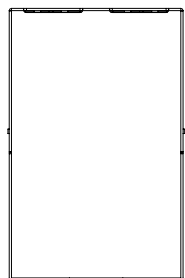
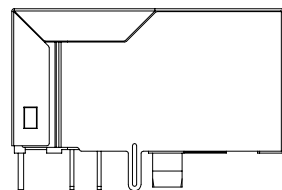


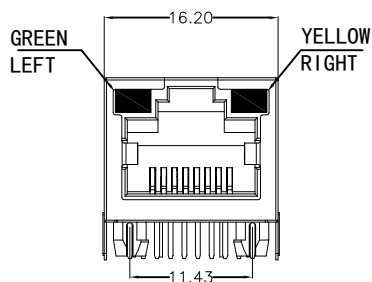
The product using material and processing must conform to the "WL-PZ-001" HSF technical standard control requirements



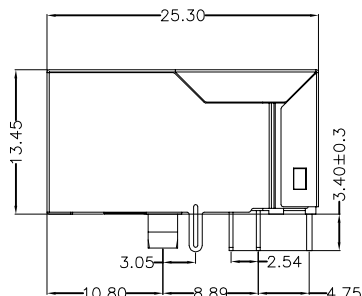
TOP VIEW



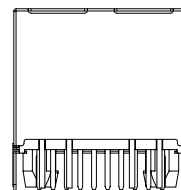
LEFT SIDE VIEW



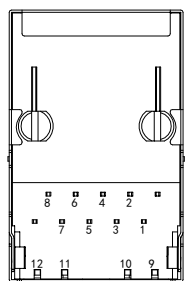
FRONT VIEW



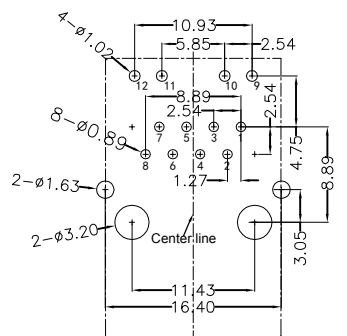
RIGHT SIDE VIEW



BACK VIEW



BOTTOM VIEW



RECOMMENDED PCB LAYOUT VIEWED FROM COMPONENT SIDE

**MATERIAL:**

HOUSING : PBT,UL94V-0,BLACK.  
 TERMINALS BRACKET: PBT,UL94V-0,BLACK.  
 SHIELD: C2680,T=0.20MM,NICKEL PLATING ON ALL AREA.  
 TERMINAL: PHOSPHOR BRONZE C5210,T=0.35MM,  
 6U" GOLD PLATING ON CONTACT AREA.

**MECHANICAL:**

DURABILITY : 750 CYCLES MIN.  
 MATING FORCE : 23N MAX.  
 OPERATING TEMPERATURE: -40°C~+85°C.  
 STORAGE TEMPERATURE: -40°C~+85°C.

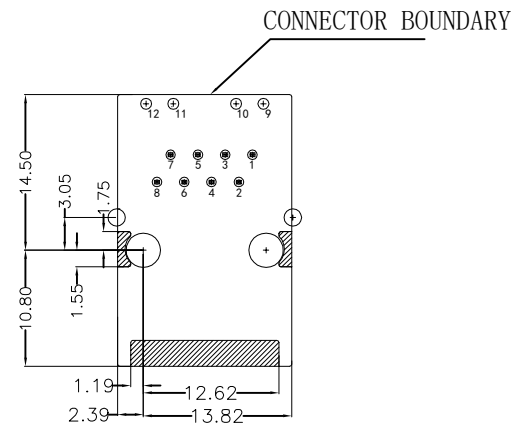
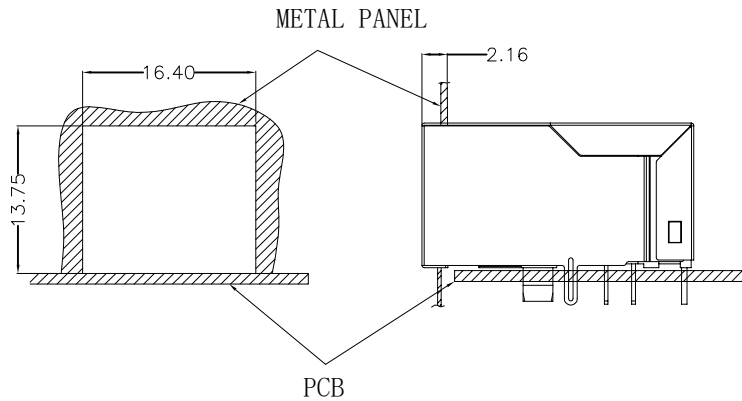
|      |                 |          |          |                    |          |               |             |          |                              |                   |  |            |
|------|-----------------|----------|----------|--------------------|----------|---------------|-------------|----------|------------------------------|-------------------|--|------------|
| REV. | REVISION RECORD | DATE     |          | GENERAL TOLERANCES |          | SCALE:<br>1:1 | NAME        | DATE     | PART.NO:<br>WLR4F9-1211A0152 | DWG.NO:<br>ENDE05 |  |            |
| A0   | NEW RELEASE     | 22.10.28 |          | LINEAR             | ANGLES   | APPROVED      | Wang_jr     | 22.10.28 |                              |                   |  |            |
|      |                 |          | UNIT:mm  | 0.00±0.25          | X'±3'    | DESIGNER      | Han_Gao     | 22.10.28 | TITLE:<br>RJ45 1X1 100BASE   | REV: A0           |  | SHEET: 1/4 |
|      |                 |          | SIZE: A4 | 0.000±0.10         | X'X' ±2' | DRAWN         | LanXuan_Hou | 22.10.28 |                              |                   |  |            |

The product using material and processing must conform to the "WL-PZ-001" HSF technical standard control requirements

RoHS

RECOMMENDED PANEL CUTOUT (REFERENCE ONLY) :

KEEP-OUT AREA (COMPONENT SIDE VIEW) :



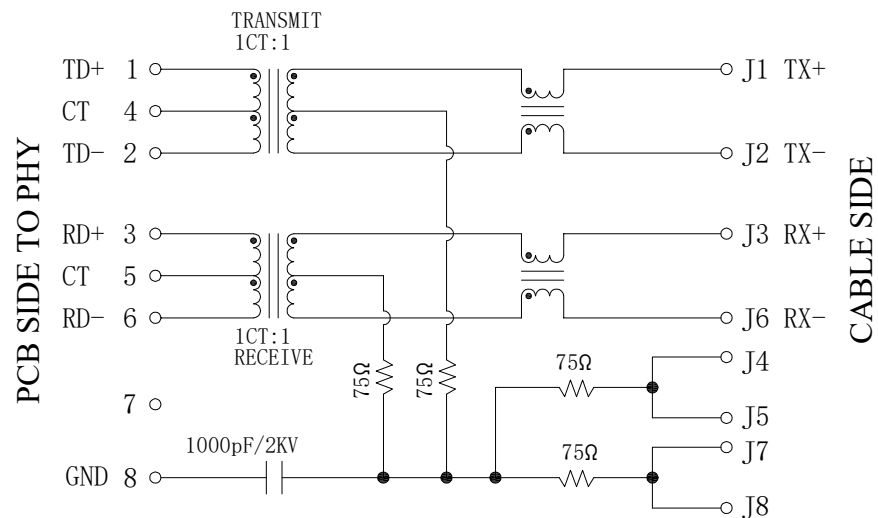
UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10 / 0.004$   
REFERENCE ONLY

PLUG-IN SIDE

UNIT: MM / INCH  
TOLERANCES:  $\pm 0.10 / 0.004$

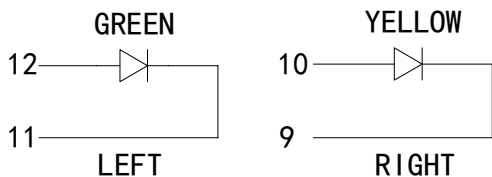
| REV. | REVISION RECORD | DATE     |          | GENERAL TOLERANCES |               | SCALE:   | NAME        | DATE     | PART.NO:<br>WLR4F9-1211A0152 | DWG.NO:<br>ENDE05 | <br>WanLian Technology Co., Ltd |
|------|-----------------|----------|----------|--------------------|---------------|----------|-------------|----------|------------------------------|-------------------|---------------------------------|
| AO   | NEW RELEASE     | 22.10.28 |          | LINEAR             | ANGLES        | 1:1      | APPROVED    | Wang_jr  |                              |                   |                                 |
|      |                 |          | UNIT:mm  | 0.00 $\pm$ 0.25    | X'3'          | DESIGNER | Han_Gao     | 22.10.28 | TITLE:<br>RJ45 1X1 100BASE   |                   |                                 |
|      |                 |          | SIZE: A4 | 0.000 $\pm$ 0.10   | X'X' $\pm$ 2' | DRAWN    | LanXuan_Hou | 22.10.28 |                              |                   |                                 |

The product using material and processing must conform to the "WL-PZ-001" HSF technical standard control requirements



**Electrical:**

1. Turn ratio: 1~2: J1~J2=1CT:1CT(±2%).  
3~6: J3~J6=1CT:1CT(±2%).
2. OCL: 350uH Min. at 100KHz 100mV 8mA DC.
3. Insertion Loss: -1.0 dB Max 1~100MHz.
4. Return loss: -20dB Min 1~10MHz;  
-16dB Min 10~30MHz.  
-12dB Min 30~60MHz.  
-10dB Min 60~80MHz.
5. Cross talk: -40dB Min 1~30MHz;  
-35dB Min 30~60MHz;  
-30dB Min 60~100MHz;
6. CMR: -30dB Min 1~100MHz;
7. Hi-Pot: 1500V AC & 2250V DC  
6S 1mA PRI TO SEC



**LED Specification**

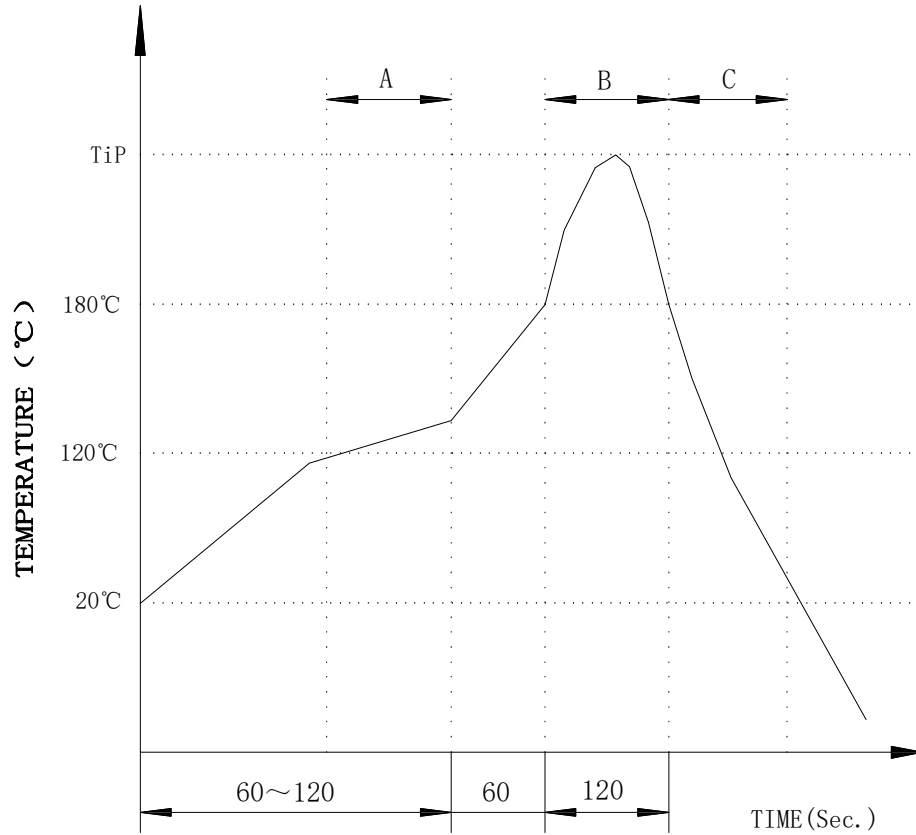
| Standard LED Color | LED Wavelength | Foward(A) | Foward(V)  |
|--------------------|----------------|-----------|------------|
| Green              | 568nm          | 20mA      | 1.85-2.45V |
| Yellow             | 585nm          | 20mA      | 1.7-2.2V   |

| REV. | REVISION RECORD | DATE     | GENERAL TOLERANCES |           | SCALE:   | NAME    | DATE        | PART.NO:         | DWG.NO:          | <br>WanLian Technology Co., Ltd |            |
|------|-----------------|----------|--------------------|-----------|----------|---------|-------------|------------------|------------------|---------------------------------|------------|
| AO   | NEW RELEASE     | 22.10.28 | LINEAR             | ANGLES    | 1:1      | Wang_jr | 22.10.28    | WLR4F9-1211A0152 | ENDE05           |                                 |            |
|      |                 |          | 0.0±0.35           | X'REF±6°  | APPROVED |         |             |                  |                  |                                 |            |
|      |                 |          | 0.00±0.25          | X'±3°     | DESIGNER | Han_Gao | 22.10.28    | TITLE:           |                  |                                 |            |
|      |                 |          | UNIT:mm            | 0.00±0.10 | X'X'±2°  | DRAWN   | LanXuan_Hou | 22.10.28         | RJ45 1X1 100BASE | REV: A0                         | SHEET: 3/4 |

The product using material and processing must conform to the "WL-PZ-001"HSF technical standard control requirements



# PROFILE OF WAVE SOLDER



A.Preheating B.Soldering C.Gradual Cooling  
 Tip temperature:260±5°C.  
 Tip temperature time:5Sec Max.  
 Tip melting point of Sn96.5/Ag3/Cu0.5:217°C.

Remarks: after wave soldering, the plastic positioning columns of the product which under the PCB will be slightly melted, but it won't affect its function.

|      |                 |          |          |                    |          |               |             |          |                  |         |                       |
|------|-----------------|----------|----------|--------------------|----------|---------------|-------------|----------|------------------|---------|-----------------------|
| REV. | REVISION RECORD | DATE     |          | GENERAL TOLERANCES |          | SCALE:<br>1:1 | NAME        | DATE     | PART.NO:         | DWG.NO: |                       |
| AO   | NEW RELEASE     | 22.10.28 |          | LINEAR             | ANGLES   | APPROVED      | Wang_jr     | 22.10.28 | WLR4F9-1211A0152 | ENDE05  |                       |
|      |                 |          | UNIT:mm  | 0.00±0.25          | X'±3'    | DESIGNER      | Han_Gao     | 22.10.28 | TITLE:           |         | REV: A0    SHEET: 4/4 |
|      |                 |          | SIZE: A4 | 0.000±0.10         | X'X' ±2' | DRAWN         | LanXuan_Hou | 22.10.28 | RJ45 1X1 100BASE |         |                       |