

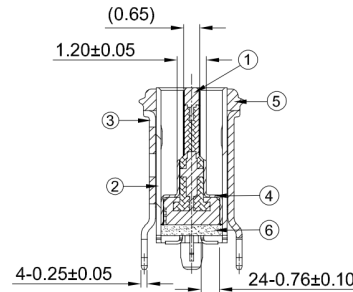
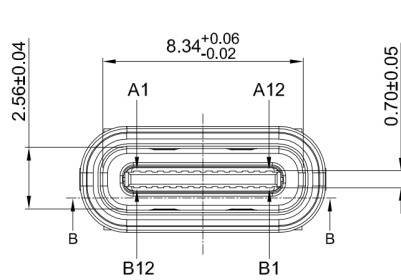
A

B

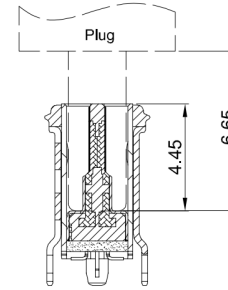
G-Switch Technology (Dongguan) Co., Ltd

D

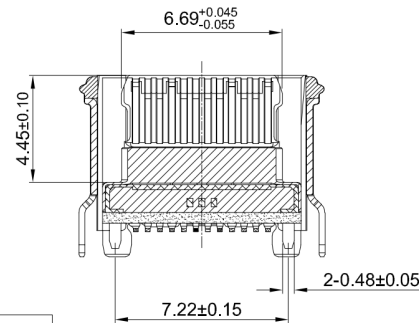
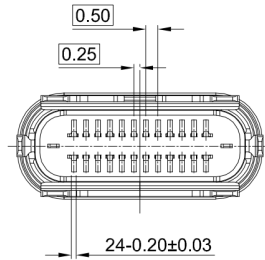
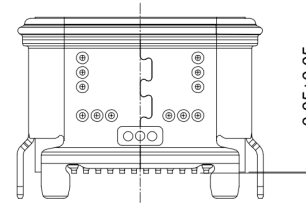
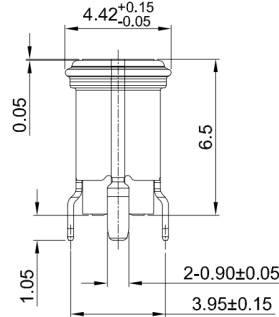
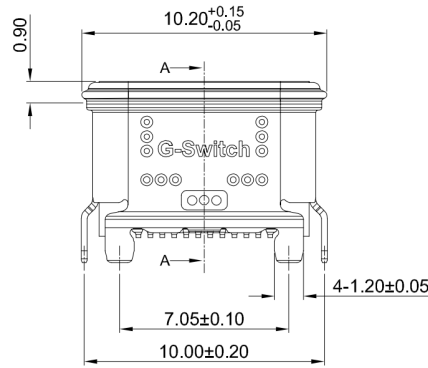
E



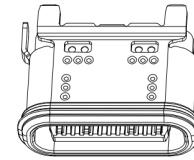
SECTION A-A



AFTER MATING



SECTION B-B



G-Switch USB-C Specification:

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

6	GLUE	EPOXY RESIN	BLACK
5	LIM RING	SILICA GEL	BLACK
4	EMC	STAINLESS STEEL316	CLEAN
3	OUT SHELL	STAINLESS STEEL304	Ni30u" MIN PLATED
2	INNER SHELL	STAINLESS STEEL316	CLEAN
1	INSERT MD	MID PLATE STAINLESS STEEL301 CONTACT: COPPER ALLOY C18400 PA46	CLEAN Au3u" PLATED ON CONTACT AREA Tin30u" MIN PLATED ON SOLDER AREA BLACK, UL 94 V-0
NO.	NAME	MATERIAL	REMARKS



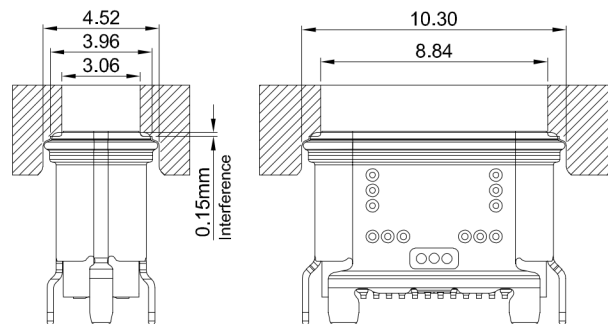
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SIZE: A4		Molde Code: GT-USB-9114A	
Unless otherwise General Tolerance:		DRAWN CHECKED APPROVED DATE	
X.x ±0.30		Xia Chen Chen 2023.02.01	
X.xx ±0.20		REV: A0	
X.xxx ±0.10		SHEET: 1/2	
X.x" ±3°			
X.xx" ±2°			



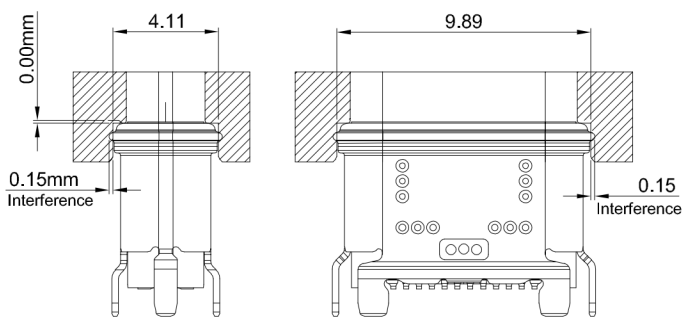
G-Switch Technology (Dongguan) Co., Ltd

D

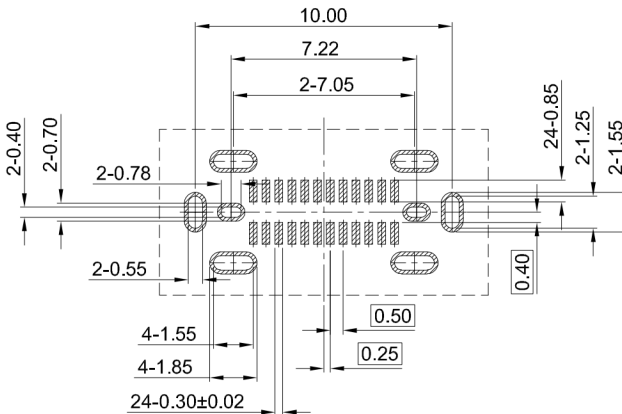
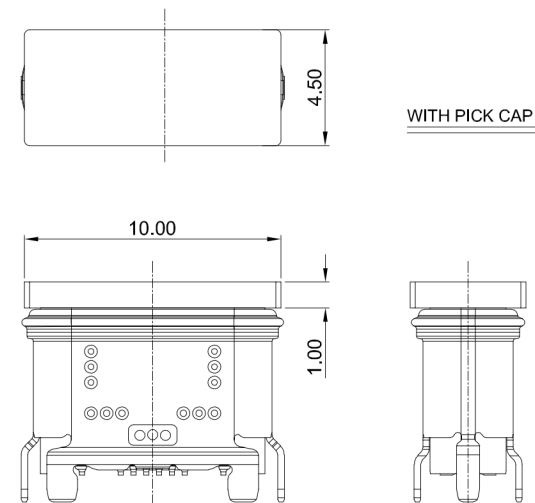
E



RECOMMENDED CAVITY "1" SIZE



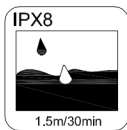
RECOMMENDED CAVITY "2" SIZE

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05**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: 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

6	GLUE	EPOXY RESIN	BLACK
5	LIM RING	SLILICA GEL	BLACK
4	EMC	STAINLESS STEEL316	CLEAN
3	OUT SHELL	STAINLESS STEEL304	Ni30u" MIN PLATED
2	INNER SHELL	STAINLESS STEEL316	CLEAN
1	INSERT MD	MID PLATE STAINLESS STEEL301 CONTACT:COPPER ALLOY C18400 PA46	CLEAN Au3u" PLATED ON CONTACT AREA TiN30u"Min PLATED ON SOLDER AREA BLACK,UL 94 V-0
NO.	NAME	METERIAL	REMARKS



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=6.5mm

Molde Code: GT-USB-9114A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 2/2