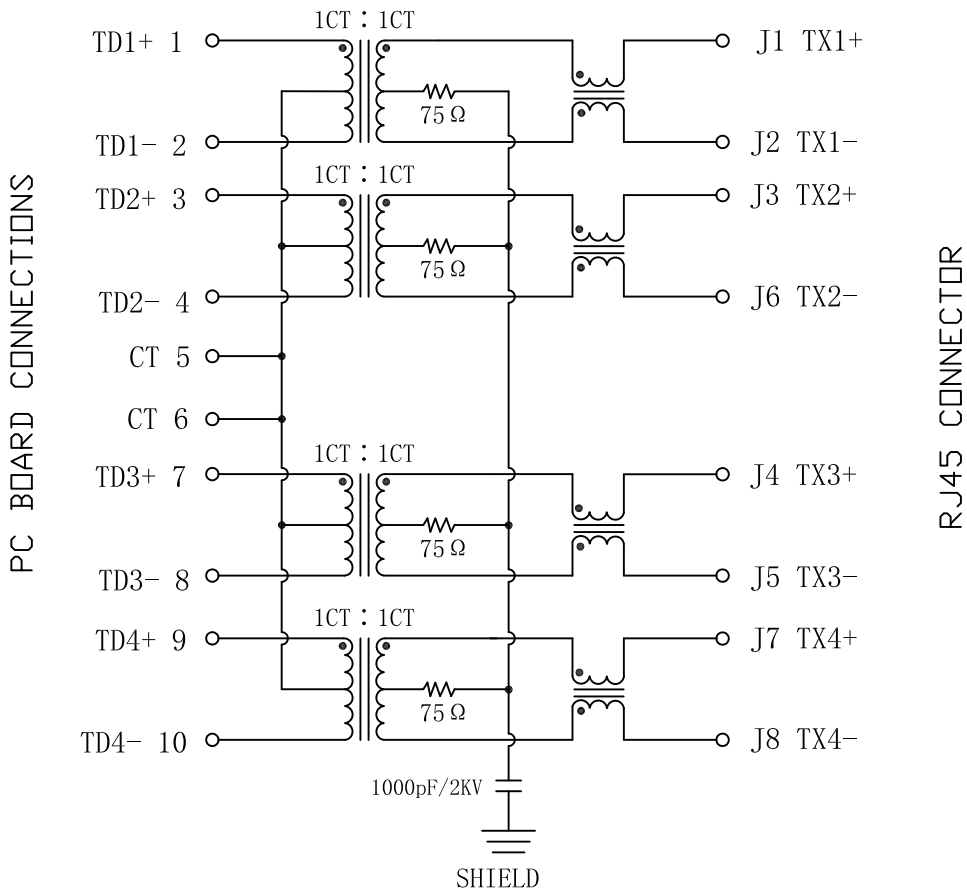


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/12/07	



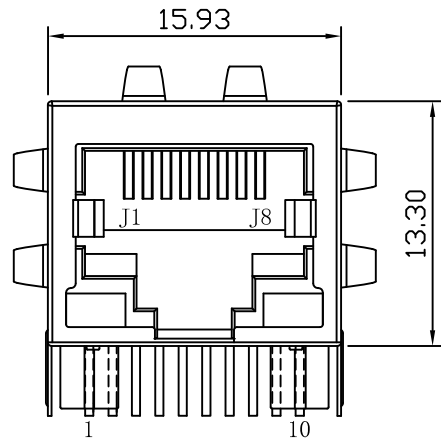
Electrical Specifications @ 25°C

- Turns Ratio($\pm 2\%$):
Pri:Sec = 1CT:1CT
- Inductance(@100KHz, 100mV, 8mA DC Bias):
J1-J2;J3-J6;J4-J5;J7-J8: 350uH Min
- Insertion Loss:
1~100MHz:-1.0dB Max
- Return Loss(dB Min. load 100 Ω):
1~30MHz:-18 30~60MHz:-16
60~80MHz:-12 80~100MHz:-10
- Crosstalk(dB Min):
1~30MHz:-40 30~60MHz:-35
60~100MHz:-30
- Common Mode Rejection(dB Min):
1~50MHz:-40 50~150MHz:-30
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: 0°C~70°C.

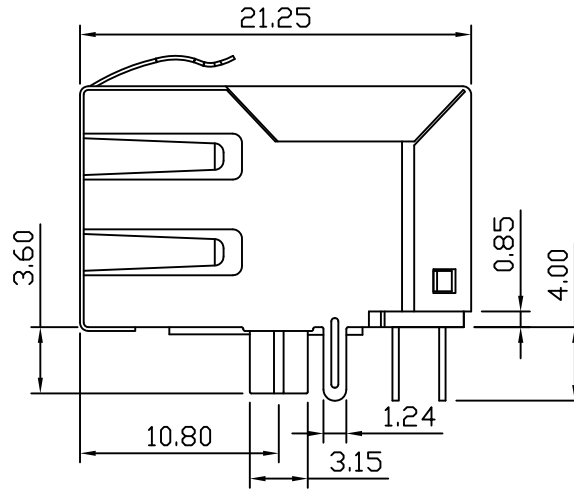


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJG0801CNL	
		SCALE: 2/1	SHEET: 1/2	REV: A
		DWG NO.: LP10120702		

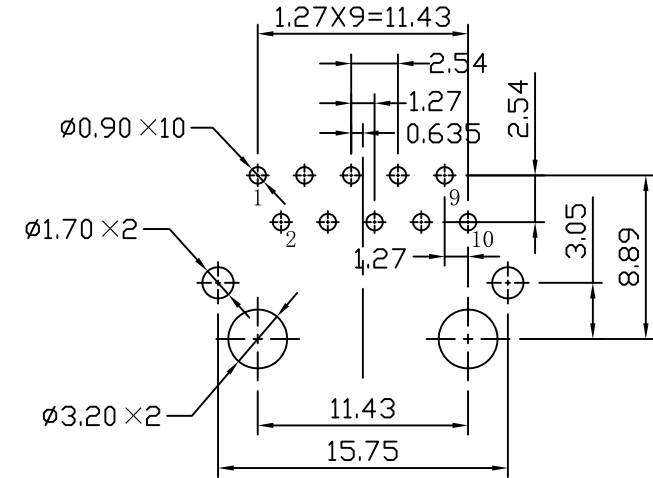
Mechanical:



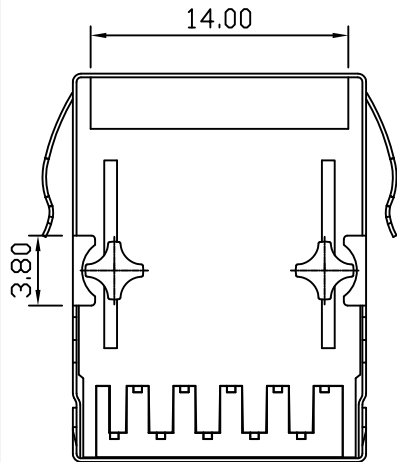
Front Side View



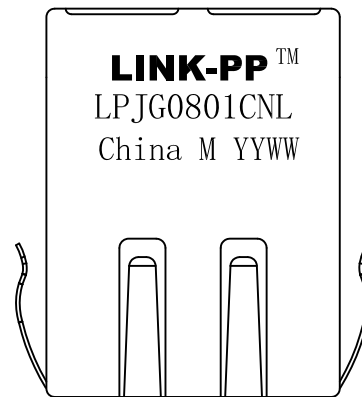
Left Side View



Suggested PCB Layout (Top View)



Bottom 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 IEEE802.3 specification.
3. Connector Materials:
Housing: Thermoplastic PBT+30%G.F UL94V-0
Contact: 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.
4. Wave solder tip temperature: 265°C Max, 5 Sec.
5. UL Certification: File Number E484635.

X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED		
X:XX	±0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics		
X:XXX	±0.05	DR: TOM			
ANGLES	±1°	UNIT: mm	PART NO.: LPJG0801CNL		
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP10120702