



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
- Data transmission rate up to 5Gbp/s

| | | | | | | | | | | | |
|-------|-----|-----|-------|--------|--------|--------|--------|-------|-----|-----|-------|
| 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 | COVER SHELL | STAINLESS STEEL | NI PLATED |
| 2 | SHELL | STAINLESS STEEL | NI PLATED |
| 3 | GND PLATE | STAINLESS STEEL | --- |
| 4 | MID PLATE | STAINLESS STEEL | NI PLATED |
| 5 | HOUSING | HIGH TEMPERATURE PLASTIC | Black UL 94 V-0 |
| 6 | TERMINALS | COPPER ALLOY | Au PLATING ON CONTACT AREA |
| NO. | PARTS | MATERIAL | REMARKS |



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
Pad up CH=4.0 L=10.48mm

Molde Code: GT-USB-7029DB

| | | | |
|-------|---------|----------|------------|
| DRAWN | CHECKED | APPROVED | DATE |
| Xia | Chen | Chen | 2023.02.01 |



REV: A0 SHEET: 1/1