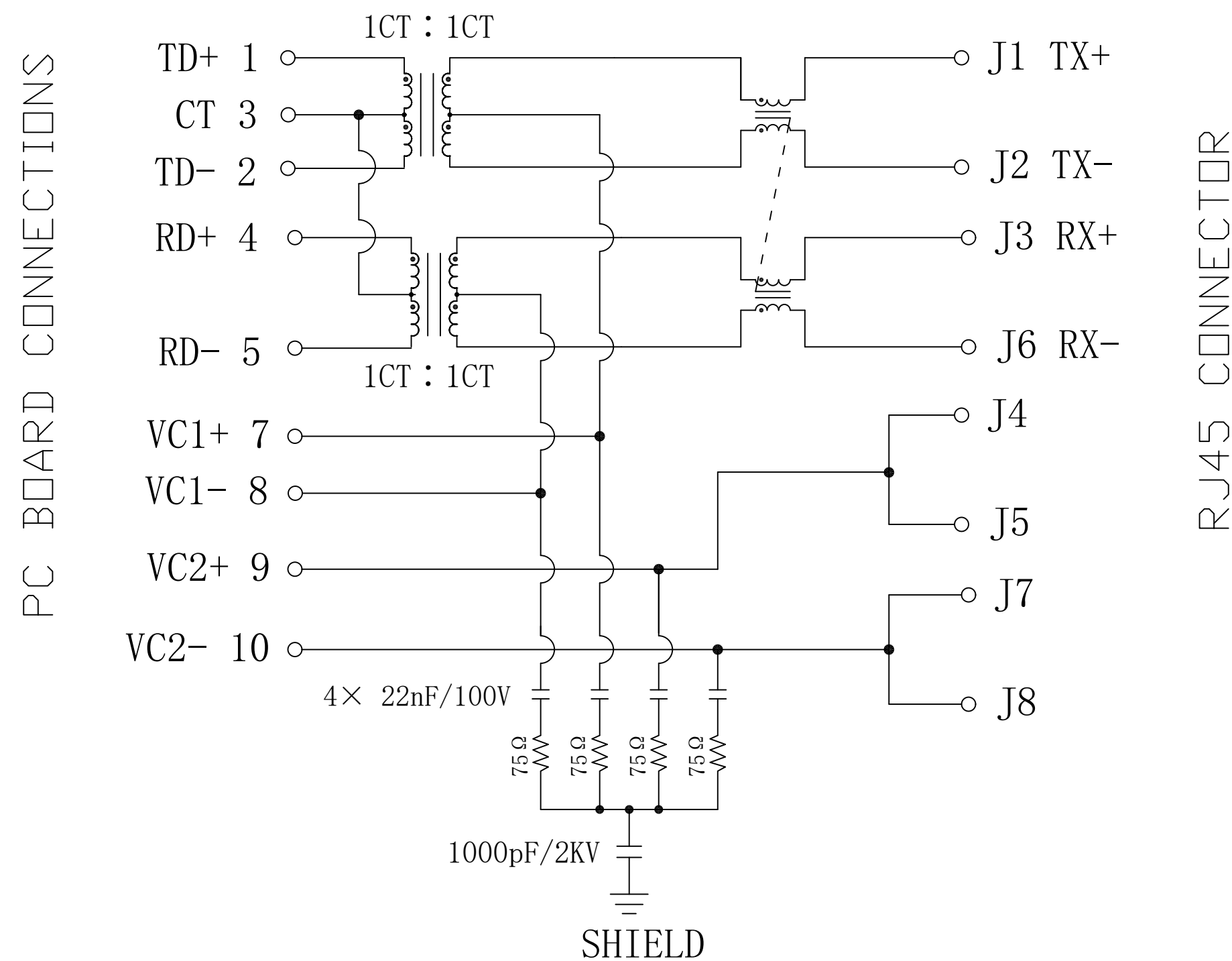


Schematic:

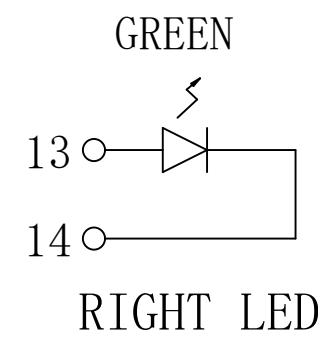
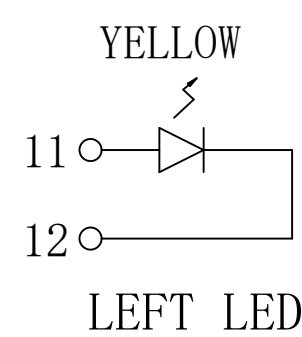
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2014-07-21	



Electrical Specifications @25°C

- Turns Ratio($\pm 2\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance(@100KHz, 0. 1V, 8mADC):
350uH Min
- Insertion Loss:
1-100MHz:-1.0 dB Max
- Return Loss(dB Min):
1-30MHz:-18 30-45MHz:-16
45-60MHz:-14 60-80MHz:-12
- Crosstalk:
1-100MHz:-30dB Typ
- Common Mode Rejection:
1-100MHz:-30dB Min
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature: 0°C~70°C.

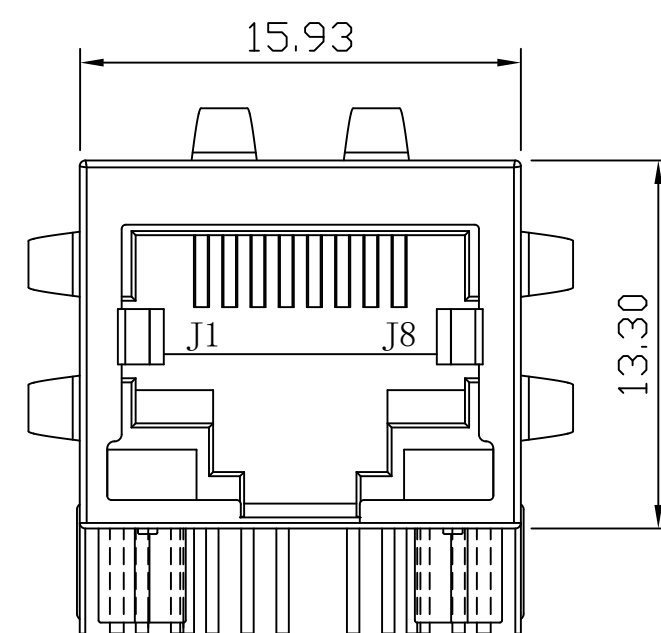
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



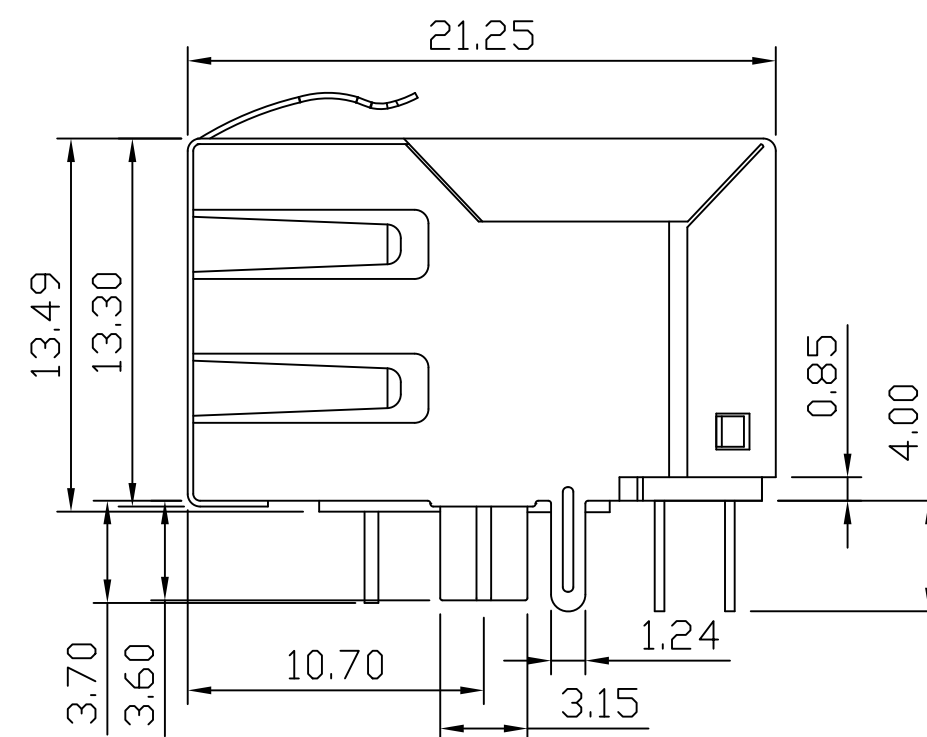
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJ0162GDNLV	
	SCALE: 2/1	SHEET: 1/2	REV: A6	DWG NO. : LP14072136

Mechanical:

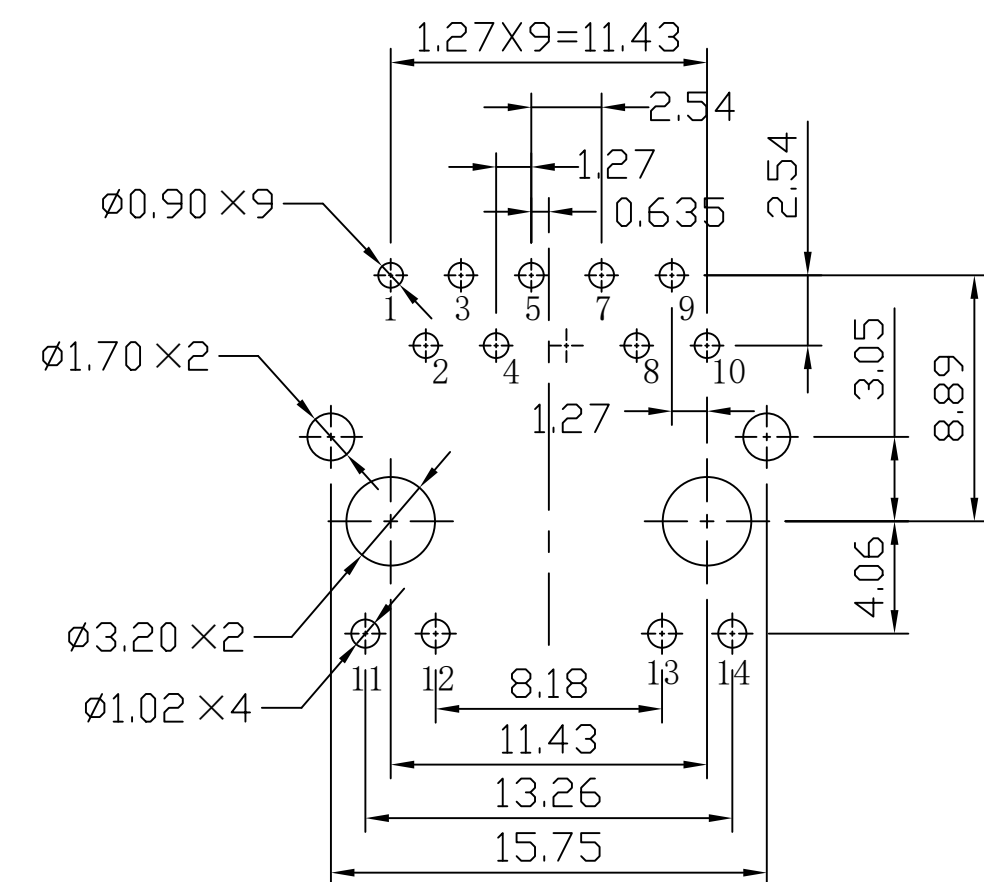
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2014-07-21	



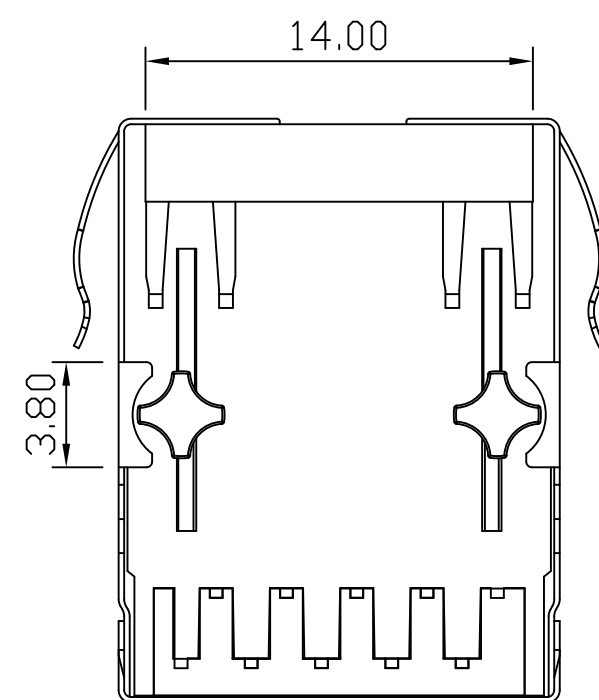
Front Side View



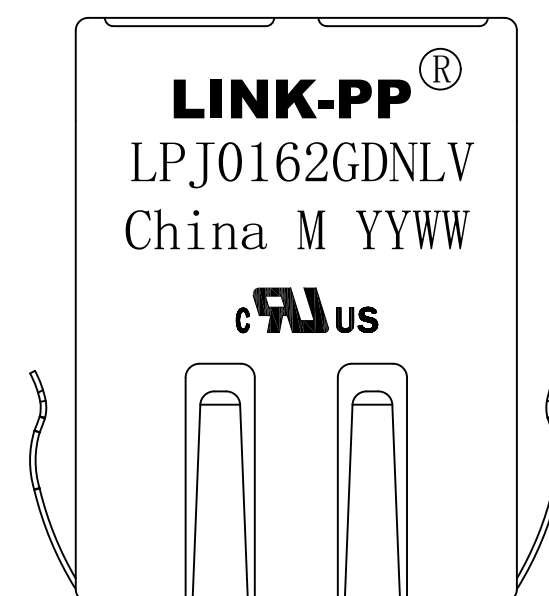
Left Side View



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. Designed for PoE, IEEE802.3af applications
3. Power on used or unused pairs for up to 350mADC.
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 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min. In contact area.
5. Wave solder tip temperature: 250°C, 5 Sec.
6. UL Certification: File Number E484635.

X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application	
ANGLES	$\pm 1^{\circ}$	UNIT: mm	PART NO.: LPJ0162GDNLV	
		SCALE: 2/1	SHEET: 2/2	REV: A6 DWG NO.: LP14072136

