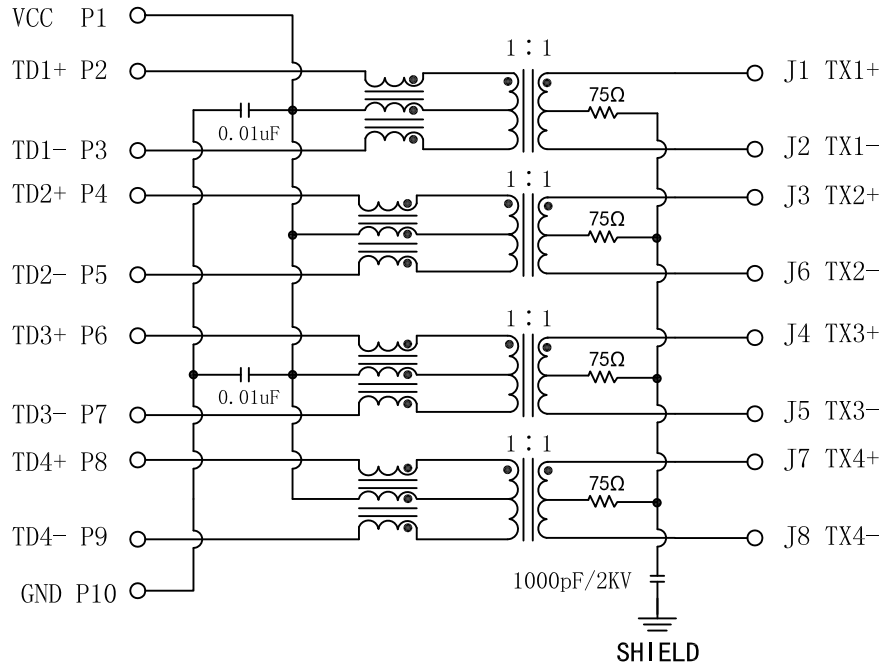


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/10/16	

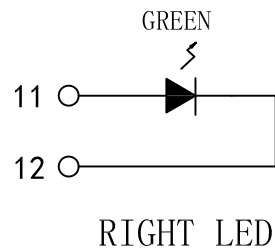
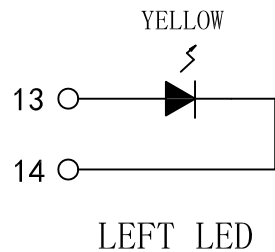
PC BOARD CONNECTIONS



RJ45 CONNECTOR

## Electrical Specifications @25°C

- Impedance: 100 ohms
- OCL: 350uH Min  
@100KHz, 0.1V, 8mADC BIAS
- Turns Ratio: 1 : 1 ±3%
- Insertion Loss:  
1-100MHz: -1.1dB Max
- Return Loss(dB Min):  
1-40MHz: -18      60MHz: -14  
80MHz: -12      100MHz: -10
- Crosstalk:  
1-100MHz: -35dB Typ
- Common Mode Rejection(dB Typ):  
0.1-30MHz: -38      30-60MHz: -35  
60-100MHz: -30
- Isolation Voltage: 1500Vrms
- Operating Temperature: -40°C ~ +85°C.

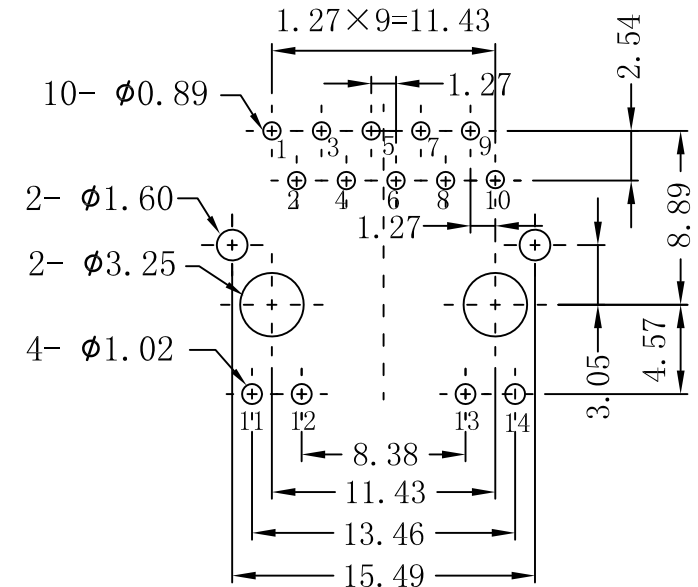
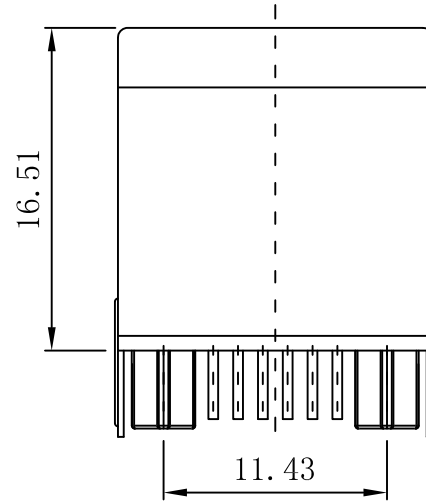
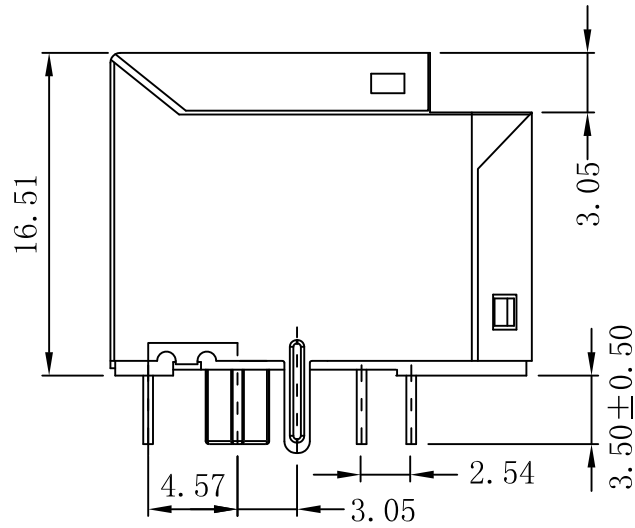


Emitting Color	$\lambda$ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 $\mu$ A max
YELLOW	585	1.8~2.6V	10 $\mu$ A max

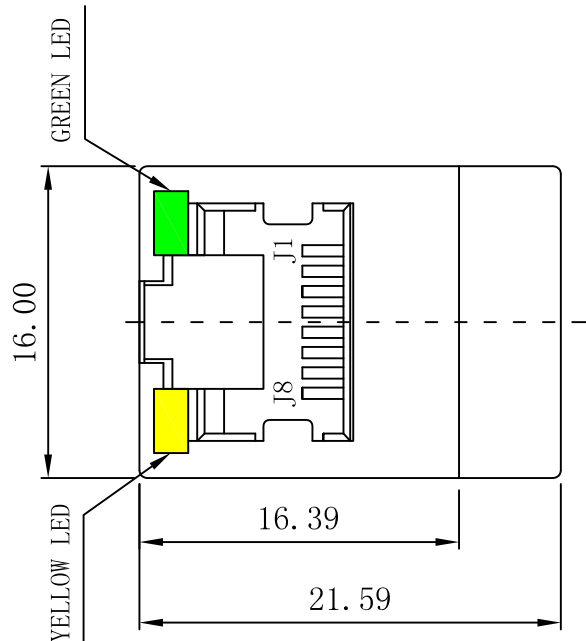
X:X	±0.30	APPD:	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	±0.25	CHKD:	TITLE: Vertical RJ45 Connector With 1000 Magnetic	
X:XXX	±0.05	DR: TOM	PART NO.: LPJD4773BDNL	
ANGLES	±1°	UNIT: mm		
	SCALE: 2/1	SHEET: 1/2	REV: A	LP14111313

# Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014/10/16	



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 IEEE 802.3 specification
3. Connector Materials:  
Housing: Thermoplastic UL94V-0  
Contact/Shield: Copper alloy  
Shield plating: Nickel  
Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 260°C, 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: Vertical RJ45 Connector With 1000 Magnetic
ANGLES	±1°	UNIT: mm	PART NO.: LPJD4773BDNL
	SCALE: 2/1	SHEET: 2/2	REV: A DWG NO.: LP14111313