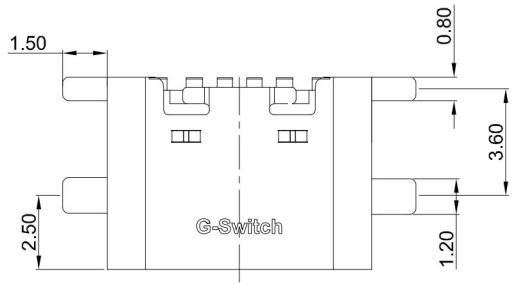
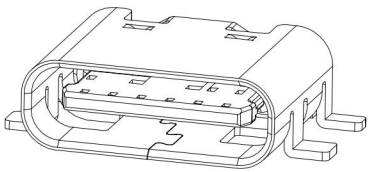
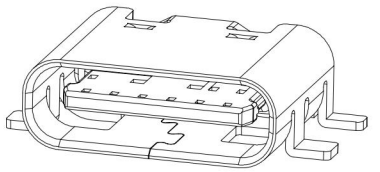
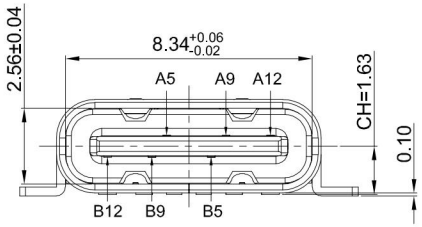
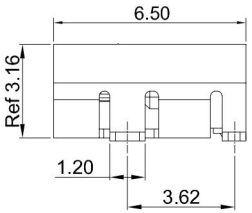
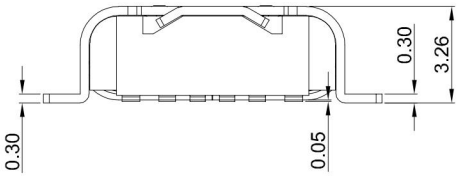




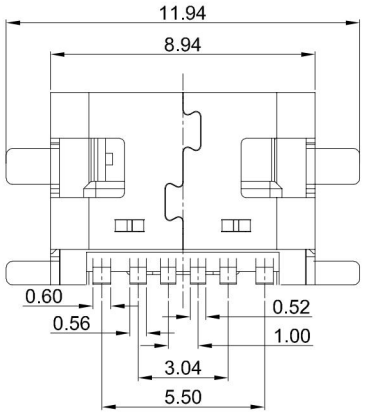


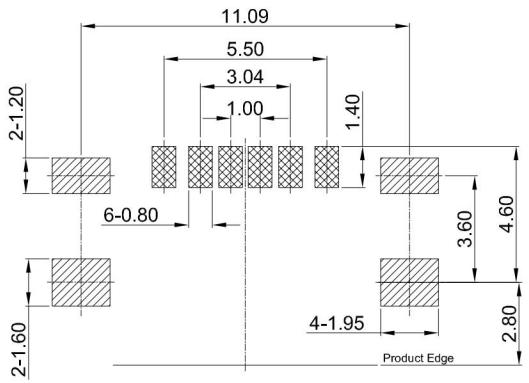




**G-Switch USB-C Specification:**

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:5000 cycles




RECOMMENDED P.C.B. LAYOUT
TOLERANCE ±0.05mm

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GND | | | VBUS | | | | CC2 | | | | |
| First | | | First | | | | Second | | | | |

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

Pb Process Capable
RoHS Compliant EU RoHS Standards
HALOGEN Compliant Halogen Free

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 6P Female SMT CH=1.63 L=6.5mm

Molde Code: GT-USB-7002D01

| DRAWN | CHECKED | APPROVED | DATE |
|---|---|---|---|
| Xia | Chen | Chen | 2023.02.31 |

品赞科技 G-Switch www.dg-switch.com

REV: A0 SHEET: 1/1