

## Single port RJ45 Connector With Integrated Magnetics, Tab Down

- 10/100BASE-T Ethernet Application.
- Meets IEEE 802.3 & ANSI X 3.263 Standards.
- Impedance: 100 OHMS.
- Transmit Open Circuit Inductance (OCL): 350uH (MIN) @100KHz, 0.1VRMS With 8mA DC Bias.
- Always EU RoHS/ELV Compliant, Wave Solder Capable To 265°C.
- RJ45 Jack Cavity Conforms To FCC Rules And Regulations Part 68, SUB Part F.
- Standard Operate Temperature.
- Green Product.

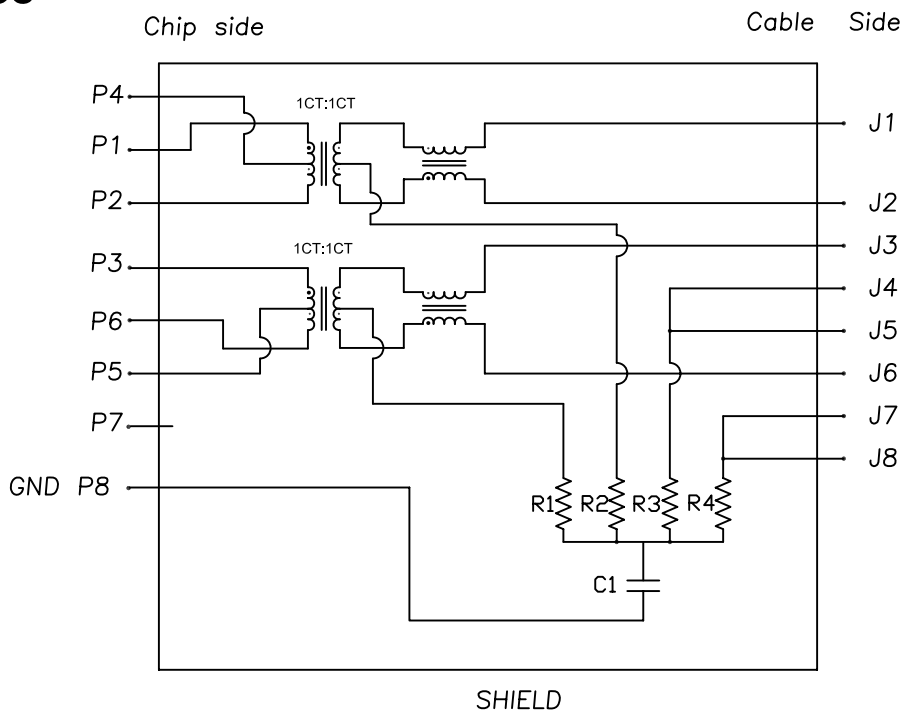
**Electrical Specifications @25°C**

Part Number	OCL(uH min) @100KHz/0.1V 8mA DC Bias	Turns Ratio chip: cable (±3%)	EMI Fingers	LED (L/R)	Insertion Loss (dB Max)	Return Loss (dB Min)		
					0.5~100MHz	0.5~30MHz	30.1~60MHz	60.1~80MHz
11A009-1702-00	350	1CT:1CT	YES	NO	1.1	18	18-20*LOG(f/30)	12

**Electrical Specifications @25°C**

Part Number	Crosstalk (dB Min)		CMRR (dB Min)	Hi- POT (VDC)
	0.5~40MHz	40.1~100MHz	0.5~100MHz	
11A009-1702-00	35	33-20*LOG(f/50)	30	2250

## SCHEMATICS



1. R1-R4=75 OHMS, 1/16W, 5% Resistors.
2. C1=1000pF/2KV Decoupling Capacitor.

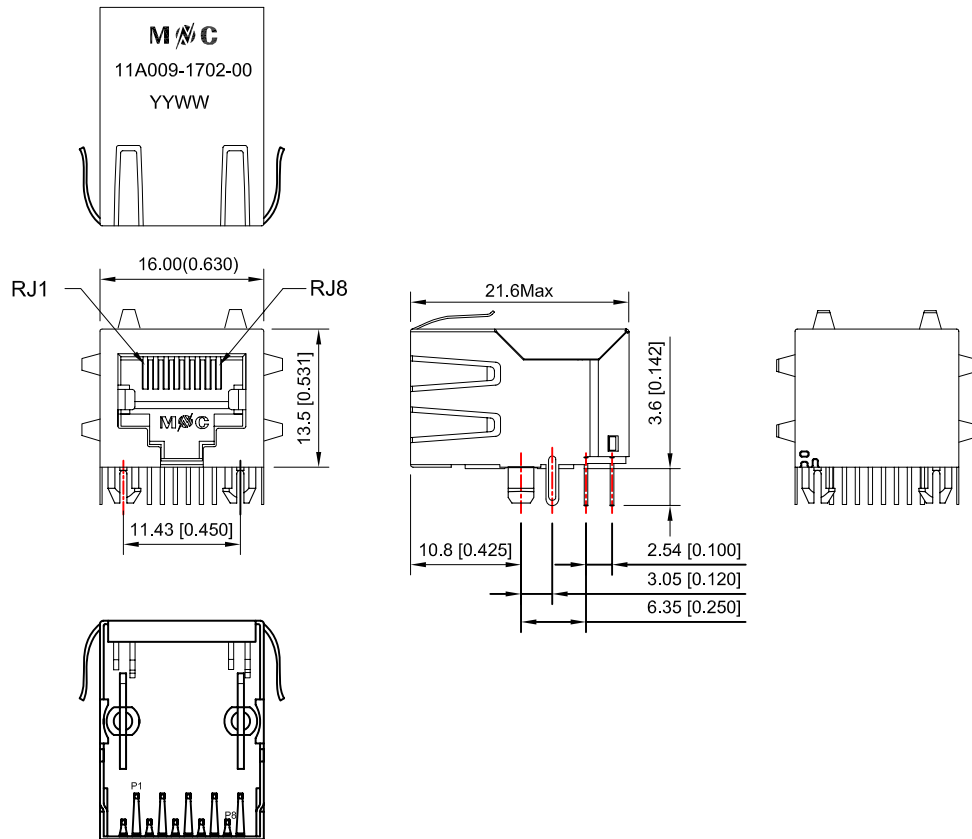
Prepared By

Checked By

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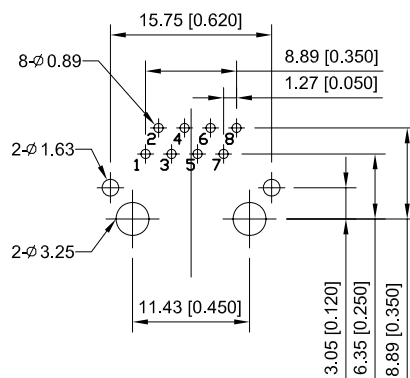
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### MECHANICAL:



Unless otherwise specified all tolerances are:  $\pm 0.25\text{mm}$

### Suggested PCB Layout:



Unless otherwise specified all tolerances are:  $\pm 0.05\text{mm}$

#### Materials and Finish:

- Housing: PBT, BK, Flammability Rating 94V-0.
- Insert Base, PBT, BK, Flammability Rating 94V-0.
- Shell: Brass, thick, nickel plating.
- Mold Jack Contacts: Phosphor Bronze, 6u" Gold plated.