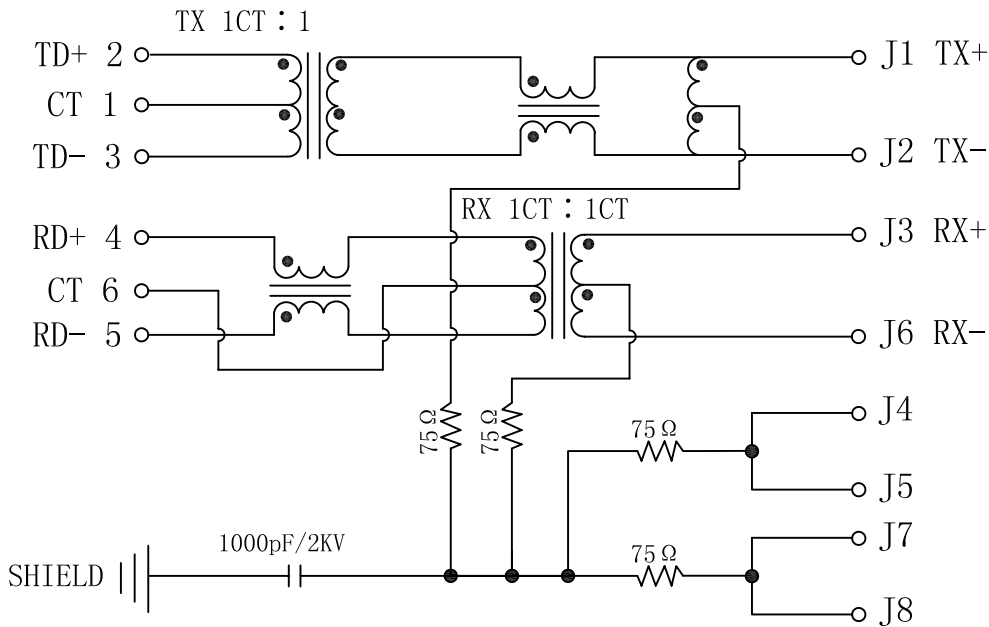


Schematic:

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

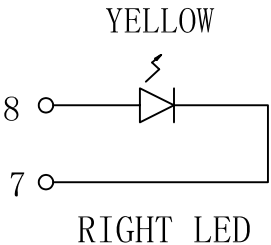
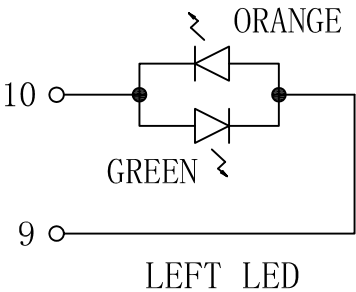
PCB SIDE TO PHY



CABLE SIDE

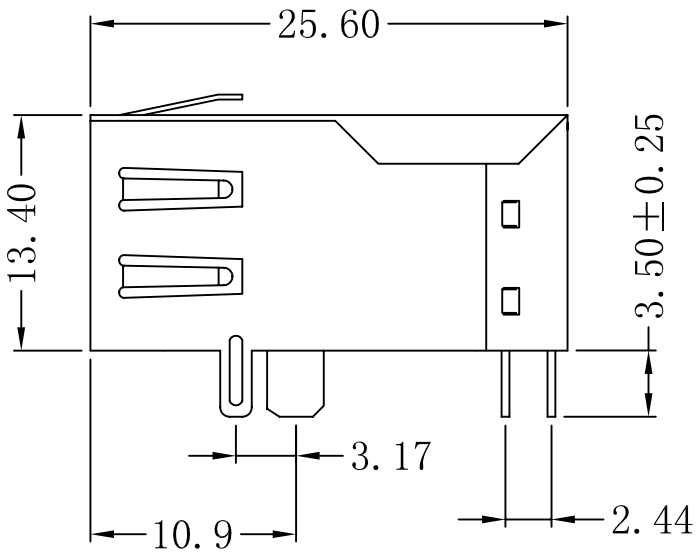
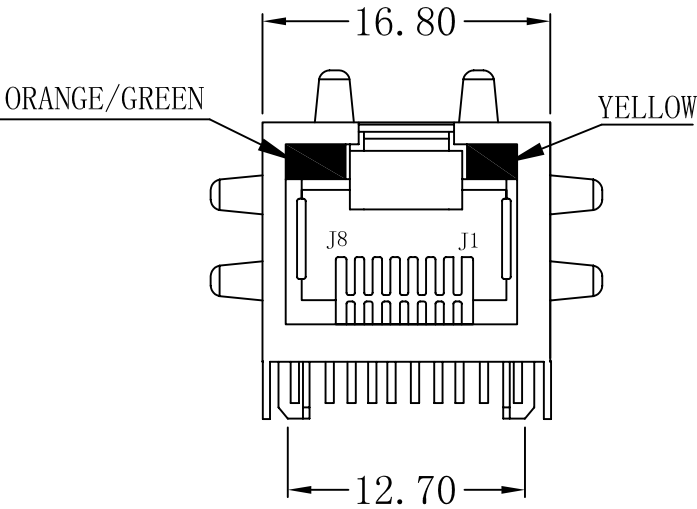
Electrical Specifications@25°C:

- 1. Turns Ratio($\pm 2\%$):
TX=1CT:1 RX=1CT:1CT
- 2. Inductance(100KHz/0.1V@8mA):350uH min
- 3. Insertion Loss:
0.1-100MHz:-1.0dB max
- 4. Return Loss(dB min):
1-10MHz:-20
10-30MHz:-16
30-60MHz:-12
60-100MHz:-10
- 5. Crosstalk(dB min):
1-30MHz:-40
30-60MHz:-35
60-100MHz:-30
- 6. Common Mode Rejection(dB min):
1-50MHz:-30
50-150MHz:-20
- 7. Hipot: 1500Vrms min
- 8. Operating Temperature: -40°C~+85°C.

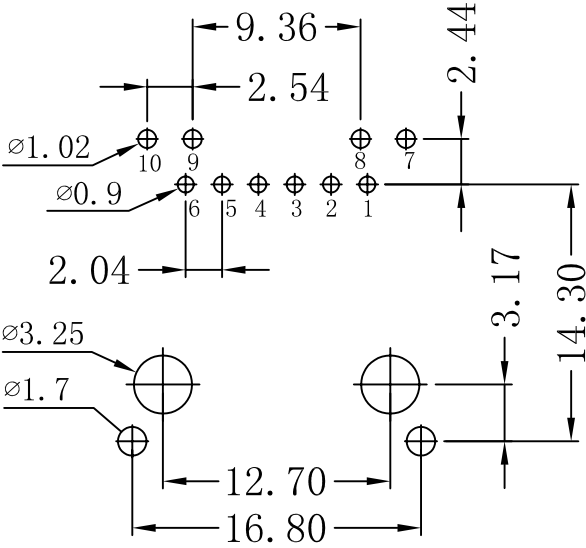


X:X	± 0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.10	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJ9026K0NL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO.: LP08111006

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		
ANGLES	±1°	UNIT: mm	PART NO. :	LPJ9026K0NL
		SCALE: 2/1	SHEET: 2/2	REV: A DWG NO. : LP08111006