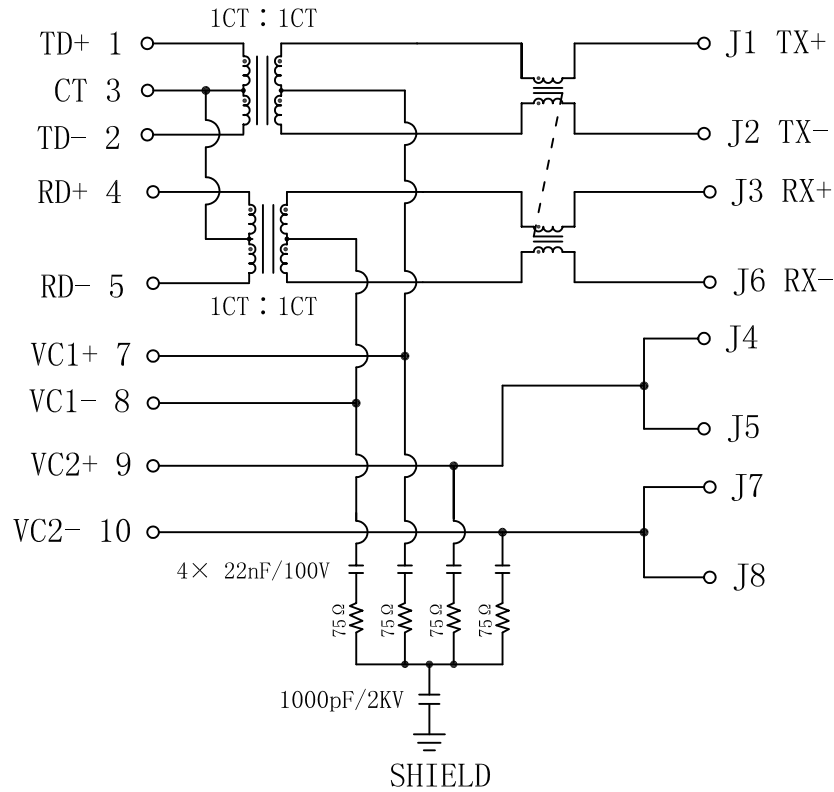


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/09/02	

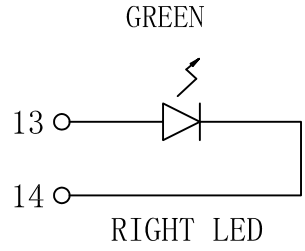
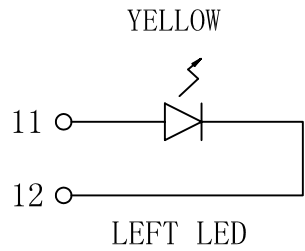
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

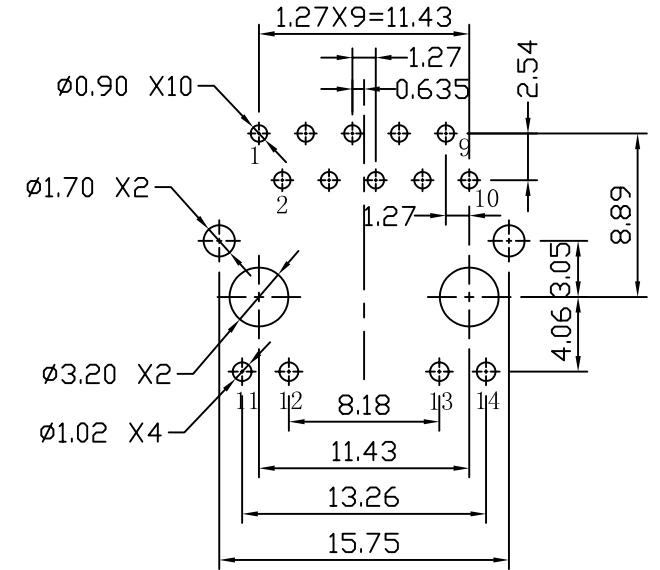
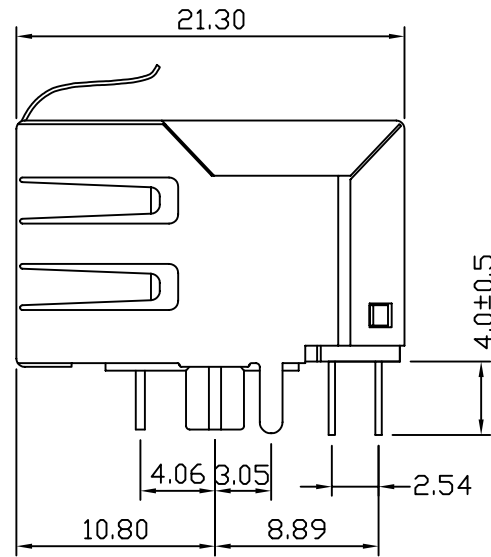
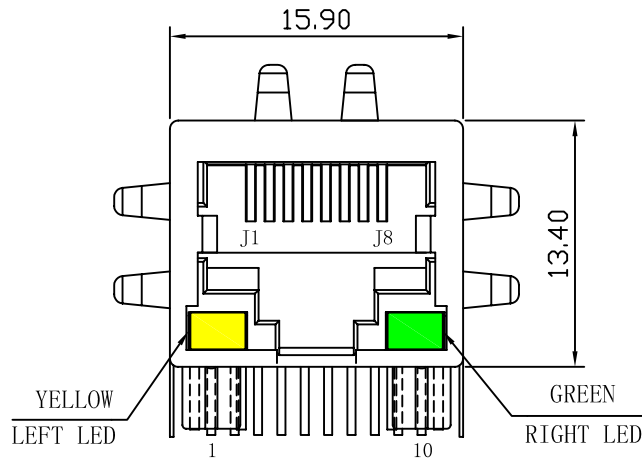
- Inductance (100KHz, 0. 1V, 18mADC) :
350uH Min
- Turns Ratio ($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Insertion Loss:
1-100MHz:-1.0 dB Max
- Return Loss (dB Min):
1-30MHz:-18 30-45MHz:-16
45-60MHz:-14 60-80MHz:-12
- Crosstalk:
1-100MHz:-30dB Typ
- Common Mode Rejection:
1-100MHz:-30dB Min
- Hipot: 1500Vrms Min @60Hz
- Operating Temperature: 0°C ~70°C.



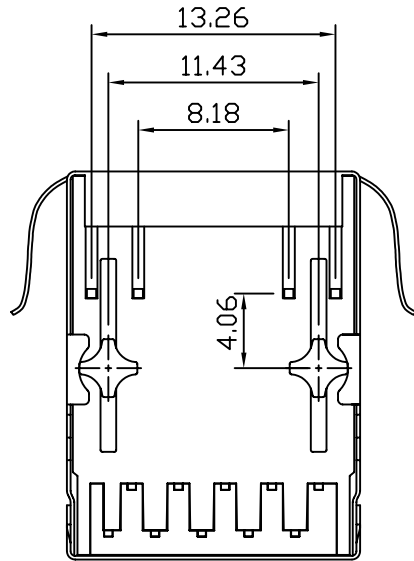
X:X ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX ±0.20	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
X:XXX ±0.05	DR: TOM	PART NO. : LPJ0162GDNL		
ANGLES ±1°	UNIT: mm			
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10090210

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/09/02	



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 ±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: LPJ0162GDNL
	SCALE: 2/1	SHEET: 2/2
	REV: A	DWG NO.: LP10090210