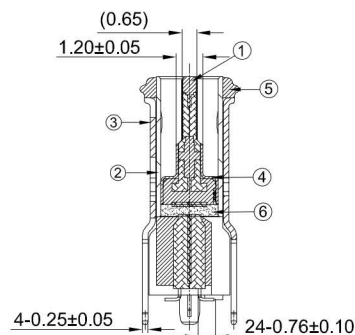
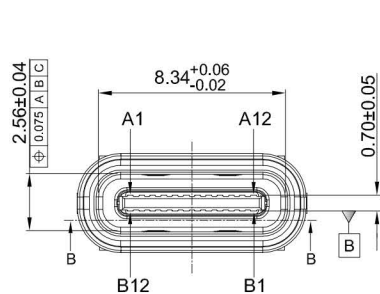
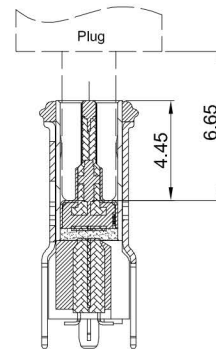
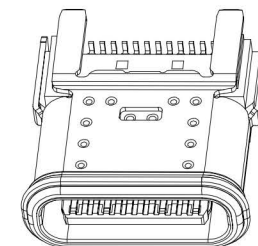




SECTION A-A



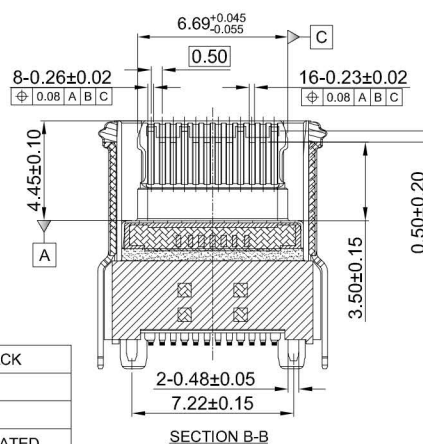
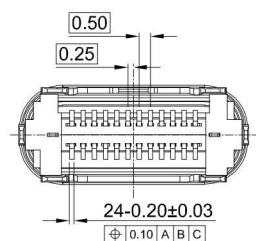
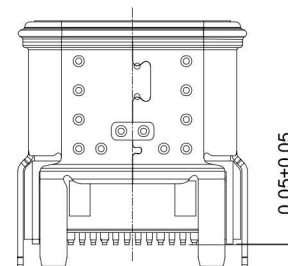
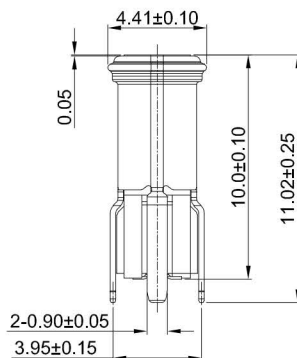
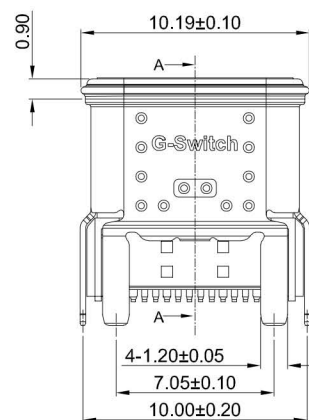
AFTER MATING

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

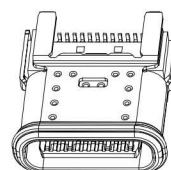
- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
Voltage rating: 30V AC MAX
- 2.Withstanding voltage: 100V AC/minute
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -40°C ~ +85°C
- 6.Mating force: 5N~20N
- 7.Unmating force: 6N~20N
- 8.Durability cycle:10,000 cycles
- 9.Data transmission rate up to 40Gbp/s
- 10.Waterproof grade: IP-X8

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First



SECTION B-B



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X.x" ±3°
X.xx" ±2°

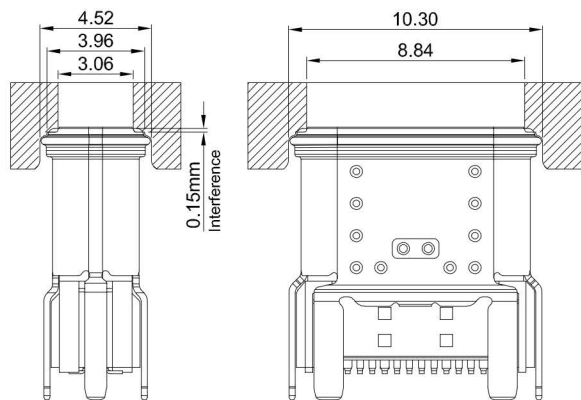
Title: IPX8 Vertical Type-c 24P Female
DIP H=10.0mm

Molde Code: GT-USB-9114D

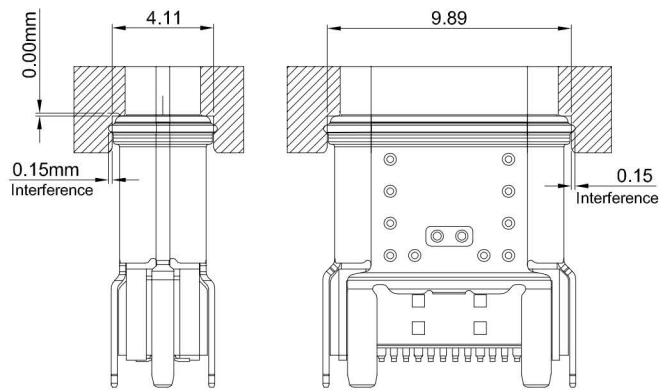
DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

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b-Switch
www.dg-switch.com

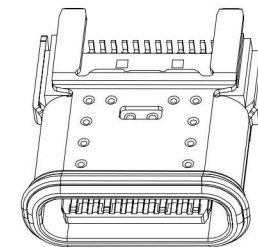
REV: A0 SHEET: 1/2



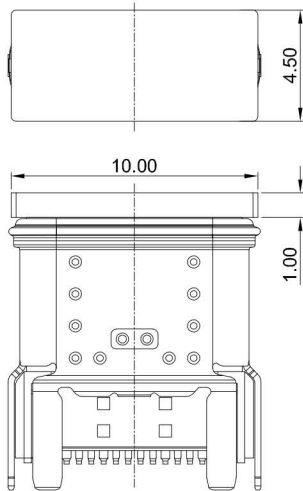
RECOMMENDED CAVITY "1" SIZE



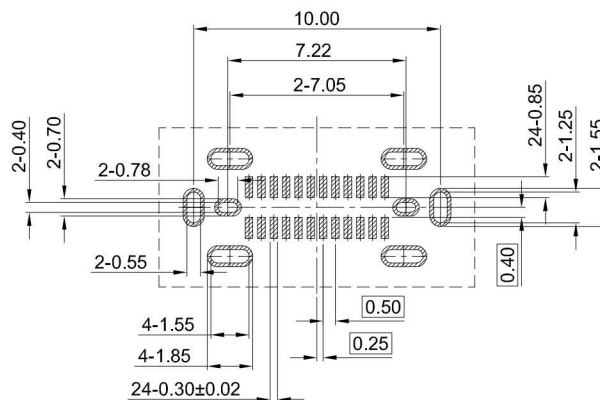
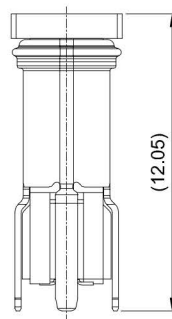
RECOMMENDED CAVITY "2" SIZE

**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



WITH PICK CAP

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

6	GLUE	EPOXY RESIN	COLOR:BLACK
5	LIM_RING	SLILICA GEL	NA
4	EMC	STAINLESS STEEL	CLEAN
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 CANTACT AREA COLOR:BLACK,UL94V_0
NO.	NAME	METERIAL	REMARKS

SCALE: 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 24P Female
DIP H=10.0mm

Molde Code: GT-USB-9114D

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 2/2