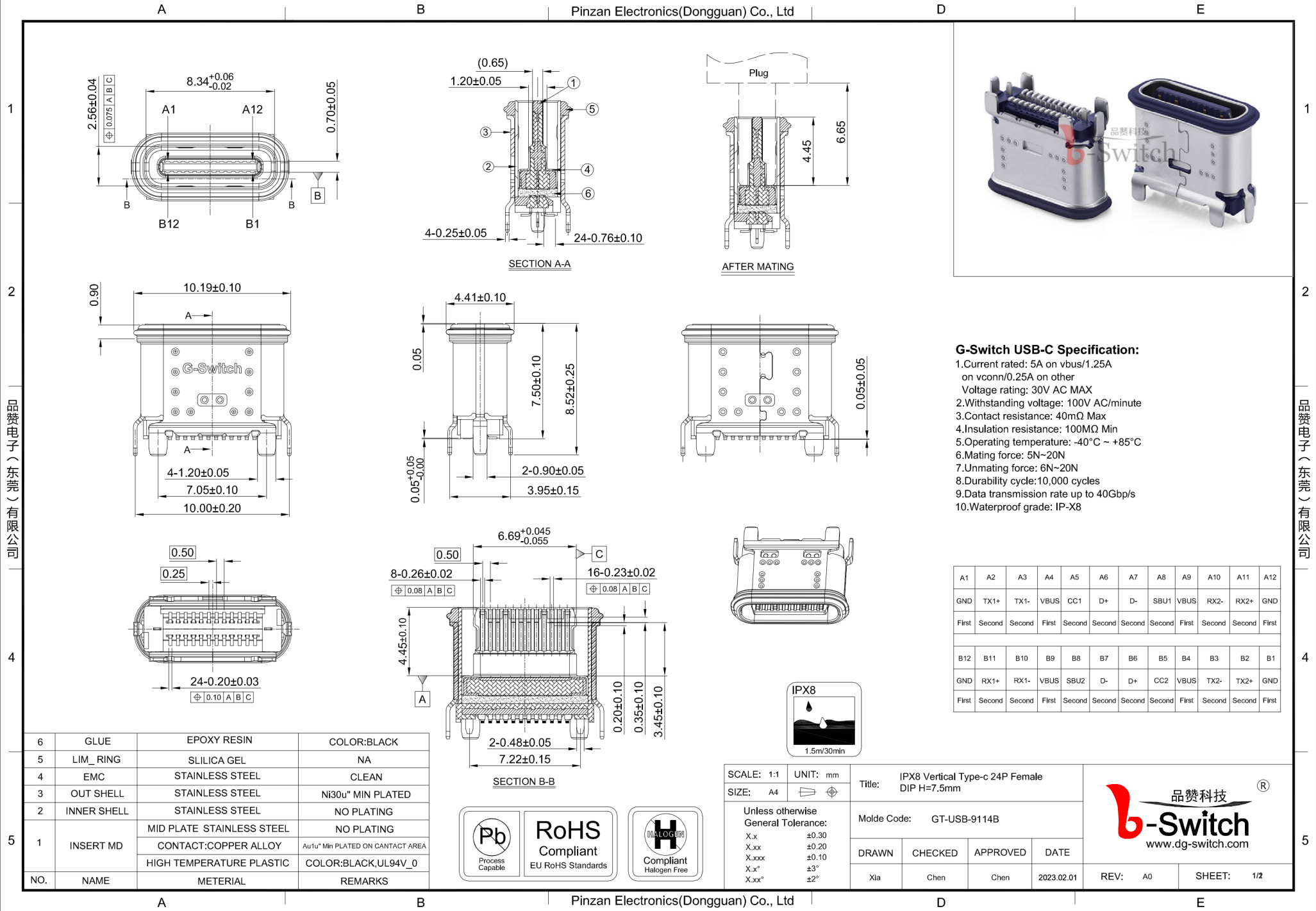




G-Switch USB-C Specification:

- 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

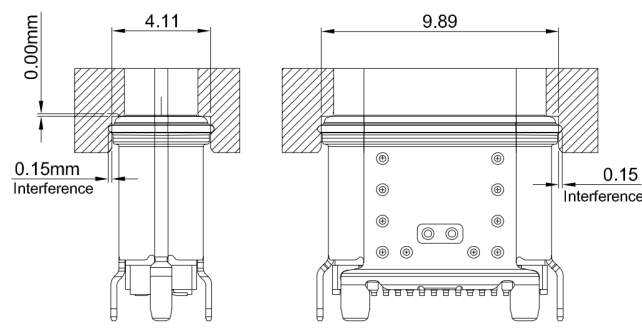
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First



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

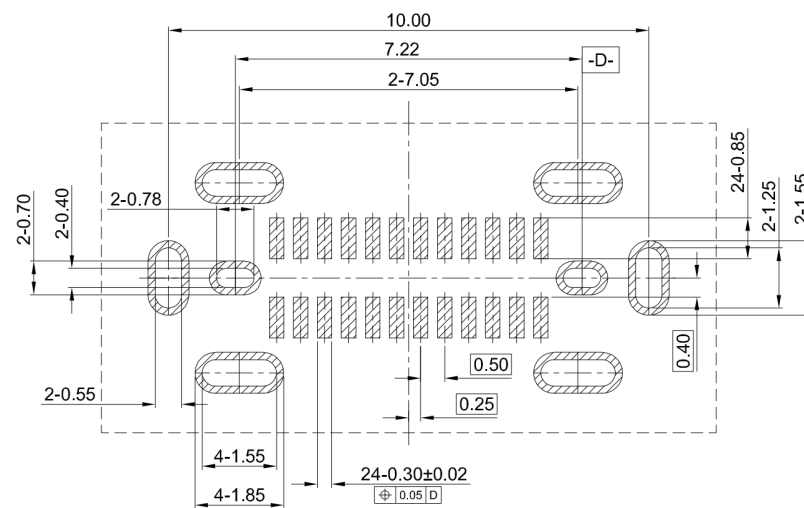
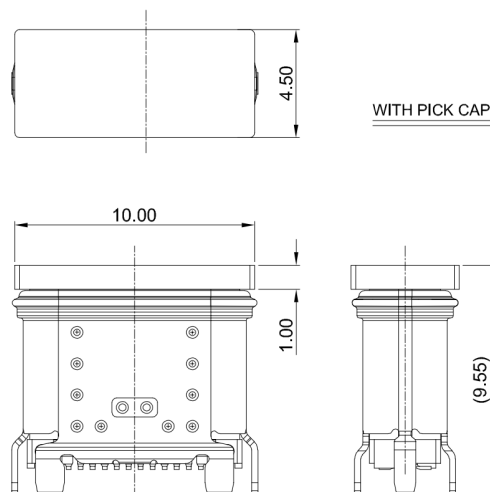
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
First			First	Second	Second	Second	Second	First			First

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



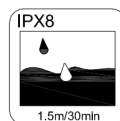
RECOMMENDED CAVITY "1" SIZE

RECOMMENDED CAVITY "2" SIZE



RECOMMENDED PCB LAYOUT
SCALE 2/1 TOLERANCE:±0.05

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	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 24P Female DIP H=7.5mm			
SIZE: A4					
Unless otherwise General Tolerance: X.x ±0.30 X.xx ±0.20 X.xxx ±0.10 X.x° ±3° X.xx° ±2°		Molde Code: GT-USB-9114B			
		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2023.02.01