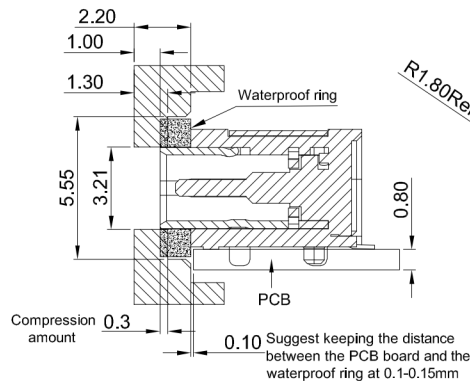
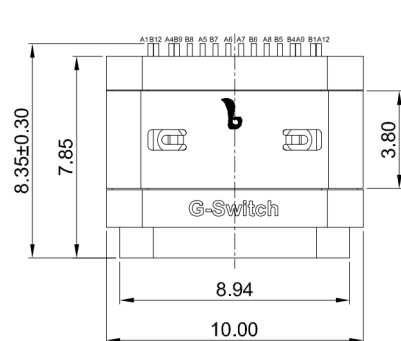




R1.80Ref.

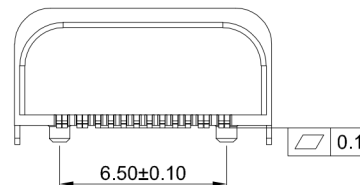
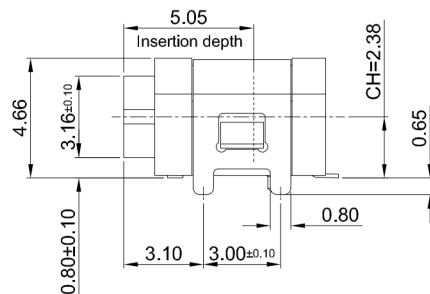
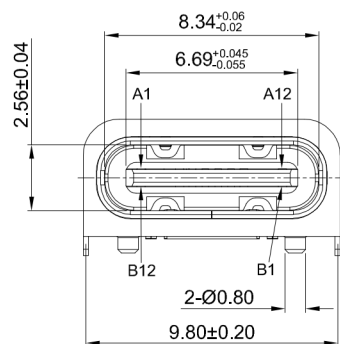
10.85 Ref.

7.85
1.20Ref.

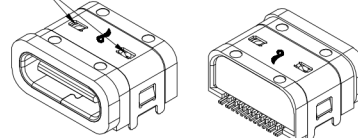
With Ring Rectangle



AFTER MATING



Add glue

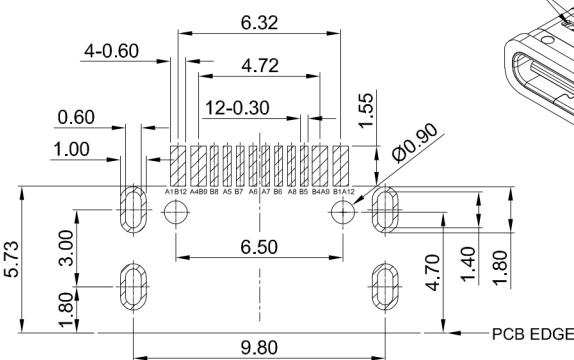
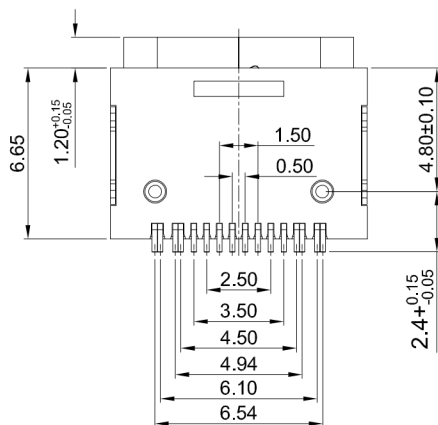
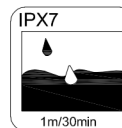
**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
10. Waterproof grade: IP-X7.
11. Compliant with: IEC62680-1-3

USB IF TID:13112

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

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

NO.	PARTS	MATERIAL	REMARKS
1	COVER	STAINLESS STEEL	Ni30u"MIN PLATED
2	SHEATH	HIGH TEMPERATURE PLASTIC	PA46 BLACK UL 94 V-0
3	MID PLATE	STAINLESS STEEL	—
4	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY C7025	Au1u"MIN PLATING ON CONTACT AREA

RoHS
Compliant
EU RoHS StandardsSCALE: 1:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X..x ±0.30
X..xx ±0.20
X..xxx ±0.10
X..x" ±3°
X..xx" ±2°Title: IPX7 Horizontal Type-c 16P Female
SMT CH=2.38 L=7.85mm

Molde Code: GT-USB-9070B

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

REV: A0 SHEET: 1/1