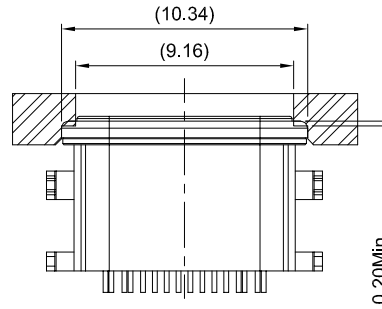
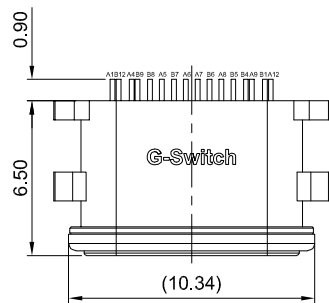
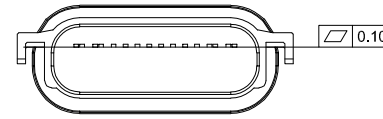
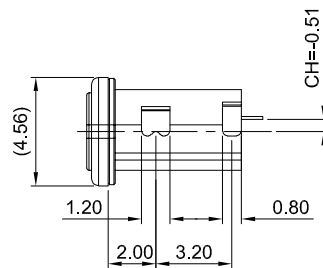
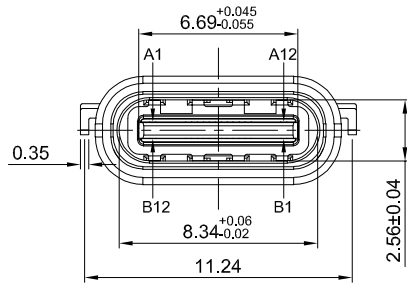
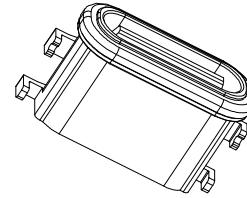




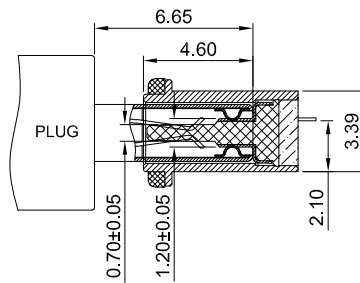
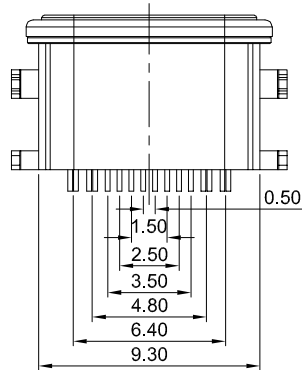
REFERENCE ASSEMBLY

It is recommended to reduce the thickness of the waterproof ring by 30~40%

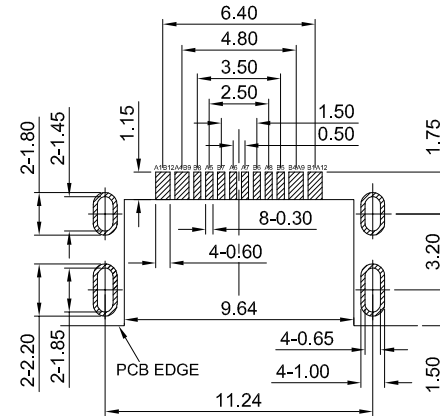
**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 20V AC/DC
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, after durability test: 6N~20N
9. Durability cycle: 10,000 cycles
10. Waterproof grade: IP-X7
11. Compliant with: IEC62680-1-3

USB IF TID:16096



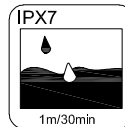
AFTER MATING

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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL 304	Ni PLATED
2	EMC	STAINLESS STEEL 304	-
3	MID PLATE	STAINLESS STEEL 301	-
4	HOUSING	PA9T	BLACK UL 94V-0
5	TERMINALS	COPPER ALLOY C2680	Au1μ" PLATED ON CONTACT AREA Au1μ" PLATED ON SOLDER AREA
6	RING	UV	RED



SCALE: 1:1	UNIT: mm	Title: Horizontal Type-C 16P Female SMT Mid-Mount2.10 CH=0.51 L=6.5mm			
SIZE: A4		Molde Code: GT-USB-9117D-01			
Unless otherwise General Tolerance: X. ±0.40 X.x ±0.30 X.xx ±0.20 X.xxx ±0.10 X" ±5°					
		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2024.03.10



REV: A0 SHEET: 1/1