



**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
- Waterproof grade: IP-X7

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				

RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05

1	SHELL	ZINC ALLOY	Ni PLATED
2	MID PLATE	STAINLESS STEEL	--
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C2680	Au PLATING ON CONTACT AREA
5	WATERPROOF RING	SILICONE	RED
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1 UNIT: mm  
SIZE: A4

Unless otherwise General Tolerance:  
X.x ±0.20  
X.xx ±0.15  
X.xxx ±0.10  
X° ±3°

Title: Horizontal Type-c 6P Female  
Mid-Mount 0.8 CH=0.8 L=6.7mm

Molde Code: GT-USB-7008A01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.31



REV: A0 SHEET: 1/1