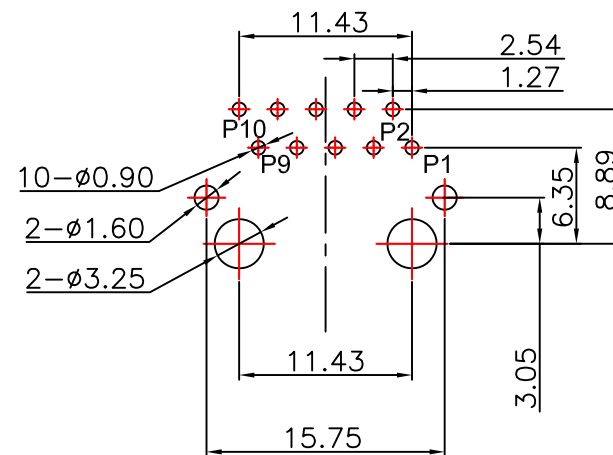
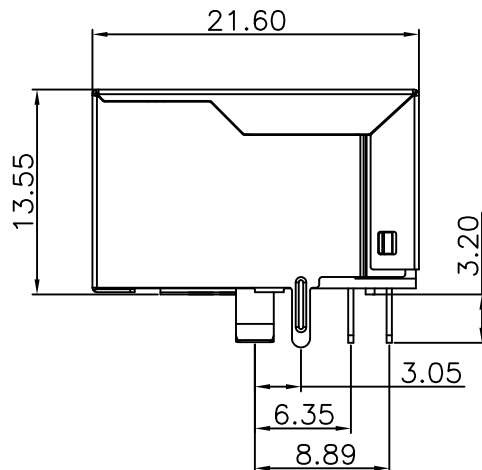
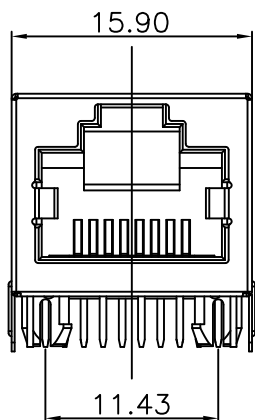
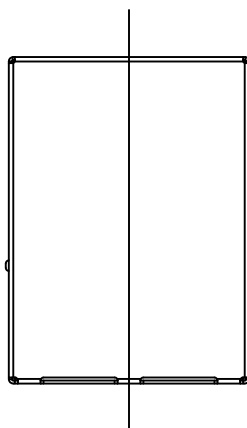
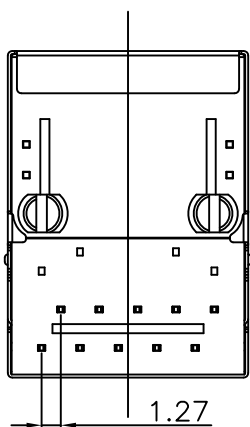


RoHS compliant



Recommended PCB Layout(Top View)  
(Tolerance:±0.05)



#### 1.Material:

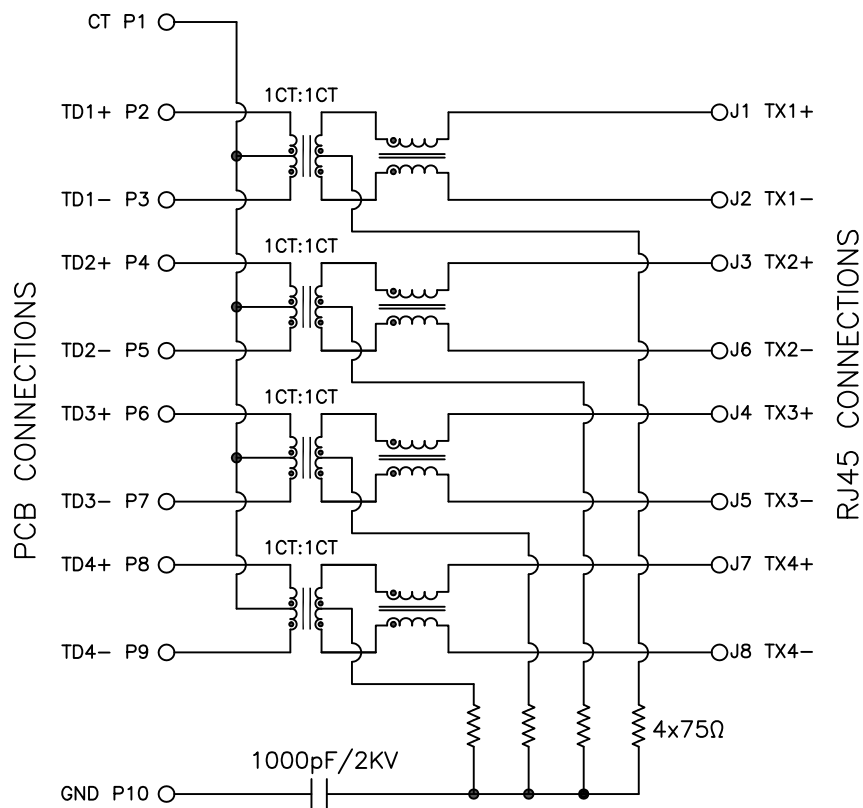
- 1.1 Housing: PBT UL94V-0 Black.  
Insert: PBT UL94V-0 Black.
- 1.2 Shell: 30u" Ni Over Brass(C2680),T=0.20mm.
- 1.3 RJ45 Terminal:Phosphor Bronze(C5191) T=0.35mm  
Plating:6u" Gold Plated On Contact Area,  
80u" ~120u" Tin Plated On Solder Area,  
50u" ~80u" Ni Underplated Overall.
- 1.4 Tail Terminal: Brass(C2680) T=0.35mm,  
Plating: 80u" ~120u" Tin Plated Over,  
30u" ~50u" Ni Underplated Overall.

#### 2.Environmental requirements:

- 2.1 Lead-free process,compliant RoHS.

|     |        |             |  |            |                                                                                       |                                                                                       |       |        |         |    |            |     |                                                                                                               |          |     |                                        |             |          |
|-----|--------|-------------|--|------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------|--------|---------|----|------------|-----|---------------------------------------------------------------------------------------------------------------|----------|-----|----------------------------------------|-------------|----------|
|     |        |             |  |            | GENERAL TOLERANCE                                                                     |                                                                                       | DRAWN |        | Gene Li |    | 2023/01/06 |     | <div><div>X-SHUN</div><div>东莞市祥舜电子科技有限公司</div><div>DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD</div></div> |          |     |                                        |             |          |
|     |        |             |  |            | .X                                                                                    | ±0.35                                                                                 | X.°   | ± 2°   | CHECKE  |    | HYF        |     |                                                                                                               | PART NO. |     | 20311G-1110-G308-R                     |             |          |
| A0  |        | NEW DESIGN  |  | 2023/01/06 | .XX                                                                                   | ±0.25                                                                                 | .X°   | ± 1°   | APPROVE |    |            |     |                                                                                                               | TITLE:   |     | RJ45 TAB-DOWN 1000BASE-TX 1X1 W/SHIELD |             |          |
|     |        |             |  |            | .XXX                                                                                  | ±0.15                                                                                 | .XX°  | ± 0.5° |         |    |            |     |                                                                                                               |          |     |                                        |             |          |
| REV | ECN NO | DESCRIPTION |  | DATE       | SIGNATURE                                                                             | PROJECT                                                                               |       | UNIT   |         | mm | SCALE      | 1:1 | SHEET                                                                                                         | 1/3      | REV | A0                                     | DRAWING NO. | 203-G307 |
|     |        |             |  |            |  |  |       |        |         |    |            |     |                                                                                                               |          |     |                                        |             |          |

RoHS compliant



### 3. Electrical Specification @25°C:

3.1 Inductance: 350uH Min With 8mA DC bias.

3.2 Insertion loss :  
1-100MHZ -1.0dB max.

3.3 Return loss :  
1-30MHZ -18dB min.  
30-60MHZ -16dB min.  
60-80MHZ -12dB min.  
80-100MHZ -10dB min.

3.4 Common Mode Rejection: 1-100MHZ -30dB min.

3.5 Cross Talk: 1-100MHZ -30dB min.

### 4. Operating and Storage Temperature:

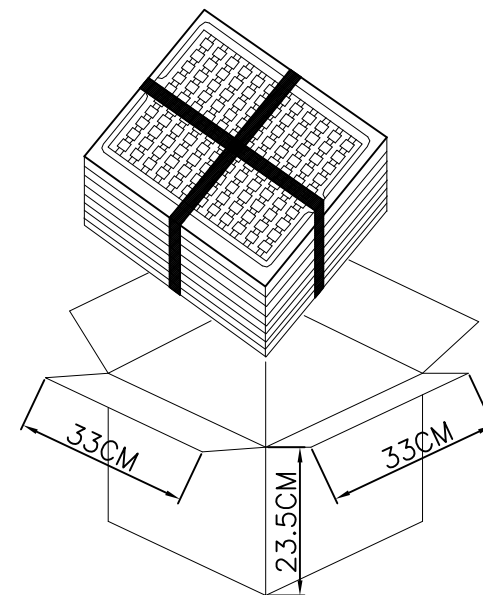
4.1 Operating Temperature : -40°C to +85°C.

4.2 Storage Temperature : -40°C to +85°C.

5. Wave soldering peak temperature: 260°C.

|     |        |             |  |            |                   |         |       |       |        |         |     |            |       |                                                                                                               |          |        |                    |                                        |             |          |
|-----|--------|-------------|--|------------|-------------------|---------|-------|-------|--------|---------|-----|------------|-------|---------------------------------------------------------------------------------------------------------------|----------|--------|--------------------|----------------------------------------|-------------|----------|
|     |        |             |  |            | GENERAL TOLERANCE |         |       | DRAWN |        | Gene Li |     | 2023/01/06 |       | <div><div>X-SHUN</div><div>东莞市祥舜电子科技有限公司</div><div>DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD</div></div> |          |        |                    |                                        |             |          |
|     |        |             |  |            | .X                | ±0.35   | X.°   | ± 2°  | CHECKE |         | KYF |            |       |                                                                                                               | PART NO. |        | 20311G-1110-G308-R |                                        |             |          |
| A0  |        | NEW DESIGN  |  | 2023/01/06 |                   | .XX     | ±0.25 | .X°   | ± 1°   | APPROVE |     |            |       |                                                                                                               |          | TITLE: |                    | RJ45 TAB-DOWN 1000BASE-TX 1X1 W/SHIELD |             |          |
|     |        |             |  |            |                   | .XXX    | ±0.15 | .XX°  | ± 0.5° |         |     |            |       |                                                                                                               |          |        |                    |                                        |             |          |
| REV | ECN NO | DESCRIPTION |  | DATE       | SIGNATURE         | PROJECT |       |       |        | UNIT    |     | mm         | SCALE | 1:1                                                                                                           | SHEET    | 2/3    | REV                | A0                                     | DRAWING NO. | 203-G307 |

*RoHS compliant*



|     |        |             |  |            |                     |                      |  |        |         |         |    |            |     |                                                                                                                |        |                    |                                        |             |  |          |  |  |  |  |  |  |  |  |  |
|-----|--------|-------------|--|------------|---------------------|----------------------|--|--------|---------|---------|----|------------|-----|----------------------------------------------------------------------------------------------------------------|--------|--------------------|----------------------------------------|-------------|--|----------|--|--|--|--|--|--|--|--|--|
|     |        |             |  |            | GENERAL TOLERANCE   |                      |  | DRAWN  |         | Gene Li |    | 2023/01/06 |     | <div><div>X-SHUN</div><div>东莞市祥舜电子科技有限公司</div><div>DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD.</div></div> |        |                    |                                        |             |  |          |  |  |  |  |  |  |  |  |  |
|     |        |             |  |            | .X ±0.35   X.° ± 2° |                      |  | CHECKE |         | HYF     |    |            |     | PART NO.                                                                                                       |        | 20311G-1110-G308-R |                                        |             |  |          |  |  |  |  |  |  |  |  |  |
| A0  |        | NEW DESIGN  |  | 2023/01/06 |                     | .XX ±0.25   X.° ± 1° |  |        | APPROVE |         |    |            |     |                                                                                                                | TITLE: |                    | RJ45 TAB-DOWN 1000BASE-TX 1X1 W/SHIELD |             |  |          |  |  |  |  |  |  |  |  |  |
| REV | ECN NO | DESCRIPTION |  | DATE       | SIGNATURE           | PROJECT              |  |        | UNIT    |         | mm | SCALE      | 1:1 | SHEET                                                                                                          | 3/3    | REV                | A0                                     | DRAWING NO. |  | 203-G307 |  |  |  |  |  |  |  |  |  |

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DONGGUAN X-SHUN ELECTRONIC TECHNOLOGY CO., LTD

|          |                    |
|----------|--------------------|
| PART NO. | 20311G-1110-G308-R |
|----------|--------------------|

|        |                                               |
|--------|-----------------------------------------------|
| TITLE: | <i>RJ45 TAB-DOWN 1000BASE-TX 1X1 W/SHIELD</i> |
|--------|-----------------------------------------------|

|     |    |             |          |
|-----|----|-------------|----------|
| REV | A0 | DRAWING NO. | 203-G307 |
|-----|----|-------------|----------|