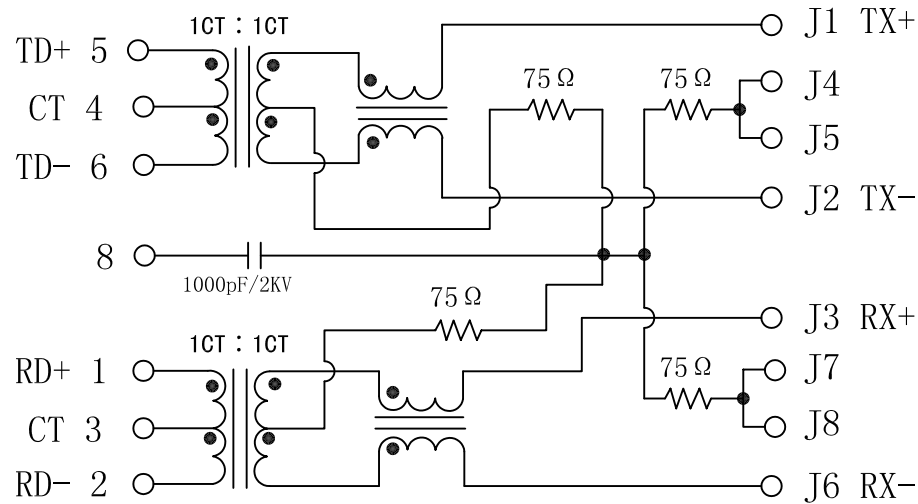


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/11/16	

LAN CHIP SIDE



RJ CABLE SIDE

## Electrical Specifications @25°C

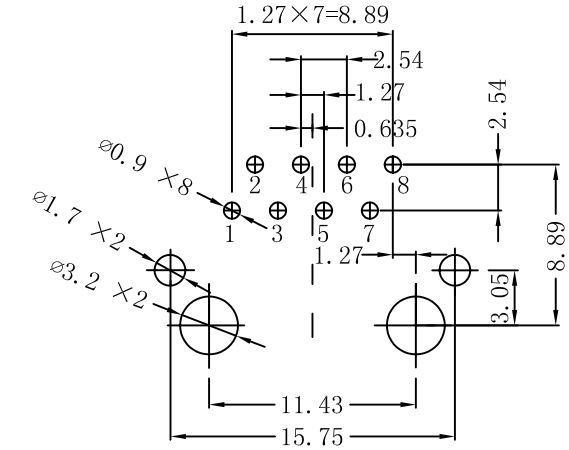
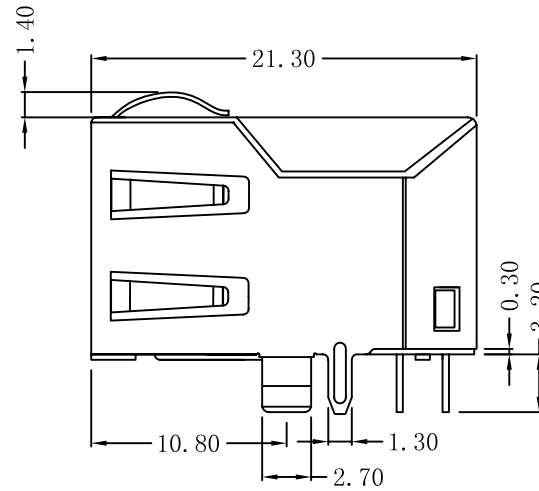
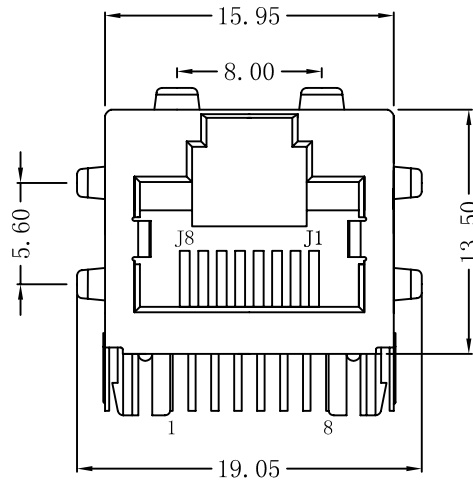
- Turns Ratio ( $\pm 2\%$ ) :  
TX=1CT:1CT      RX=1CT:1CT
- Primary Inductance(1-2, 5-6) :  
350uH Min  
@100KHz, 0.1Vrms, 8mA DC bias
- Insertion Loss:  
0.5-100MHz: -1.1dB Max
- Return Loss(dB Min):  
0.5-30MHz:-18;  
30.1-60MHz:-[18-20LOG(f/30)]  
60.1-80MHz:-12
- Crosstalk(dB Min):  
0.5-40MHz: -35  
40.1-100MHz: -[33-20LOG(f/50)]
- Common Mode Rejection Ratio:  
0.5-100MHz: -30dB Min
- Hipot Test: 1500Vrms
- Operating Temperature: -40°C ~+85°C.



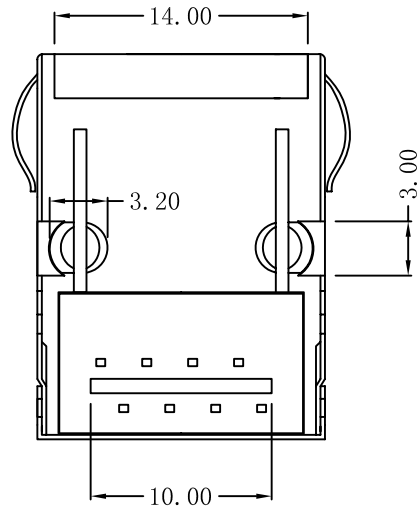
X:X	$\pm 0.20$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	$\pm 0.10$	CHKD:	
X:XXX	$\pm 0.05$	DR: TOM	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJ16664CNL
	SCALE: 2/1	SHEET: 1/2	REV: A      DWG NO: LP12111605

# Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/11/16	



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 TAB-UP
ANGLES	±1°	UNIT: mm	PART NO.: LPJ16664CNL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO: LP12111605