change without notice.

MECHANICAL

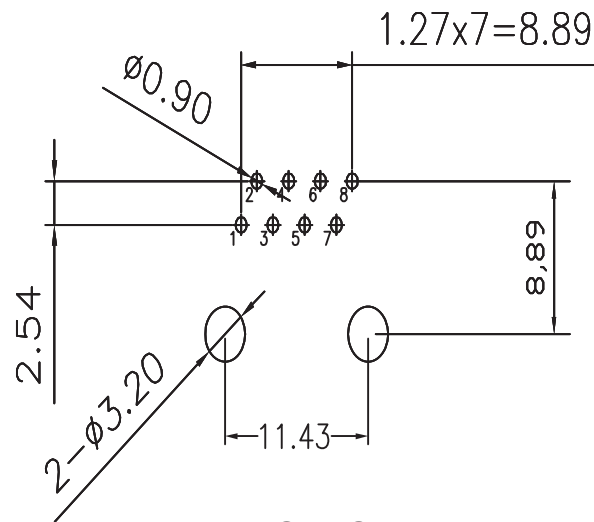




**SCHEMATICS**



**PCB LAYOUT**



**NOTES**

- |                 |  |
|-----------------|--|
| 1. Housing-     | Standard Material Nylon66, Glass filled Polyester UL94V-0 Standard Color Black.  |
| 2. Insert Pin-  | Plastic: PBT 30% GF, UL94V-0, Standard Color Black.<br>Pin: 0.35mm Thickness Phos-Bronze C5210 EH.<br>Plating: Nickel 40u"-60u" for all and Sn 100%, and 6u" Gold Plating. |
| 3. Contact Pin: | Plastic: Nylon66, Glass Filled, UL94V-0, Standard Color Black.<br>Pin: 0.35mm Thickness Phos-bronze C2680.<br>Plating: Nickel 40u"-60u" for all and Sn 100%.               |