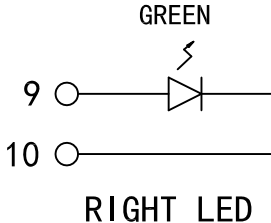
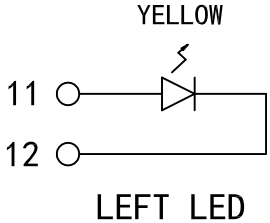
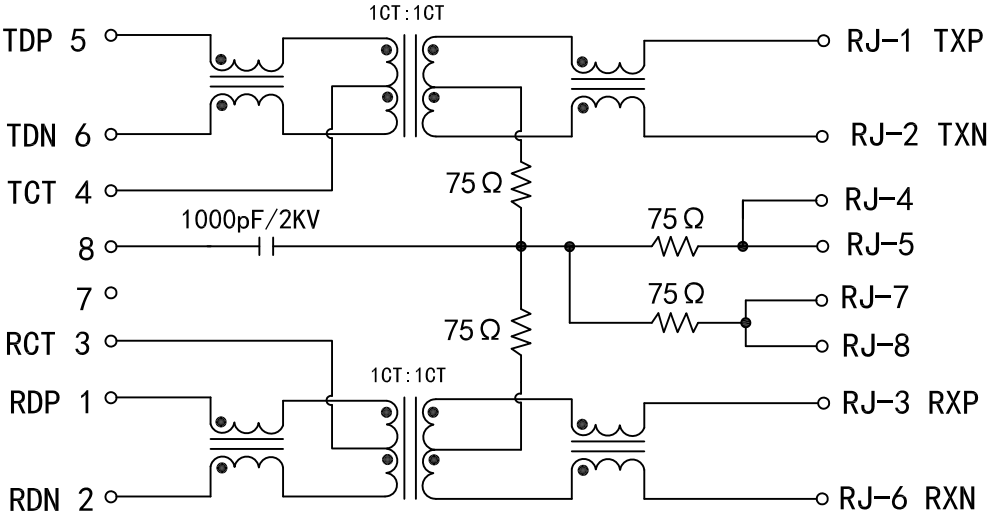


Schematic:



Electrical Specifications @25℃

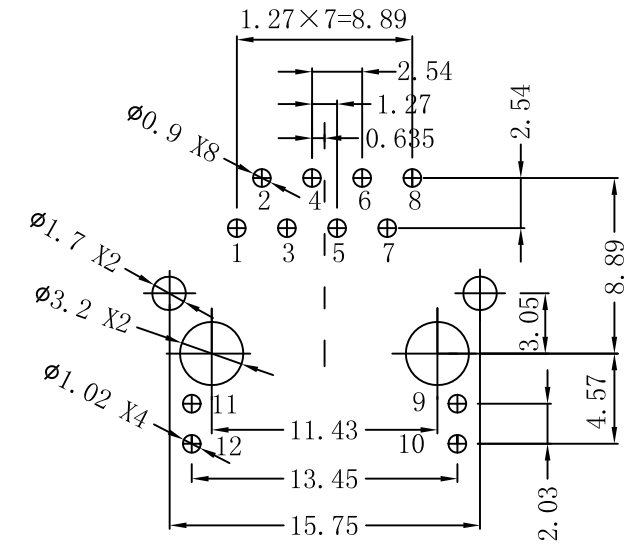
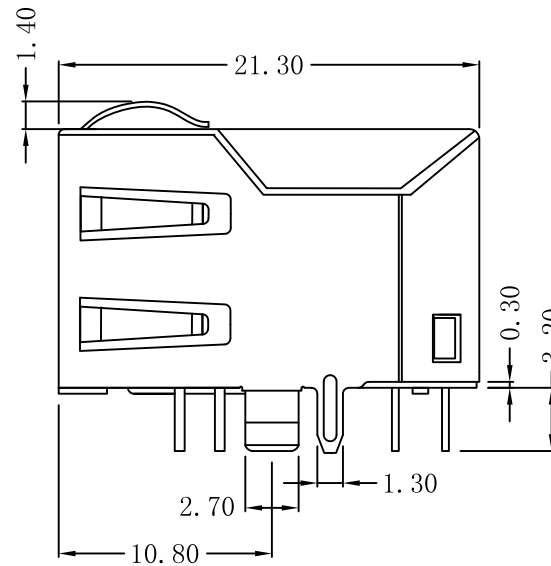
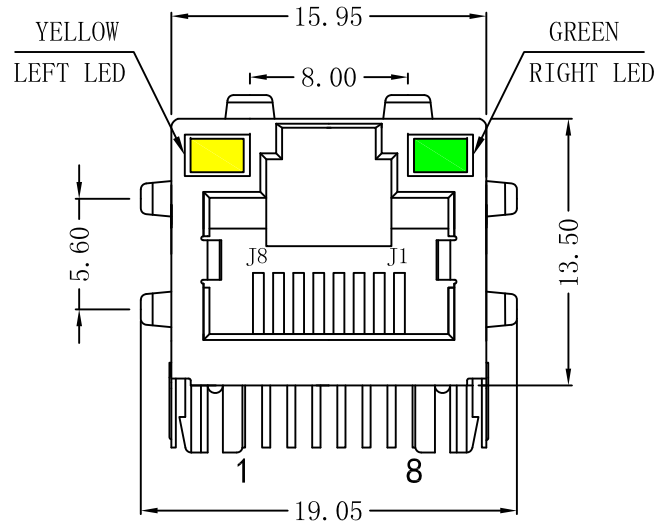
- 1. Turns Ratio ($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- 2. Inductance OCL: 350uH Min
@100KHz, 01Vrms, 8mADC Bias
- 3. Insertion Loss:
0.5-100MHz:-1.1dB Max
- 4. Return Loss(dB Min):
0.5-30MHz:-18
30.1-60MHz:-18-20LOG(f/30)
60.1-80MHz:-12
- 5. Crosstalk(dB Min):
0.5-40MHz:-35
40.1-100MHz:-33-20LOG(f/50)
- 6. Common Mode Rejection Ratio(CMRR):
0.5-100MHz:-30dB Min
- 7. Isolation Voltage: 1500Vrms
- 8. Operating Temperature: -40℃~+85℃.



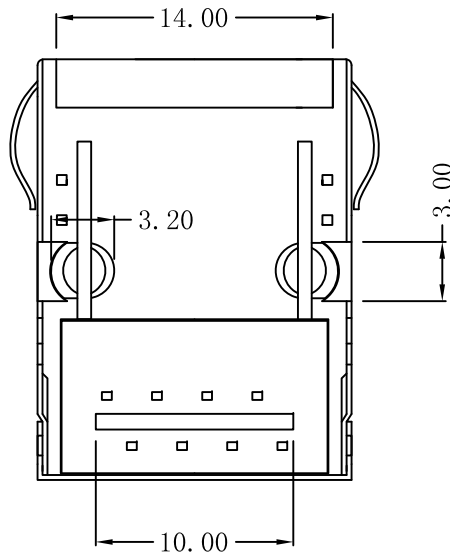
X:X	±0.20	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 Connector With 10/100 Base-TX Integrated Magnetic TAB-UP	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ16054ADNL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO: LP12072013

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/07/20	



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.: LPJ16054ADNL			
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO: LP12072013		