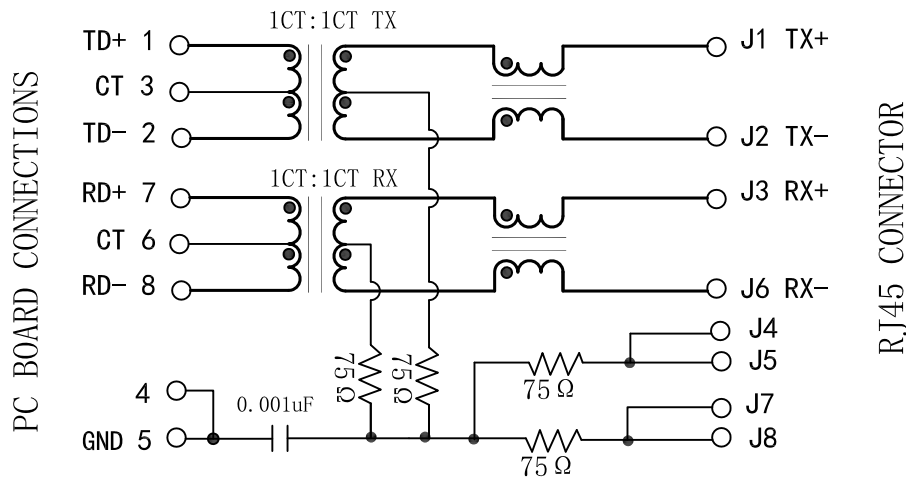


Schematic:

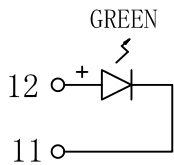
| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2010-04-15 |      |



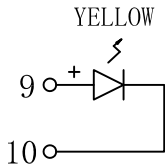
Electrical Specification:

TEST NOTES (25±5℃)

1. TR: (@100KHz, 0.1V);  
TX=1CT:1CT ±3%      RX=1CT:1CT ±3%
2. OCL (@100KHz, 100mV, 8mA, DC Bias):  
PINS: (P1, P2), (P7, P8)=350uH MIN
3. HIPOT:  
PINS (P1, P3, P2) TO (J1, J2)=1500VAC FOR 60 SECONDS  
PINS (P7, P6, P8) TO (J3, J6)=1500VAC FOR 60 SECONDS
4. INSERTION LOSS:  
-1.0dB MAX @1.0MHz TO 65MHz
5. RETURN LOSS:  
-20dB MIN @1MHz TO 10MHz  
-16dB MIN @10MHz TO 30MHz  
-12dB MIN @30MHz TO 60MHz  
-10dB MIN @60MHz TO 100MHz
6. CROSS TALK:  
-40dB MIN @1MHz TO 30MHz  
-35dB MIN @30MHz TO 60MHz  
-30dB MIN @60MHz TO 100MHz
7. COMMON TO COMMON MODE REJECTION:  
-30dB MIN @1MHz TO 50MHz  
-20dB MIN @50MHz TO 150MHz
8. OPERATING TEMPERATURE: -40℃~+85℃.



LEFT LED

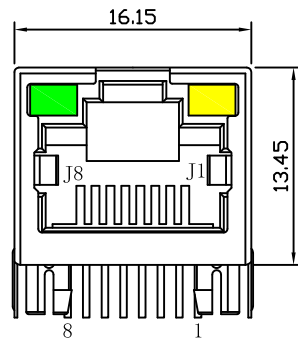


RIGHT LED

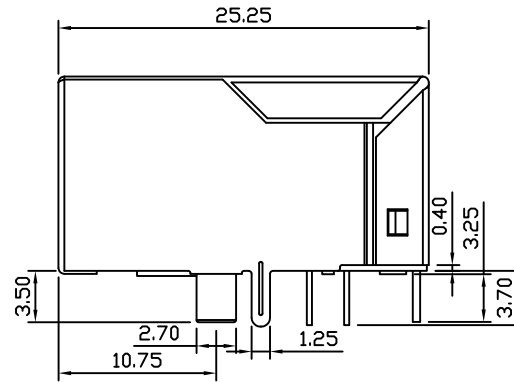
| Emitting Color | $\lambda$ p(nm) | VF@IF=20mA | IR @VR=5V      |
|----------------|-----------------|------------|----------------|
| GREEN          | 565             | 1.8~2.6V   | 10 $\mu$ A max |
| YELLOW         | 585             | 1.8~2.6V   | 10 $\mu$ A max |

|               |              |                                                                 |          |                        |
|---------------|--------------|-----------------------------------------------------------------|----------|------------------------|
| X:X    ±0.30  | APPD:        | LINK-PP INT'L TECHNOLOGY CO., LIMITED                           |          |                        |
| X:XX   ±0.25  | CHKD:        |                                                                 |          |                        |
| X:XXX   ±0.05 | DR:   TOM    | TITLE:   RJ45 Connector with 10/100 Base-T Integrated Magnetics |          |                        |
| ANGLES   ±1°  | UNIT:   mm   | PART NO. :   LPJ6011BBNL                                        |          |                        |
|               | SCALE:   2/1 | SHEET:   1/2                                                    | REV:   A | DWG NO. :   LP10041560 |

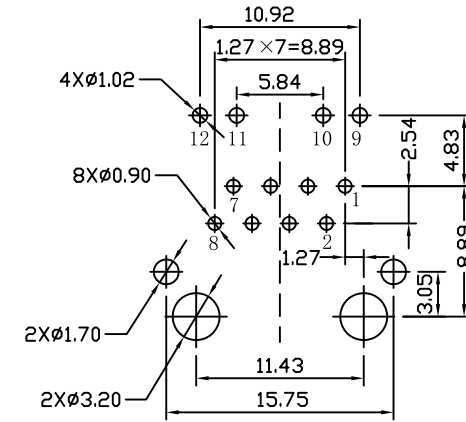
# Mechanical:



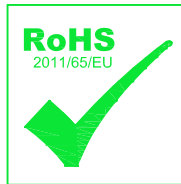
Front Side View



Left Side View

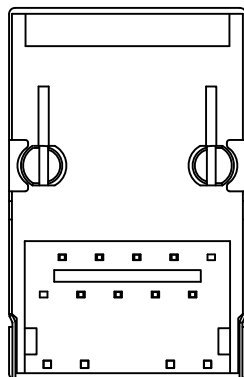


Suggested PCB Layout (Top View)

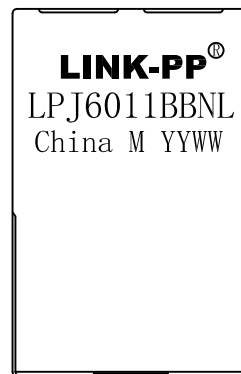


## NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. 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. Voltage rating : 125 VAC RMS
5. Current Rating : 1.5 AMP
6. Contact resistance : 50 mΩ Max
7. Insulation resistance : 500 MΩ Min @500V DC
8. Dielectric strength : 1000 VAC RMS 60Hz, 1 Min.
9. Mating / Unmating : 30N /3.06KG Max
10. Retention Strength : 30N Min. For 60S ± 5S
11. Operating Life : 2500 Cycles Min.
12. Storage : -40°C ~ +85°C
13. Operation : -40°C ~ +85°C.
14. Wave solder tip temperature: 260°C Max, 5 Sec.
15. UL Certification: File Number E484635.



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 |        |
| ANGLES ±1°  | UNIT: mm   | PART NO.: LPJ6011BBNL                                         |        |
|             | SCALE: 2/1 | SHEET: 2/2                                                    | REV: A |
|             |            | DWG NO.: LP10041560                                           |        |