



**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

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: ±0.05

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



SCALE: 1:1	UNIT: mm	Title: Vertical Type-c 16P Female	
SIZE: A4		SMT H=10.0mm	
Unless otherwise General Tolerance:		Molde Code: GT-USB-7082C	
X.x	±0.30	DRAWN	DATE
X.xx	±0.15	CHECKED	
X.xxx	±0.10	APPROVED	
X°	±5°		
X.x°	±2°		
		Xia	2023.02.01



REV: A0 SHEET: 1/1

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