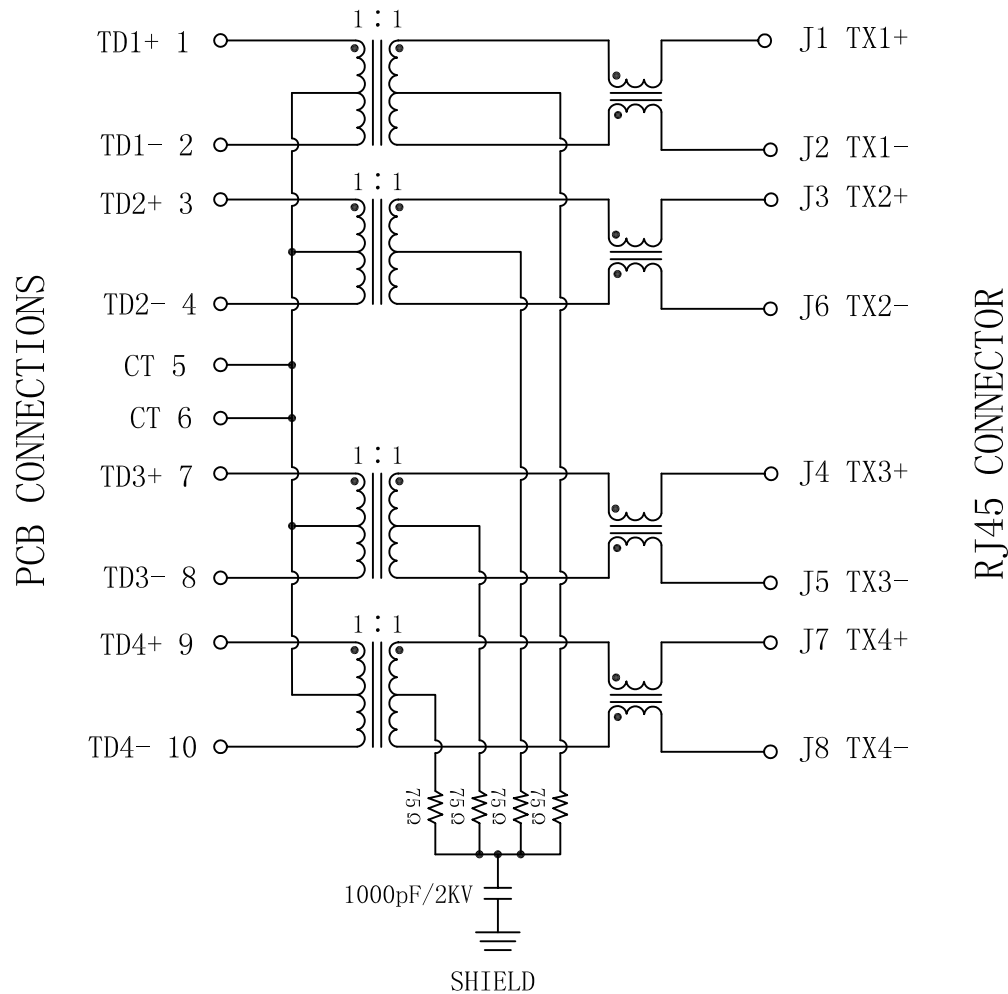


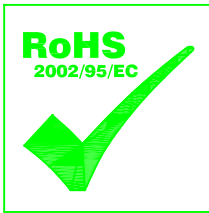
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/12/07	



Electrical Specifications @ 25°C

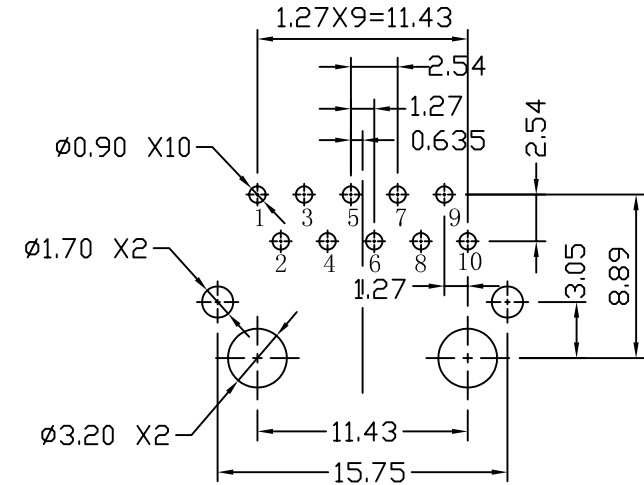
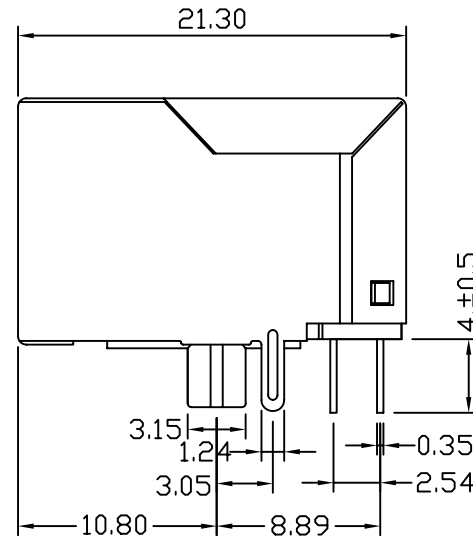
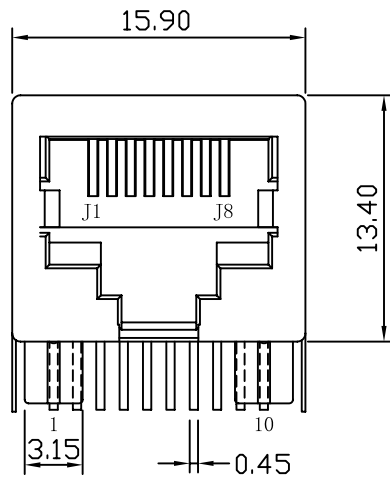
- Turns Ratio:
TX=1 : 1 RX=1 : 1
- INDUCTANCE(@100KHz, 100mV, 8mA DC BIAS) :
J1-J2; J3-J6; J4-J5; J7-J8: 350uH min
- Insertion Loss:
0.3~100MHz:-1.2dB Max
- Return Loss(dB Min. load 100 Ω) :
1~30MHz:-16 40MHz:-13.5
50MHz:-11.5 60~80MHz:-10
- Crosstalk(dB Min) :
30MHz:-40 60MHz:-36
100MHz:-30
- Differential to Common Mode Rejection:
30MHz:-35dB Min 60MHz:-32dB Min
100MHz:-30dB Min
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: -40°C~+85°C.



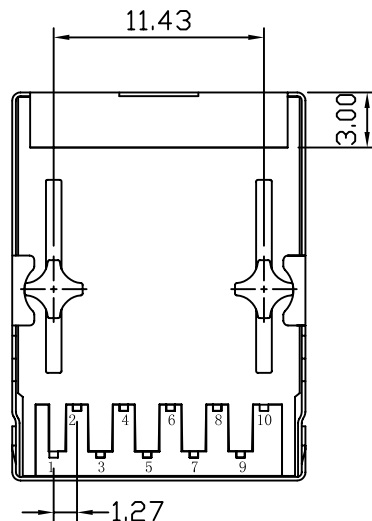
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.20	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: mm	PART NO. : LPJG4801DNL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : LP10120726

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/12/07	



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:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
X:XXX	±0.05	DR: TOM		
ANGLES	±1°	UNIT: mm	PART NO. : LPJG4801DNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO. : LP10120726		