

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

A B 品赞电子(东莞)有限公司 D E

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AFTER MATING

PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05

DETAIL C

**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
- Waterproof grade: IP-X8
- Compliant with: IEC62680-1-3

USB IF TID:14746

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

9	EMI	SUS301	Ni30u"MIN PLATED
8	ADHESIVE	EPOXY RESIN	BLACK
7	WATERPROOF RING	SILIGA GEL	A:60 BLACK
6	INSIDE PLATE	SUS304	--
5	OUT SHELL	SUS304	Ni30u"MIN PLATED
4	INNER SHELL	SUS316	--
3	MID PLATE	SUS301	--
2	TERMINALS	COPPER ALLOY C7025	Au3u"MIN PLATING ON CONTACT AREA Au1u"MIN PLATING ON SOLDER AREA
1	HOUSING	PA9T	BLACK UL 94 V-0
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: IPX8 Horizontal Type-C 16P Female  
SMT CH=1.5 L=8.6mm

Molde Code: GT-USB-9045E

DRAWN	CHECKED	APPROVED	DATE
Xla	Chen	Chen	2024.03.10

REV: A0 SHEET: 1/1

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