

## 10/100 BASE SINGLE PORT RJ45

- Compliant with IEEE 802.3 standard.
- RoHS compliant.
- Operating temperature range :-0°C to +70°C.
- Storage temperature range:-0°C to +85°C .



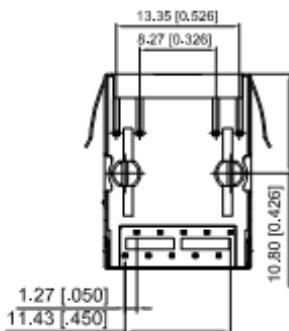
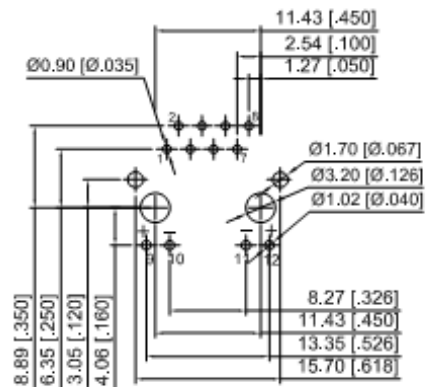
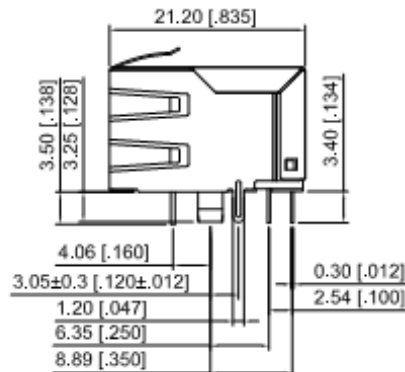
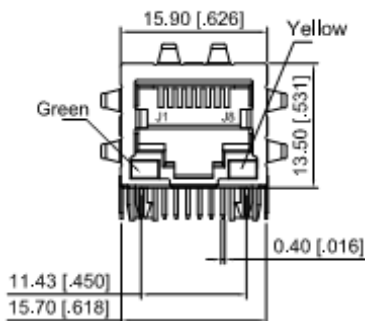
### Electrical Specifications @ 25°C

Part Number	Turns Ratio (±5%)		OCL (uH Min) @100KHz/0.1V with 8.0mA DC	Insertion Loss (dB Max)		HI-POT (Vrms)
	TX	RX		0.3-100MHz		
AE-RJD101001	1CT:1CT	1CT:1CT	350	-1.0		1500

Part Number	Return Loss (dB Min)				Cross Talk (dB Min)		CMR (dB Min)		
	1~30MHz	40MHz	50MHz	60~80 MHz	1-60 MHz	60-100 MHz	30MHz	60MHz	100MHz
AE-RJD101001	-18	-16	-12	-10	-35	-30	-40	-35	-30

### Mechanicals:



GoldPlating	Option
1.8μ"	<input type="checkbox"/>
3μ"	<input type="checkbox"/>
6μ"	<input checked="" type="checkbox"/>
15μ"	<input type="checkbox"/>
30μ"	<input type="checkbox"/>
50μ"	<input type="checkbox"/>

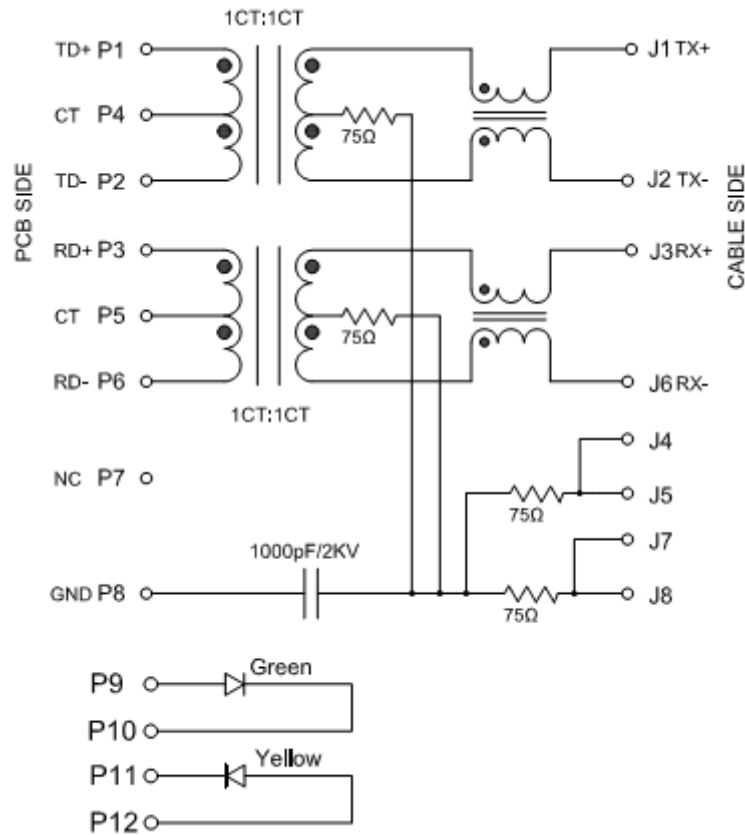
RECOMMENDED P.C.B LAYOUT  
TOP VIEW (COMPONENT SIDE)

Dimensions Tolerance:  
All PCB LAYOUT  
Tolerances:±0.05[.002]

Version: V1.0

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**Schematics:**



LED SPECIFICATION			
STANDARD LED	WAVELENGTH	Farward V(max)	TYP
GREEN	565nm	2.4V	2.2V
YELLOW	590nm	2.5V	2.1V

\*WITH A FORWARD CURRENT OF 20mA