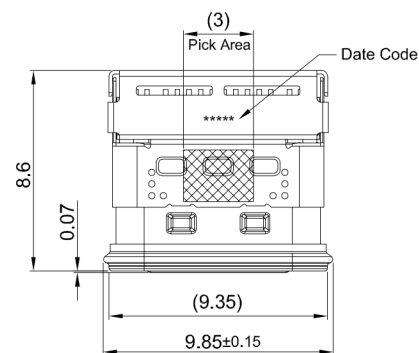
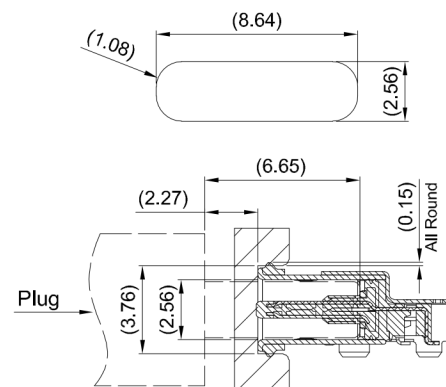
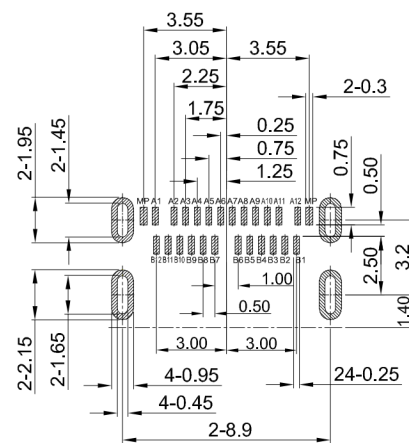
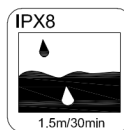
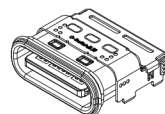
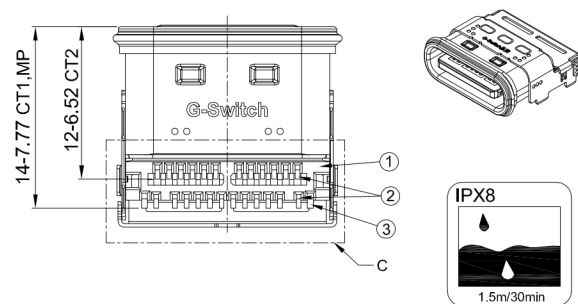
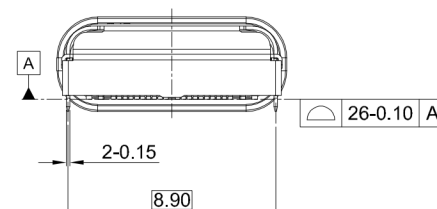
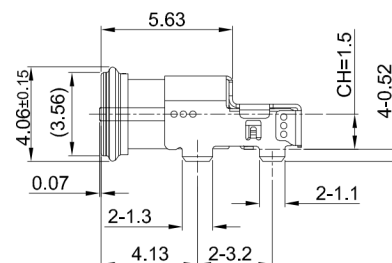
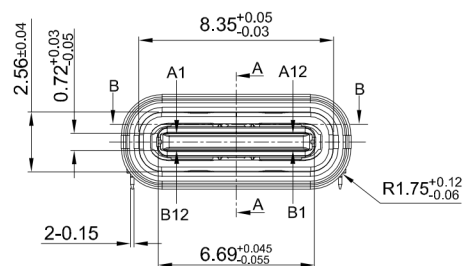


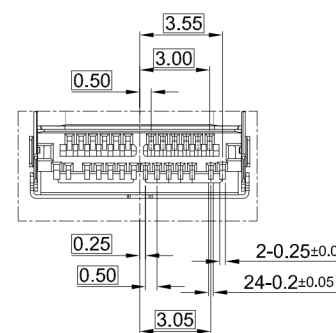
SECTION A-A



AFTER MATING



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



DETAIL OF C



G-Switch USB-C Specification:

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
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. Data transmission rate up to 10Gbp/s
11. Waterproof grade: IP-X8
12. Compliant with: IEC62680-1-3

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

9	EMI	SUS301	Ni30u"MIN PLATED
8	ADHESIVE	EPOXY RESIN	BLACK
7	WATERPROOF RING	SILIGA GEL	A:60 BLACK
6	INSIDE PLATE	SUS304	_____
5	OUT SHELL	SUS304	Ni30u"MIN PLATED
4	INNER SHELL	SUS316	_____
3	MID PLATE	SUS301	_____
2	TERMINALS	COPPER ALLOY C7025	Au3u"MIN PLATING ON CONTACT AREA Au1u"MIN PLATING ON SOLDER AREA
1	HOUSING	PA9T	BLACK UL 94 V-0
NO.	PARTS	MATERIAL	REMARKS

SCALE: 1:1	UNIT: mm	Title: IPX8 Horizontal Type-c 24P Female SMT CH=1.5 L=8.6mm			
SIZE: A4					
Unless otherwise General Tolerance: X.x ±0.30 X.xxx ±0.20 X.xxxx ±0.10 X.x° ±3° X.xx° ±2°		Molde Code: GT-USB-9045B			
		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2024.03.

REV: A0 SHEET: 1/1