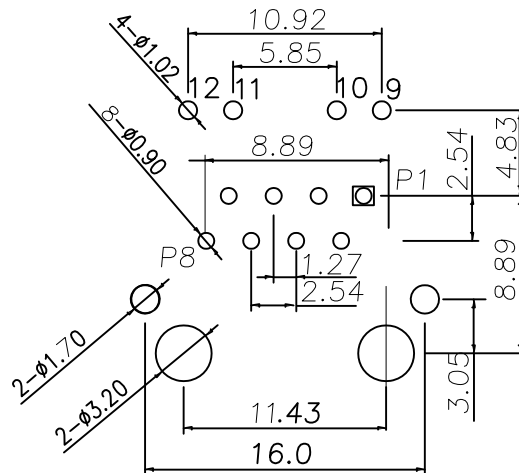
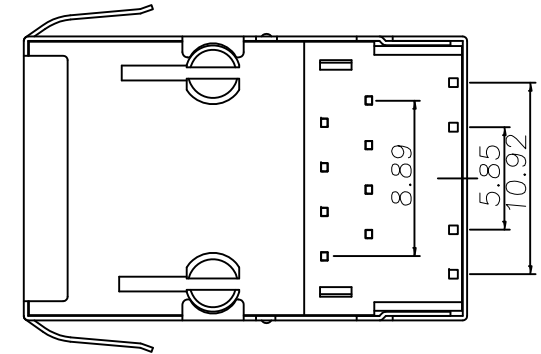
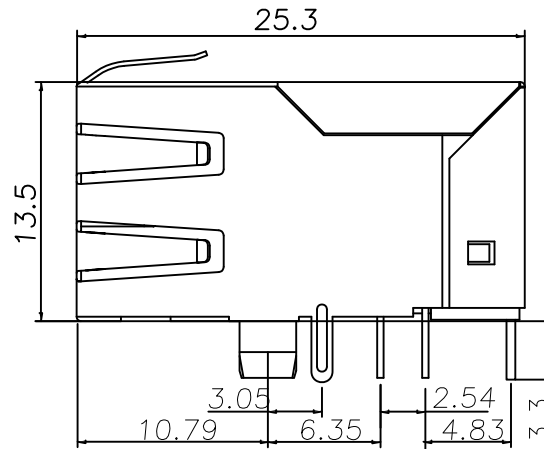
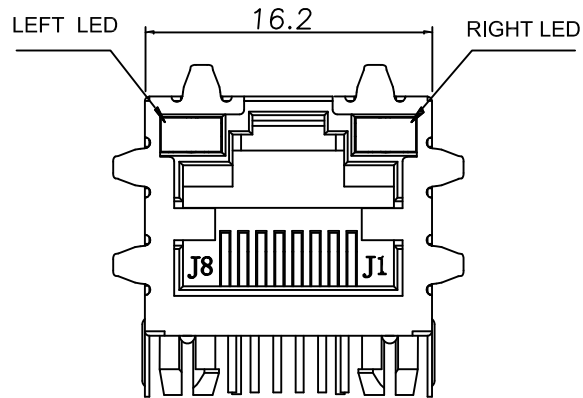


RoHS compliant

## MECHANICAL:



P.C.B RECOMMENDED HOLE LAYOUT SEEN FROM COMPONENT SIDE.  
ALL CENTERLINE DIMENSIONS ARE BASIC

## Connect Material:

Housing: Thermoplastic, PBT, UL 94V-0, Black  
Contact/Shield: Copper alloy  
Shield Plating: Nickel  
Contact Plating: Selective gold 6u" Min

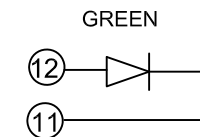
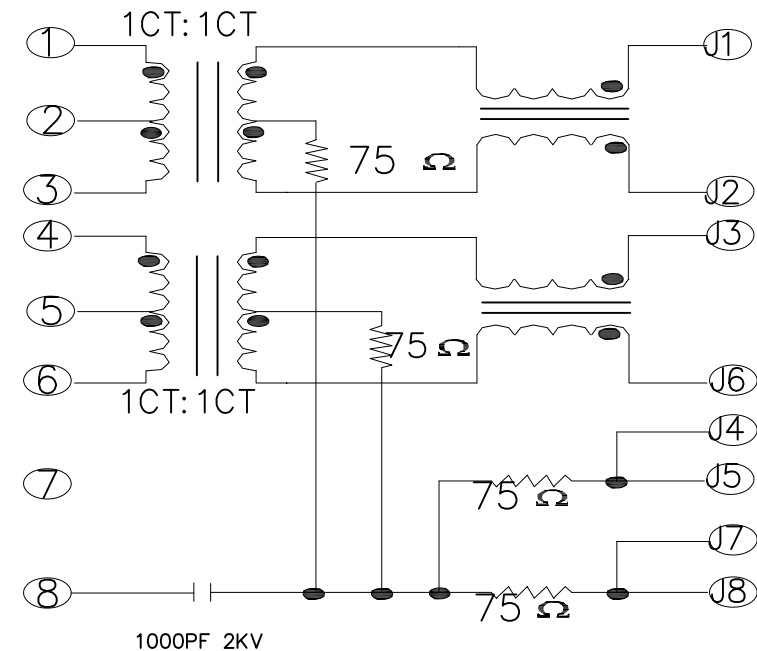
|     |        |             |            |           | GENERAL TOLERANCE |         | DRAWN      | Gene Li | 2019/04/13 | UNIT  | MM  | <b>X-SHUN</b> 东莞市祥舜电子科技有限公司<br>DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD<br>TEL: +86 769 81885389 FAX: +86 769 81887859<br>E-Mail: sales@x-shun.com Http: www.x-shun.com |                                          |
|-----|--------|-------------|------------|-----------|-------------------|---------|------------|---------|------------|-------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
|     |        |             |            |           | .X ±0.35          | X.° ±2° | CHECKE     | ZLT     |            | SCALE | 1:1 |                                                                                                                                                                               |                                          |
| A0  |        | NEW DESIGN  | 2019/04/13 |           | .XX ±0.25         | .X° ±1° | APPROVE    |         |            | SHEET | 1/2 | PART NO.                                                                                                                                                                      | 202122-111H-B203                         |
| REV | ECN NO | DESCRIPTION | DATE       | SIGNATURE | PROJECT           |         | DRAWING NO |         |            | REV   | A0  | TITLE                                                                                                                                                                         | RJ45-100BASE 1X1 TAB-UP W/ LED W/ SHIELD |

RoHS compliant

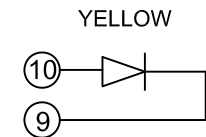
## ELECTRICAL SPECIFICATIONS@25°C UNLESS OTHERWISE NOTED:

- 1.Turn Ratio(+/-2%): 1CT :1CT
- 2.Inductance OCL:  
350uH Min @100KHz/0.1V DC BIAS 8mA
- 3.Insertion Loss:  
-1.0dB Max @1.0-100MHz
- 4.Return Loss:  
-18dB Min @1-30MHz  
-15dB Min @30-60MHz  
-12dB Min @60-80MHz  
-10dB Min @80-100MHz
- 5.Cross talk:  
-40dB Min @1-30MHz  
-35dB Min @30-60MHz  
-30dB Min @60-100MHz
- 6.Common Mode Rejection:  
-30dB Min @1-50MHz  
-20dB Min @50-150MHz
- 7.HIPOT TEST:2250V DC 1mA 3SEC MAX
- 8.OPERATING TEMPERATURE RANGE:0-70°C
- 9.STORAGE TEMPERATURE RANGE:-40~+80°C

## SCHEMATICS



LEFT LED



RIGHT LED

|     |        |             |            |           |                                                                                                  |                   |            |         |            |       |     |                                                                                                                                                                    |                                          |
|-----|--------|-------------|------------|-----------|--------------------------------------------------------------------------------------------------|-------------------|------------|---------|------------|-------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
|     |        |             |            |           | GENERAL TOLERANCE                                                                                |                   | DRAWN      | Gene Li | 2019/04/13 | UNIT  | MM  | X-SHUN 东莞市祥舜电子科技有限公司<br>DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD<br>TEL:+86 769 81885389 FAX:+86 769 81887859<br>E-Mail:sales@x-shun.com Http:www.x-shun.com |                                          |
|     |        |             |            |           | .X                                                                                               | ±0.35 X.° ± 2°    | CHECKE     | ZLT     |            | SCALE | 1:1 |                                                                                                                                                                    |                                          |
|     |        |             |            |           | .XX                                                                                              | ±0.25 .X° ± 1°    |            |         |            |       |     |                                                                                                                                                                    |                                          |
| A0  |        | NEW DESIGN  | 2019/04/13 |           | .XXX                                                                                             | ±0.15 .XX° ± 0.5° | APPROVE    |         |            | SHEET | 2/2 | PART NO.                                                                                                                                                           | 202122-111H-B203                         |
| REV | ECN NO | DESCRIPTION | DATE       | SIGNATURE | PROJECT<br> |                   | DRAWING NO |         |            | REV   | A0  | TITLE                                                                                                                                                              | RJ45-100BASE 1X1 TAB-UP W/ LED W/ SHIELD |