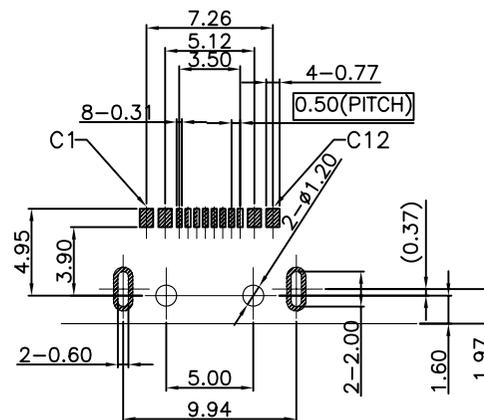


INTERFACE(FRONT VIEW)

| | | | | | | | | | | | |
|-----|-----|-----|------|------|-----|-----|------|------|-----|-----|-----|
| A1 | A2 | A3 | A4 | A5 | A6 | A7 | A8 | A9 | A10 | A11 | A12 |
| GND | | | VBUS | CC1 | DP1 | DN1 | SBU1 | VBUS | | | GND |
| GND | | | VBUS | SBU2 | DN2 | DP2 | CC2 | VBUS | | | GND |
| B12 | B11 | B10 | B9 | B8 | B7 | B6 | B5 | B4 | B3 | B2 | B1 |

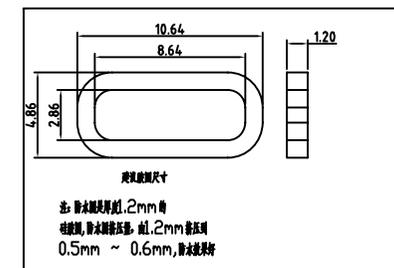
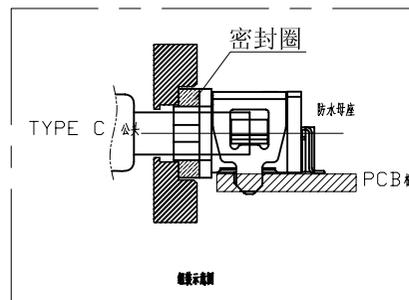
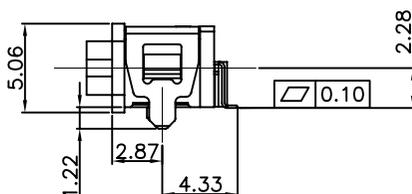
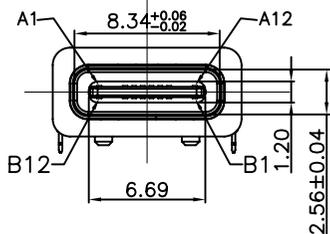
PIN ASSIGNMENT

| | | | | | | | | | | | | |
|-------------|--------|-------|------|-----|-----|-----|-----|-----|------|-----|-------|--------|
| PIN NO. | A1&B12 | A4&B9 | B8 | A5 | B7 | A6 | A7 | B6 | A8 | B5 | A9&B4 | A12&B1 |
| SIGNAL NAME | GND | VBUS | SBU2 | CC1 | DN2 | DP1 | DN1 | DP2 | SBU1 | CC2 | VBUS | GND |
| PCB PAD NO. | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 | C10 | C11 | C12 |



RECOMMENDED PCB LAYOUT(TOP VIEW)

THICKNESS T=1.0mm
DEFAULT TOLERANCE+/-0.05



NOTES:

- MATERIAL: SEE "TABLE 1";
- FINISH: SEE "TABLE 1";
- ELECTRICAL :
 - 3-1.CONTACT CURRENT RATING :
 - 5A(VBUS PIN 1.5A/PIN),
 - 5A(GND PIN 1.25A/PIN MAX),0.25A/PIN(OTHER PIN).
 - 3-2.INSULATION RESISTANCE :
 - 100 MEGAOHMS MIN. AT 250VDC.
 - 3-3.DIELECTRIC WITHSTANDING VOLTAGE :
 - 100VAC MIN.
 - 3-4.LOW LEVEL CONTACT RESISTANCE :
 - INITIAL 40mΩ MAX.
 - AFTER 50mΩ MAX.
- MECHANICAL CHARACTERISTICS :
 - 4-1. MATING FORCE: 5~20N.
 - 4-2. UNMATING FORCE: 8~20N(INITIAL),6~20N(AFTER 10000 CYCLES);
 - 4-3.DURABILITY : 10,000 MATING CYCLES.
 - 4-4.OPERATING TEMPERATURE :-40°C TO +80°C



TABLE 1:

| | | | | | |
|-----|------------|-----|-----------------|-----------------|----------|
| ⑥ | Shell-2 | 1 | Stainless steel | NI PLATING; | T=0.20mm |
| ⑤ | Shell-1 | 1 | Stainless steel | NI PLATING; | T=0.25mm |
| ④ | MID PLATE | 1 | Stainless steel | | T=0.15mm |
| ③ | Terminal-B | 8 | 铜镍硅合金 | Au:3u" PLATING; | T=0.15mm |
| ② | Terminal-A | 8 | 铜镍硅合金 | Au:3u" PLATING; | T=0.15mm |
| ① | Housing | 1 | HIGH TEMP | Black | |
| NO. | PART NAME | QTY | MATERIAL | DESCRIPTION | REMARK |

| | | | | | | | | | | | | | |
|---------|----------|------------------|------------------------|--------------|----------|-----|-----------------------|--|-------------|--|-------------------------|--|--|
| | | | 一般公差 GENERAL TOLERANCE | | 绘图 DR. | 李兴泽 | 料号 PART NO. | | 文件编号 NUMBER | | TERMINAL&CONNECTORS | | |
| | | | X.X ±0.30 | X' ±2' | 校对 CHK. | | W-UTP-CH228-FS10 | | ENDPT01 | | | | |
| | | | X.XX ±0.20 | X.X' ±1' | 审核 CHK. | | 品名 TITLE | | | | 比例 SCALE | | |
| | | | X.XXX ±0.10 | ▲ MAJOR DIM. | 核准 APPD. | | USB TYPE C 16 PIN 防水型 | | | | SHEET | | |
| A0 | 20.09.14 | 新图面发行 | 李兴泽 | | | | | | | | 版次 REV. | | |
| 版次 REV. | 日期 DATE | 变更内容 DESCRIPTION | 审核 CHK. | 核准 APPD. | 单位 UNIT | mm | | | | | 1/1 | | |