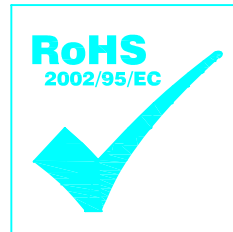
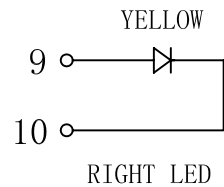
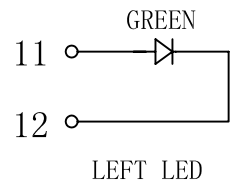
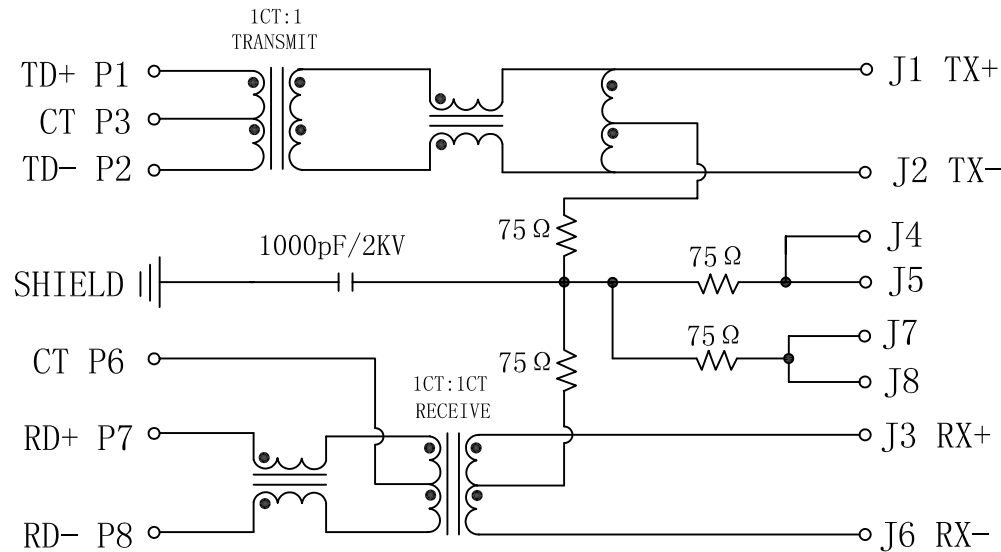


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		30/05/2009	



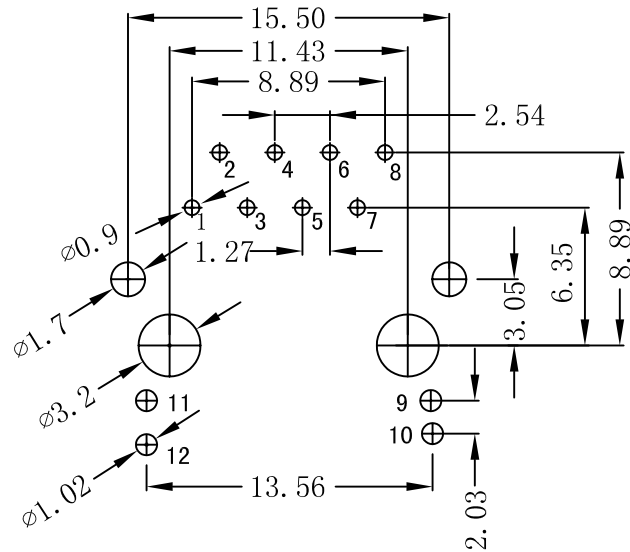
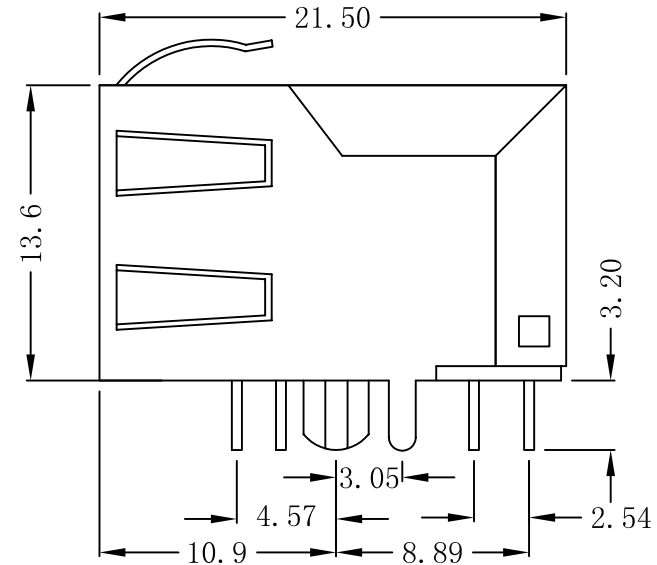
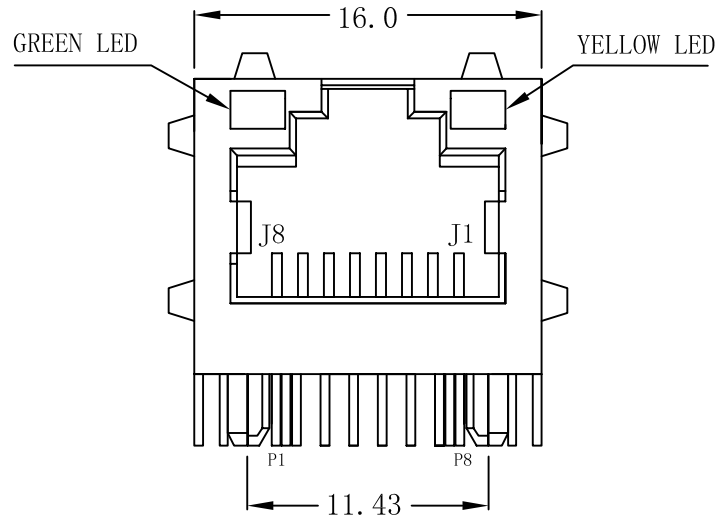
## Electrical Specification @25±5°C

- Turns Ratio ( $\pm 2\%$ ) :  
TX=1CT:1    RX=1CT:1CT
- LX:  
350uH Min 100KHz, 100mV, 8mA, DC Bias
- DCR:  
Pins: (J1-J2), (J3-J6)=1.2 OHMS Max
- Insertion Loss:  
0.3-100MHz: -1.0dB Max
- Return Loss (dB Min) :  
1-30MHz: -20    30-60MHz: -15  
60-80MHz: -10
- Crosstalk:  
1-100MHz: -30dB Min
- Common To Common Mode Rejection:  
1-100MHz: -30dB Min
- Hipot: 1500VAC for 60 seconds
- Operating Temperature: 0~70°C.

X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.10	CHKD:	Title: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: mm	PART NO. : LPJ16125AENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP09053002

# Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		30/05/2009	



Suggested PCB Layout (TOP VIEW)



## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:  
Housing: Thermoplastic UL94V-0  
Contact/Shield: Copper alloy  
Shield plating: Nickel  
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max  
Wave solder tip temperature time: 5 Sec Max

X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.10	CHKD:	Title: RJ45 Connector With 10/100 Base-TX Integrated Magnetic	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: mm	PART NO.: LPJ16125AENL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP09053002