



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.Waterproof grade: IP-X5
- 10.Compliant with: IEC62680-1-3

USB IF TID:12863

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

PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

1	COVER SHELL	STAINLESS STEEL	Ni 30u" Min PLATED
2	SHELL	STAINLESS STEEL	Ni 30u" Min PLATED
3	EMI	STAINLESS STEEL	-
4	MID PLATE	STAINLESS STEEL	Ni PLATED
5	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
6	TERMINALS	COPPER ALLOY C7025	Au 1u" Min PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1 UNIT: mm

SIZE: A4

Unless otherwise General Tolerance:

X.	±0.40
X.x	±0.30
X.xx	±0.20
X.xxx	±0.10
X"	±5°

Title: IPX5 Horizontal Type-C 16P Female
SMT CH=1.68 L=5.4mm

Molde Code: GT-USB-9079C01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10

品赞科技
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REV: A0 SHEET: 1/1