



G-Switch USB-C Specification:

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V 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
- 8.Durability cycle:10,000 cycles
- 9.Data transmission rate up to 40Gbp/s

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

NO.	PARTS	MATERIAL	REMARKS
1	OUTER SHELL	STAINLESS STEEL SUS304	Ni PLATED
2	INNER SHELL	STAINLESS STEEL SUS304	Ni PLATED
3	MID PLATE	STAINLESS STEEL SUS301	Ni PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	PA9T BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY C18140	Au PLATING ON CONTACT AREA



SCALE: 1:1 UNIT: mm
 SIZE: A4

Unless otherwise General Tolerance:
 X. ±0.30
 X.x ±0.25
 X.xx ±0.20
 X.xxx ±0.15
 X° ±1°

Title: Horizontal Type-c 24P Female SMT Sink1.08 CH=0.5 L=8.21mm

Molde Code: GT-USB-7087A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

