

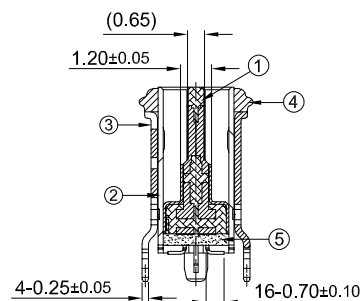
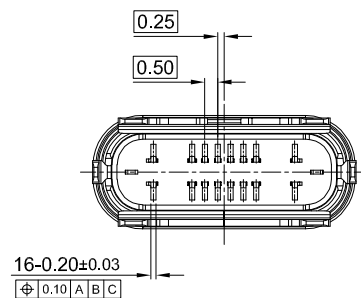
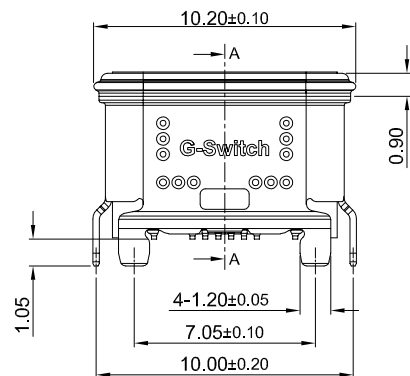
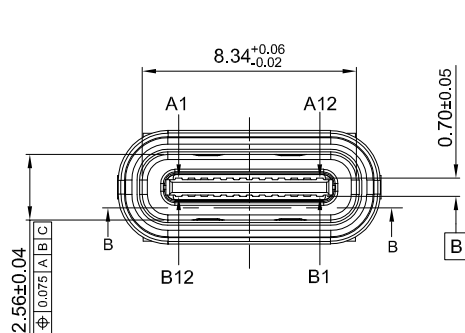
A

B

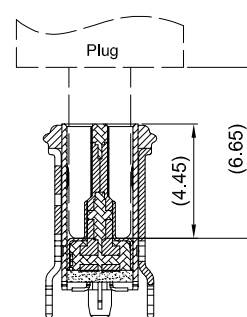
C

D

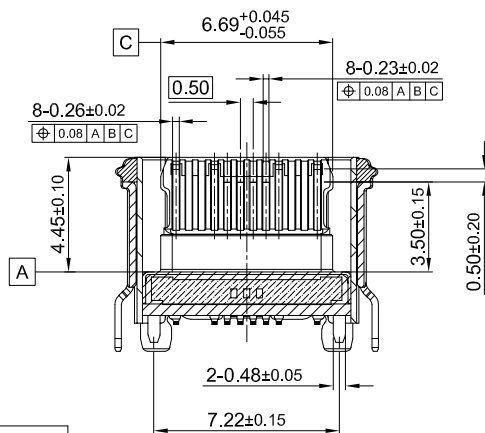
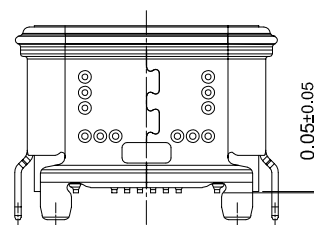
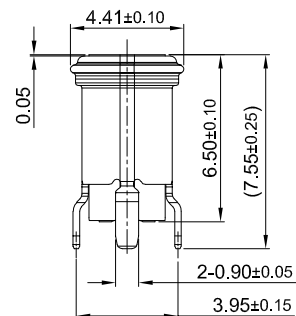
E



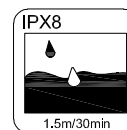
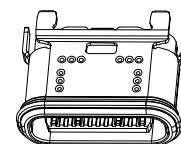
SECTION A-A



AFTER MATING



SECTION B-B

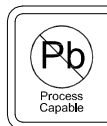
**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Withstanding voltage: 30V AC MAX
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-X8
10. Compliant with: IEC62680-1-3

USB IF TID:13003

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.	NAME	MATERIAL	REMARKS
5	GLUE	EPOXY RESIN	COLOR:BLACK
4	LIM_RING	SILICA GEL	NA
3	OUT SHELL	STAINLESS STEEL	NI30u" MIN PLATED
2	INNER SHELL	STAINLESS STEEL	NO PLATING
1	INSERT MD	MID PLATE STAINLESS STEEL	NO PLATING
		CONTACT: COPPER ALLOY	Au1u"MIN PLATED ON CONTACT AREA
		HIGH TEMPERATURE PLASTIC	COLOR:BLACK,UL94V_0



SCALE:	UNIT: mm	Title: IPX8 Vertical Type-c 16P Female SMT H=6.5mm			
SIZE: A4		Molde Code: GT-USB-9113A			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X. ±0.40		Xla	Chen	Chen	2024.11.13
X.x ±0.30					
X.xx ±0.20					
X.xxx ±0.10					
X* ±5°					



REV: A1 SHEET: 1/2

A

B

C

D

E

