

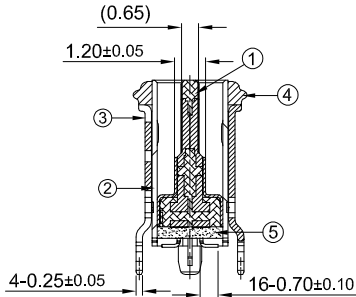
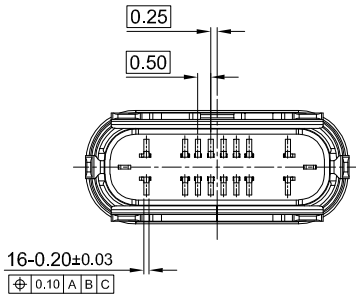
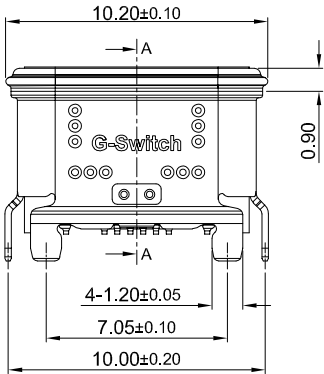
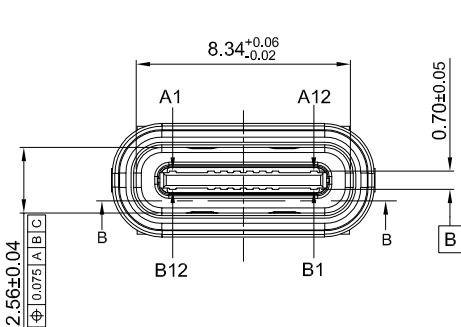
品赞电子（东莞）有限公司

1

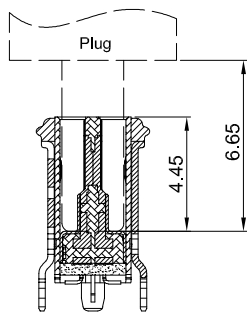
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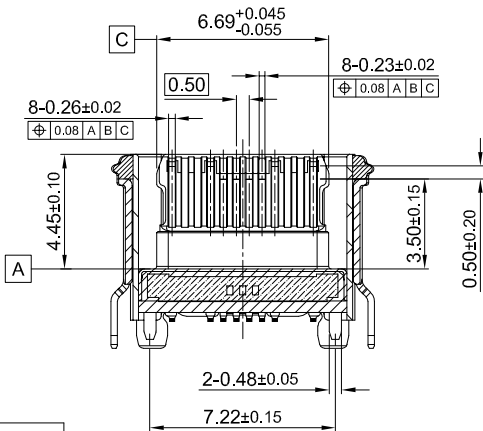
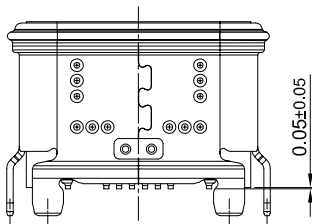
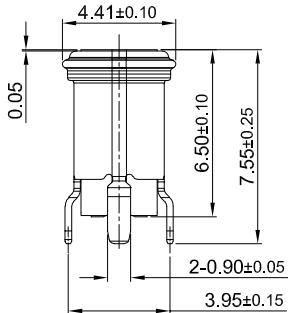
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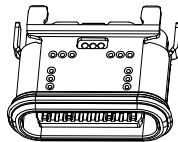
SECTION A-A



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: 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

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 CONTACT:COPPER ALLOY HIGH TEMPERATURE PLASTIC	NO PLATING Au1u"MIN PLATED ON CONTACT AREA COLOR:BLACK,UL94V_0



SCALE: 1:1	UNIT: mm	Title: IPX8 Vertical Type-c 16P Female SMT H=6.5mm			
SIZE: A4		Molde Code: GT-USB-9113A			
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
		Xla	Chen	Chen	2023.02.01



REV: A0	SHEET: 1/2
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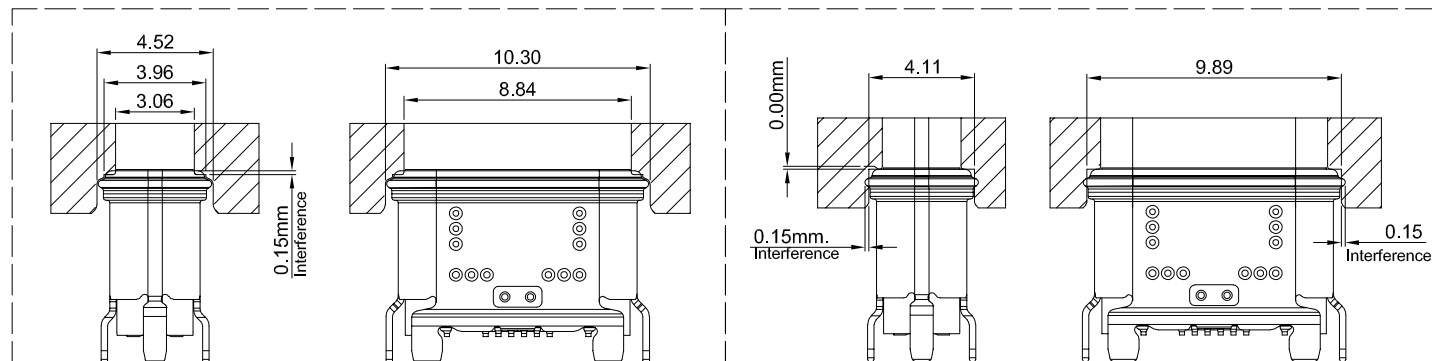
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RECOMMENDED CAVITY "1" SIZE

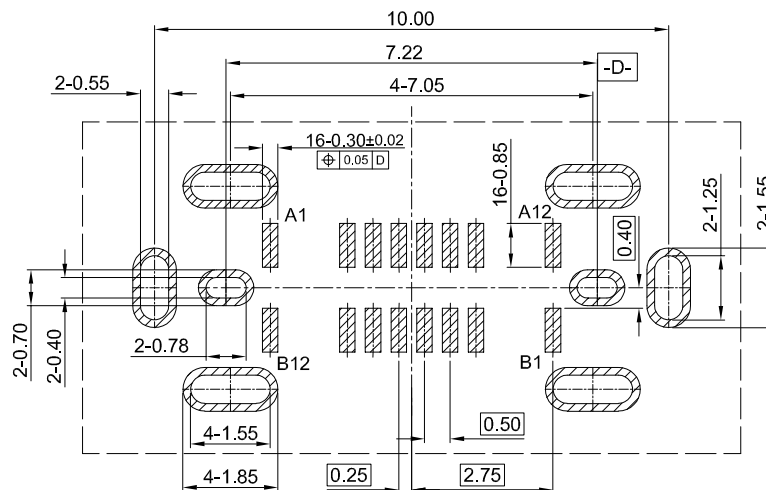
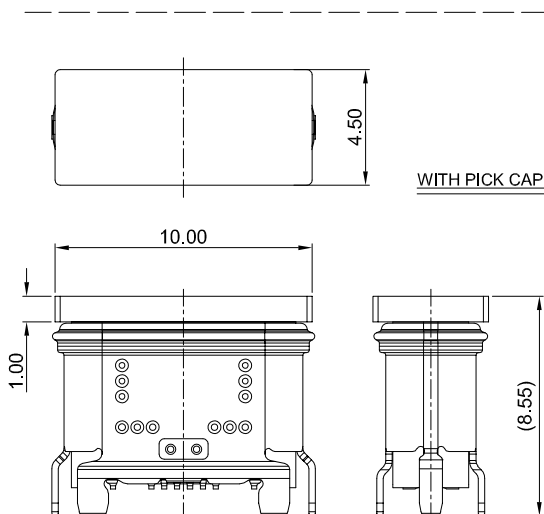
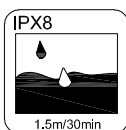
RECOMMENDED CAVITY "2" SIZE

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

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 2.Withstanding voltage: 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

RECOMMENDED PCB LAYOUT
SCALE 2/1 TOLERANCE:±0.05SCALE: 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: IPX8 Vertical Type-c 16P Female
SMT H=6.5mm

Molde Code: GT-USB-9113A

DRAWN	CHECKED	APPROVED	DATE
Xla	Chen	Chen	2023.02.01

www.dg-switch.com

REV: A0 SHEET: 2/2

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