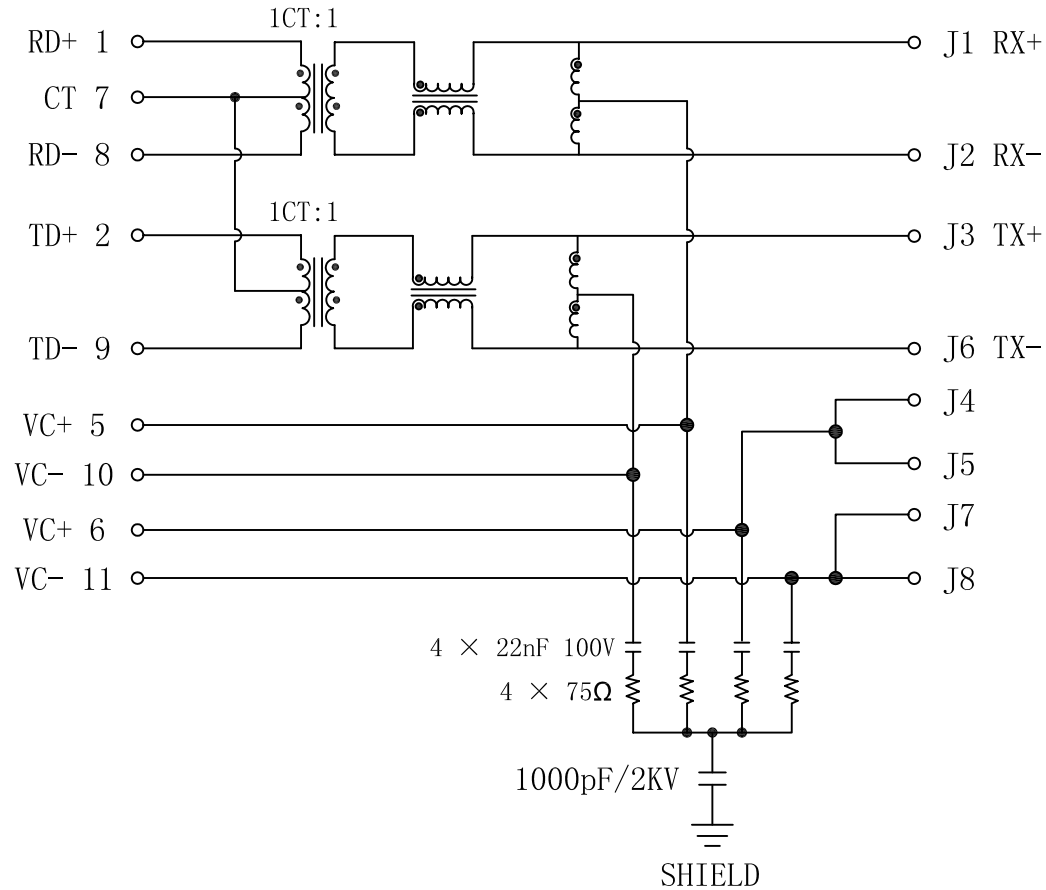


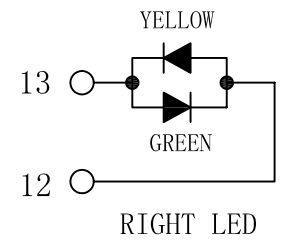
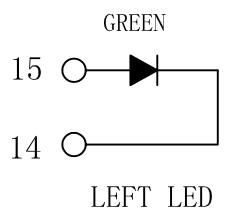
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/04/06	



Electrical Specifications @25°C

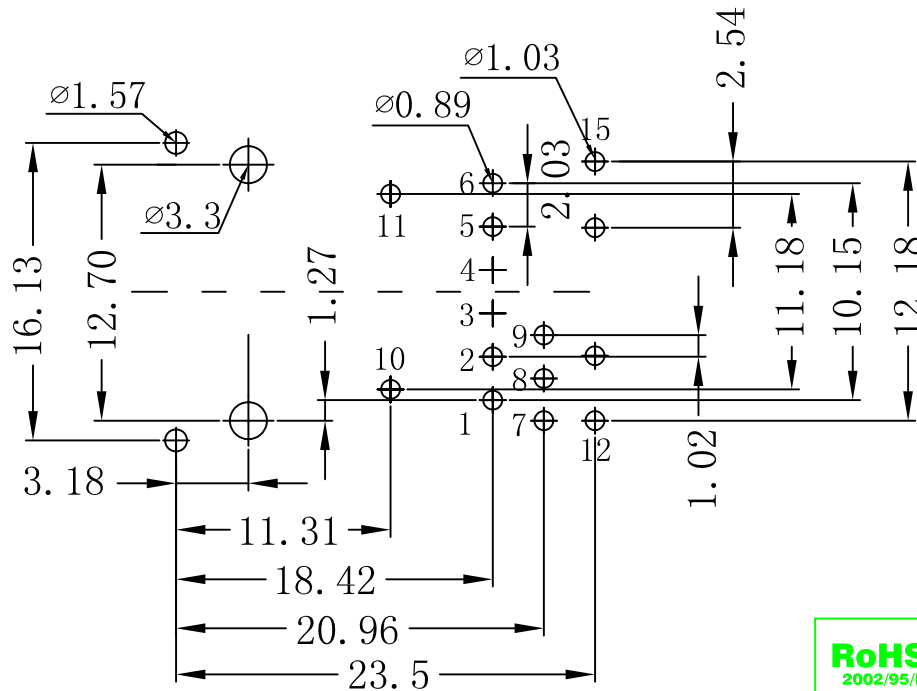
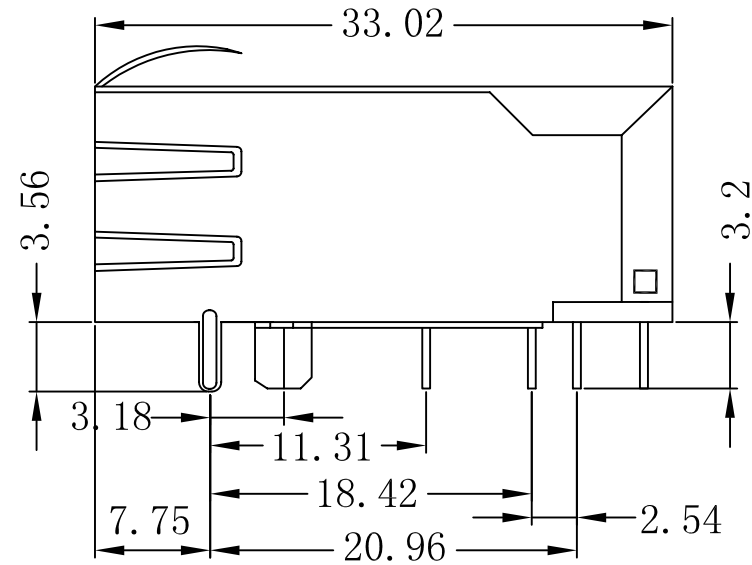
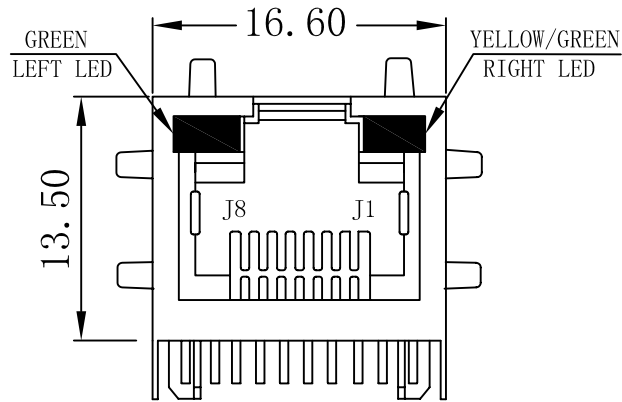
- OCL: 350uH Min
@100KHz, 100mV, 8mA bias current.
- Turns Ratio(±2%):
TX=1CT:1 RX=1CT:1
- Insertion Loss:
0.1-100MHz:-1.5dB Max
- Return Loss:
2-30MHz:-16 Min
60-80MHz:-10 Min
- Crosstalk:
0.1-100MHz:-30dB Min
- Balanced DC Line Current:
350mA Max @ 57 VDC Continuous
500mA Max @ 57 VDC For 200 Millseconds
- Hipot: 1500Vrms
- Operating Temperature: 0°C~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 & PoE	
X:XXX	±0.05	DR: TOM	PART NO. : LPJK1014A8NL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP13040602

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2013/04/06	



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:	
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-TX Integrated Magnetic & PoE
ANGLES	±1°	UNIT: mm	PART NO.: LPJK1014A8NL
	SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.: LP13040602