

1
2
3
4
5

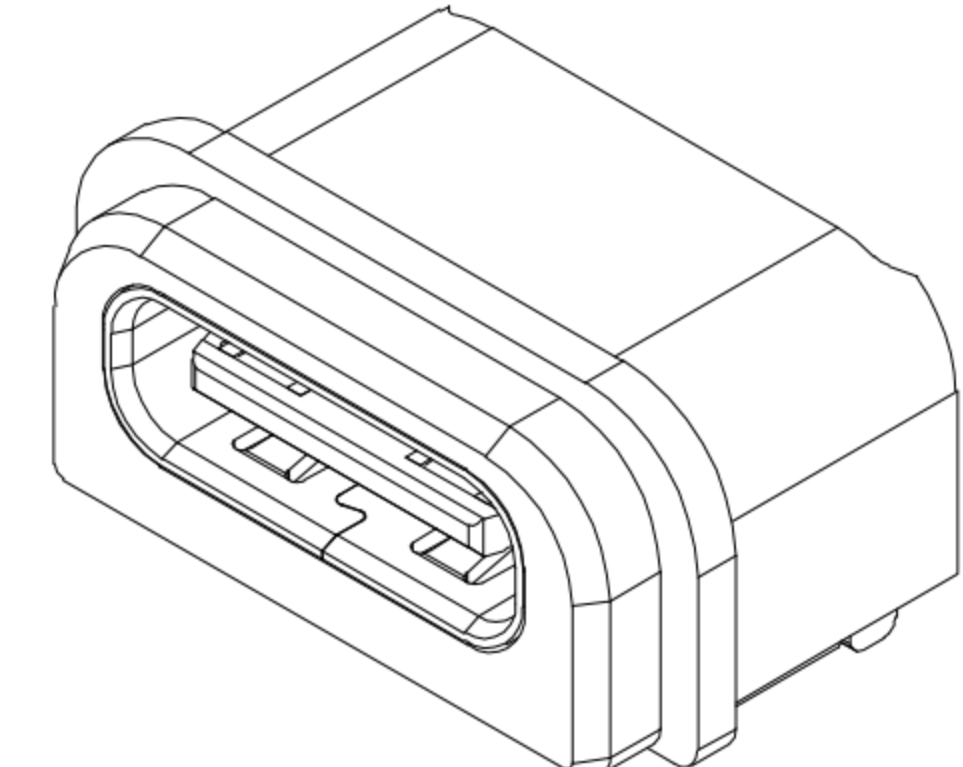
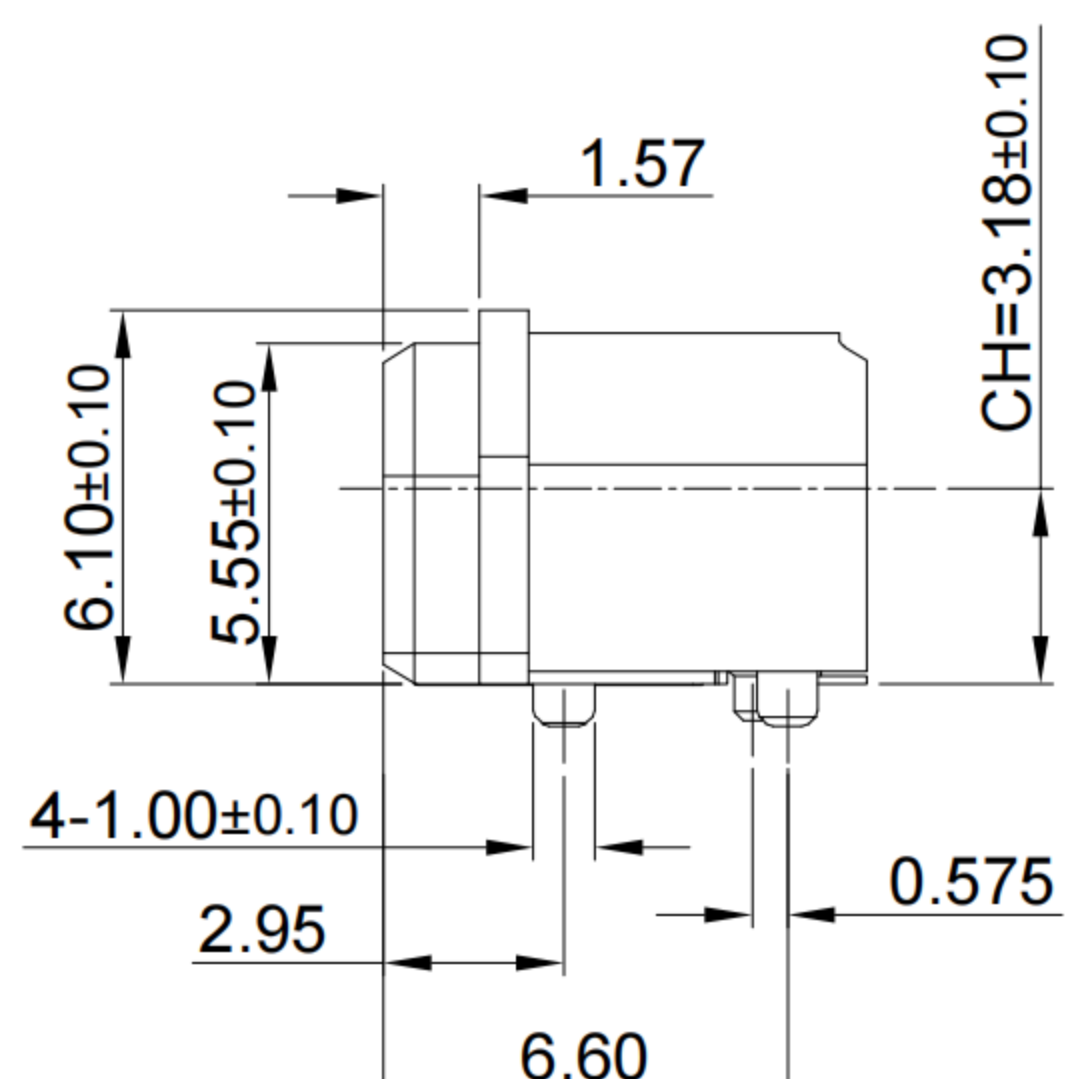
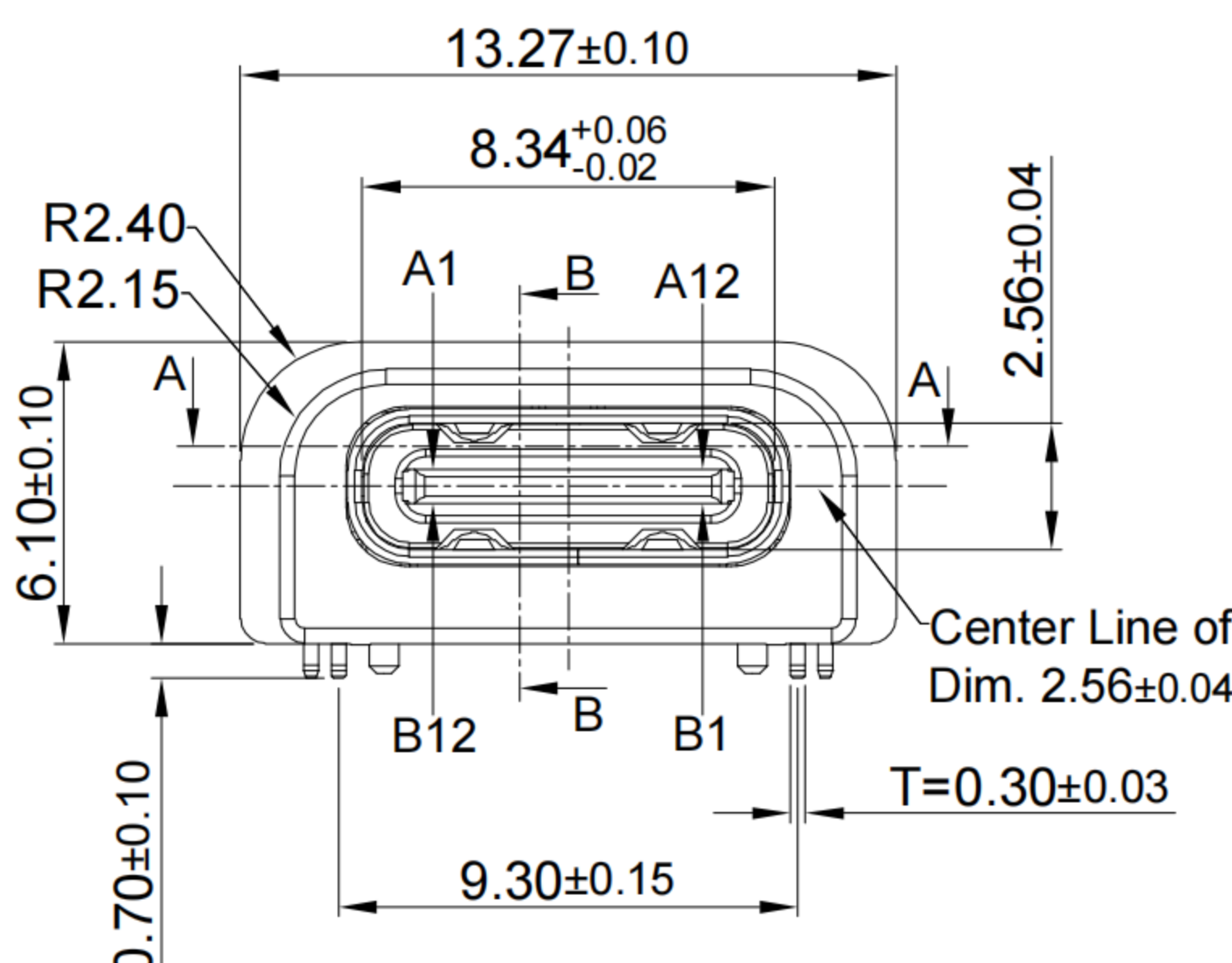
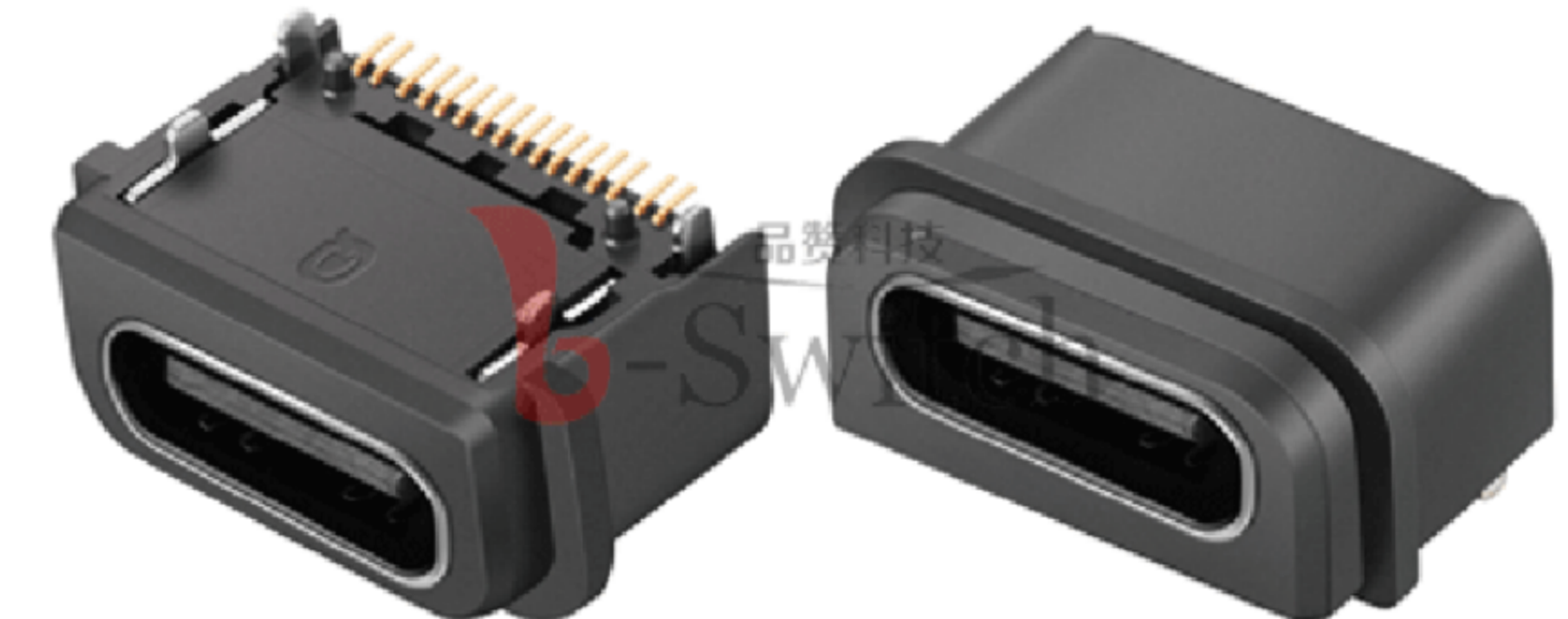
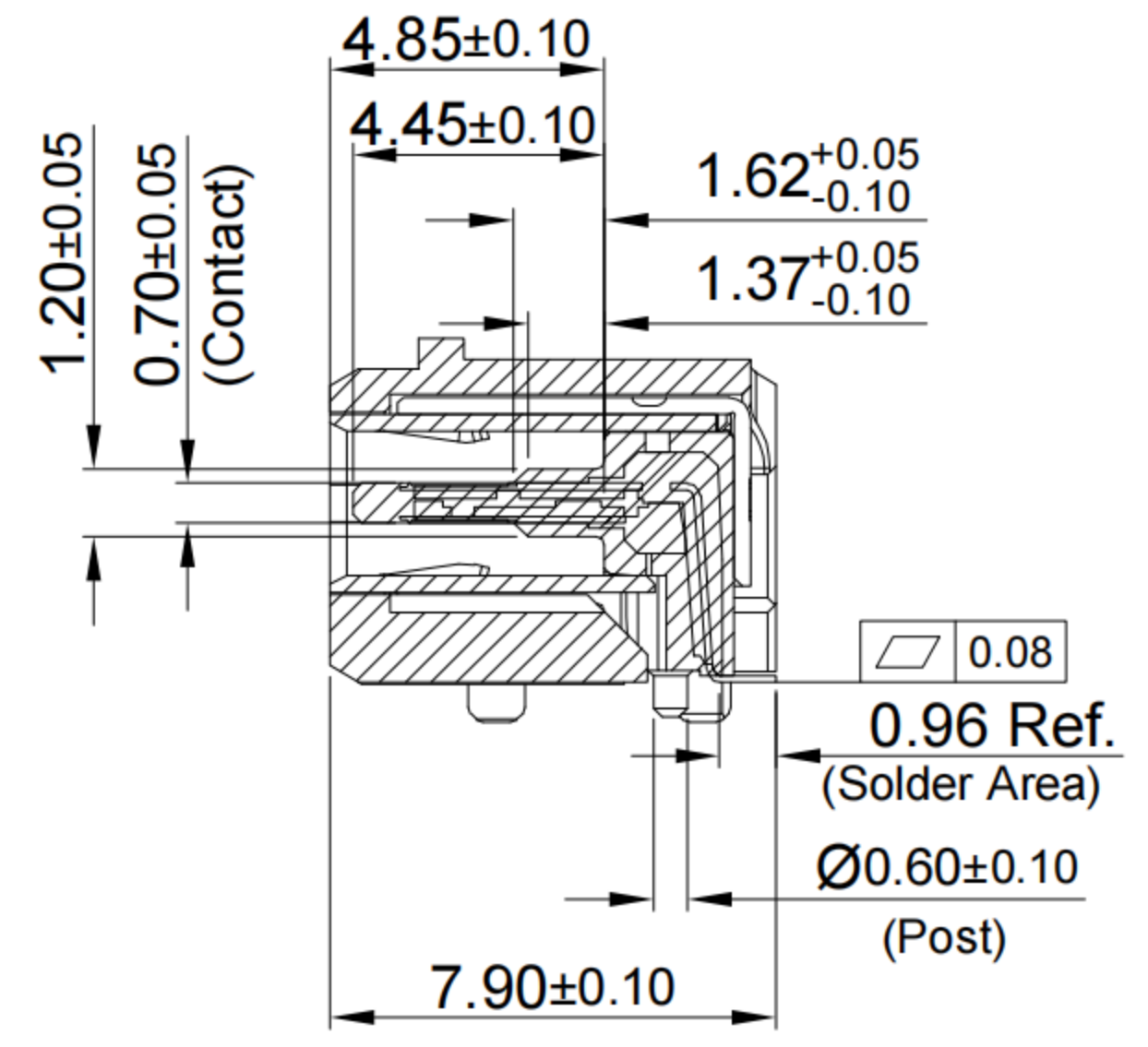
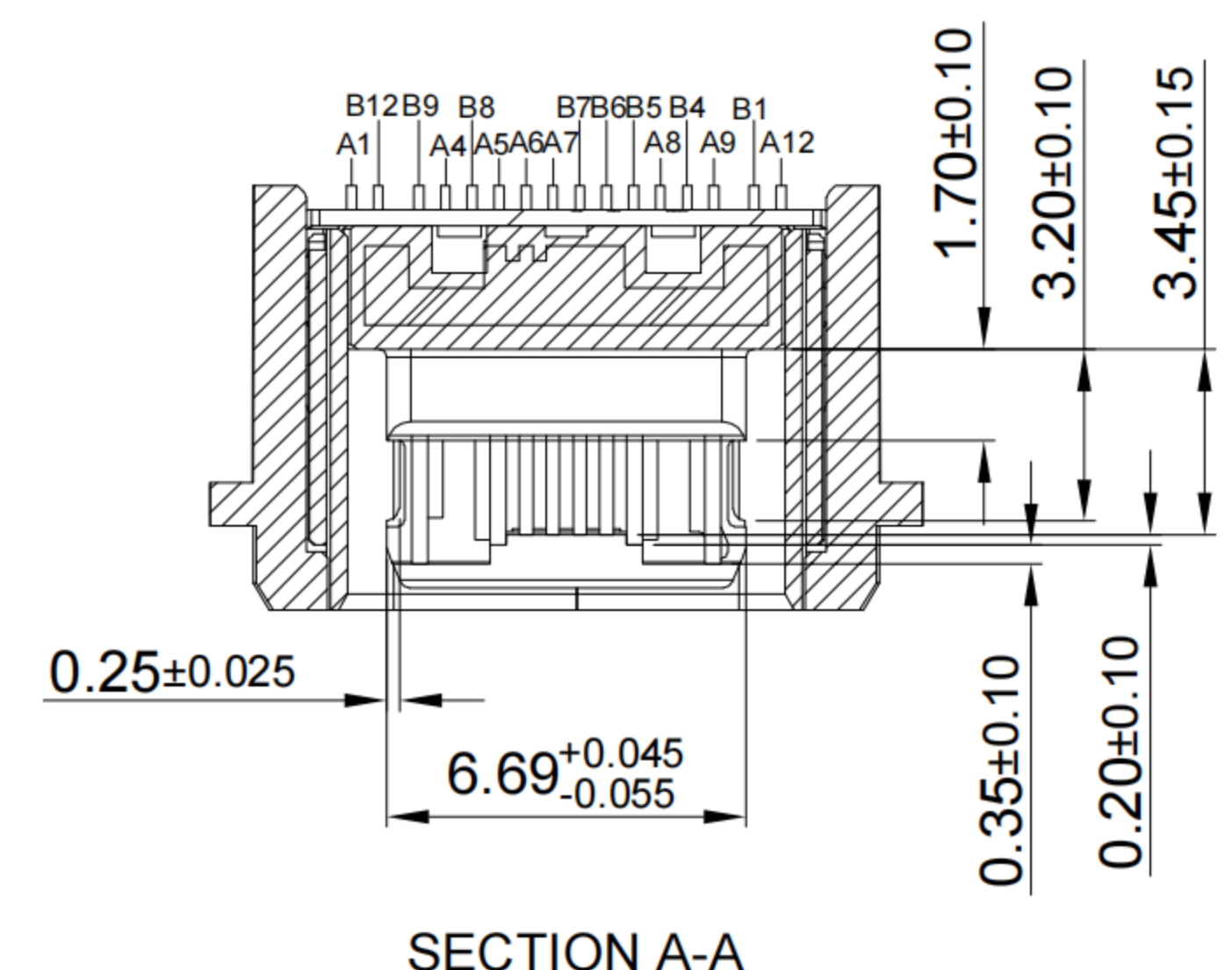
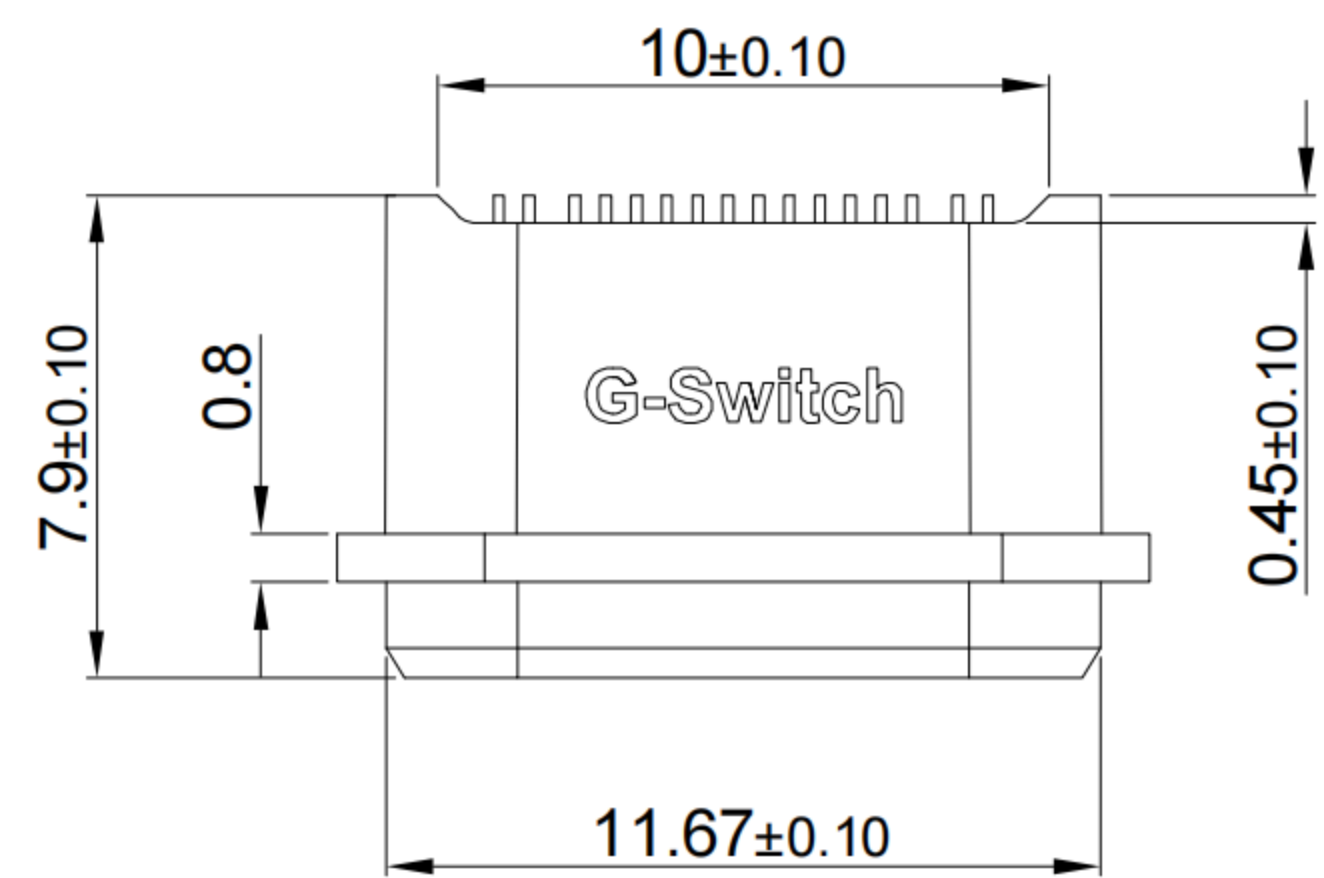
A

B

C

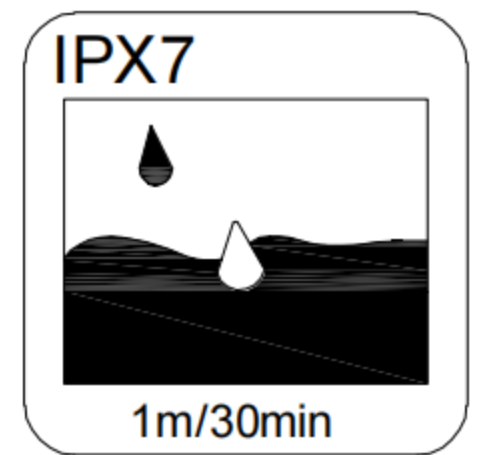
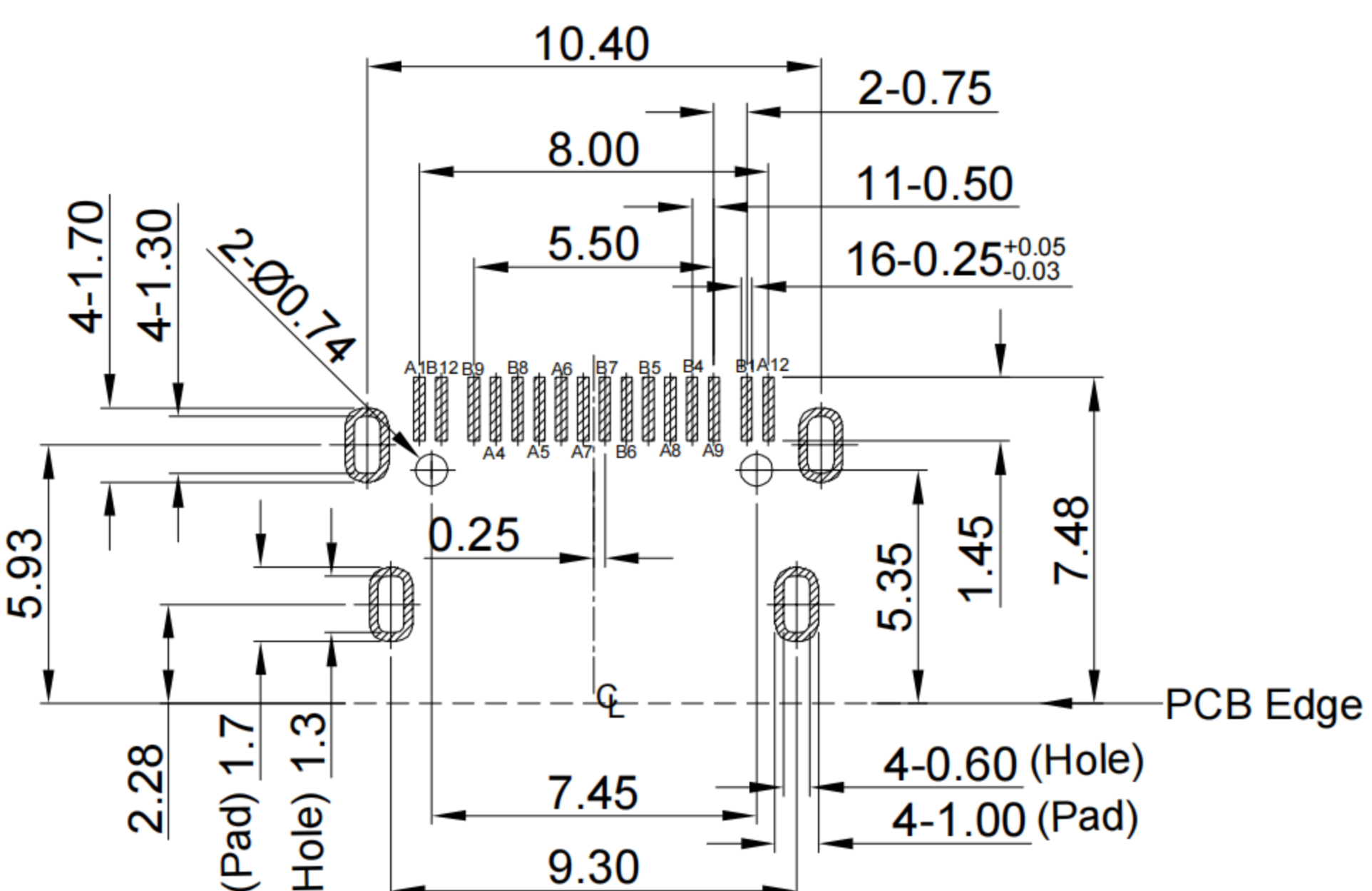
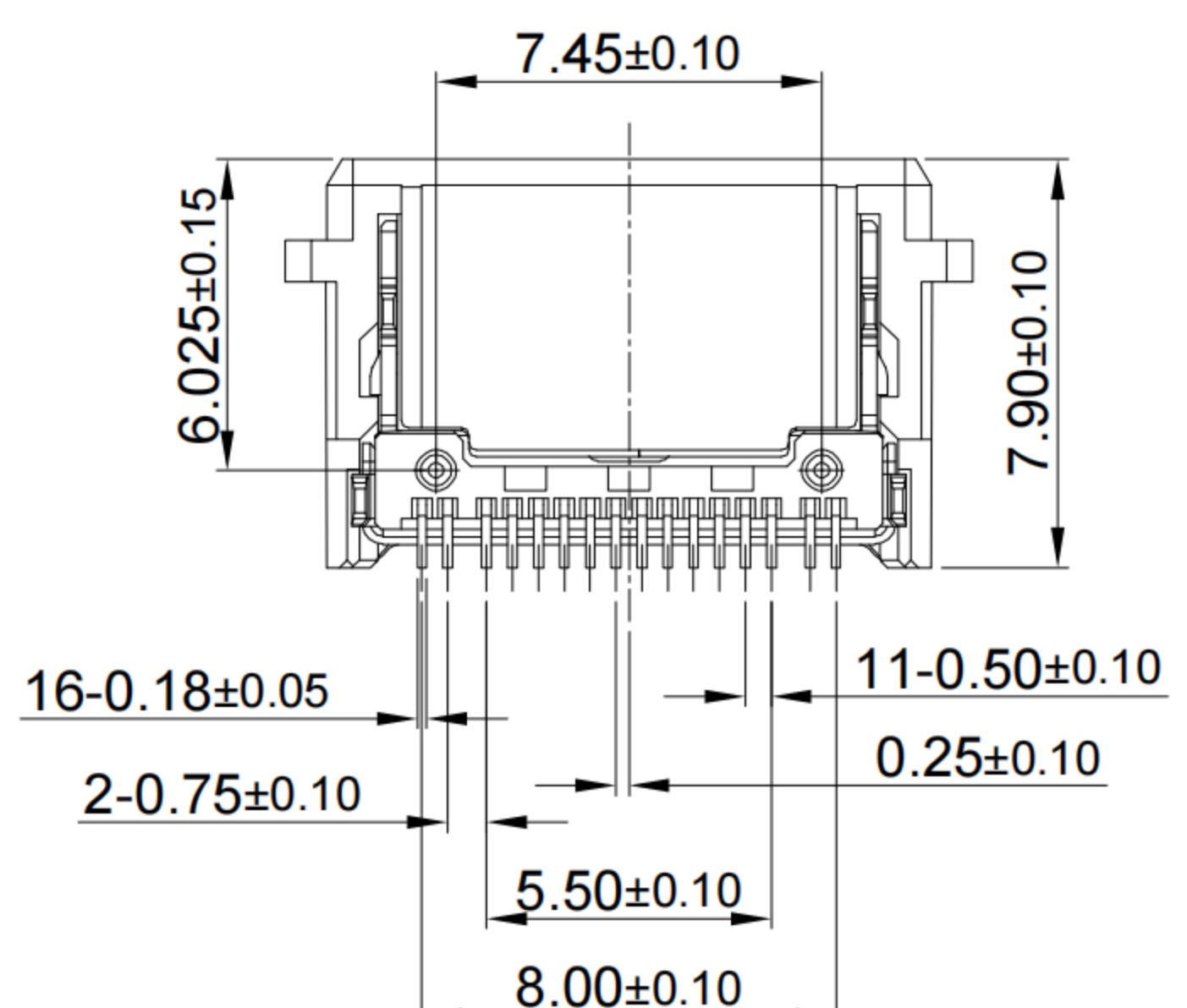
D

E



G-Switch USB-C Specification:

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N
- Durability cycle: 10,000 cycles
- Waterproof grade: IP-X7



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

| | | | |
|-----|-------------------|--------------------------|----------------------------|
| 1 | OUTER SHELL | STAINLESS STEEL | Ni PLATED |
| 2 | INNER SHELL | STAINLESS STEEL | Ni PLATED |
| 3 | MID PLATE | STAINLESS STEEL | -- |
| 4 | INSULATION JACKET | HIGH TEMPERATURE PLASTIC | LCP BLACK UL 94 V-0 |
| 5 | HOUSING | HIGH TEMPERATURE PLASTIC | LCP BLACK UL 94 V-0 |
| 6 | TERMINALS | COPPER ALLOY | Au PLATING ON CONTACT AREA |
| NO. | PARTS | MATERIAL | REMARKS |

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



SCALE: 1:1 UNIT: mm
 SIZE: A4
 Unless otherwise General Tolerance:
 X. ±0.25
 X.x ±0.20
 X.xx ±0.15
 X.xxx ±0.10
 X° ±5°

Title: Horizontal Type-c 16P Female
 SMT CH=3.18 L=7.9mm
 Molde Code: GT-USB-7043A
 DRAWN: Xia CHECKED: Chen APPROVED: Chen DATE: 2023.02.01



REV: A0 SHEET: 1/1