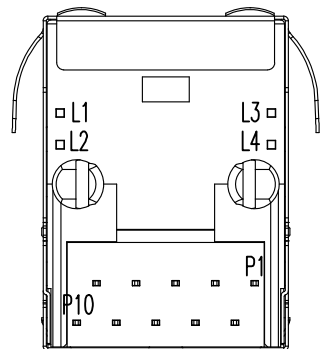
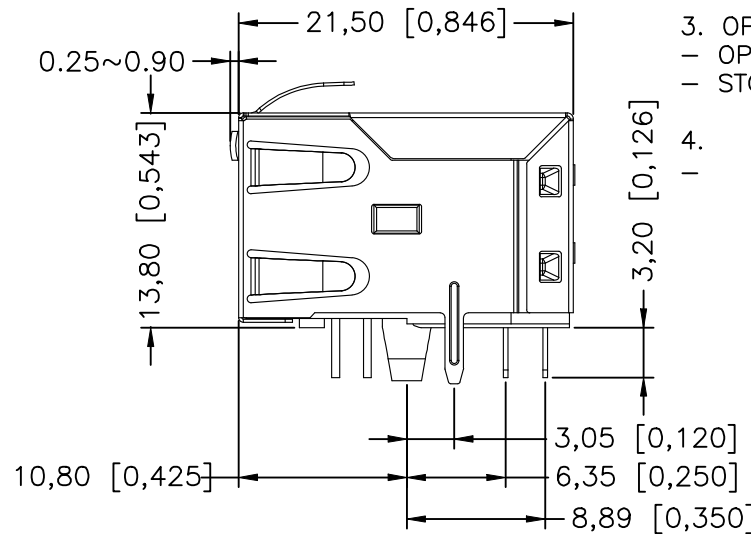
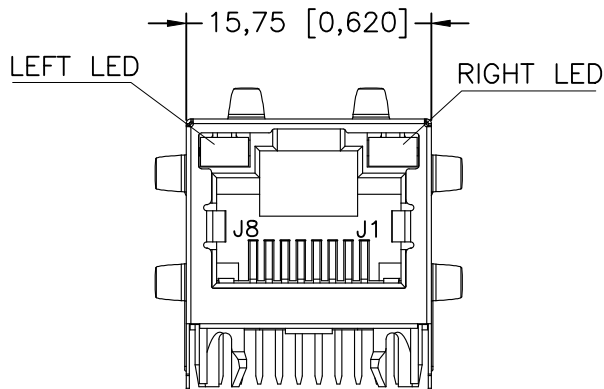
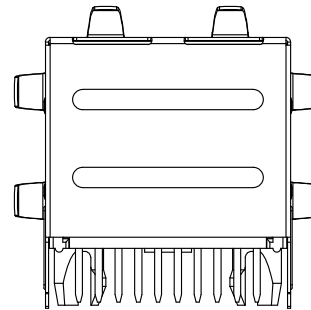
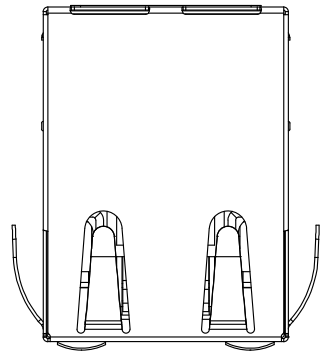


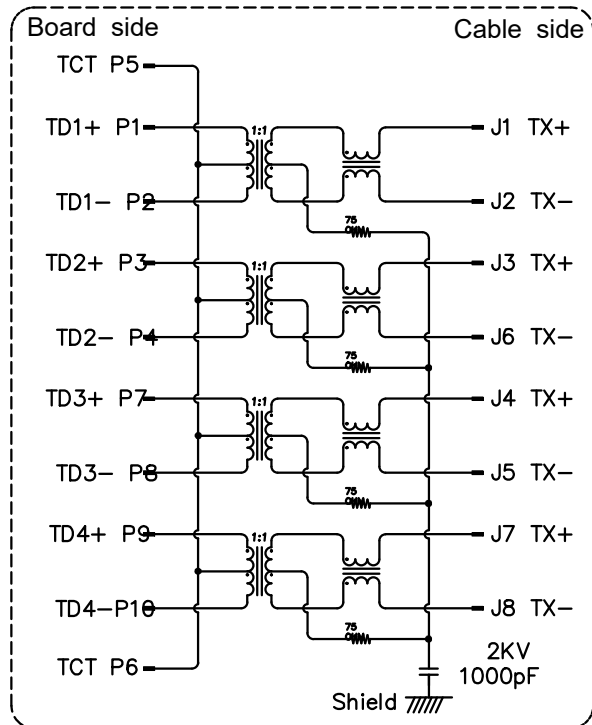
ROHS

| REV. | ECN NO. | DESCRIPTION | DRAW | DATE |
|------|---------|-------------|------|------|
|      |         |             |      |      |



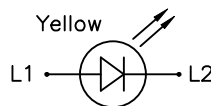
1. MATERIAL
  - HOUSING : THERMOPLASTIC, UL 94V-0, PA6T, BLACK,HSF
  - RJ CONTACTS : PHOSPHOR BRONZE  
PLATING : SELECT GOLD ON CONTACT AREA,  
100U" MIN TIN PLATING ON SOLDER TAILS,  
30U"MIN NICKEL OVERALL
  - SOLDER TAIL TERMINAL : BRASS, C2680R-EH  
PLATING : 100U" MIN TIN , 30U"MIN NICKEL OVERALL
  - SHIELD : STAINLESS, THICKNESS=0.2MM, NICKEL OVERALL
2. RJ45 SPECIFICATIONS
  - INSULATION RESISTANCE : 500 MOHMS MIN
  - INSERTION FORCE WITH THE LATCH DEPRESSED :22N MAX
  - REMOVAL FORCE WITH THE LATCH DEPRESSED :44N MAX
  - DURABILITY :750 CYCLES
3. OPERATING AND STORAGE TEMPERATURE
  - OPERATING TEMPERATURE : 0°C TO +70°C
  - STORAGE TEMPERATURE : -40°C TO +85°C
4. TEMPERATURE CONDITION OF WAVE SOLDERING:
  - 265±3°C/10±1S

|                  |       |                                      |                            |            |    |
|------------------|-------|--------------------------------------|----------------------------|------------|----|
| CUSTOMER DRAWING |       | LAILAN 深圳市莱联电子有限公司                   |                            |            |    |
| DRAWING          |       | SHENZHEN LAILIAN ELECTRONICS CO.,LTD |                            |            |    |
| CHECKED          |       |                                      |                            |            |    |
| APPROVED         |       |                                      |                            |            |    |
| TOLERANCES ARE   |       | TITLE                                | RJ45 1x1 1000M Tab Up 有灯带弹 | REV.       | A  |
| 30-150           | ±0.35 | PART NO.                             | LAIL-RJ45-LED2-BY-11-WC    | UNITS      | mm |
| 10-30            | ±0.2  |                                      |                            |            |    |
| 5-10             | ±0.15 | DWG. NO.                             |                            | Projection |    |
| 0-5              | ±0.1  |                                      |                            |            |    |

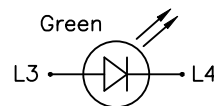


## ELECTRICAL CHARACTERISTICS :

1. INSERTION LOSS :
  - 1~100 MHz -1.0dB MAX.
2. RETURN LOSS(LOAD 100Ω) :
  - 1~40 MHz -18dB MIN
  - 40~100 MHz -12+20LOG(f/80MHz)dB MIN
3. COMMON MODE REJECTION
  - 1~100 MHz -30dB MIN
4. CROSS TALK
  - 1~100 MHz -30dB MIN
5. INDUCTANCE @ 100KHz, 0.1V, 8mA DC BIAS
  - (P1-P2),(P3-P4),(P7-P8),(P9-P10) : 350 uH MIN
6. HI-POT TEST
  - PCB SIDE TO CABLE SIDE : 2250VDC 60S
7. TURNS RATION 100KHz
  - (P1-P2) : (J1-J2) = 1:1 ±3%
  - (P3-P4) : (J3-J6) = 1:1 ±3%
  - (P7-P8) : (J4-J5) = 1:1 ±3%
  - (P9-P10) : (J7-J8) = 1:1 ±3%



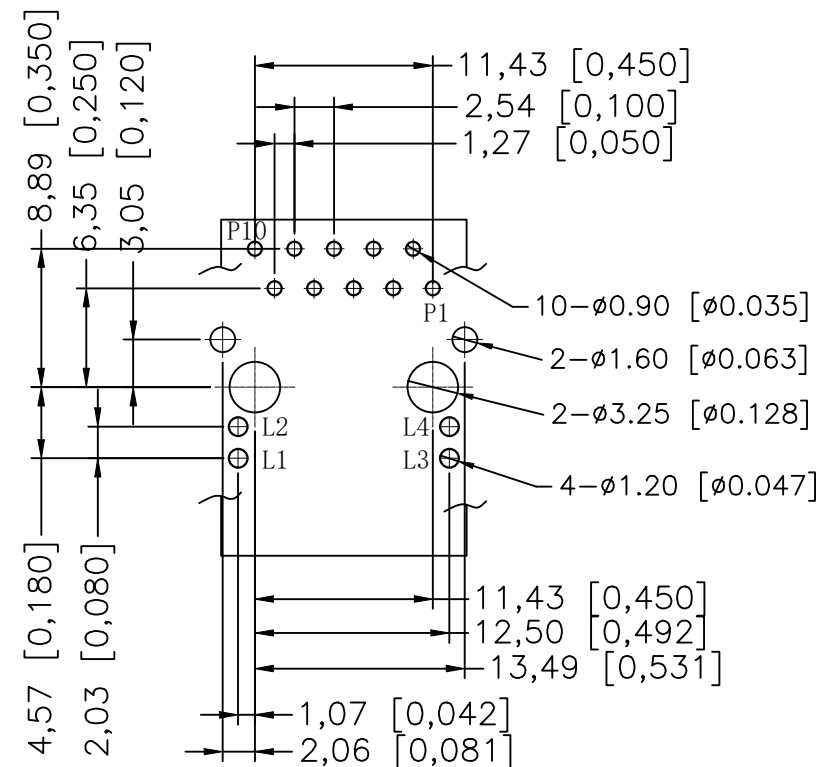
LEFT LED



RIGHT LED

| Emitting Color | $\lambda_p$ (nm) | $V_f$ @ $I_f=20mA$ | $I_r$ @ $V_r=5V$ |
|----------------|------------------|--------------------|------------------|
| Green          | 568              | 1.7V~2.6V          | 10μA max.        |
| Yellow         | 588              | 1.7V~2.6V          | 10μA max.        |

## PCB LAYOUT &amp; LED ILLUSTRATE:



RECOMMENDED PCB LAYOUT  
(COMPONENT SIDE VIEW)  
TOLERANCE:±0.05[0.002]

| CUSTOMER DRAWING |       | LAILIAN 深圳市莱联电子有限公司<br>SHENZHEN LAILIAN ELECTRONICS CO.,LTD |  |            |    |
|------------------|-------|-------------------------------------------------------------|--|------------|----|
| DRAWING          |       | TITLE                                                       |  | REV.       | A  |
| CHECKED          |       | PART NO.                                                    |  | UNITS      | mm |
| APPROVED         |       | DWG. NO.                                                    |  | Projection | ⊕  |
| TOLERANCES ARE   |       | R/J45 1x1 1000M Tab Up 有灯带弹                                 |  |            |    |
| 30-150           | ±0.35 | ANGLE                                                       |  |            |    |
| 10-30            | ±0.2  |                                                             |  |            |    |
| 5-10             | ±0.15 |                                                             |  |            |    |
| 0-5              | ±0.1  |                                                             |  |            |    |