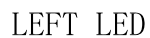
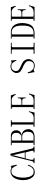


Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2014-08-21 |      |



| 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 |

## ELECTRICAL SPECIFICATIONS @25°C

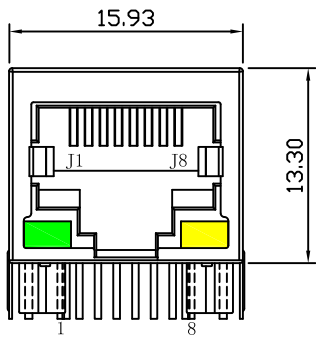
1. Turn Ratio ( $\pm 2\%$ ):  
TX=1CT : 1CT      RX=1CT : 1CT
2. Inductance OCL:  
350uH MIN@100KHz/0.1V, 8mA DC Bias
3. Insertion Loss:  
-1.0dB MAX @1-100MHz
4. Return Loss:  
-18dB MIN @1-30MHz  
-16dB MIN @30-60MHz  
-12dB MIN @60-80MHz
5. Cross talk:  
-30dB MIN @1-100MHz
6. Common Mode Rejection:  
-30dB MIN @1-100MHz
7. Hipot Test: 1500Vrms MIN
8. Operating Temperature Range: 0°C TO 70°C



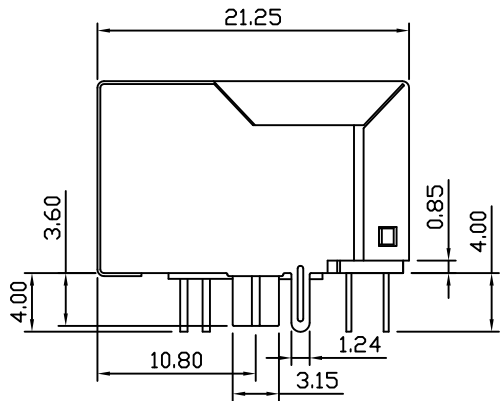
|                                                                                       |            |            |                                                               |                      |  |  |
|---------------------------------------------------------------------------------------|------------|------------|---------------------------------------------------------------|----------------------|--|--|
| 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. : LPJ0013BHNL                                        |                      |  |  |
|  | SCALE: 2/1 | SHEET: 1/2 | REV: A                                                        | DWG NO. : LP14082127 |  |  |

Mechanical:

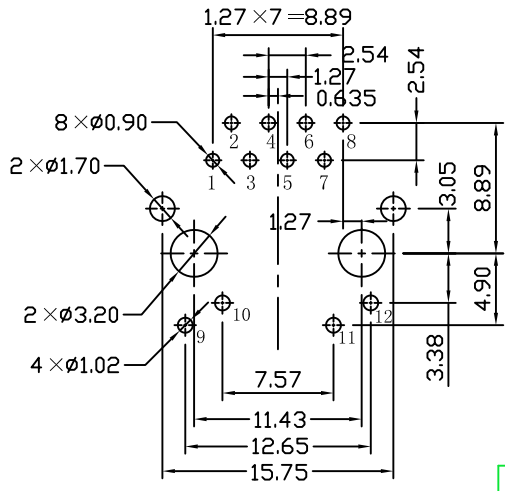
| REV. | ECN NO. | DESCRIPTION | DATE       | APPD |
|------|---------|-------------|------------|------|
| A    | REL     |             | 2014-08-21 |      |



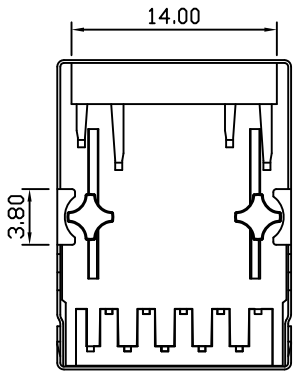
Front Side View



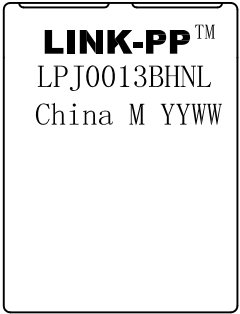
Left Side View



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 IEEE 802.3 specification
- 3.Connector Materials:  
Housing: Thermoplastic PBT+30%G.F UL94V-0  
Contact: Phosphor Bonze 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℃ 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. : LPJ0013BHNL                                        |        |                      |
|        |       | SCALE: 2/1 | SHEET: 2/2                                                    | REV: A | DWG NO. : LP14082127 |