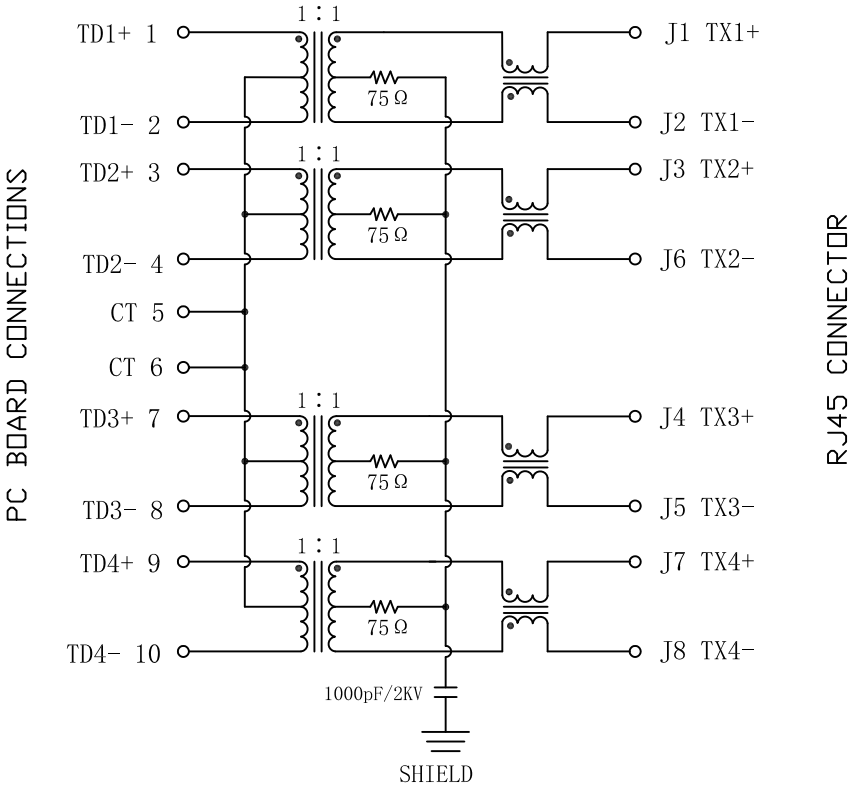


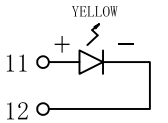
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-10-16	

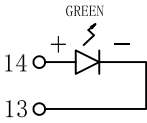


Electrical Specifications @ 25°C

- 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 100Ω):
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.



LEFT LED



RIGHT LED

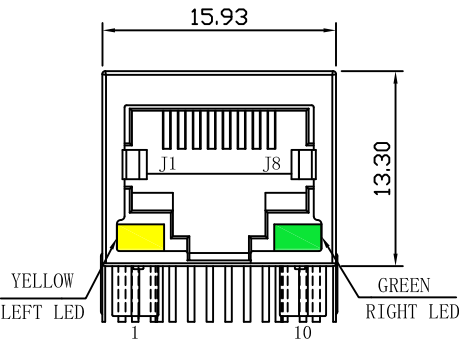
Emitting Color	λ_p (nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



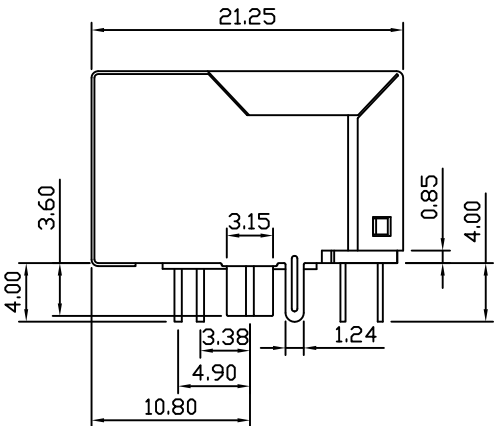
X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
X:XXX	± 0.05	DR: TOM		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJG0801BANL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP10101609

Mechanical:

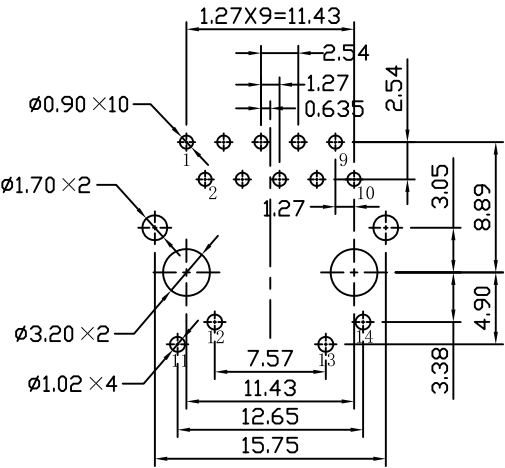
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010-10-16	



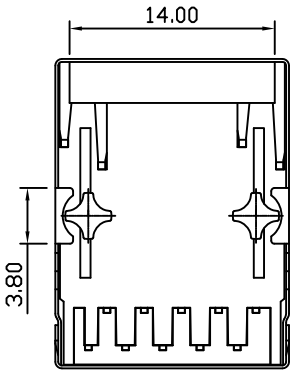
Front Side View



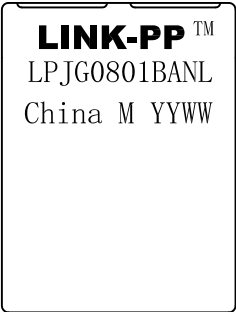
Left Side View



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 IEEE 802.3 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.
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.: LPJG0801BANL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP10101609		