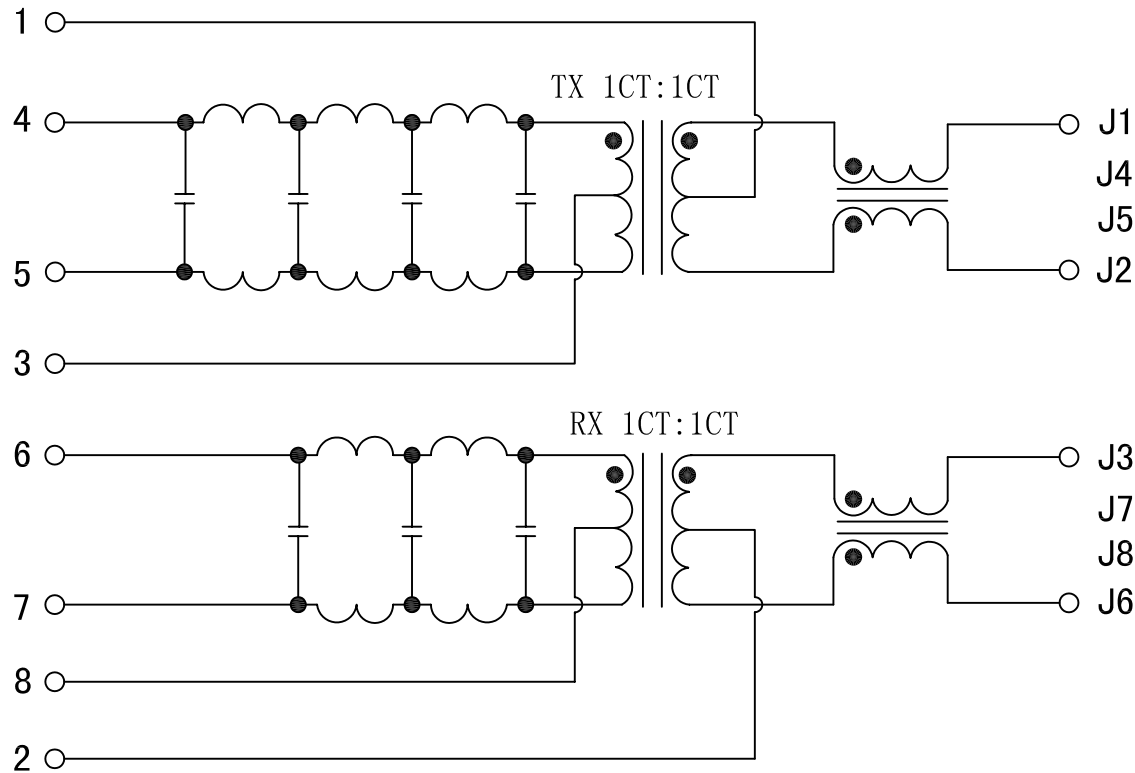


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		08/07/2009	



## Electrical Specifications @25°C

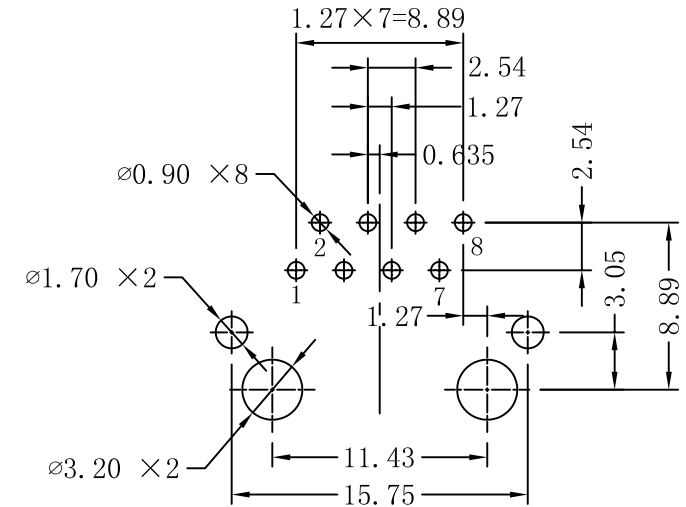
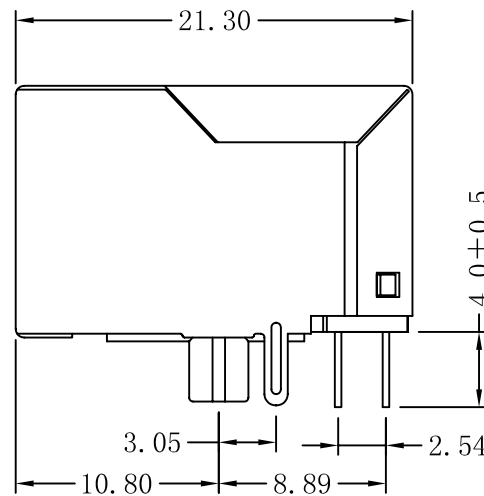
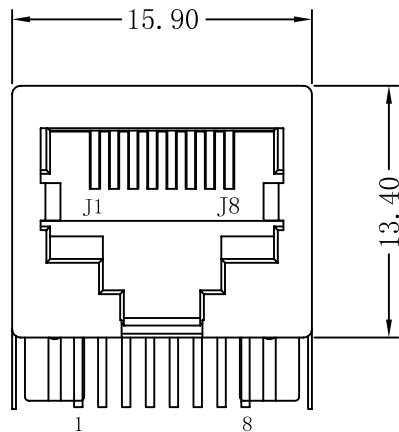
- Turns Ratio ( $\pm 5\%$ ) :  
TX=1CT:1CT      RX=1CT:1CT
- Return Loss (TX/RX) :  
5-10MHz:-13.5dB Min
- Crosstalk (TX/RX) :  
1-10MHz:-30dB Min
- Insertion Loss (TX/RX) :  
1-10MHz:-1.0dB Max
- Attenuation (TX/RX) :  
20/25/30/40MHz  
(TX:-5/-18/-28/-33dB Min) ;  
(RX:-4.2/-11/-16/-26dB Min)
- CMR (TX/RX) :  
30-100MHz:-30dB Min
- Isolation Voltage:1200Vrms/0.5mA
- Inductance:150uH Min @100KHz/0.1V
- Operating temperature range: 0°C ~70°C.



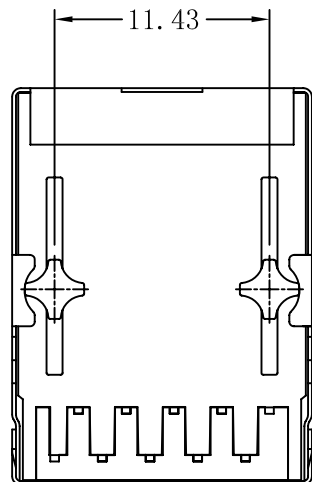
X:X	$\pm 0.25$	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	$\pm 0.10$	CHKD:	TITLE: RJ45 Connector With 10 Base-TX Integrated Magnetic	
X:XXX	$\pm 0.05$	DR: TOM	PART NO. : LPJ0022DNL	
ANGLES	$\pm 1^\circ$	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP09070801

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		08/07/2009	



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	±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.10	CHKD:	TITLE: RJ45 Connector With 10 Base-TX Integrated Magnetic	
X:XXX	±0.05	DR: TOM	PART NO.: LPJ0022DNL	
ANGLES	±1°	UNIT: mm	DWG NO.: LP09070801	
		SCALE: 2/1	SHEET: 2/2	REV: A