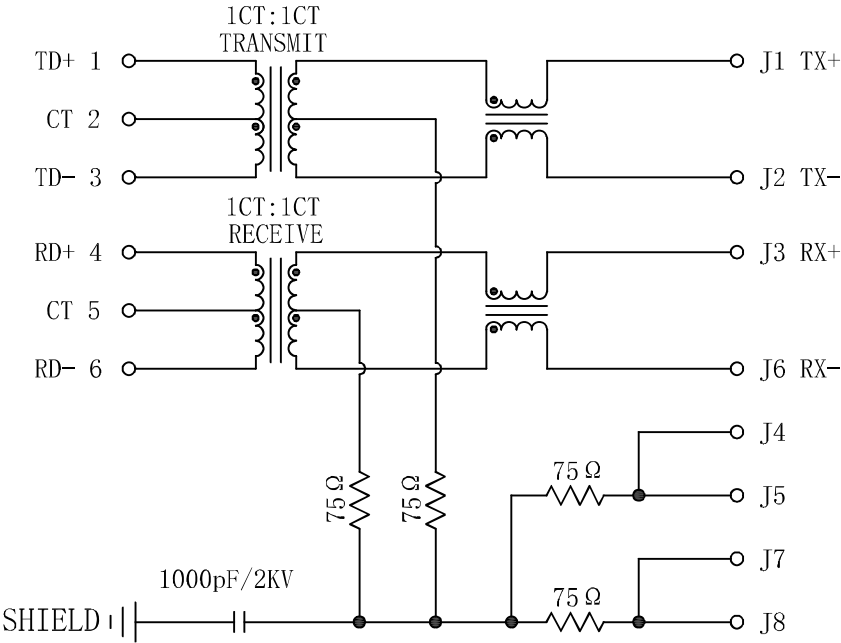


Schematic:

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

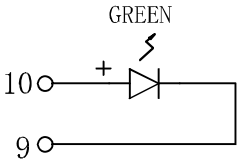
PC BOARD CONNECTIONS



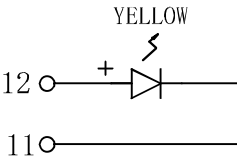
RJ45 CONNECTOR

Electrical Specification @25℃

- 1. Turns Ratio($\pm 2\%$):
(1-3): (J1-J2)=1:1
(4-6): (J3-J6)=1:1
- 2. Inductance: 350uH Min
@0.1V, 0.1MHz, 8mA DC Bias
- 3. Insertion Loss:
0.1MHz-100MHz: -1.2dB Max
- 4. Return Loss:
1MHz-30MHz: -18dB Min
30MHz-80MHz: -12dB Min
- 5. Cross talk:
1MHz-100MHz: -40dB Min
- 6. Common to Mode Rejection
30MHz-100MHz: -35dB Min
- 7. Hipot: 1500Vrms Min
- 8. Operating Temperature: 0℃~70℃.



LEFT LED



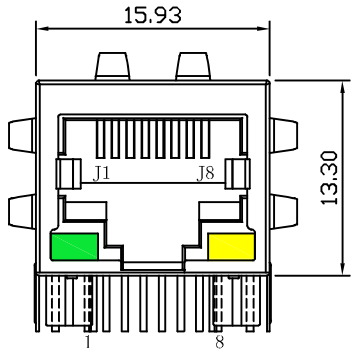
RIGHT LED

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

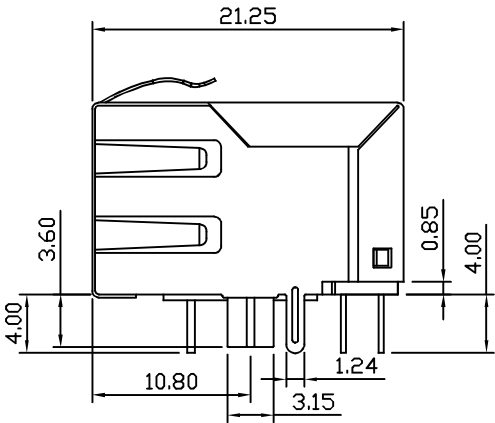


X:X	± 0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD:	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
X:XXX	± 0.05	DR: TOM		
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : LPJ0034GHNL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO. : LP14072118

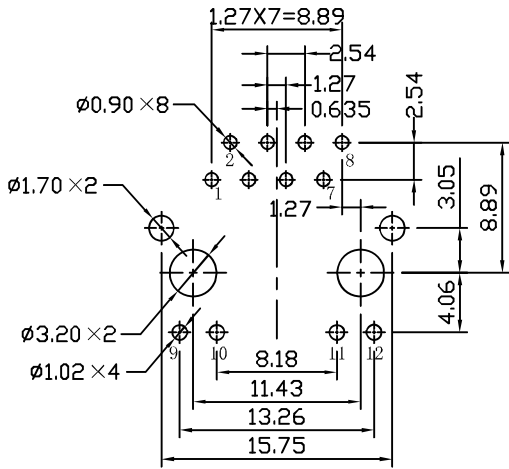
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-21	



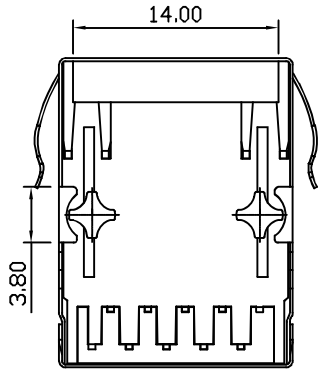
Front Side View



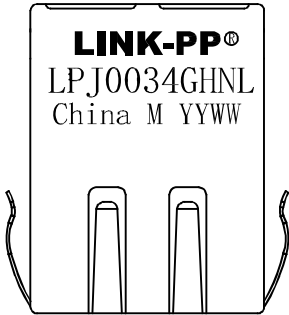
Left Side View



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. 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 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: LPJ0034GHNL		
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP14072118