

1 2 G-Switch Technology (Dongguan) Co., Ltd 4 5

A B 品赞电子(东莞)有限公司 D E

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,after durability test: 6N~20N
- 8.Durability cycle:10,000 cycles
- 9.Compliant with: IEC62680-1-3

PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

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

1	SHELL	STAINLESS STEEL201	Ni30u" MIN PLATED
2	MID PLATE	STAINLESS STEEL201	--
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C2680	Au1u" PLATING ON CONTACT AREA G/F PLATING ON SOLDER 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: Horizontal Type-C 16P Female
SMT CH=1.87 L=9.17mm

Molde Code: GT-USB-9107C

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.11.13

REV: A0 SHEET: 1/1

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