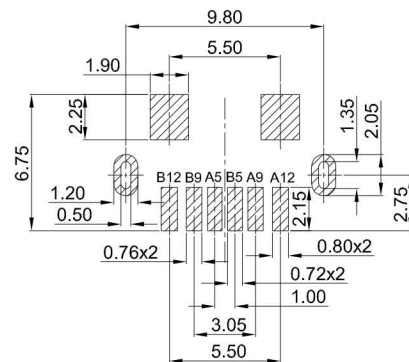
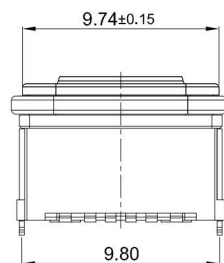
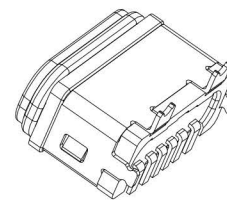


### G-Switch USB-C Specification:

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



RECOMMENDED PCB LAYOUT  
TOLERANCE: ±0.05



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

| NO. | TERMINALS       | COPPER ALLOY             | Au PLATING ON CONTACT AREA |
|-----|-----------------|--------------------------|----------------------------|
| 1   | HOUSING         | HIGH TEMPERATURE PLASTIC | BLACK UL 94 V-0            |
| 2   | SHELL           | STAINLESS STEEL          | NI PLATED                  |
| 3   | MID PLATE       | STAINLESS STEEL          | ---                        |
| 4   | WATERPROOF RING | SILICA GEL               | ORANGE                     |
| NO. | PARTS           | MATERIAL                 | REMARKS                    |



|                                     |          |                                                 |         |          |            |
|-------------------------------------|----------|-------------------------------------------------|---------|----------|------------|
| SCALE: 3:1                          | UNIT: mm | Title: Vertical Type-c 6P Female<br>SMT H=6.8mm |         |          |            |
| SIZE: A4                            |          | Molde Code: GT-USB-7083A01                      |         |          |            |
| Unless otherwise General Tolerance: |          | DRAWN                                           | CHECKED | APPROVED | DATE       |
| X. ±0.40                            |          | Xia                                             | Chen    | Chen     | 2023.06.29 |
| X.x ±0.30                           |          |                                                 |         |          |            |
| X.xx ±0.20                          |          |                                                 |         |          |            |
| X.xxx ±0.10                         |          |                                                 |         |          |            |
| Angles ±5°                          |          |                                                 |         |          |            |



REV: A0 SHEET: 1/1