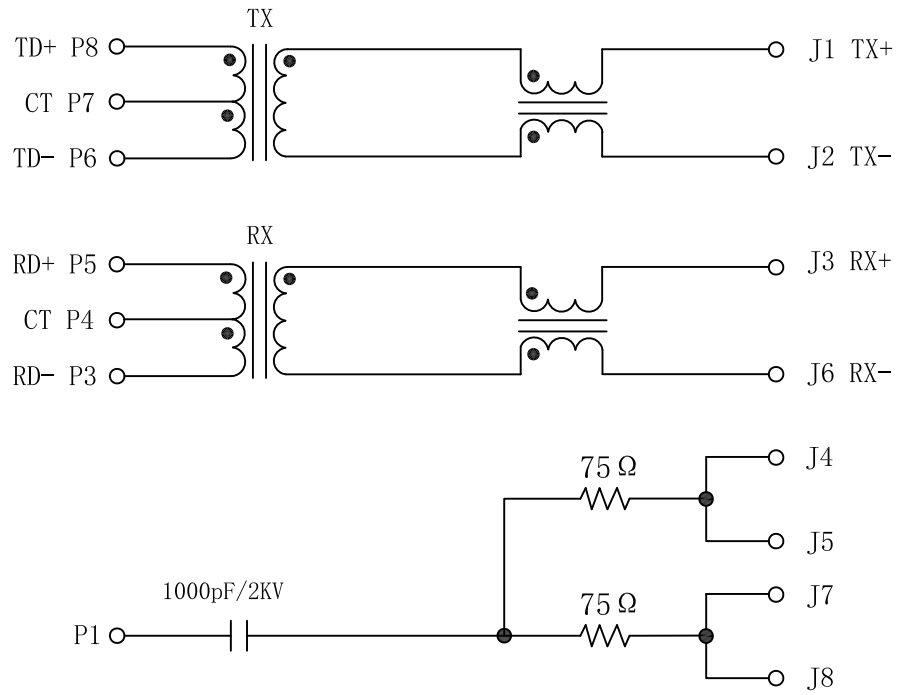


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-12-12	

PC BOARD CONNECTIONS



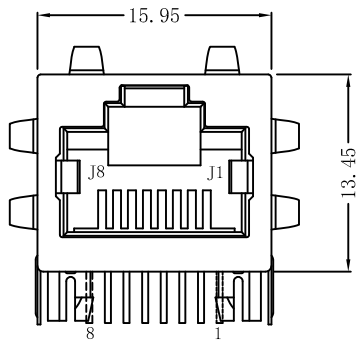
RJ45 CONNECTOR

- Electrical Specifications @25℃
- 1. Turns Ratio ($\pm 3\%$) :
(P5-P4-P3) : (J3-J6)=1CT:1CT
(P8-P7-P6) : (J1-J2)=1CT:1CT
 - 2. OCL (@100KHz, 0. 1Vrms, 8mA DC BIAS) :
350uH Min
 - 3. Insertion Loss:
0. 1-100MHz:-1. 1dB Max
 - 4. Return Loss(dB Min) :
1-30MHz:-18; 30-80MHz:-12
 - 5. Crosstalk:
1-100MHz:-30dB Min
 - 6. Common Mode Rejection:
1-100MHz:-35dB Min
 - 7. Isolation Voltage: 1500VAC
 - 8. Operating Temperature: 0℃~70℃.

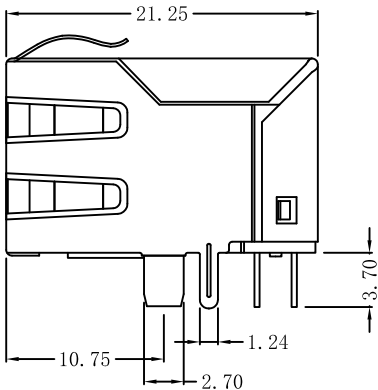


X:X $\pm 0. 25$	APPD:	LINK-PP INT’ L TECHNOLOGY CO., LIMITED		
X:XX $\pm 0. 20$	CHKD:			
X:XXX $\pm 0. 05$	DR: TOM	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES $\pm 1^{\circ}$	UNIT: mm	PART NO. : LPJ16286CNL		
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP14121250

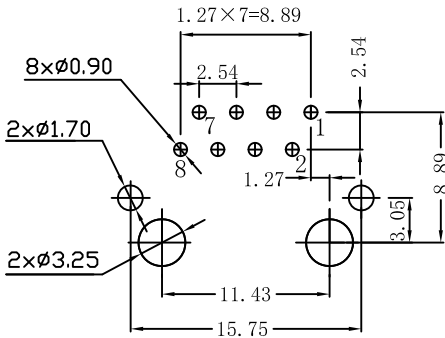
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-12-12	



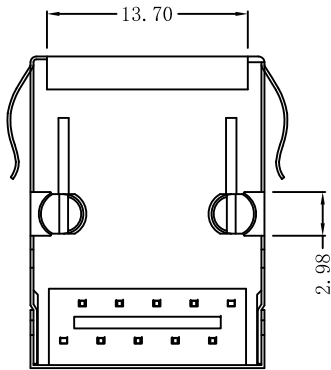
Front Side View



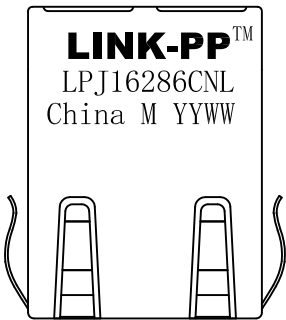
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

- 1.Meets IEEE 802.3 specification
- 2.Connector Materials:
Housing Material:Thermoplastic PBT+30%G.F UL94V-0
Contact Material:Phosphor Bronze 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.
- 3.Wave solder tip temperature: 265℃ Max, 5 Sec Max



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.: LPJ16286CNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP14121250