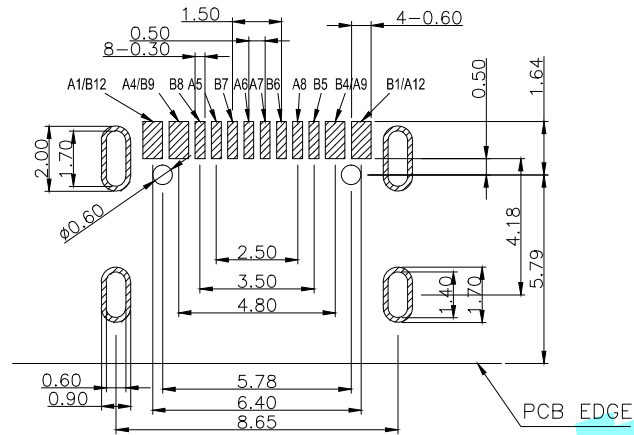
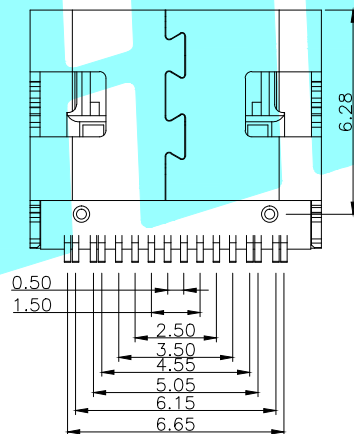
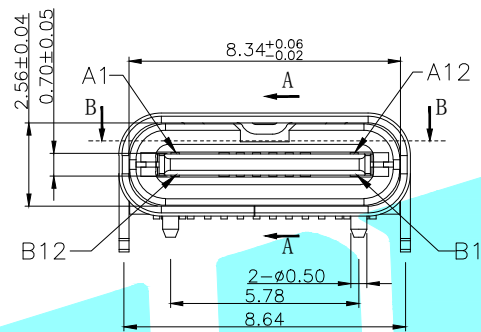
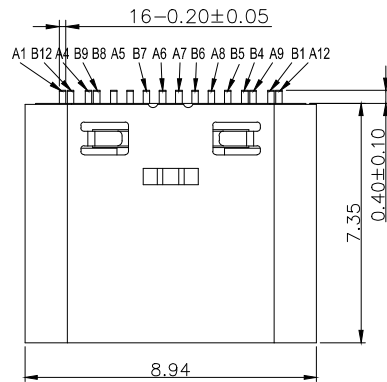
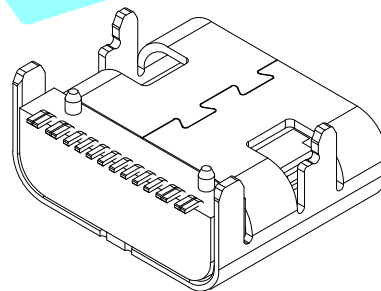
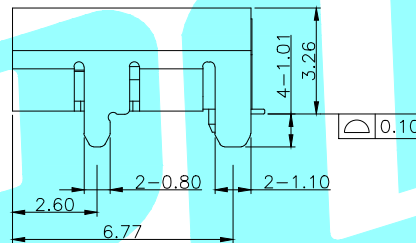


ROHS



RECOMMEND P.C.B LAYOUT (COMPONENT SIDE)  
TOLERANCE FOR PCB LAYOUT IS ± 0.05



NOTE:

- 1.MATERIAL SPECIFICATION:
  - 1.HOUSING: HIGH TEMPERATURE RESISTANT PLASTIC, UL94 V-0.
  - 2.CONTACTS: COPPER ALLOY
  - 3.MID PLATE: STAINLESS STEEL
- 2.PLATING SPECIFICATION:
  - 2-1.CONTACTS:  
Ni 50u" MIN. UNDER PLATED OVER ALL.  
Au PLATED ON THE FUNCTIONAL AREA OF CONTACT.  
(GOLD PLATING THICKNESS FOLLOW THE P/N)  
GOLD FLASH PLATING ON SOLDER AREA
  - 2-2.FRONT SHELL:  
Ni 30u" MIN. UNDER PLATED OVER ALL.
- 3.MECHANICAL PERFORMANCE,
  - 3-1.INSERTION FORCE: 0.5~2.0kgf.
  - 3-2.REMOVAL FORCE: 0.8kgf~2.0kgf.
  - 3-3.DURABILITY: 10000 CYCLES.
- 4.ELECTRICAL PERFORMANCE,
  - 4-1. CURRENT RATING: 5A  
VOLTAGE RATING: 20V
  - 4-2.INSULATION RESISTANCE: 100MΩ MIN
  - 4-3.DIELECTRIC WITHSTAND VOLTAGE, AC 100V FOR 1 MINUTE.
5. ENVIRONMENTAL PERFORMANCE:  
OPERATING TEMPERATURE: -30°C~+80°C.
- 6.IR REFLOW:  
THE PEAK TEMPERATURE ON THE BOARD SHALL BE MAINTAINED FOR 10 SECONDS AT 260°C.

|     |             |     |             |
|-----|-------------|-----|-------------|
| 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         |
| PIN | SIGNAL NAME | PIN | SIGNAL NAME |

|                |        |            |       |                                         |                  |            |                                                                                             |
|----------------|--------|------------|-------|-----------------------------------------|------------------|------------|---------------------------------------------------------------------------------------------|
| APPROVALS      |        | DATE       |       | <div>HRO®<br/>ELECTRONICS CO.,LTD</div> |                  |            |                                                                                             |
| DRAWN          | LIUCAN | 2020.12.08 |       |                                         |                  |            |                                                                                             |
| CHECKED        |        |            |       | TITLE:                                  | DETECTOR SWITCHS |            |                                                                                             |
| APPROVALS      |        |            |       | PART NO.                                | TYPE-C-31-M-12   |            |                                                                                             |
| TOLERANCES ARE |        | 30~以上      | ±0.30 | ANGLE                                   | UNIT: mm         | SCALE: 1:1 | PROJ:  |
|                |        | 10~30      | ±0.20 |                                         |                  |            |                                                                                             |
|                |        | 5~10       | ±0.15 |                                         |                  |            |                                                                                             |
|                |        | ~ 5        | ±0.10 |                                         |                  |            |                                                                                             |
|                |        | ±2°        |       | DRAWING NO.                             |                  |            | SHEET 1 OF 1                                                                                |

| ECN NO. | REV. | DATE. | DESCRIPTION. | CHANGE. | CHECK. | APPRO. |
|---------|------|-------|--------------|---------|--------|--------|
|         | A    |       | NEW          |         |        |        |