



**G-Switch USB-C Specification:**

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

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



|                                     |          |  |            |
|-------------------------------------|----------|--|------------|
| SCALE: 1:1                          | UNIT: mm | Title: Horizontal Type-c 16P Female Sinker0.54 CH=1.05 L=6.5mm |            |
| SIZE: A4                            |          | Molde Code: GT-USB-7014E                                       |            |
| Unless otherwise General Tolerance: |          | DRAWN  | CHECKED    |
| X.                                  | ±0.25    | Xia  | Chen       |
| X.x                                 | ±0.20    | APPROVED   | DATE       |
| X.xx                                | ±0.15    | Chen   | 2023.02.10 |
| X.xxx                               | ±0.10    |  |            |
| X°                                  | ±5°      |  |            |

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**b-Switch**

REV: A0 SHEET: 1/1

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