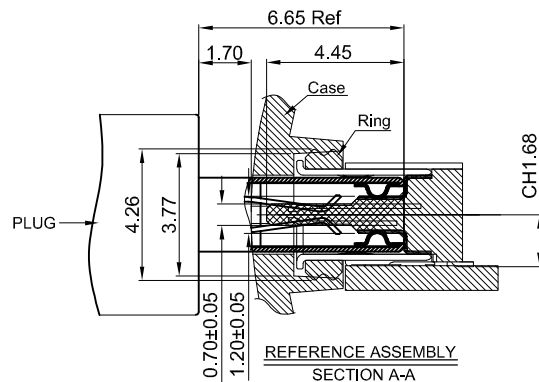
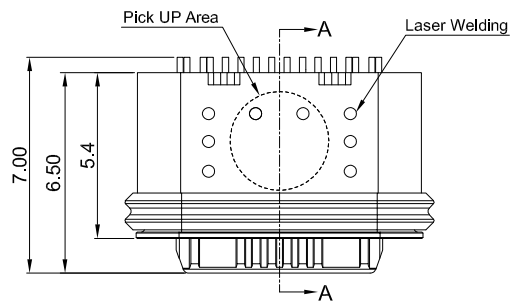
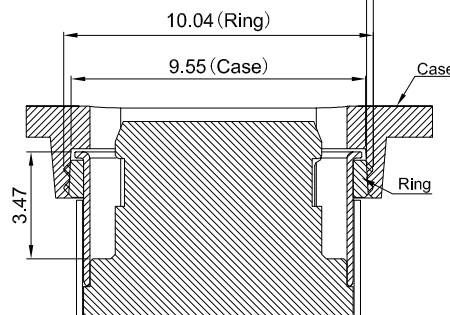




REFERENCE ASSEMBLY
SECTION A-A

0.22(compression amount)



ASSEMBLY DIAGRAM

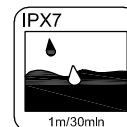


G-Switch USB-C Specification:

- 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-X7
- 10.Compliant with: IEC62680-1-3

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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL	SUS304 Ni PLATED
2	MID PLATE	STAINLESS STEEL	SUS304 NO PLATED
3	EMI	STAINLESS STEEL	SUS316 NO PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	PA9T BLACK UL 94 V-0
5	CONTACT	COPPER ALLOY(C7025)	Au1u" PLATING ON CONTACT AREA
6	WATERPROOF RING	SILICA GEL	LIM



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: IPX7 Horizontal Type-C 16P Female
SMT CH=1.68 L=5.4mm

Molde Code: GT-USB-9079D

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2025.05.09



REV: A0 SHEET: 1/1