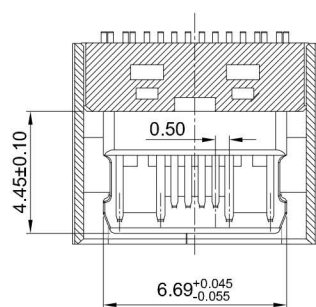
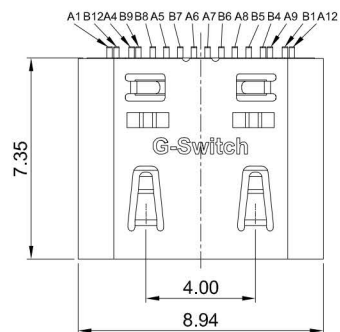
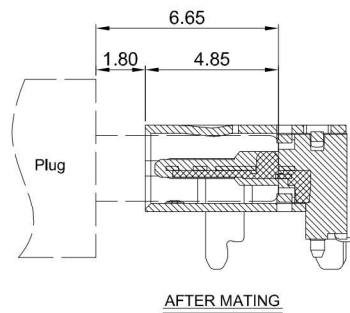
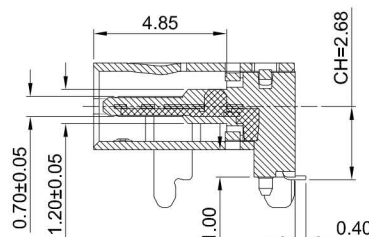
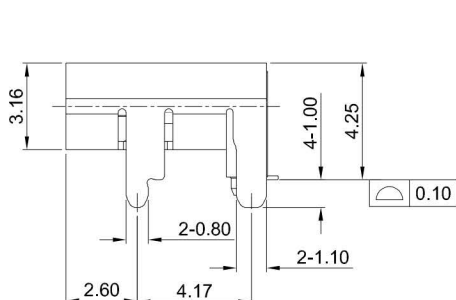
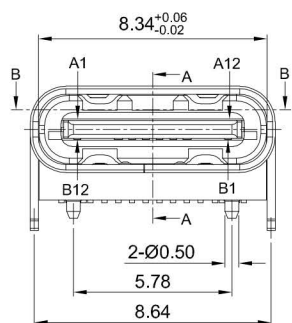




SECTION B-B



AFTER MATING



SECTION A-A

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

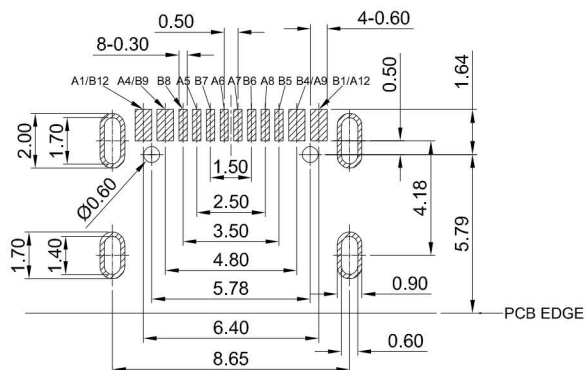
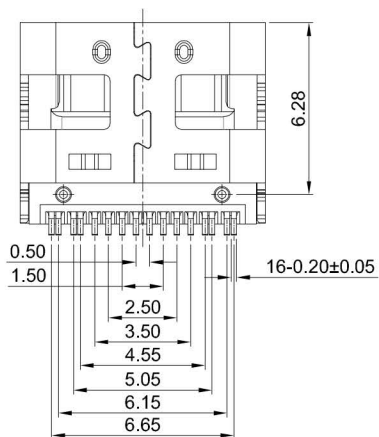
1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
9. Compliant with: IEC62680-1-3

USB IF TID:13879

| 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 |

RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05SCALE: 1:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X.x ±0.30  
X.xx ±0.20  
X.xxx ±0.10  
X.x" ±3°  
X.xx" ±2°

Title: Horizontal Type-c 16P Female SMT  
Pad Up1.0 CH=2.68 L=7.35mm

Molde Code: GT-USB-9010D

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

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**b-Switch**  
www.dg-switch.com

REV: A0 SHEET: 1/1

| NO. | PARTS     | MATERIAL                 | REMARKS                                                        |
|-----|-----------|--------------------------|----------------------------------------------------------------|
| 1   | SHELL     | STAINLESS STEEL304       | Ni30u"MIN PLATED                                               |
| 2   | MID PLATE | STAINLESS STEEL301       | —                                                              |
| 3   | HOUSING   | HIGH TEMPERATURE PLASTIC | LCP BLACK UL 94 V-0                                            |
| 4   | TERMINALS | COPPER ALLOY C2680       | Au1u"MIN PLATING ON CONTACT AREA<br>G/F PLATING ON SOLDER AREA |



**RoHS**  
Compliant  
EU RoHS Standards

