

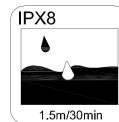
RECOMMENDED PCB LAYOUT  
TOLERANCE:±0.05

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

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 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
- 8.Durability cycle:10,000 cycles
- 9.Data transmission rate up to 5Gbp/s
- 10.Waterproof grade: IP-X8

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

1	CAP	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
2	SHELL	STAINLESS STEEL(SUS304)	Ni PLATED
3	MID PLATE	STAINLESS STEEL(SUS301)	---
4	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY(C7025)	Au PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1	UNIT: mm	Title: Vertical Type-c 24P Female SMT H=8.5mm			
SIZE: A4		Molde Code: GT-USB-7096A			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X.x	±0.30	Xia	Chen	Chen	2023.02.01
X.xx	±0.20				
X.xxx	±0.10				
X*	±3°				



REV: A0 SHEET: 1/1