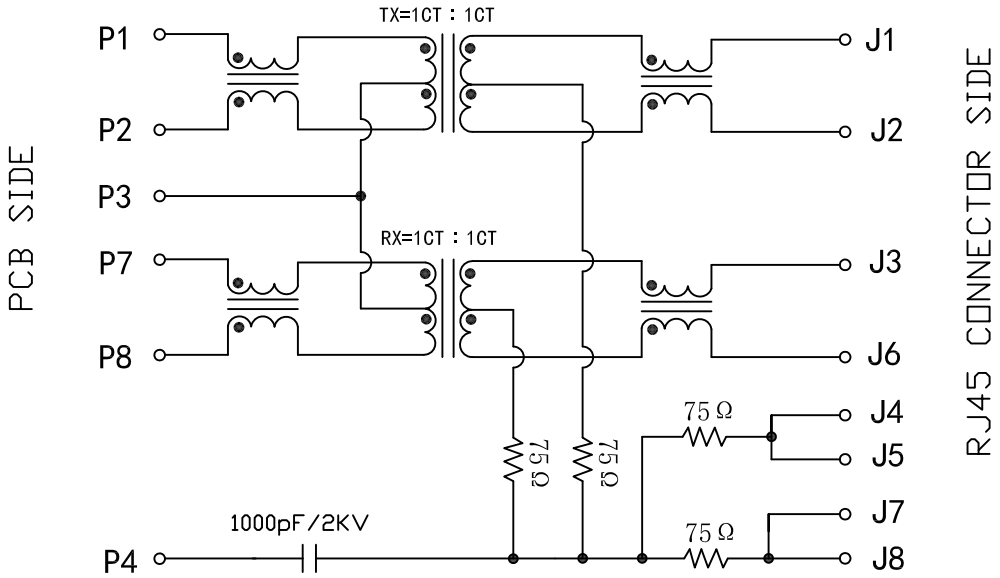
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/02/16	



ELECTRICAL SPECFICATIONS @25℃

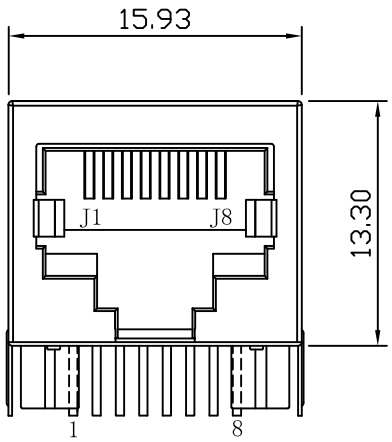
1. Turn Ratio(±3%):
   TX=1CT : 1CT RX=1CT : 1CT
2. OCL: 350uH MIN
   @100KHz/100mV 8mADC
3. Insertion Loss:
   -1.0dB MAX @ 100KHz-100MHz
4. Return Loss:
   -18dB MIN @ 1-30MHz
   -15dB MIN @ 40-50MHz
   -10dB MIN @ 60-80MHz
5. Cross talk:
   -38dB TYP @ 100KHz-100MHz
6. CMRR:
   -40dB TYP @ 100KHz-100MHz
7. Isolation Voltage: 1500Vrms MIN
8. Operating Temperature: 0℃ TO 70℃.

RoHS 2011/65/EU

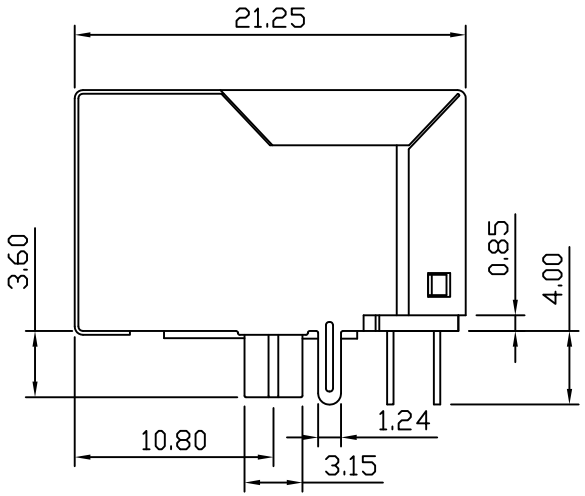
X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.20	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
X:XXX ±0.05	DR: TOM	PART NO.: LPJ0007DNL	
ANGLES ±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP12021601

Mechanical:

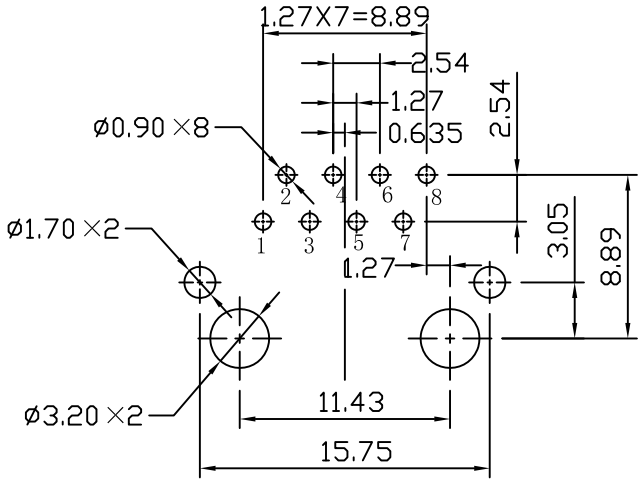
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2012/02/16	



Front Side View

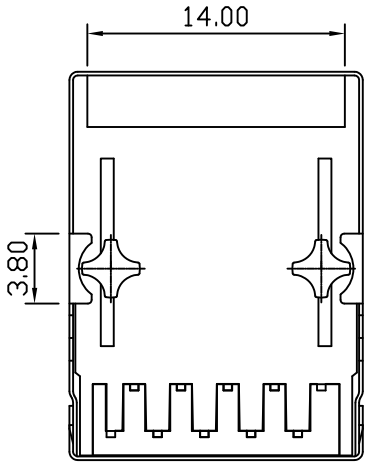


Left Side View



Suggested PCB Layout(Top View)

RoHS 2011/65/EU



Bottow Side View

Top Side 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 PBT+30%G.F UL94V-0
   Contact: Phosphor Bonze C5210R-EH Thickness=0.35mm
   Pins: Brass C2680R-H Thickness=0.35mm
   Shield: SUS 201-1/2H Thickness=0.2mm
   Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265℃ Max, 5 Sec Max.
5. UL Certification: File Number E484635.

X:X ±0.25	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX ±0.20	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
X:XXX ±0.05	DR: TOM		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ0007DNL	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP12021601