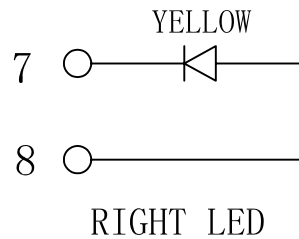
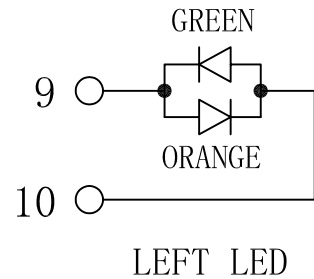
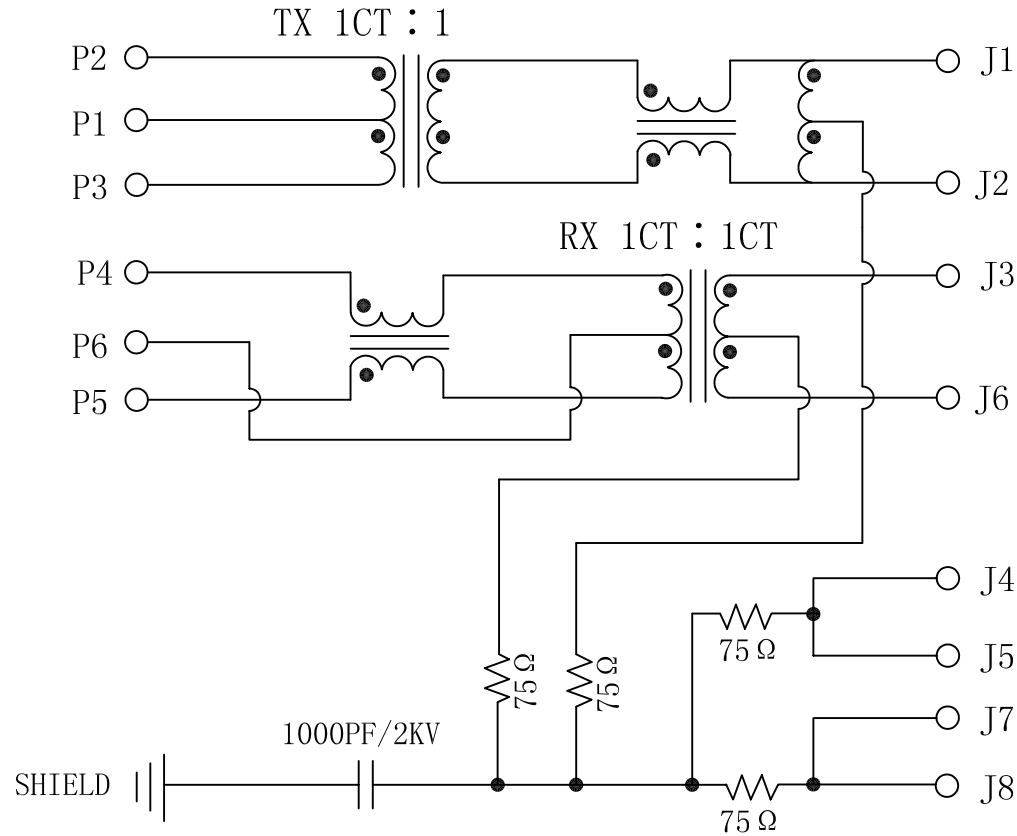


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		10/11/2008	



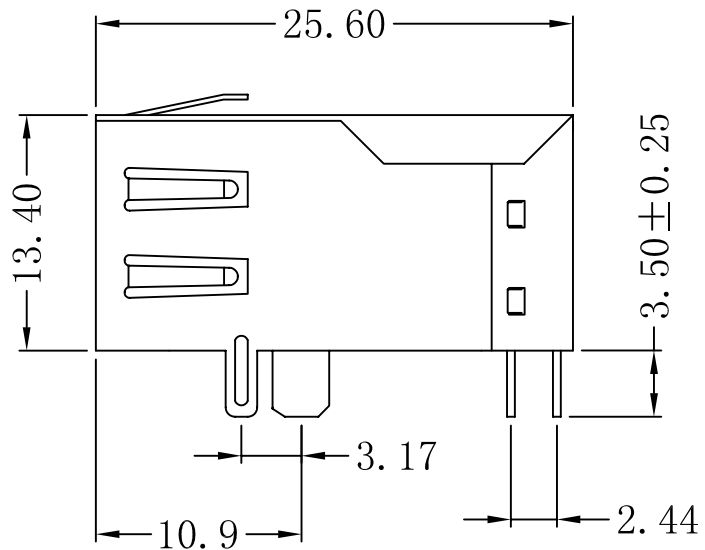
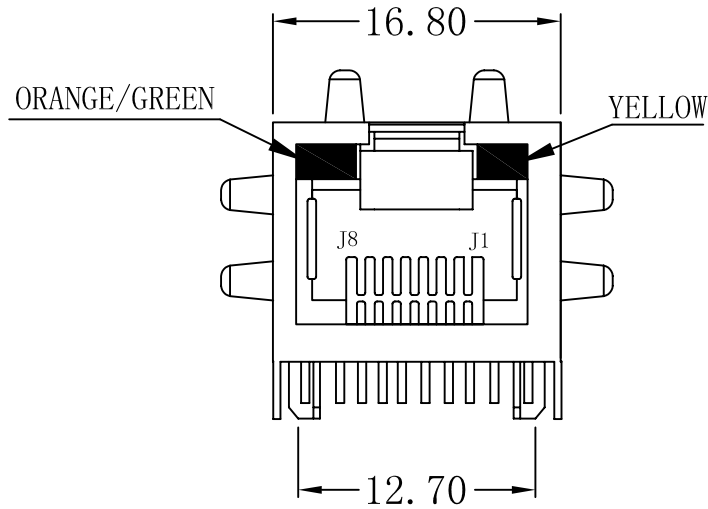
## Electrical Specifications @25°C

- Turns Ratio ( $\pm 2\%$ ):  
TX=1CT:1      RX=1CT:1CT
- Inductance (100KHz/0.1V@8mA): 350uH min
- Insertion Loss:  
0.1-100MHz: -1.0dB max
- Return Loss (dB min):  
1-10MHz: -20  
10-30MHz: -16  
30-60MHz: -12  
60-100MHz: -10
- Crosstalk (dB min):  
1-30MHz: -40  
30-60MHz: -35  
60-100MHz: -30
- Common Mode Rejection (dB min):  
1-50MHz: -30  
50-150MHz: -20
- Hipot: 1500Vrms MIN
- Operating Temperature: 0°C ~ 70°C.

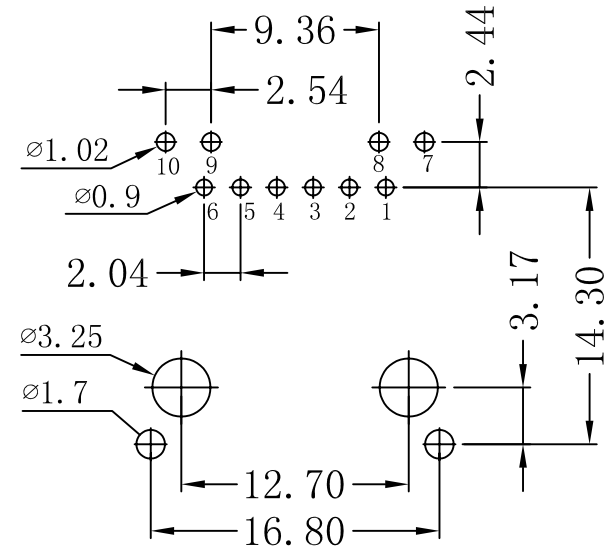


X:X	$\pm 0.20$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	$\pm 0.10$	CHKD:	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic	
X:XXX	$\pm 0.05$	DR: TOM	PART NO.: LPJ2026KONL	
ANGLES	$\pm 1^\circ$	UNIT: mm	DWG NO.: LP08111006	
	SCALE: 2/1	SHEET: 1/2	REV: A	

# Mechanical:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		10/11/2008	



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	PART NO.: LPJ2026KONL	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ2026KONL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP08111006