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品赞电子（东莞）有限公司

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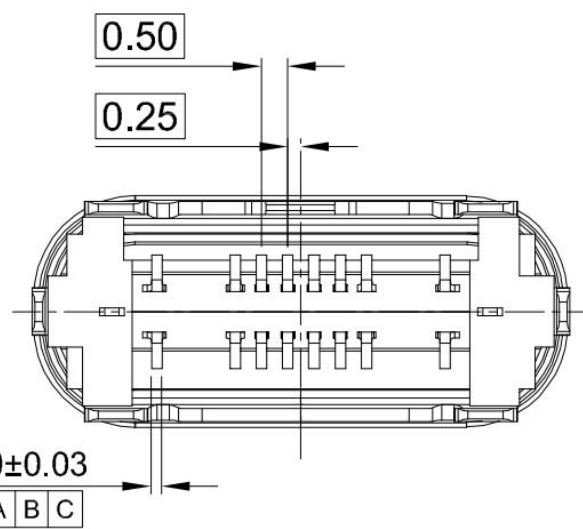
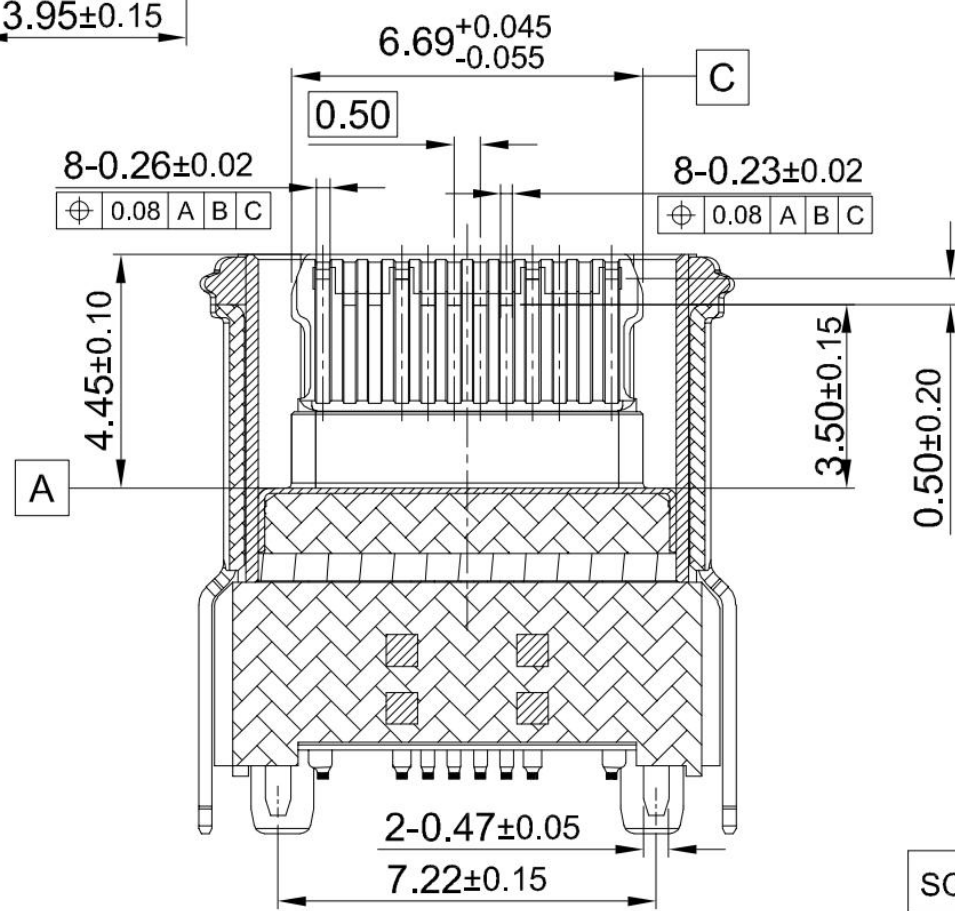
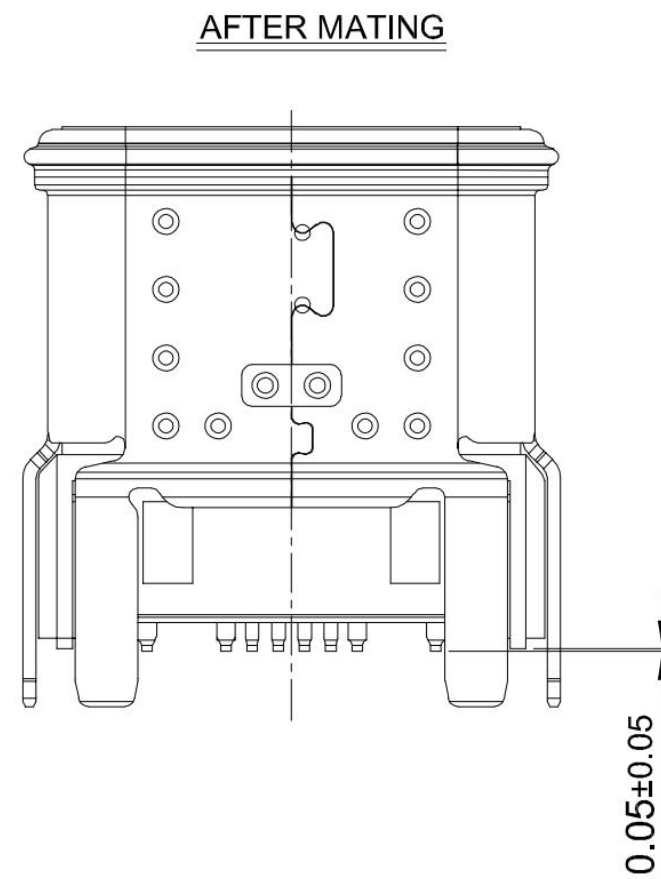
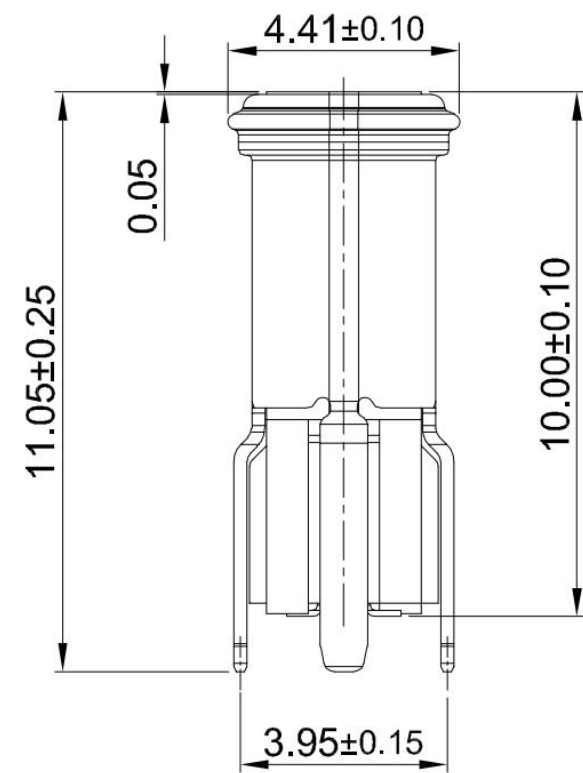
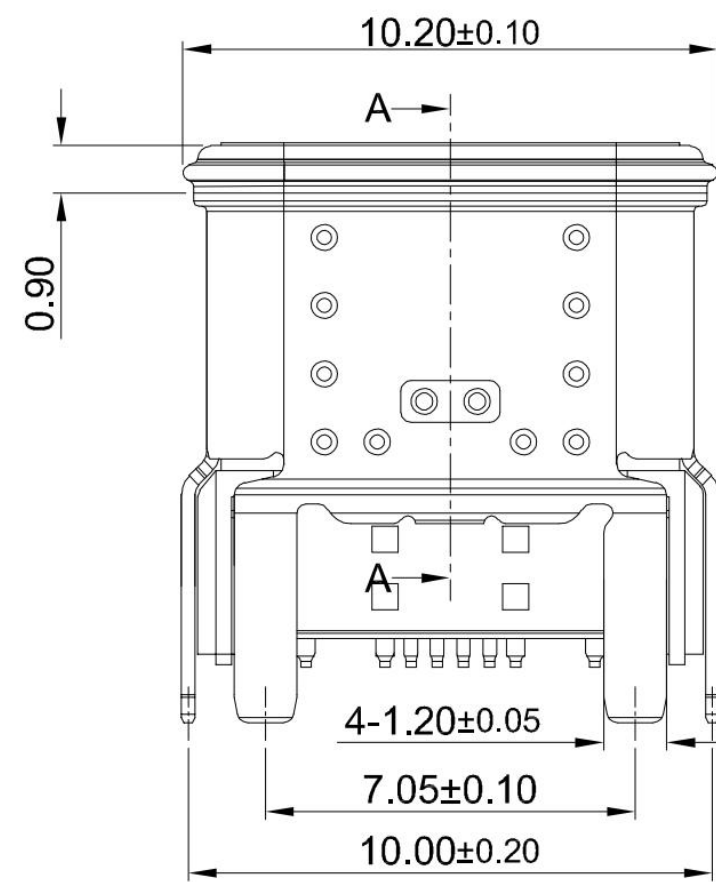
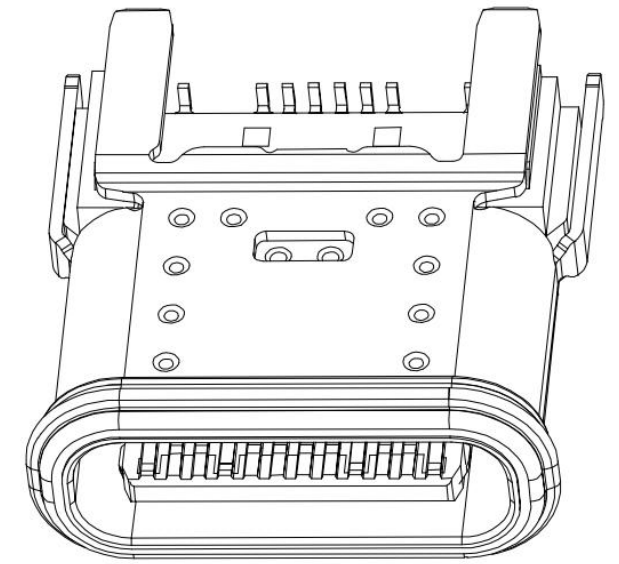
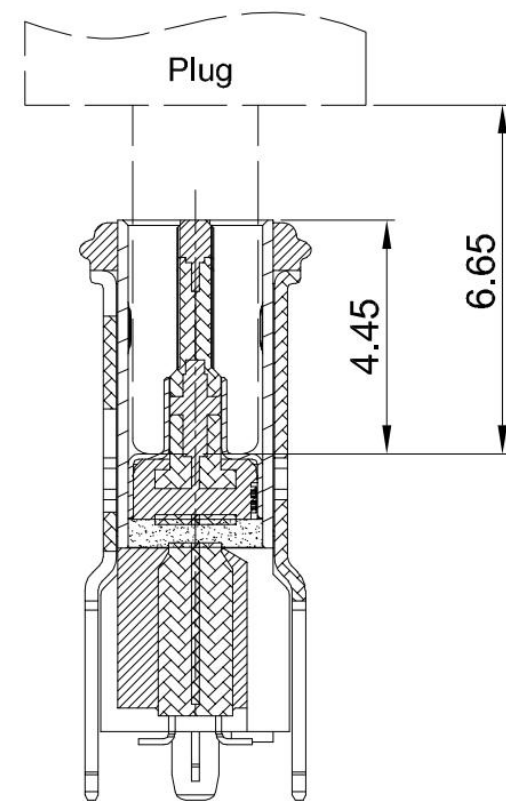
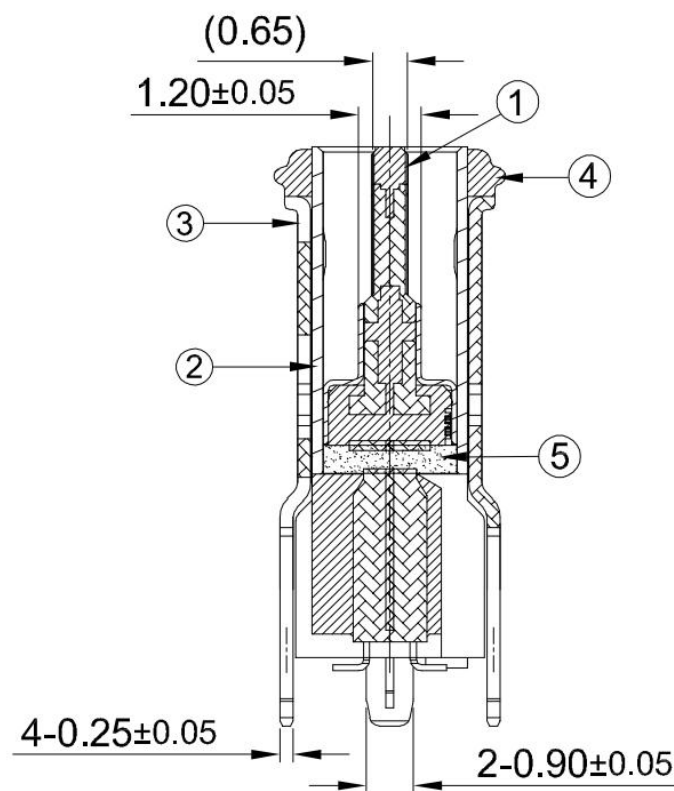
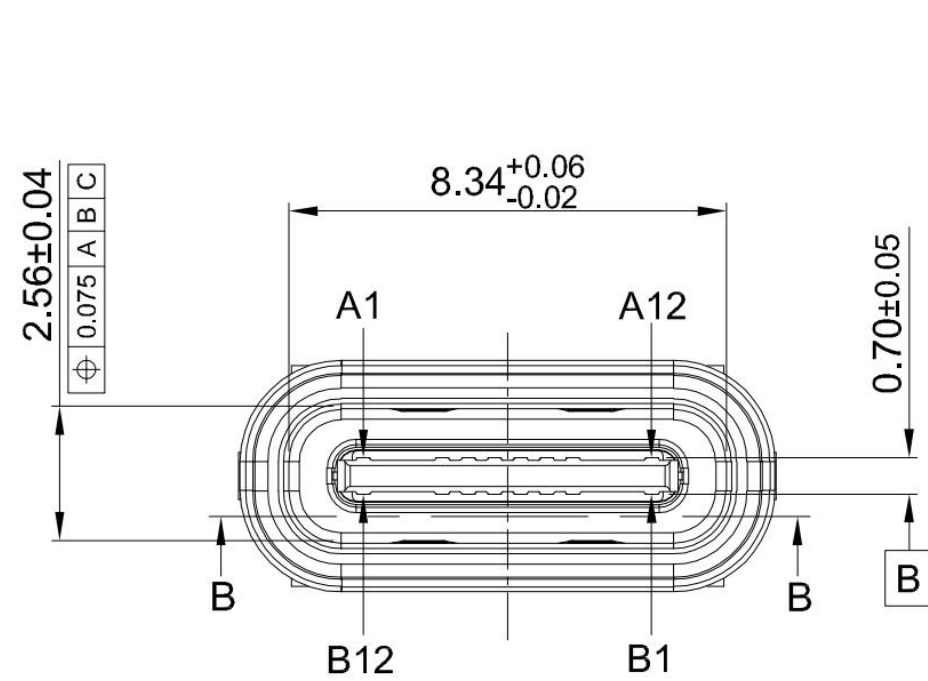
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G-Switch USB-C Specification:

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
Voltage rating: 30V AC MAX
- 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-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

5	GLUE	EPOXY RESIN	COLOR:BLACK
4	LIM_RING	SLILICA 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
NO.	NAME	METERIAL	REMARKS



SCALE: 1:1	UNIT: mm	Title: IPX8 Vertical Type-c 16P Female SMT H=10.0mm			
SIZE: A4		Molde Code: GT-USB-9113D			
Unless otherwise General Tolerance: X.x ±0.30 X.xx ±0.20 X.xxx ±0.10 X.x° ±3° X.xx° ±2°		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 1/2

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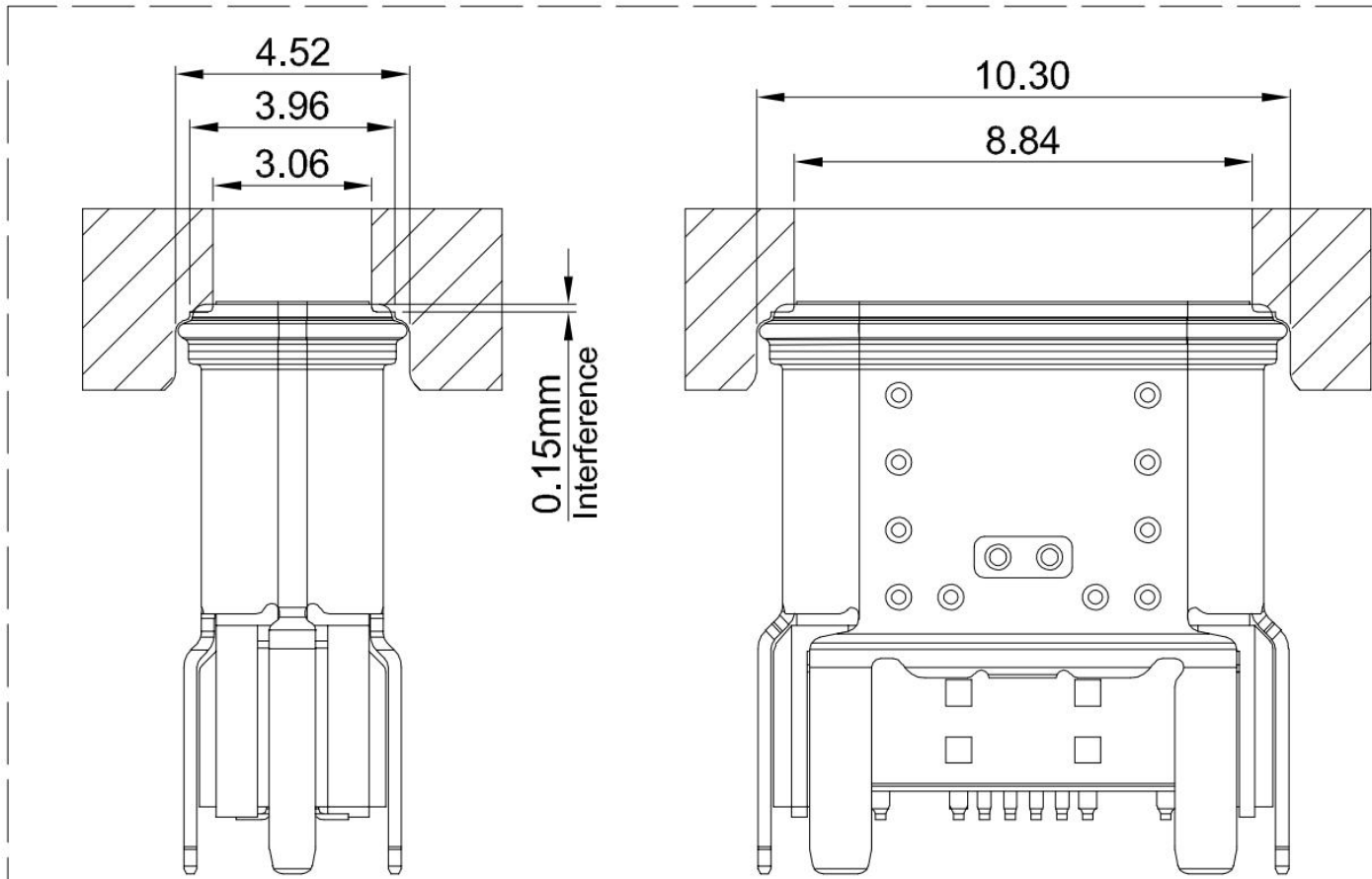
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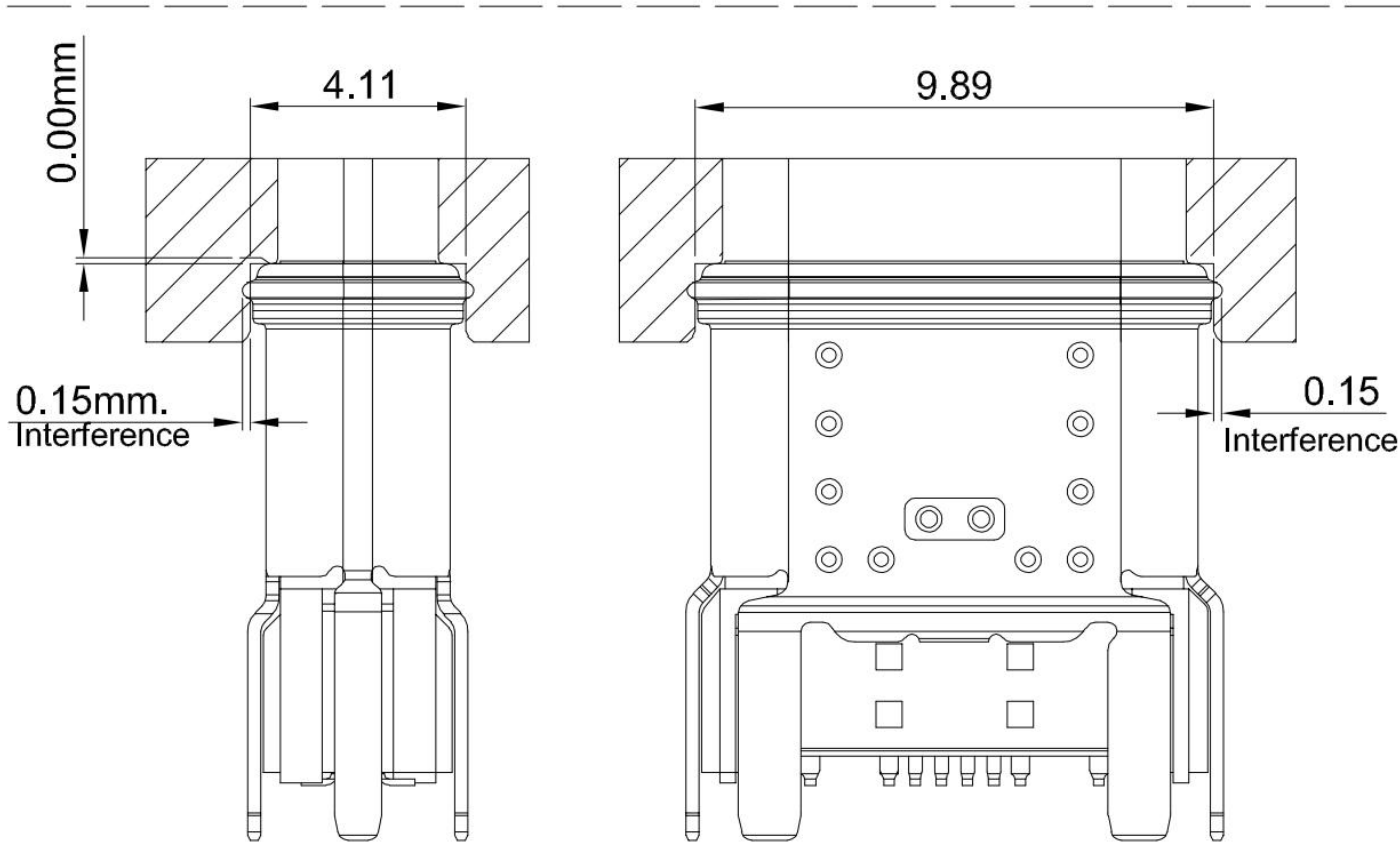
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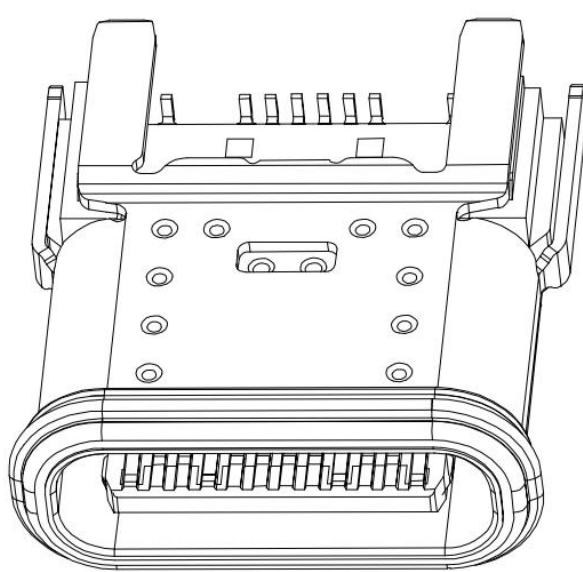
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RECOMMENDED CAVITY "1" SIZE



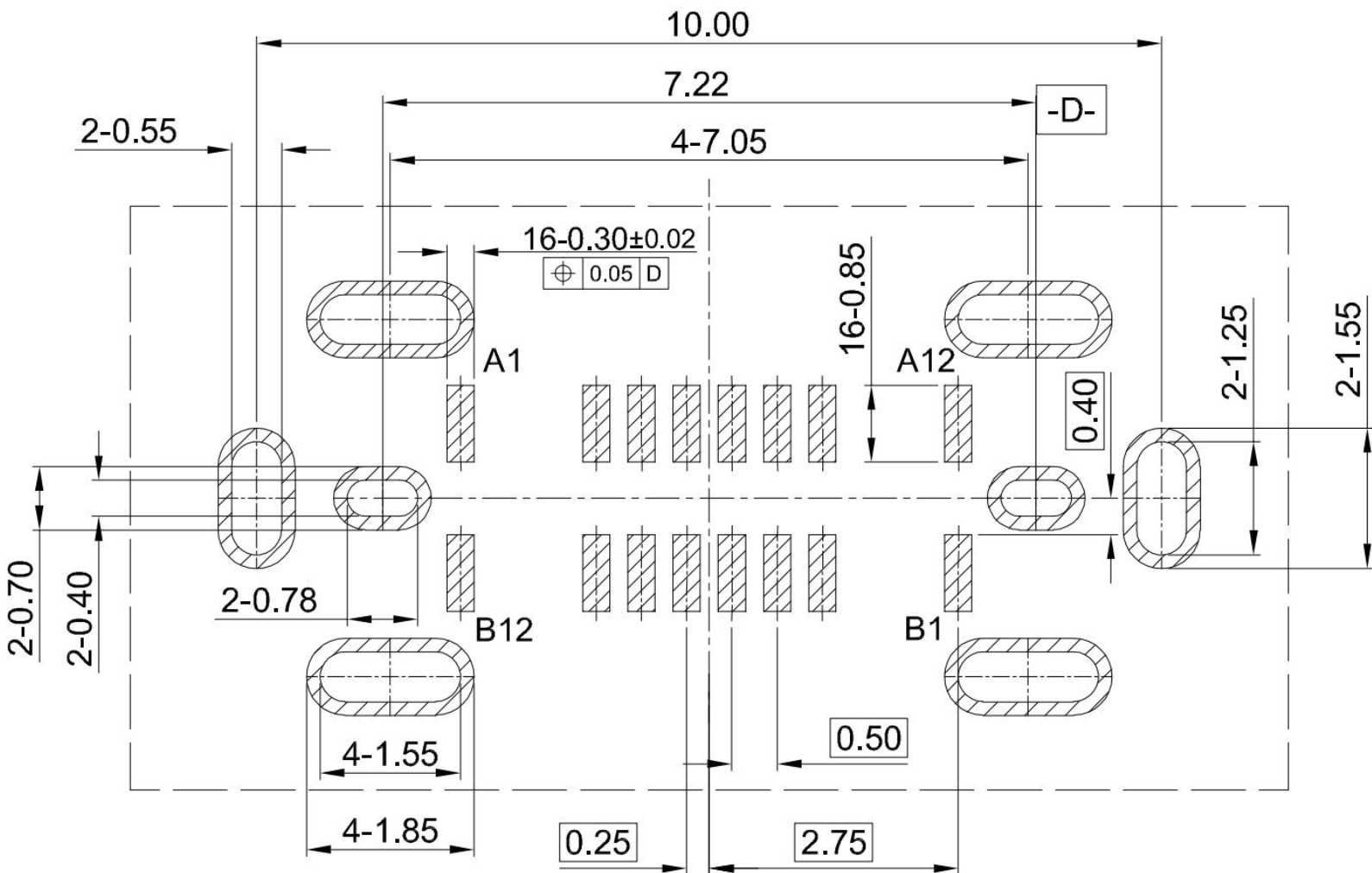
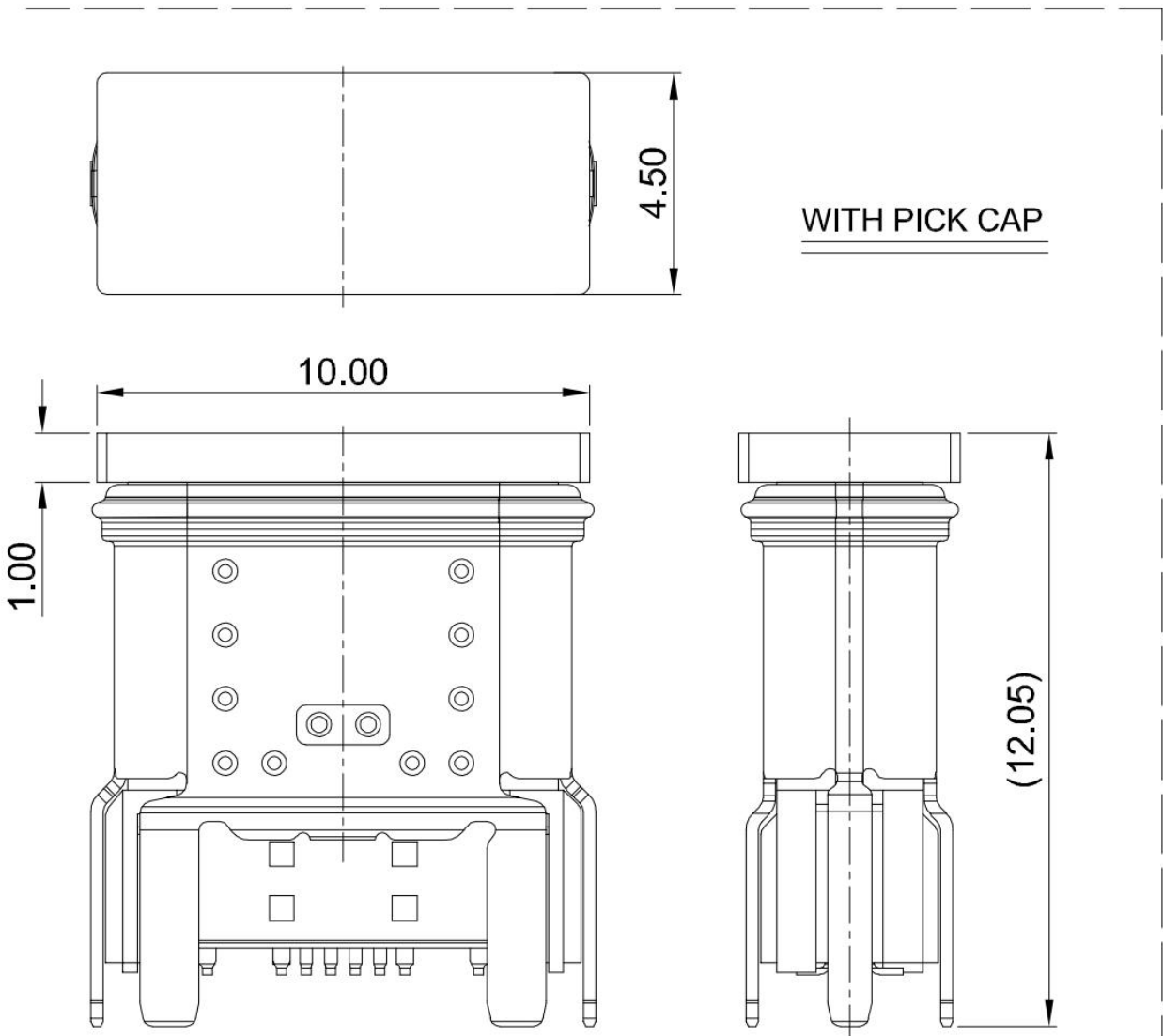
RECOMMENDED CAVITY "2" SIZE



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-X8
- 10.Compliant with: IEC62680-1-3

USB IF TID:13003



RECOMMENDED PCB LAYOUT
SCALE 2/1 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

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5	GLUE	EPOXY RESIN	COLOR:BLACK
4	LIM_RING	SLILICA 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
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NO.	NAME	METERIAL	REMARKS

SCALE: 1:1	UNIT: mm	Title: IPX8 Vertical Type-c 16P Female SMT H=10.0mm			
SIZE: A4		Molde Code: GT-USB-9113D			
Unless otherwise General Tolerance:		DRAWN			
X.x ±0.30		X.xx ±0.20			
X.xxx ±0.10		X.x° ±3°			
X.xx° ±2°		Xia			
		CHECKED			
		Chen			
		APPROVED			
		Chen			
		DATE			
		2023.02.01			



REV: A0 SHEET: 2/2