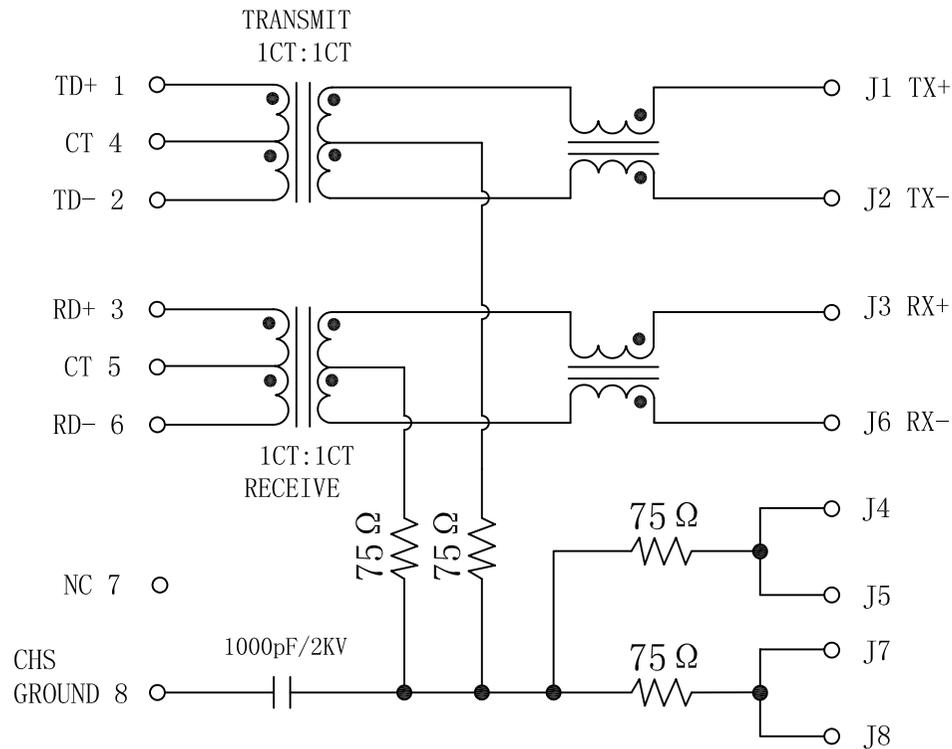


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/02/06	

PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

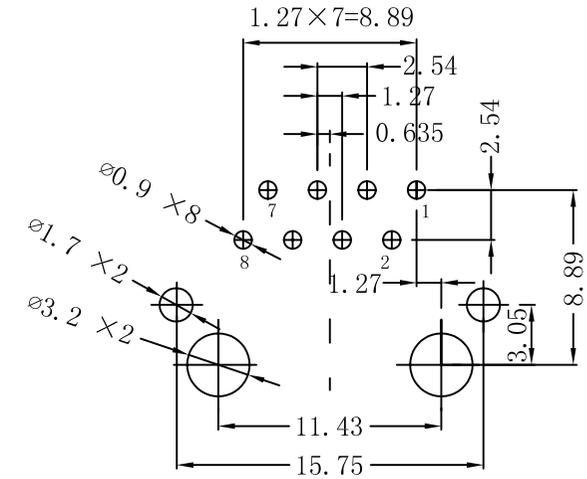
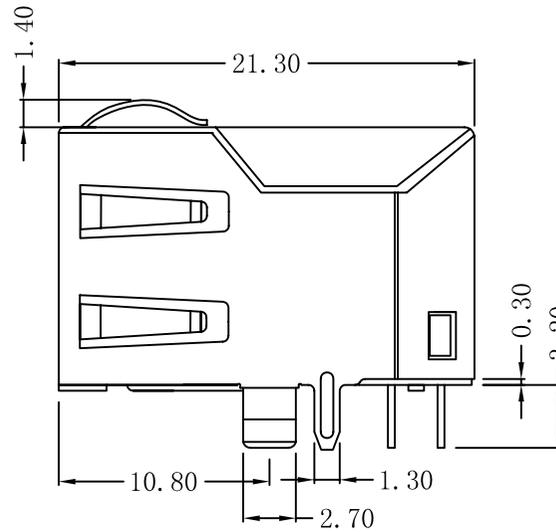
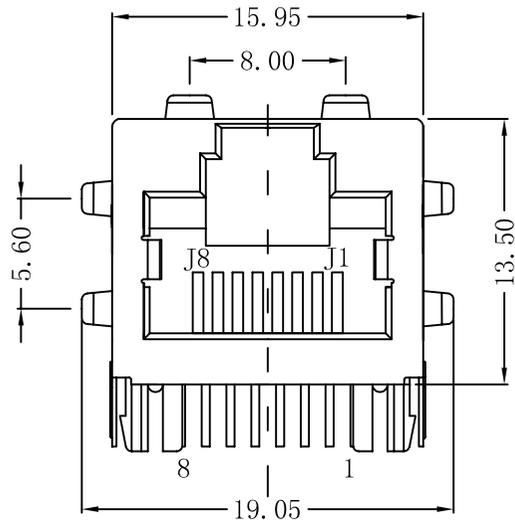
- Turns Ratio ($\pm 2\%$):
TX=1CT : 1CT RX=1CT : 1CT
- OCL: 350uH Min
@100KHz, 0.1V, 8mA bias current
- Insertion Loss:
0.3-100MHz:-1.2dB Max
- Return Loss(dB Min):
1-30MHz:-16 40MHz:-14
50MHz:-13 60-80MHz:-12
- Crosstalk(dB Min):
0.3-30MHz:-40 30-60MHz:-35
60-100MHz:-30
- CMR(dB Min):
1-50MHz:-30 50-150MHz:-20
- Isolation Voltage: 1500Vrms
- Operating Temperature: -40°C ~ +85°C



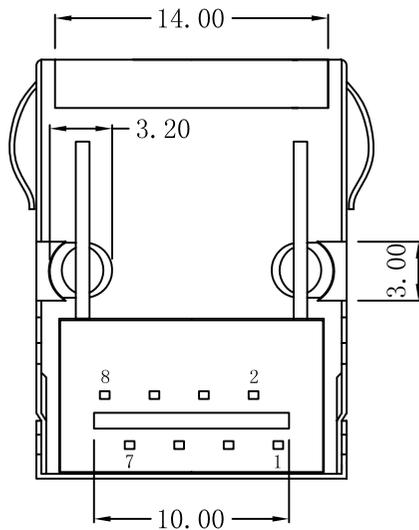
X:X	± 0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.10	CHKD:	TITLE: RJ45 Connector With 10/100 Base-TX Integrated Magnetic TAB-UP	
X:XXX	± 0.05	DR: TOM	PART NO.: LPJ16611CNL	
ANGLES	$\pm 1^\circ$	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO: LP12020622

Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/02/06	



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:	TITLE: RJ45 Connector With 10/100 Base-TX Integrated Magnetic TAB-UP	
X:XXX	±0.05	DR: TOM	PART NO. : LPJ16611CNL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO: LP12020622