



**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

SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 16P Female SMT CH=1.68 L=7.35mm	
SIZE: A4		Molde Code: GT-USB-7010A	
Unless otherwise General Tolerance:		DRAWN	CHECKED
X.	±0.25	Xia	Chen
X.x	±0.20	APPROVED	DATE
X.xx	±0.15	Chen	2023.02.01
X.xxx	±0.10	REV: A0	
X°	±5°	SHEET: 1/1	

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

