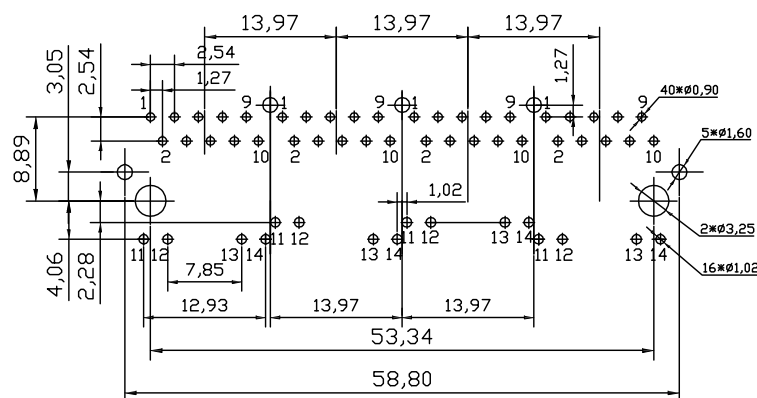
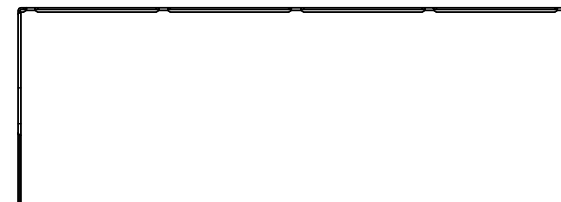
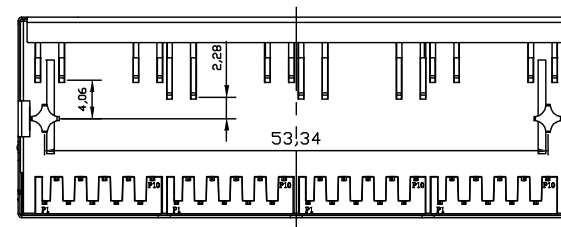
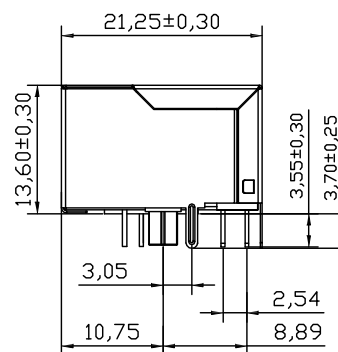
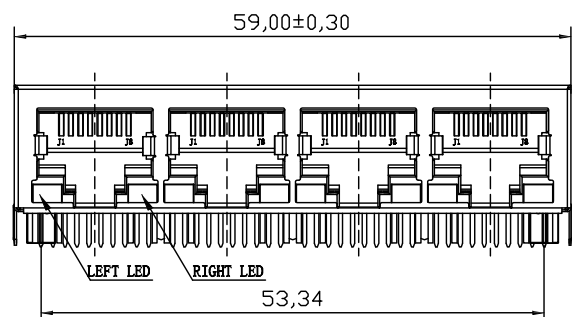


MECHANICAL:



COMPONENT SIDE VIEW(TOLERANCE:  $\pm 0.05\text{mm}$ )

- 1.Housing: Thermoplastic,PBT,UL94V-0,Color:Black;
- 2.Insert: Thermoplastic,PBT,UL 94V-0,Color:Black;
- 3.Shield: Brass T=0.2mm,30u" Min Nickel Overall Plated;
- 4.Input Terminal: Brass T=0.35mm
- 5.Input And RJ45 Contact Terminal Plating:  
50u" Min Ni UnderPlated Overall,80u" Min Tin On Solder Area;
- 6.RJ45 Contacts Terminal: Phosphor Bronze T=0.35mm  
Selective 6u" Gold Plated On Contact Area;

|     |        |             |            |           |                   |       |       |                                                                                       |  |            |      |    |                                                                                                                                                                                                |     |          |                  |       |                                           |
|-----|--------|-------------|------------|-----------|-------------------|-------|-------|---------------------------------------------------------------------------------------|--|------------|------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----------|------------------|-------|-------------------------------------------|
|     |        |             |            |           | GENERAL TOLERANCE |       | DRAWN | Gene Li                                                                               |  | 2022/07/21 | UNIT | MM | <div><div>X-SHUN</div><div>DONGGUAN X-SHUN ELECTRONICTECHNOLOGY CO., LTD</div><div>TEL:+86 769 81885389 FAX:+86 769 81887859</div><div>E-Mail:sales@x-shun.com HTTP:www.x-shun.com</div></div> |     |          |                  |       |                                           |
|     |        |             |            |           | .X                | ±0.35 | X.°   | ± 2°                                                                                  |  | CHECKE     | ZLT  |    | SCALE                                                                                                                                                                                          | 1:1 |          |                  |       |                                           |
|     |        |             |            |           | .XX               | ±0.25 | X.°   | ± 1°                                                                                  |  |            |      |    |                                                                                                                                                                                                |     |          |                  |       |                                           |
| A0  |        | NEW DESIGN  | 2022/07/21 |           | .XXX              | ±0.15 | .XX°  | ± 0.5°                                                                                |  | APPROVE    |      |    | SHEET                                                                                                                                                                                          |     | PART NO. | 20131S-111H-G111 |       |                                           |
| REV | ECN NO | DESCRIPTION | DATE       | SIGNATURE | PROJECT           |       |       |  |  | DRAWING NO |      |    |                                                                                                                                                                                                |     | REV      | A0               | TITLE | RJ45-1000BASE 1X4 TAB-DOWN W/LED W/SHIELD |

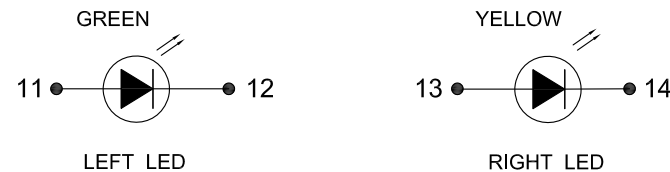
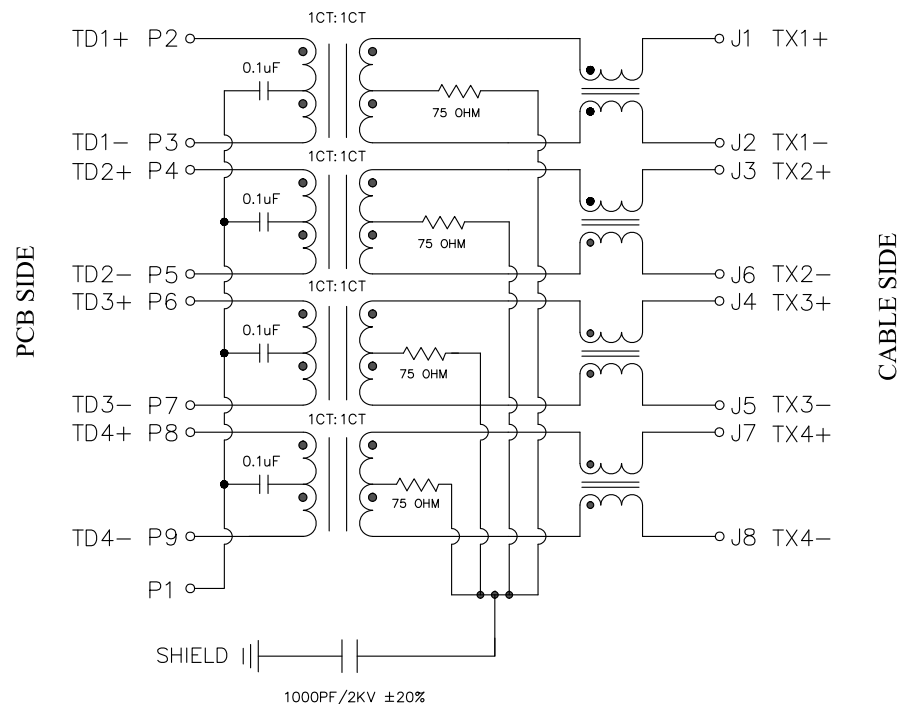
RoHS compliant

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

- 1.Turn Ratio(+/-5%): 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
  - 15dB Min 30-60MHz
  - 12dB Min 60-80MHz
  - 10dB Min 80-100MHz
- 5.Cross talk:
  - 30dB Min 1-100MHz
- 6.Common Mode Rejection:
  - 30dB Min 1-100MHz
- 7.Hipot Test: (pcb side to cable side)
  - 2250VDC 3S 1mA Max
- 8.Operating Temperature Range: -40°C ~ +85°C
- 9.Storage Temperature Range: -40°C ~ +85°C
- 10.The Part Is Recommended For Wave Soldering Process .
- 11.RJ45 Meets IEEE 802.3 Standards.
- 12.RJ45 Cavities Conform To FCC Rules And Regulation Part 68 Subpart F.
- 13.LED Specification:

| Emitting Color | λd (nm)typ | Vf@If=20mA | Ir@Vr=5V |
|----------------|------------|------------|----------|
| GREEN          | 565nm      | 1.8-2.4V   | 10uA Max |
| YELLOW         | 585nm      | 1.8-2.4V   | 10uA Max |

## SCHEMATICS



|     |        |             |            |           |                   |       |       |            |         |            |      |       |                                                                                                                                                                   |          |                  |                                           |
|-----|--------|-------------|------------|-----------|-------------------|-------|-------|------------|---------|------------|------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------------|-------------------------------------------|
|     |        |             |            |           | GENERAL TOLERANCE |       | DRAWN | Gene Li    |         | 2022/07/21 | UNIT | MM    | X-SHUN 东莞市祥舜电子科技有限公司<br>DONGGUAN X-SHUN ELECTRONICTECHNOLOGY 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                                                                                                                                                               | PART NO. | 20131S-111H-G111 |                                           |
|     |        |             |            |           | .XX               | ±0.25 | .X°   | ± 1°       |         |            |      |       |                                                                                                                                                                   |          |                  | SHEET                                     |
| A0  |        | NEW DESIGN  | 2022/07/21 |           | .XXX              | ±0.15 | .XX°  | ± 0.5°     | APPROVE |            |      |       |                                                                                                                                                                   |          |                  |                                           |
| REV | ECN NO | DESCRIPTION | DATE       | SIGNATURE | PROJECT           |       |       | DRAWING NO |         |            |      |       | REV                                                                                                                                                               | A0       | TITLE            | RJ45-1000BASE 1X4 TAB-DOWN W/LED W/SHIELD |