

1

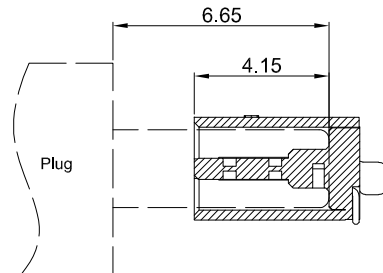
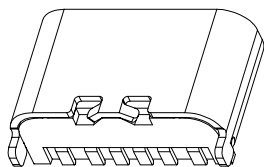
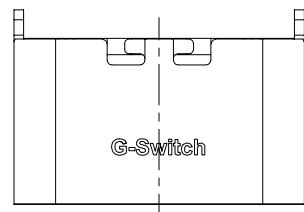
2

3

4

5

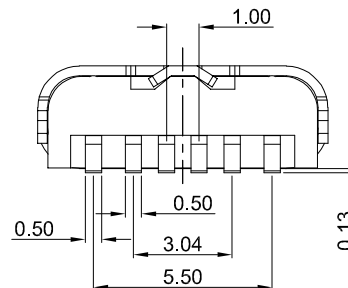
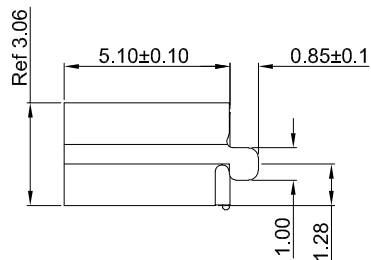
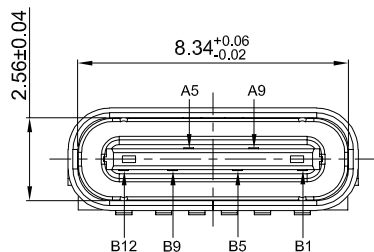
A



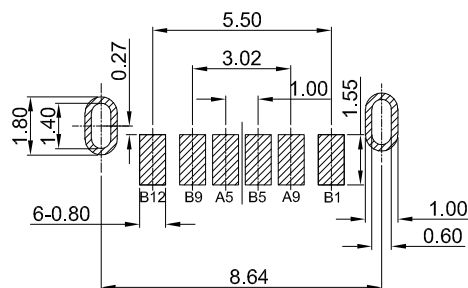
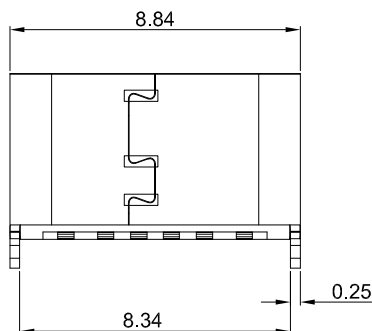
AFTER MATING



B



C



PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05

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

- 1.Current rated: 3A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 5V 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,after durability test: 6N~20N
- 8.Durability cycle: 5,000 cycles

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

D

E

1	SHELL	STAINLESS STEEL	NI PLATED
2	MID PLATE	STAINLESS STEEL	-
3	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY	Au1u" PLATING ON CONTACT AREA Tin PLATING ON SOLDER AREA
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1 UNIT: mm

SIZE: A4

Unless otherwise  
General Tolerance:  
X.           ±0.40  
X.x         ±0.30  
X.xx        ±0.20  
X.xxx       ±0.10  
X\*          ±5°

Title: Vertical Type-c 6P Female  
SMT H=5.1mm

Molde Code: GT-USB-7060A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.12.02



REV: A1 SHEET: 1/1

1

2

3

4

5

A

B

C

D

E