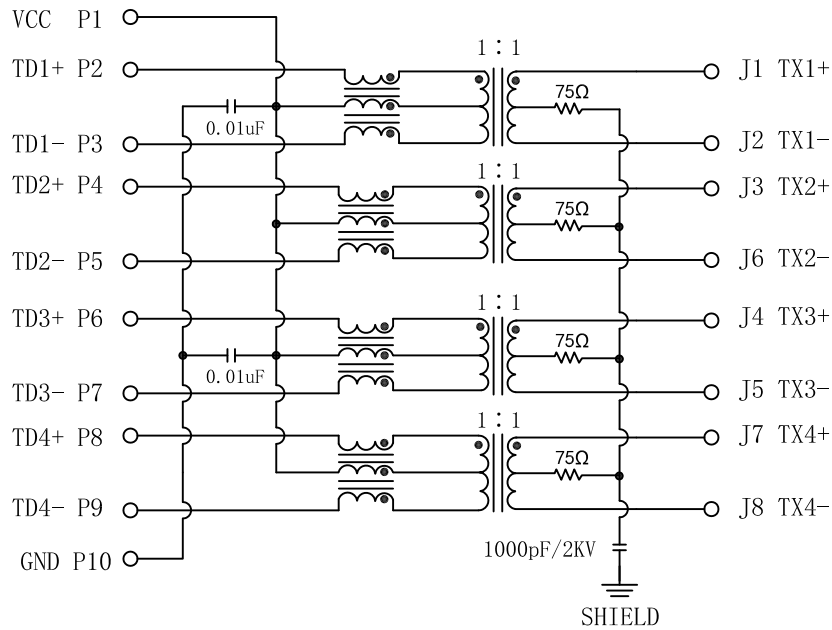


Schematic:

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

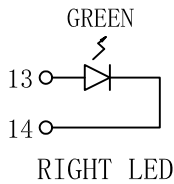
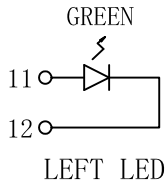
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @ 25°C

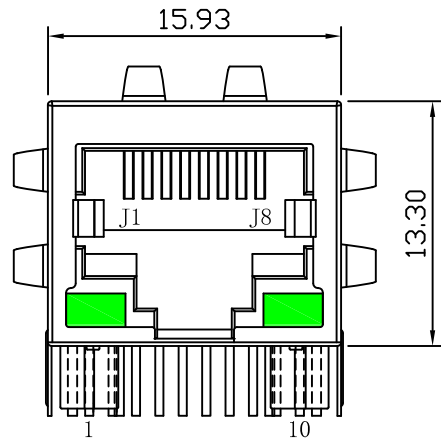
- Turns Ratio($\pm 3\%$):
ICT : 1CT
- Inductance(@100KHz, 100mV, 8mA DC Bias):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH Min
- Insertion Loss:
1~100MHz:-1.1dB Max
- Return Loss(dB Min):
1~40MHz:-18 60MHz:-14
80MHz:-12 100MHz:-10
- Crosstalk:
1~100MHz:-30dB Typ
- Common Mode Rejection(dB Typ):
1~30MHz:-38 30~60MHz:-35
60~100MHz:-30
- CMRR:
1~100MHz:-30dB Min
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: -40°C ~ +85°C.



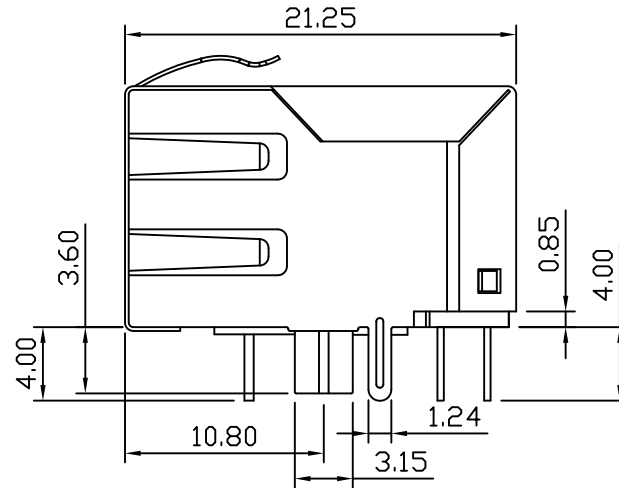
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max

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	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJG4873GFNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10010811

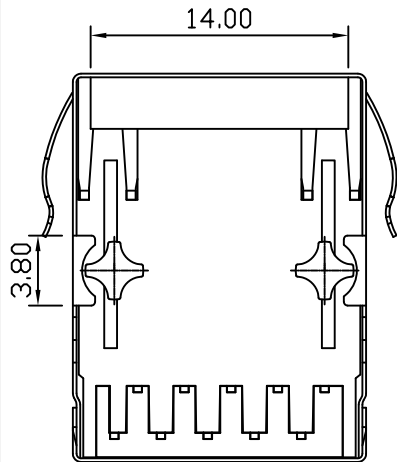
Mechanical:



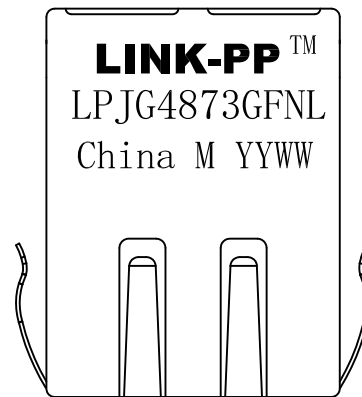
Front Side View



Left Side View

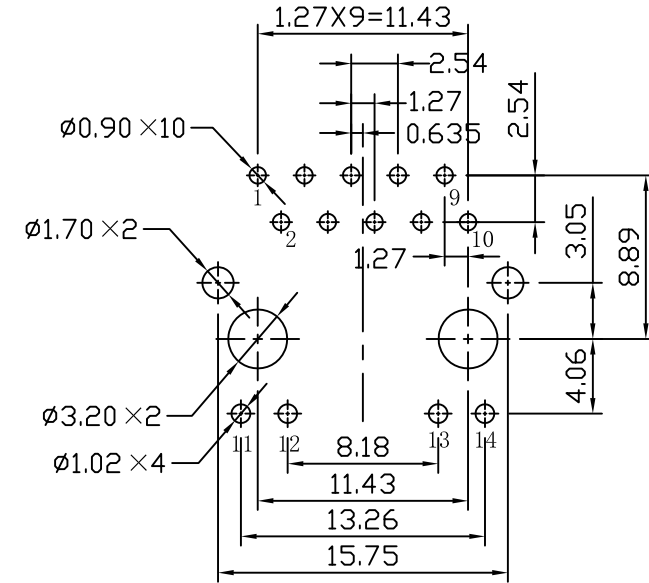


Bottom Side View



Top Side View

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



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.

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.: LPJG4873GFNL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP10010811		