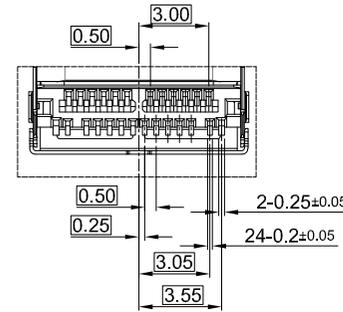


PCB REFERENCE DIAGRAM  
TOLERANCE:±0.05



DETAIL C

**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.Data transmission rate up to 10Gbps
- 10.Waterproof grade: IP-X8.
- 11.Compliant with: IEC62680-1-3

**USB IF TID:13853**

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	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	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	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 24P Female  
SMT CH=1.5 L=7.5mm

Molde Code: GT-USB-9045A01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10



REV: A0	SHEET: 1/1
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