

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/01/08	

Electrical Specifications @ 25℃

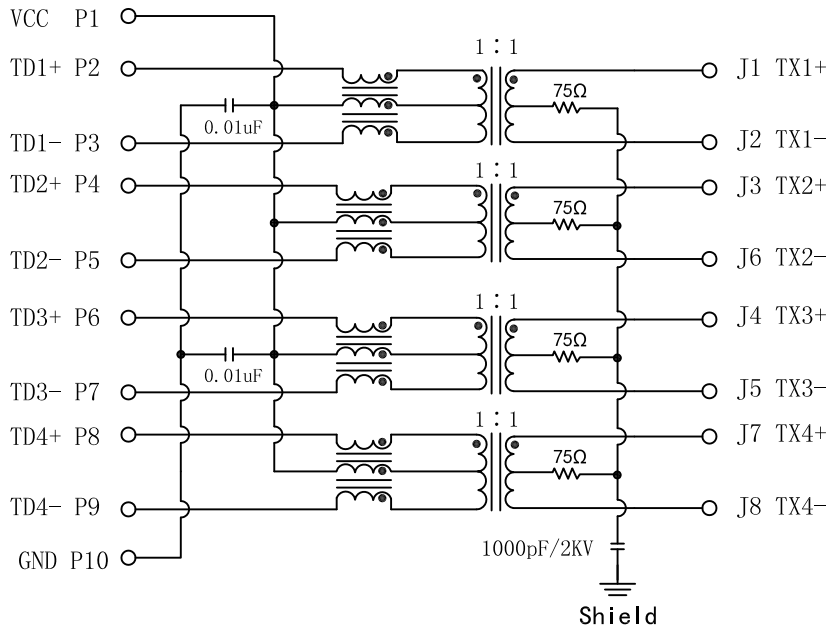
1. Turns Ratio(±3%) :
1CT : 1CT
2. Inductance(@100KHz, 100mV, 8mA DC Bias) :
J1-J2; J3-J6; J4-J5; J7-J8: 350uH Min
3. Insertion Loss:
1~100MHz: -1.1dB Max
4. Return Loss(dB Min) :
1~40MHz: -18 60MHz: -14
80MHz: -12 100MHz: -10
5. Crosstalk:
1~100MHz: -30dB Typ
6. Common Mode Rejection(dB Typ):
1~30MHz: -38 30~60MHz: -35
60~100MHz: -30
7. CMRR:
1~100MHz: -30dB Min
8. Isolation Voltage: 1500Vrms
9. Operating Temperature Range: 0℃~70℃.



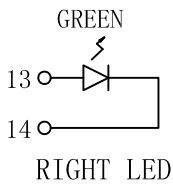
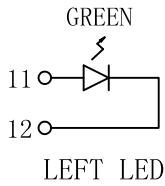
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max

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	±1°	UNIT: mm	PART NO. : LPJG0873GFNL	
		SCALE: 2/1	SHEET: 1/2	REV: A DWG NO. : LP10010801

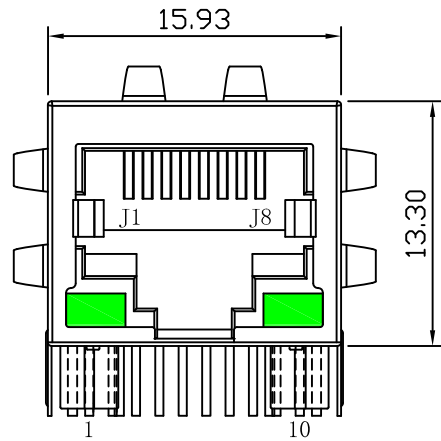
PC BOARD CONNECTIONS



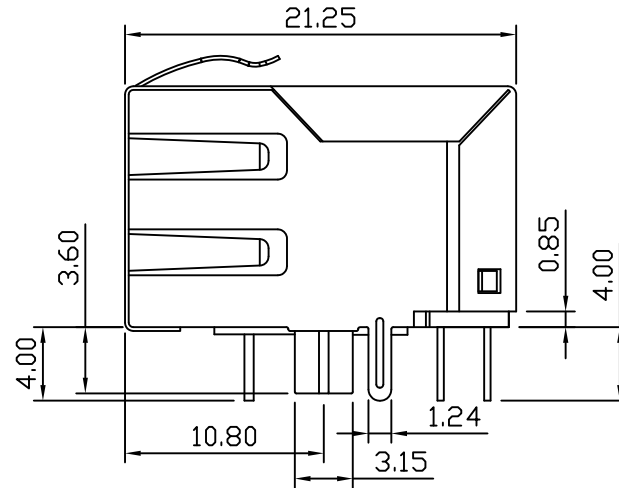
RJ45 CONNECTOR



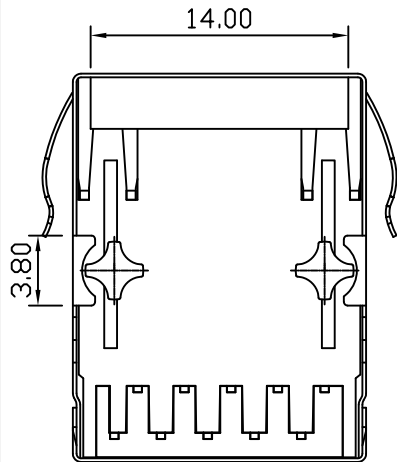
Mechanical:



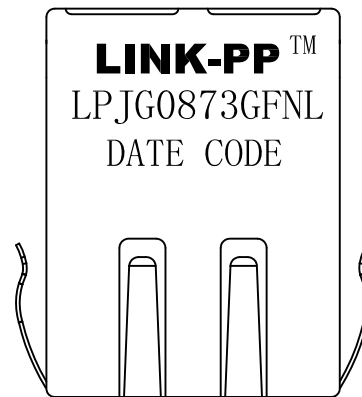
Front Side View



Left Side View

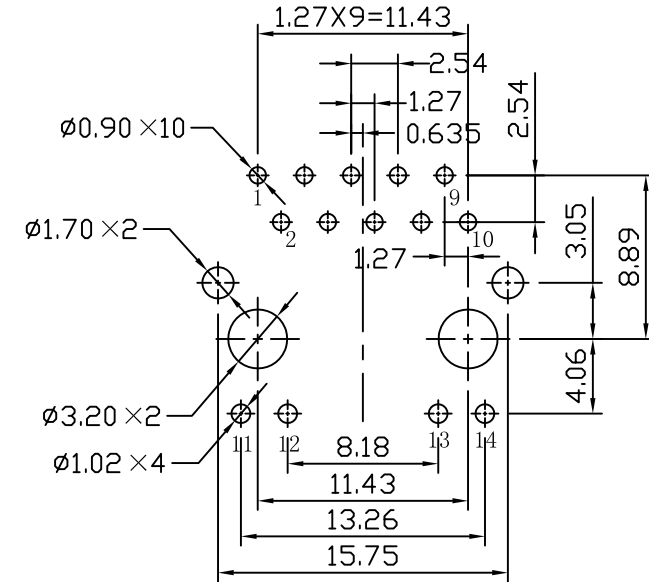


Bottom Side View



Top Side View

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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 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 Max.

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