



10/100 BASE-TX MAGNETICS SINGLE RJ45 CONNECTOR MODULE

P/N:J1A121ZCD

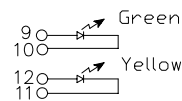
Page : 1/3

Feature

- Suitable for CAT 5 & 6 Fast Ethernet Cable or better UTP.
- Meets or exceeds IEEE 802.3 standard for 100 Base-T.
- 350 μ H minimum OCL with 8 mA bias current.
- Minimum 1500 Vrms isolation per IEEE 802.3 requirement.
- All materials are RoHS and UL94-V compliant.
- RoHS peak solder rating 260°C.
- Meet EN60950-1 basic insulation requirement.
- Recommended panel



Part Number	9,10 (Left Led)	11,12 (Right Led)
2	Green	Yellow



Electrical Specifications @ 25°C

Part Number	Turns Ratio ($\pm 5\%$)		Insertion Loss (dB Max)	Return Loss $100\Omega \pm 5\Omega$ (dB Typ)			
	TX	RX		1-10 MHz	10-30 MHz	30-60 MHz	60-80 MHz
J1A121ZCD	1CT : 1CT	1CT : 1CT	-1.15	-20	-16	-12	-10

Electrical Specifications @ 25°C

Part Number	Crosstalk (dB Typ)			Common Mode Rejection (dB Typ)		HI-POT (Vrms)
	1-30 MHz	30-60 MHz	60-100 MHz	1-50 MHz	50-150 MHz	@60MHz/1Min
J1A121ZCD	-40	-35	-30	-30	-20	1500

RJ45 Durability Testing Rating & Material Specification

Part Number	Durability	Mating Force	Shield	
			Material	Finish
J1A121ZCD	750 Insertions	5 lbs./2.268 kgs.	Brass	10-20m inches Nickel

RJ45 Material Specification

Part Number	Contact		Housing	
	Material	Plating Area	Material	Specification
J1A121ZCD	Phosphor Brass	10-20m inches Nickel over selective gold plating 6 μ inches	Thermoplastic	UL 94 V-0

* Operating temperature range: 0°C to +70°C. Storage temperature range: -25°C to +125°C.

Tel:+86-20-81628973

Fax:+86-20-81628967

E-mail:sales@ceetus.com.cn

Website:www.ceetus.com.cn

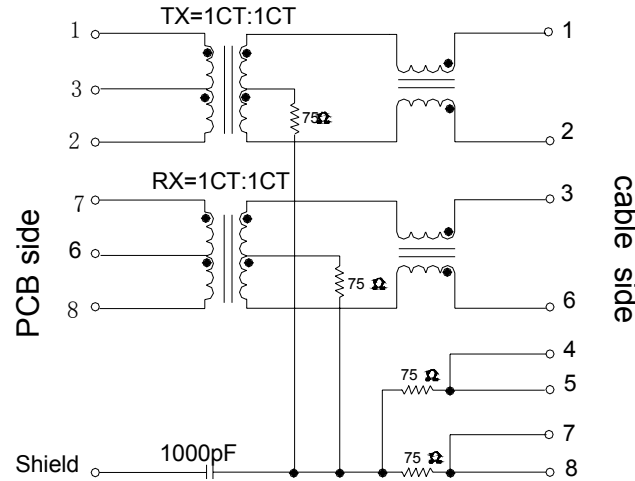


10/100 BASE-TX MAGNETICS SINGLE RJ45 CONNECTOR MODULE

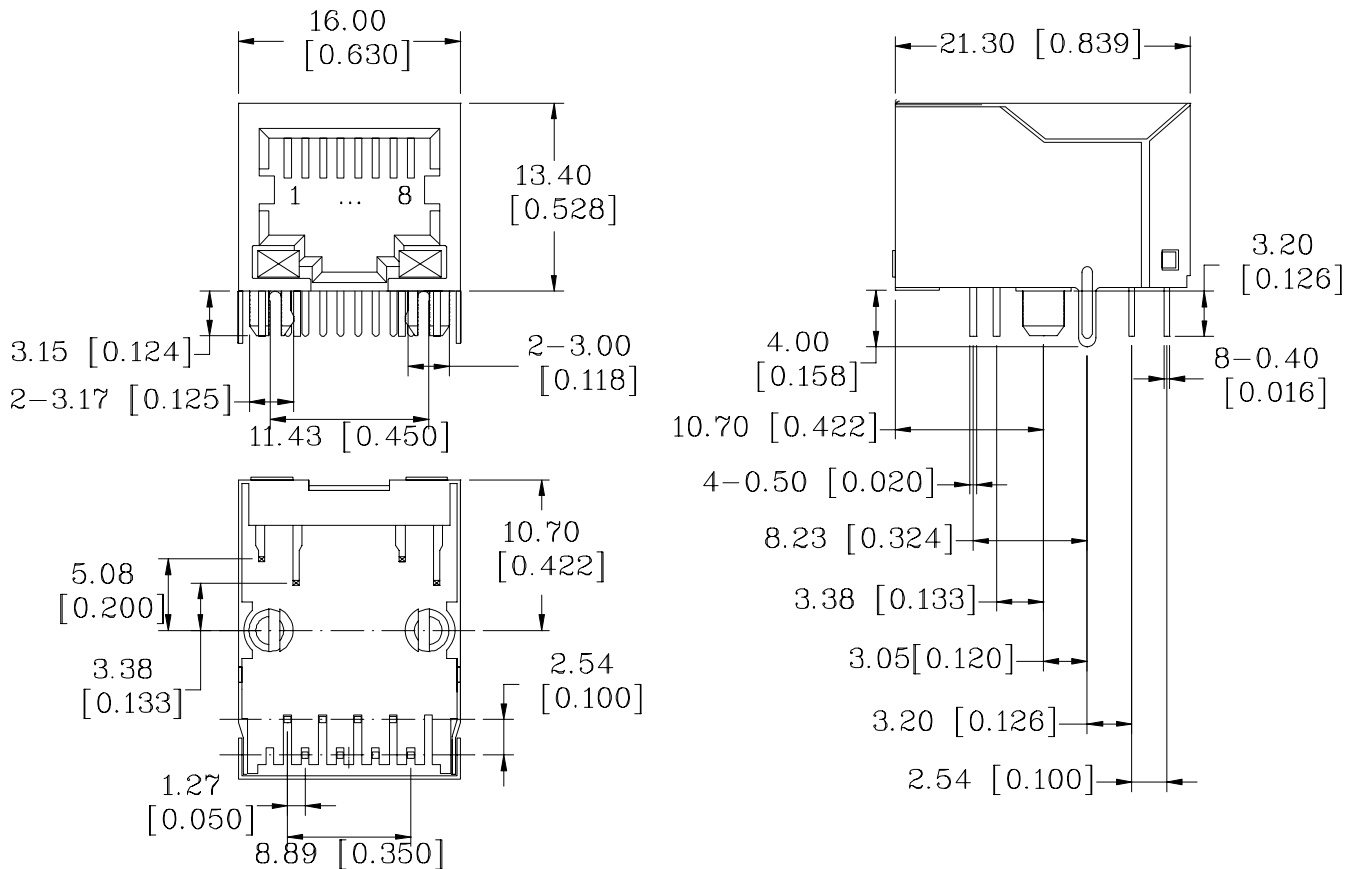
P/N:J1A121ZCD

Page : 2/3

Schematic



Mechanical



Units: mm[Inches].

Tolerance: ± 0.25 (0.010) unless specified otherwise.

Tel: +86-20-81628973

Fax: +86-20-81628967

E-mail: sales@ceetus.com.cn

Website: www.ceetus.com.cn

V0(07/10)

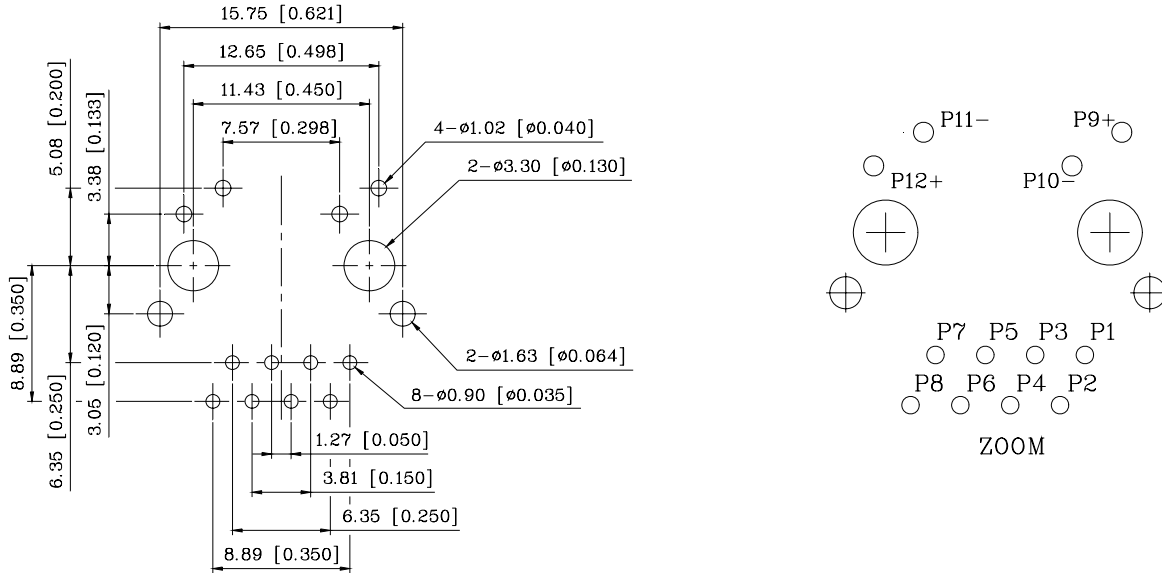


10/100 BASE-TX MAGNETICS SINGLE RJ45 CONNECTOR MODULE

P/N:J1A121ZCD

Page : 3/3

PCB Layout Mounting Hole (Top View)



NOTE:

Datasheet Change History:

V0	2007/Oct.	Datasheet Set Up

Tel:+86-20-81628973

Fax:+86-20-81628967

E-mail:sales@ceetus.com.cn

Website:www.ceetus.com.cn

V0(07/10)