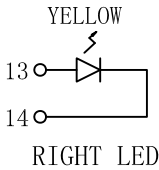
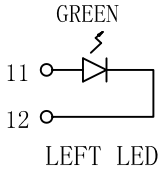
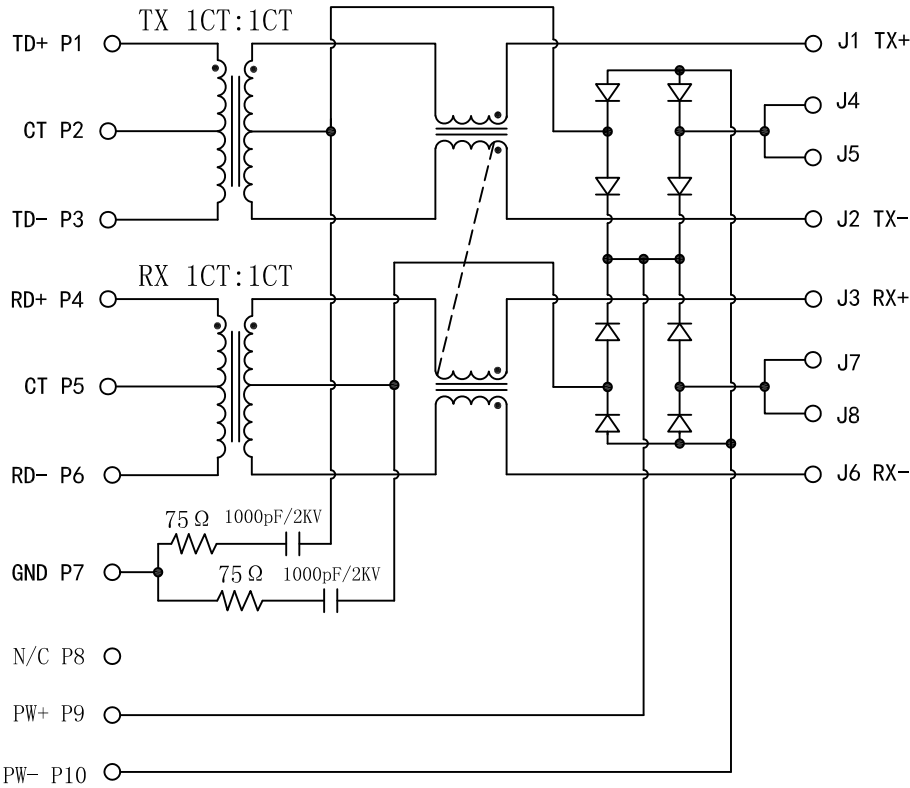


Schematic:

PC BOARD CONNECTIONS



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

RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-01-22	

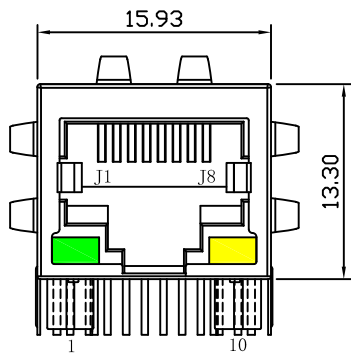
ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio(100KHz, 0.1V):
PINS:(1-3) : (J1-J2)=1 : 1 $\pm$ 3%
PINS:(4-6) : (J3-J6)=1 : 1 $\pm$ 3%
- OCL(100KHz, 100mV, 8mA DC Bias):
PINS:(1-3), (4-6)=350uH MIN
- Insertion Loss:
-1.1dB MAX @ 0.1~100MHz
- Return Loss:
-18dB MIN @ 0.5~30MHz
-15.5dB MIN @ 40MHz
-13.6dB MIN @ 50MHz
-12dB MIN @ 60~80MHz
- Cross talk:
-40dB TYP @ 0.1~100MHz
- Common Mode Rejection:
-50dB TYP @ 0.1~30MHz
-40dB TYP @ 30~60MHz
-35dB TYP @ 60~100MHz
- Hipot Test: 1500Vrms
- Operating Temperature: -40°C TO +85°C.

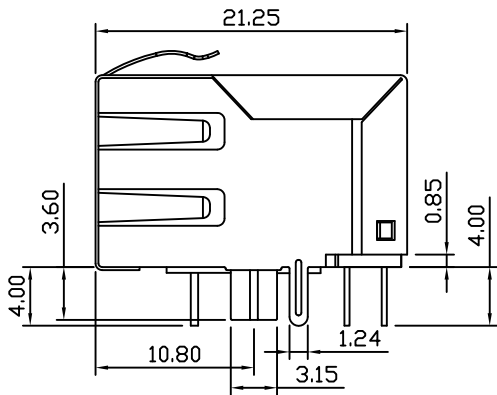


X:X	$\pm$ 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	$\pm$ 0.25	CHKD:		
X:XXX	$\pm$ 0.05	DR:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES	$\pm$ 1°	UNIT: mm	PART NO. : LPJ4190-8GENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP15012216

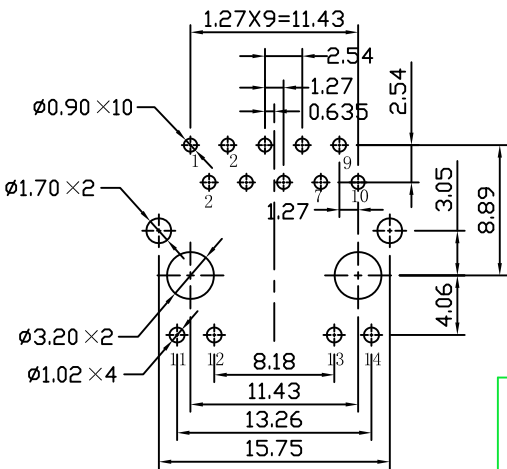
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-01-22	



Front Side View



Left Side View

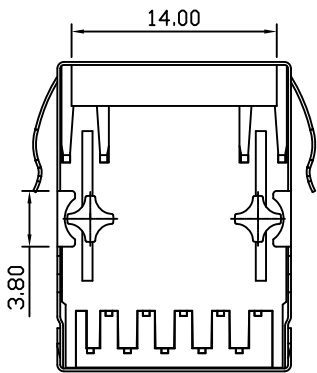


Suggested PCB Layout (Top View)

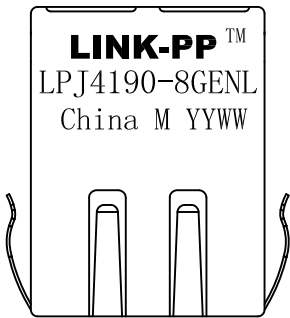


NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Designed for PoE, IEEE802.3af applications
3. Power on used or unused pairs for up to 350mA DC.
4. 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 30 micro-inches min. In contact area.
5. Wave solder tip temperature: 265°C Max, 5 Sec Max.



Bottom Side View



Top Side View

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 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES	±1°	UNIT: mm	PART NO.: LPJ4190-8GENL	
		SCALE: 2/1	SHEET: 2/2	REV: A
		DWG NO.: LP15012216		