



**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
- Data transmission rate up to 10Gbp/s

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX+	TX-	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	RX+	RX-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

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

**RECOMMENDED PCB LAYOUT**  
TOLERANCE: ±0.05

**RoHS**  
Compliant  
EU RoHS Standards

SCALE: 1:1    UNIT: mm  
 SIZE: A4

Title: Horizontal Type-c 24P Female Sinker 1.9 CH=0.4 L=10.30mm

Molde Code: GT-USB-7005A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

Unless otherwise General Tolerance:  
 X. ±0.25  
 X.x ±0.20  
 X.xx ±0.15  
 X.xxx ±0.10  
 X° ±5°

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REV: A0	SHEET: 1/1
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