



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

1. Current rated 3A on Vbus  
1.25A on Vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact Resistance: 40mΩ Max
5. Insulation Resistance: 100MΩ Min
6. Operating temperature: -40 °C ~ +85 °C
7. Mating force : 5N~20N
8. Unmating force: 8N~20N
9. Durability Cycle: 10,000 Cycle

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 P.C.B. Layout  
Thickness 0.80MM; Default Tolerance: ±0.05

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



SCALE: 4:1 UNIT: mm  
SIZE: A4

Unless otherwise  
General Tolerance:  
X. ±0.20  
X.x ±0.15  
X.xx ±0.10  
X.xxx ±0.05  
Angles ±3°

Title: Horizontal Type-c 16P Female Short edition  
SMT CH=1.68 L=7.35mm Black Plastic

Molde Code: GT-USB-7010ASV

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.04



REV: A0 SHEET: 1/1

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