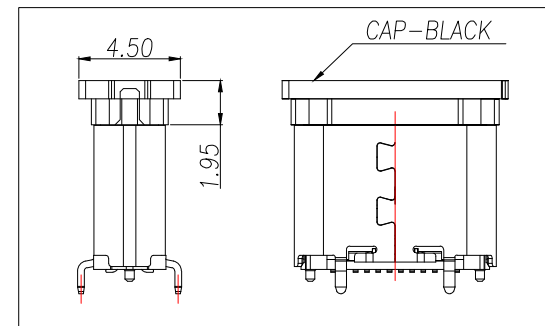
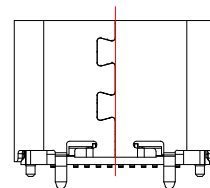
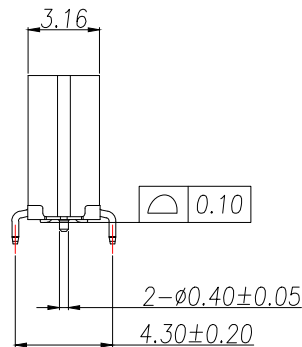
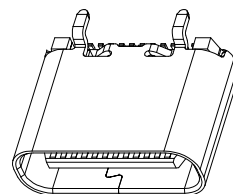
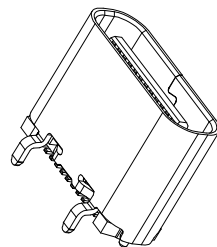
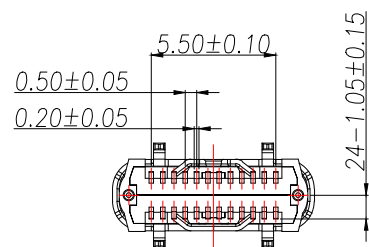
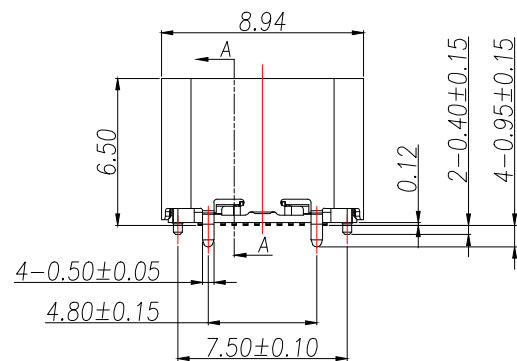
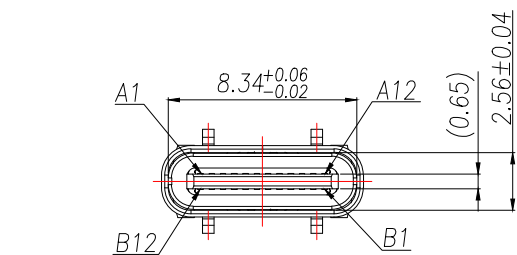
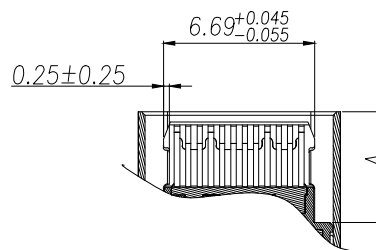
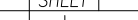


SECTION A-A

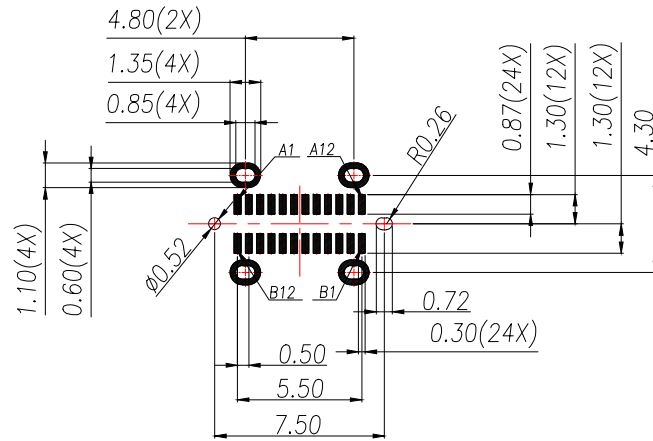


Note: 24pin with ground plate; 16pin without ground plate;

| NO. | PART NAME    | Q'TY | MATERIAL             | FINISH            |
|-----|--------------|------|----------------------|-------------------|
| 1   | Shell        | 1    | SUS304-1/2H,T=0.30mm | 50u"Ni Min.       |
| 2   | TERMINAL     | 2    | C7025 TM04,T=0.12mm  | 1u"Au/50u"Ni Min. |
| 3   | MID PLATE    | 1    | SUS301-H,T=0.15mm    | wash              |
| 4   | GROUND PLATE | 2    | SUS301-H,T=0.10mm    | wash              |
| 5   | Housing      | 1    | LCP or PA            | UL 94 V-0 BLACK   |

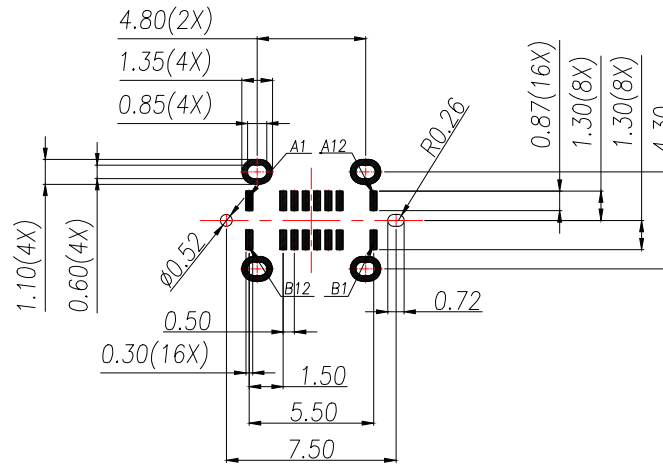
| 制图<br>DRAWN | 变更内容<br>DESCRIPTION | 日期<br>DATE | GENERAL TOLERANCE |            | 制图<br>DRAWING  | ROSE |             |     | 料号<br>PART NO.                                                                                                                                           | ZX-TYPE-C-393                              | 版本<br>REV.                                                                            | A   |
|-------------|---------------------|------------|-------------------|------------|----------------|------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------|-----|
|             |                     |            | X.:±0.50          | X.:±5°     | 审核<br>CHECK    | LEO  |             |     | 品名<br>TITLE                                                                                                                                              | TYPE-C Vertical Type<br>Double Row SMT REC | 页次<br>SHEET                                                                           | 1/1 |
|             |                     |            | X.X:±0.35         | X.X:±3°    | 核准<br>APPROVAL | JOHN |             |     | 客户料号<br>CUTM.NO.                                                                                                                                         |                                            |  |     |
|             |                     |            | X.XX:±0.25        | X.XX:±2.5° |                |      |             |     |                                                                                                                                                          |                                            |                                                                                       |     |
|             |                     |            |                   |            | 单位<br>UNITS    | MM   | 比例<br>SCALE | 1:1 |  兆星精密电子（深圳）有限公司<br>ShenZhen ZhaoXing Precision electronics Co., Ltd |                                            |                                                                                       |     |

RECOMMENDED P.C.B. LAYOUT(24 Pin)



TOLERANCE UNSPECIFIED  $\pm 0.05\text{mm}$   
RECOMMENDED PCB THICKNESS:  $0.8 \pm 0.10\text{mm}$

RECOMMENDED P.C.B. LAYOUT(16 Pin)



TOLERANCE UNSPECIFIED  $\pm 0.05\text{mm}$   
RECOMMENDED PCB THICKNESS:  $0.8 \pm 0.10\text{mm}$

USB TYPE-C 24PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A2         | SSTXp1      | B11        | SSTXp1      |
| A3         | SSTXn1      | B10        | SSTXn1      |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A10        | SSRXn2      | B3         | SSRXn2      |
| A11        | SSRXp2      | B2         | SSRXp2      |
| A12        | GND         | B1         | GND         |

USB TYPE-C 16PIN ASSIGNMENTS

| PIN NUMBER | SIGNAL NAME | PIN NUMBER | SIGNAL NAME |
|------------|-------------|------------|-------------|
| A1         | GND         | B12        | GND         |
| A4         | VBUS        | B9         | VBUS        |
| A5         | CC1         | B8         | SBU2        |
| A6         | Dp1         | B7         | Dn2         |
| A7         | Dn1         | B6         | Dp2         |
| A8         | SBU1        | B5         | CC2         |
| A9         | VBUS        | B4         | VBUS        |
| A12        | GND         | B1         | GND         |

SPECIFICATION:

1. MATERIAL:

- 1-1.HOUSING&MOLDING:HIGH TEMPERATURE RESISTANT PLASTIC,UL94 V-0 COLOR:BLACK
- 1-2.CONTACTS:COPPER ALLOY T=0.12mm
- 1-3.SHELL:STAINLESS STEEL SUS304-1/2H,T=0.30
- 1-4.MID PLATE: STAINLESS STEEL(SUS301)T=0.15mm
- 1-5.EMI PLATE: STAINLESS STEEL(SUS301)T=0.10mm

2.PLATING SPECIFICATION:

2-1.CONTACTS:

- Ni 50u" MIN. UNDER PLATED OVER ALL.
- Au PLATED ON THE MATING AREA OF CONTACT.
- MATTE SN PLATED ON THE SOLDER AREA.

2-2.SHELL:Ni 30u" MIN. UNDER PLATED OVER ALL.

2-3.MID PLATE:CLEAR ONLY

2-4.EMI PLATE:CLEAR ONLY

3. MECHANICAL:

- 3.1.MATING FORCE:0.5~2.0kgf;
- 3.2.UNMATING FORCE:0.8~2.0kgf.
- 0.6~2.0kgf AFTER DURABILITY TEST;
- 3.3.DURABILITY:10000 CYCLES;

4.ELECTRICAL:

- 4.1.CURRENT RATING:5A Max;
- 4.2.VOLTAGE RATING:20V Max;
- 4.3.DIELECTRIC WITHSTANDING VOLTAGE:100Vac;
- 4.4.CONTACT RESISTANCE:40m Ohms Max.;
- 4.5.INSULATION RESISTANCE:100M Ohms Min.;

5.ENVIRONMENTAL:

- 5.1.OPERATING TEMPERATURE:-40°C~+85°C;
- 5.2.WETTING TEMPERATURE:265 $\pm$ 5°C,5 $\pm$ 0.5s

|             |                     |             |                   |             |                |      |                                                                                                                                                           |                                            |                                                                                       |               |            |   |
|-------------|---------------------|-------------|-------------------|-------------|----------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------------------------------------------------------------|---------------|------------|---|
| 制图<br>DRAWN | 变更内容<br>DESCRIPTION | 日期<br>DATE  | GENERAL TOLERANCE |             | 制图<br>DRAWING  | ROSE |                                                                                                                                                           |                                            | 料号<br>PART NO.                                                                        | ZX-TYPE-C-393 | 版本<br>REV. | A |
|             |                     |             | X.:±0.50          | X.:±5°      | 审核<br>CHECK    | LEO  | 品名<br>TITLE                                                                                                                                               | TYPE-C Vertical Type<br>Double Row SMT REC | 页次<br>SHEET                                                                           | 1/1           |            |   |
|             |                     |             | X.X:±0.35         | X.X:±3°     |                |      | 客户料号<br>CUTM.NO.                                                                                                                                          |                                            |  |               |            |   |
|             |                     |             | X.XX:±0.25        | X.XX:±2.5°  | 核准<br>APPROVAL | JOHN |  兆星精密电子（深圳）有限公司<br>ShenZhen ZhaoXing Precision electronics Co., Ltd. |                                            |                                                                                       |               |            |   |
|             |                     | 单位<br>UNITS | MM                | 比例<br>SCALE | 1:1            |      |                                                                                                                                                           |                                            |                                                                                       |               |            |   |