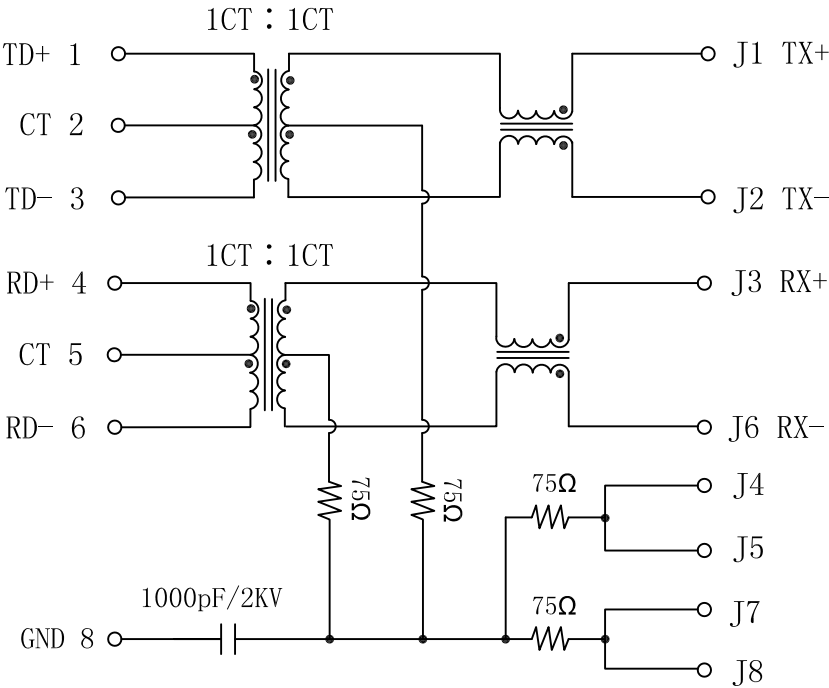


Schematic:

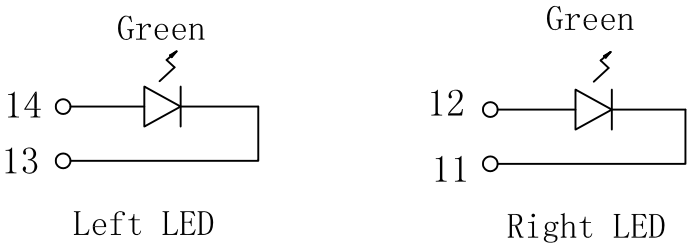
| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2010-09-25 |      |

PC BOARD CONNECTIONS



RJ45 CONNECTOR

- TEST NOTES (25±5℃)
- TR: (100KHz, 100mV) ;  
TX=1CT : 1CT ±3%      RX=1CT : 1CT ±3%
  - LX: (100KHz, 100mV, 8mA, DC Bias)  
PINS: (P1, P3), (P4, P6)=350uH MIN
  - HIPOT:  
PINS (P1, P2, P3) TO (J1, J2)=1500Vrms  
PINS (P4, P5, P6) TO (J3, J6)=1500Vrms
  - INSERTION LOSS:  
-1.0dB MAX @ 1.0MHz TO 65MHz
  - RETURN LOSS:  
-20dB MIN @ 1MHz TO 10MHz  
-16dB MIN @ 10MHz TO 30MHz  
-12dB MIN @ 30MHz TO 60MHz  
-10dB MIN @ 60MHz TO 100MHz
  - CROSS TALK:  
-40dB MIN @ 1MHz TO 30MHz  
-35dB MIN @ 30MHz TO 60MHz  
-30dB MIN @ 60MHz TO 100MHz
  - COMMON TO COMMON MODE REJECTION:  
-30dB MIN @1MHz TO 50MHz  
-20dB MIN @50MHz TO 150MHz
  - Operating Temperature: -40℃~+85℃.

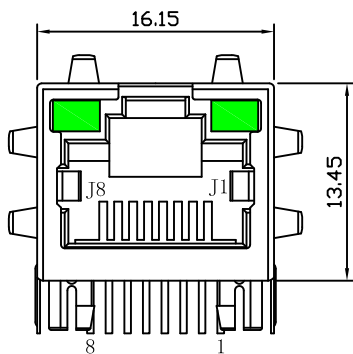


| Emitting Color | $\lambda_p$ (nm) | VF@IF=20mA | IR @VR=5V      |
|----------------|------------------|------------|----------------|
| Green          | 565              | 1.8~2.6V   | 10 $\mu$ A max |

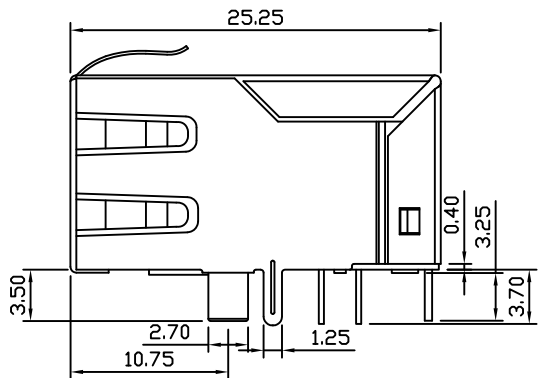
|        |            |            |                                                               |                      |
|--------|------------|------------|---------------------------------------------------------------|----------------------|
| X:X    | ±0.30      | APPD:      | LINK-PP INT'L TECHNOLOGY CO., LIMITED                         |                      |
| X:XX   | ±0.25      | CHKD:      |                                                               |                      |
| X:XXX  | ±0.05      | DR: TOM    | TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics |                      |
| ANGLES | ±1°        | UNIT: mm   | PART NO.: LPJ6014AWN                                          |                      |
|        | SCALE: 2/1 | SHEET: 1/2 | REV: A                                                        | DWG NO.: LP110092508 |

Mechanical:

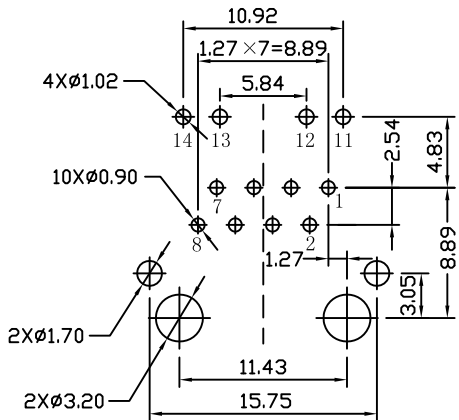
| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2010-09-25 |      |



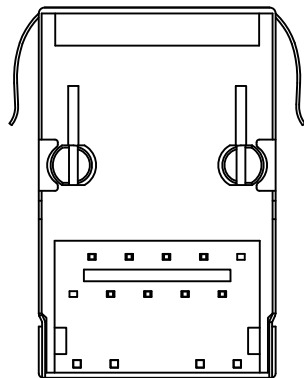
Front Side View



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  
Wave solder tip temperature time: 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.: LPJ6014AWN                                          |        |                      |
|             | SCALE: 2/1 | SHEET: 2/2                                                    | REV: A | DWG NO.: LP110092508 |