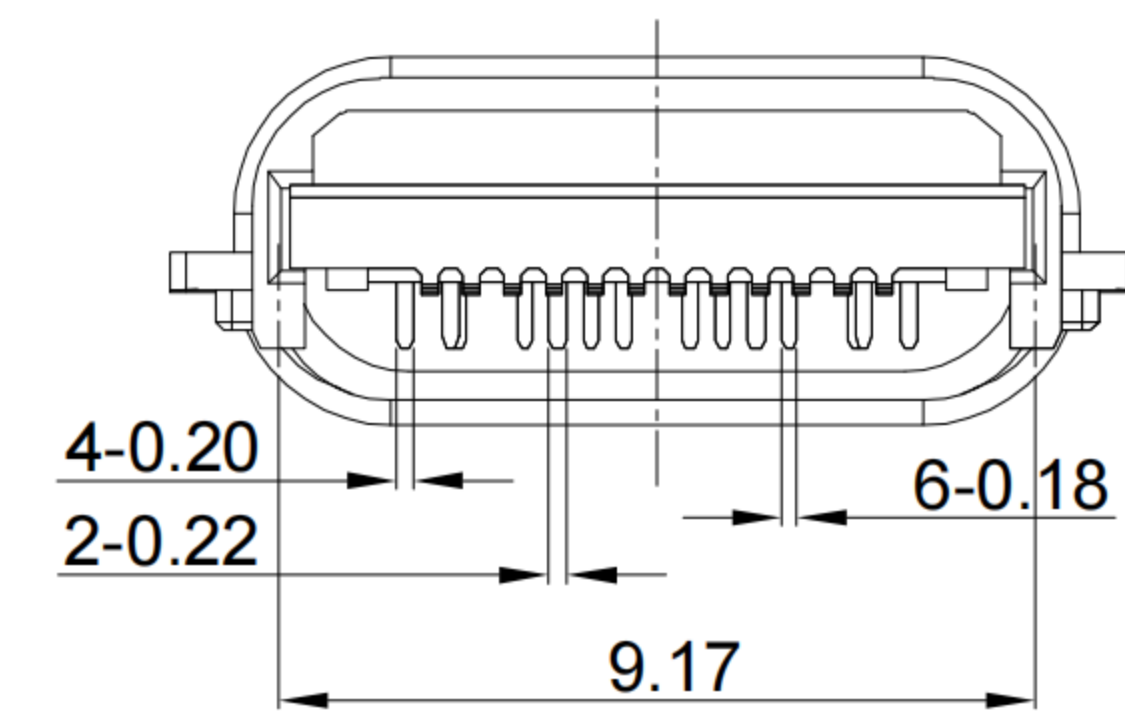
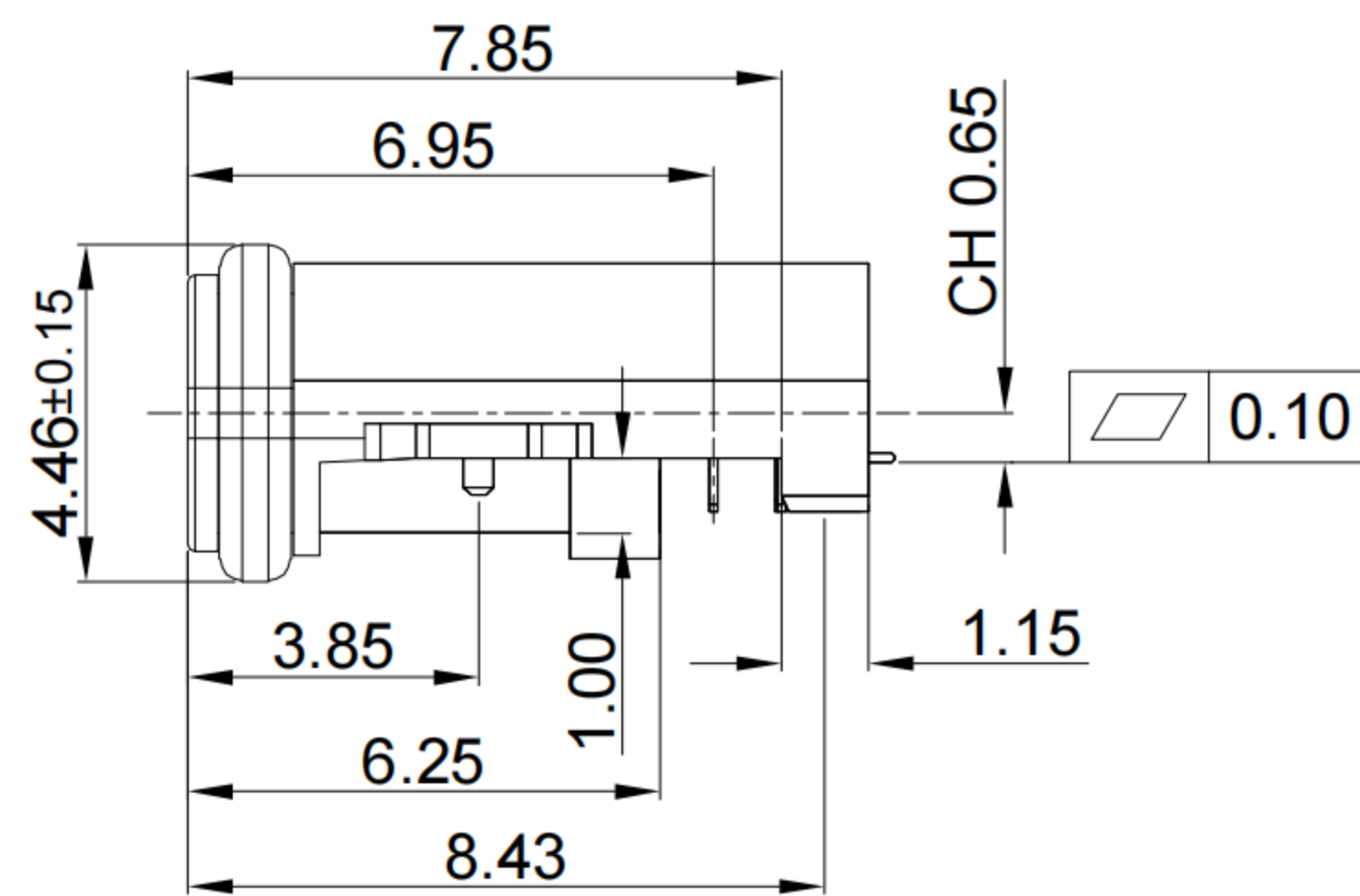
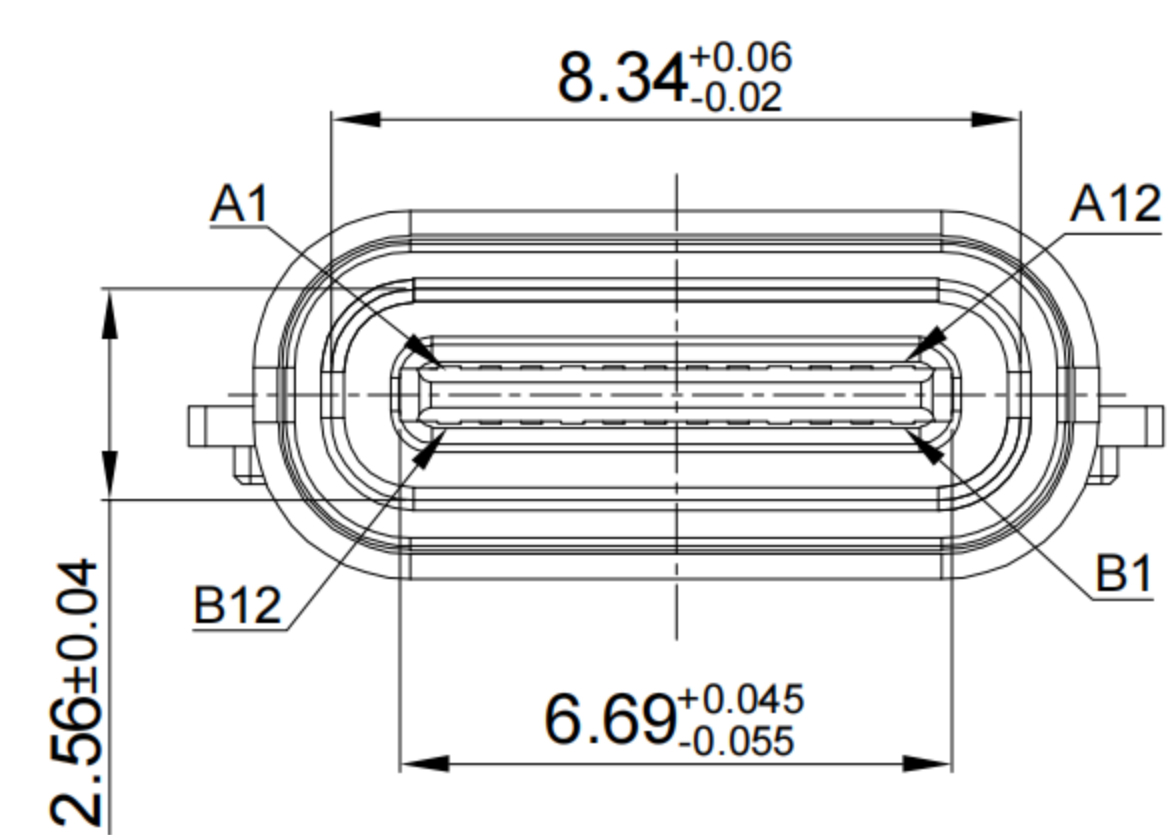
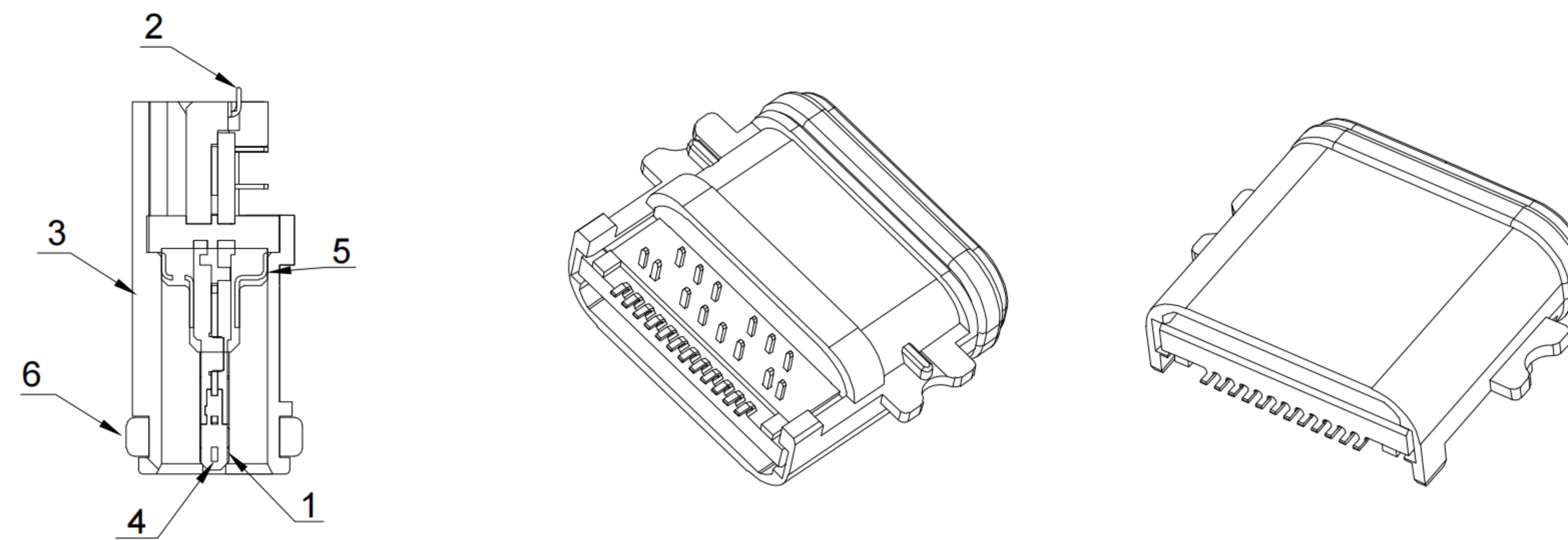
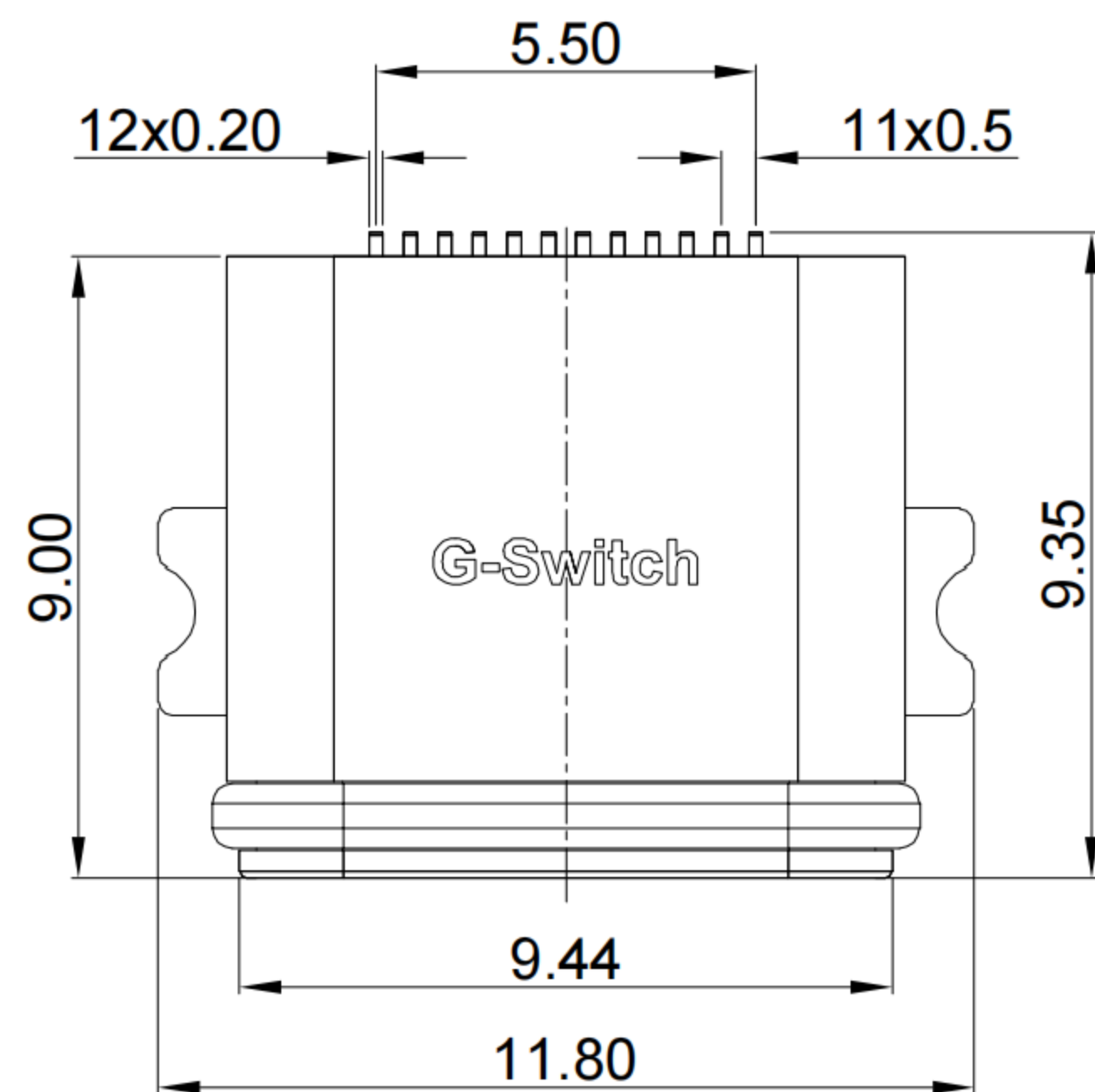
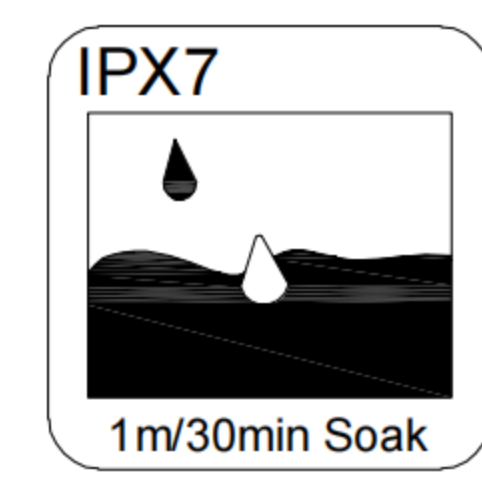
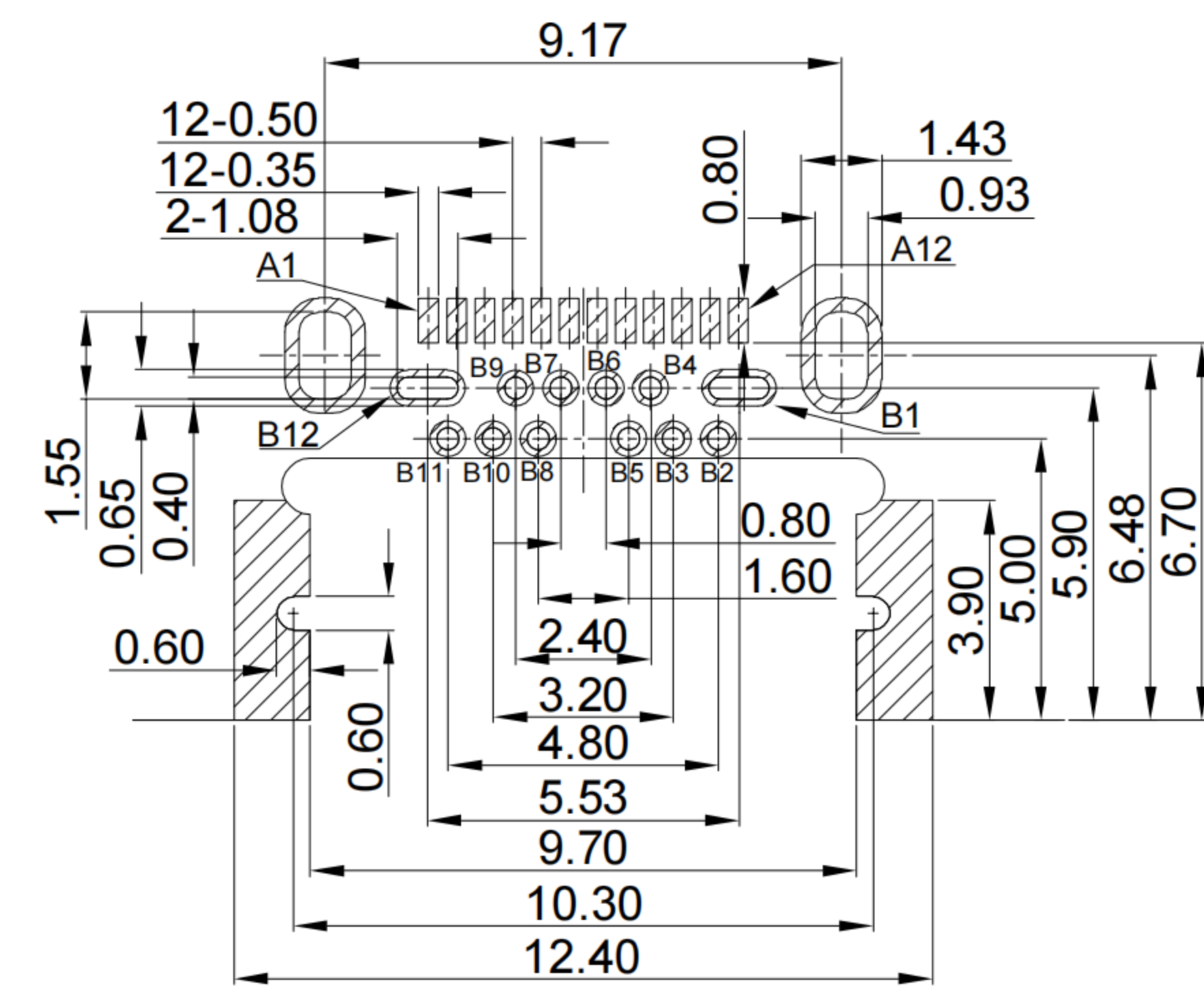
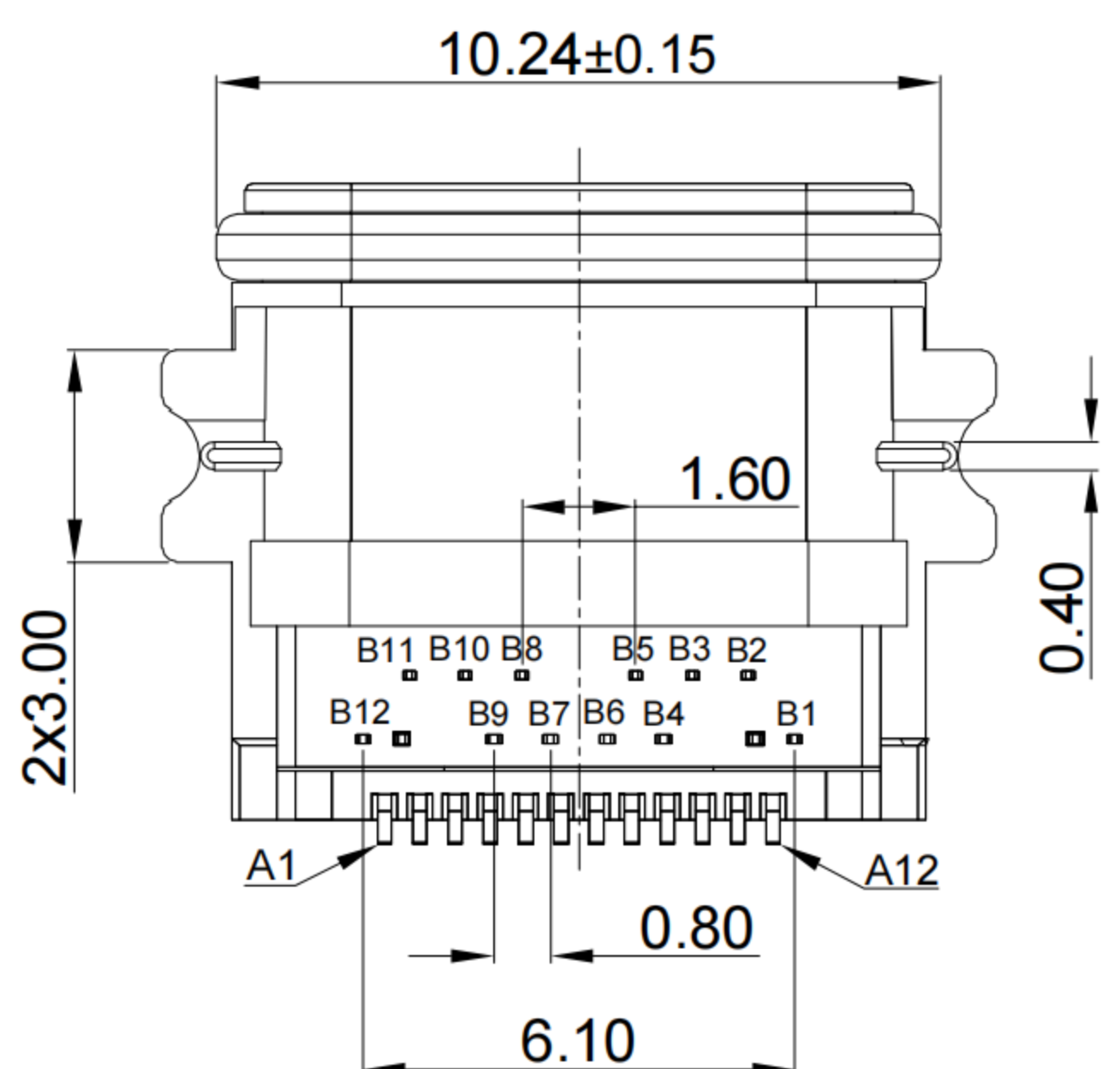


1
2
3
4
5



G-Switch USB-C Specification:

1. Current rated: 5A on Vbus/1.25A on Vconn/0.25A on other
Voltage rating: 24V AC
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. Data transmission rate up to 5Gbp/s
10. Waterproof Grade: IP-X7.

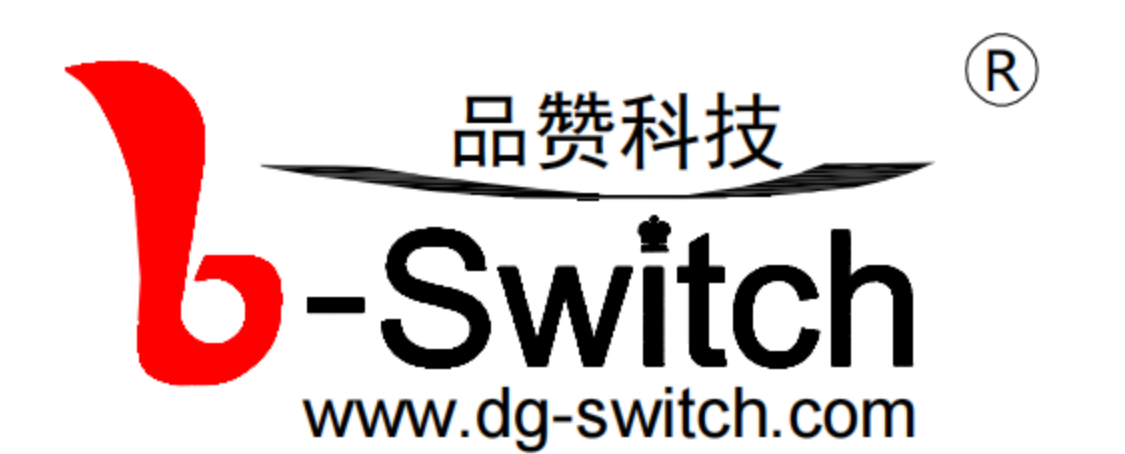


RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05

1	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
2	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
3	SHELL	ZN-ALLOY	NI PLATED
4	GND PLANT	STAINLESS STEEL	NI PLATED
5	MID PLATE	STAINLESS STEEL	---
6	WATERPROOF RING	SILICA GEL	---
NO.	PARTS	MATERIAL	REMARKS

SCALE: 3:1 UNIT: mm
 SIZE: A4
 Unless otherwise General Tolerance:
 X. ±0.25
 X.x ±0.20
 X.xx ±0.15
 X.xxx ±0.10
 Angles ±5°

Title: Horizontal Type-c 24P Female Sink1.0 CH=0.65 L=9.0mm
 Molde Code: GT-USB-7062
 DRAWN: Xia
 CHECKED: Chen
 APPROVED: Chen
 DATE: 2022.12.06



REV: A0 SHEET: 1/2

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX+	TX-	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	RX+	RX-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

A

B

C

D

E

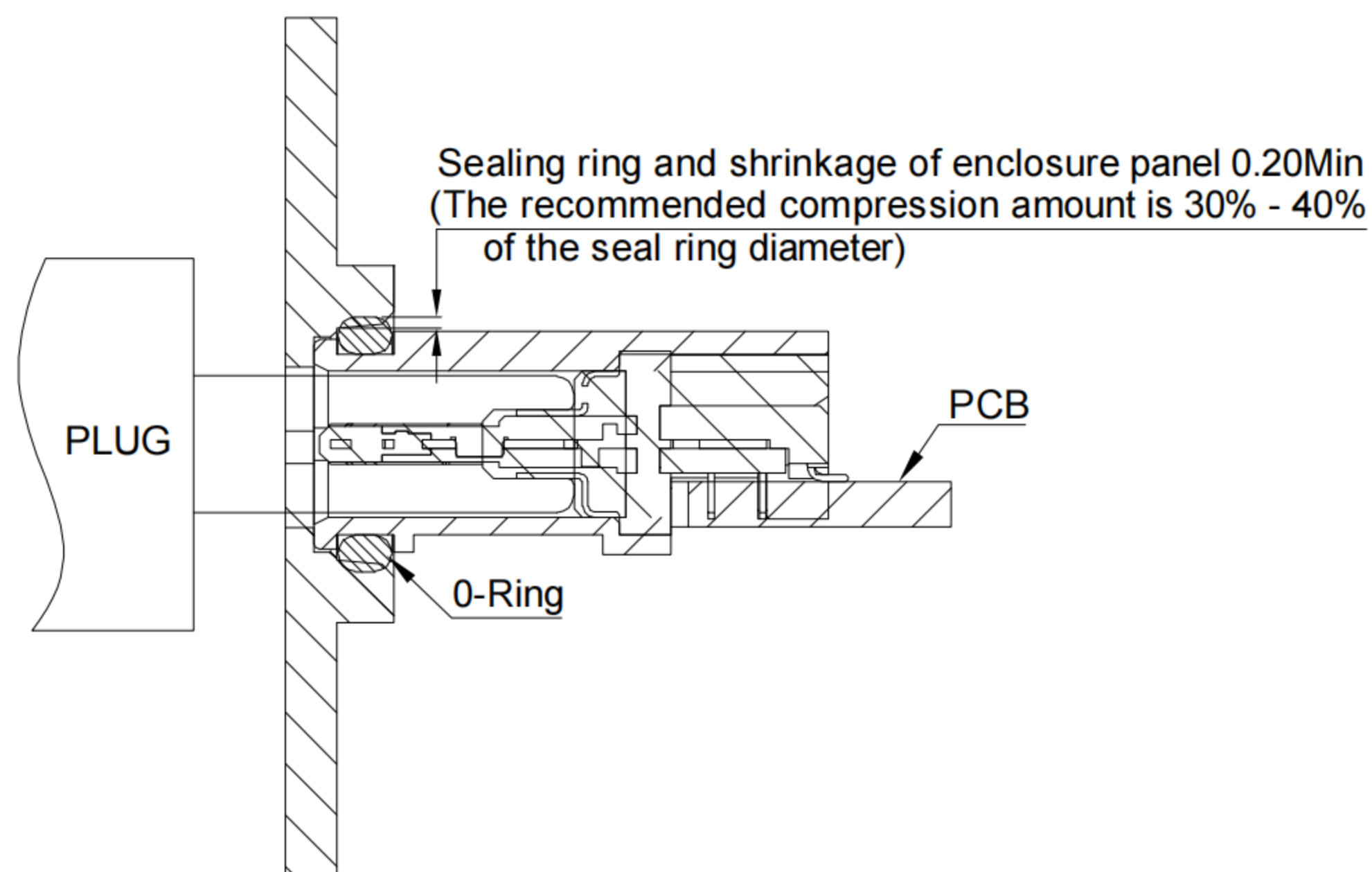
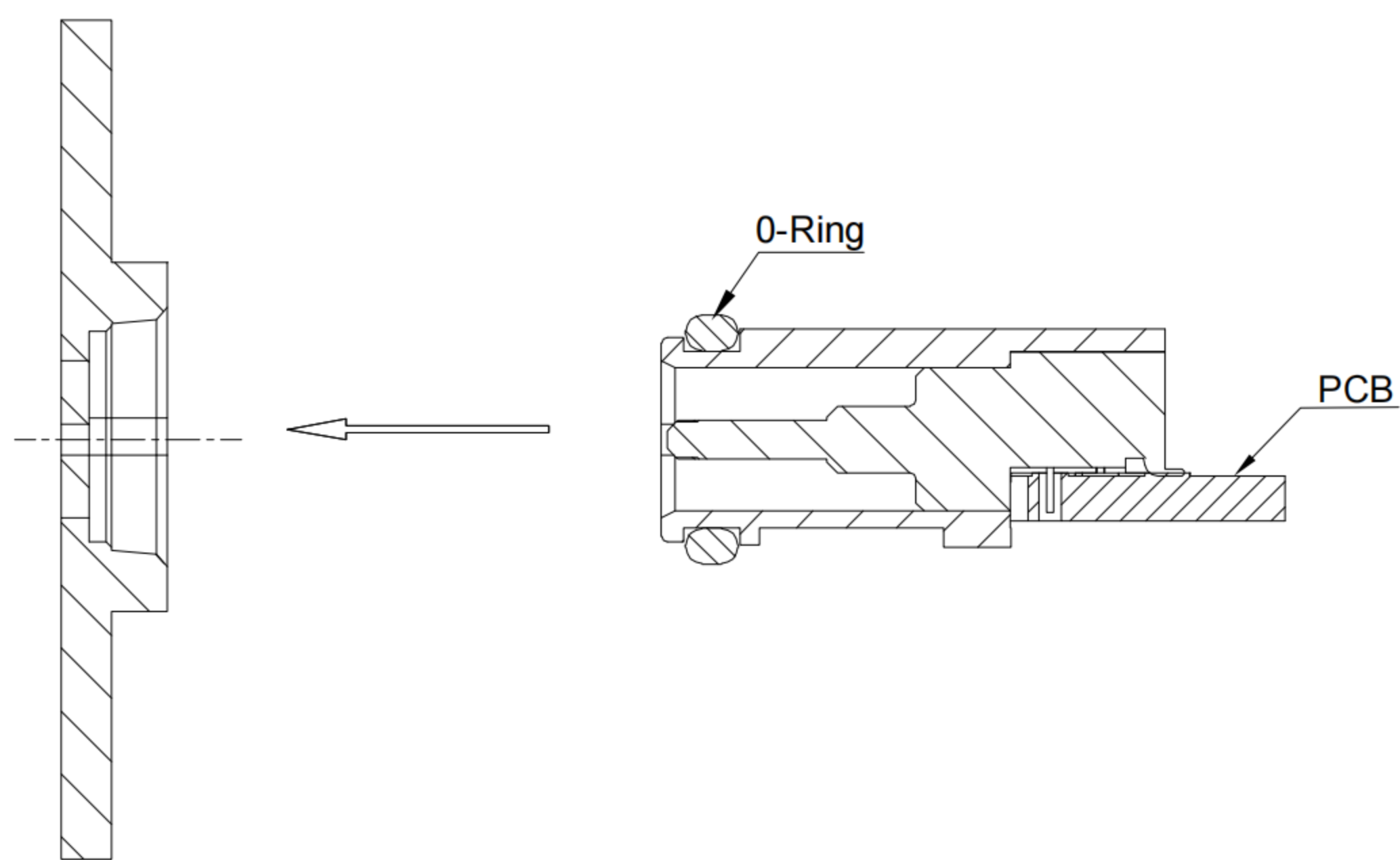
1

2

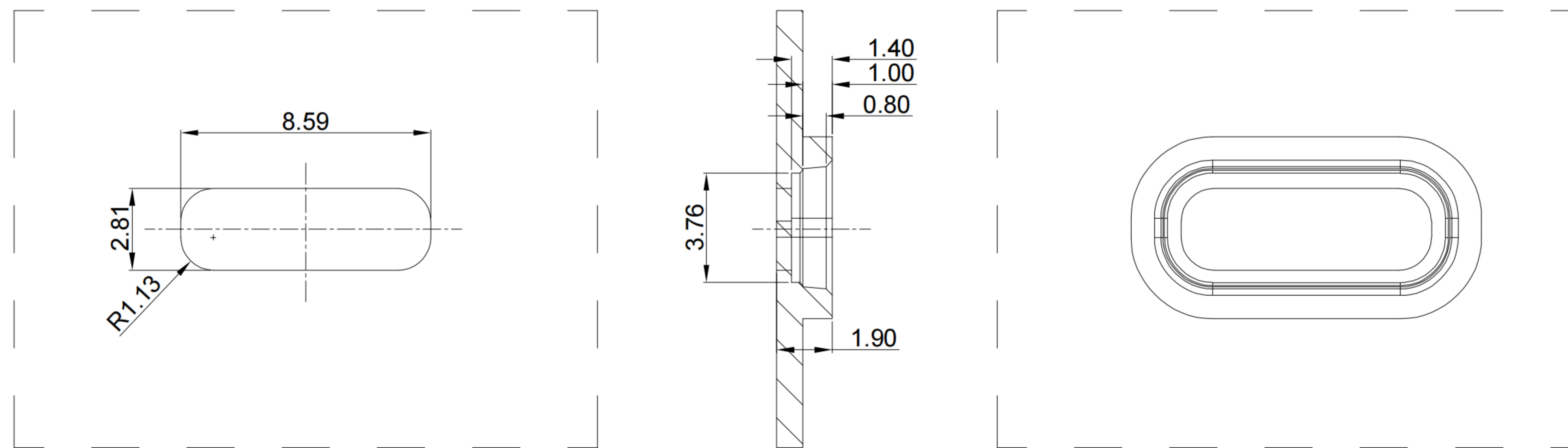
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4

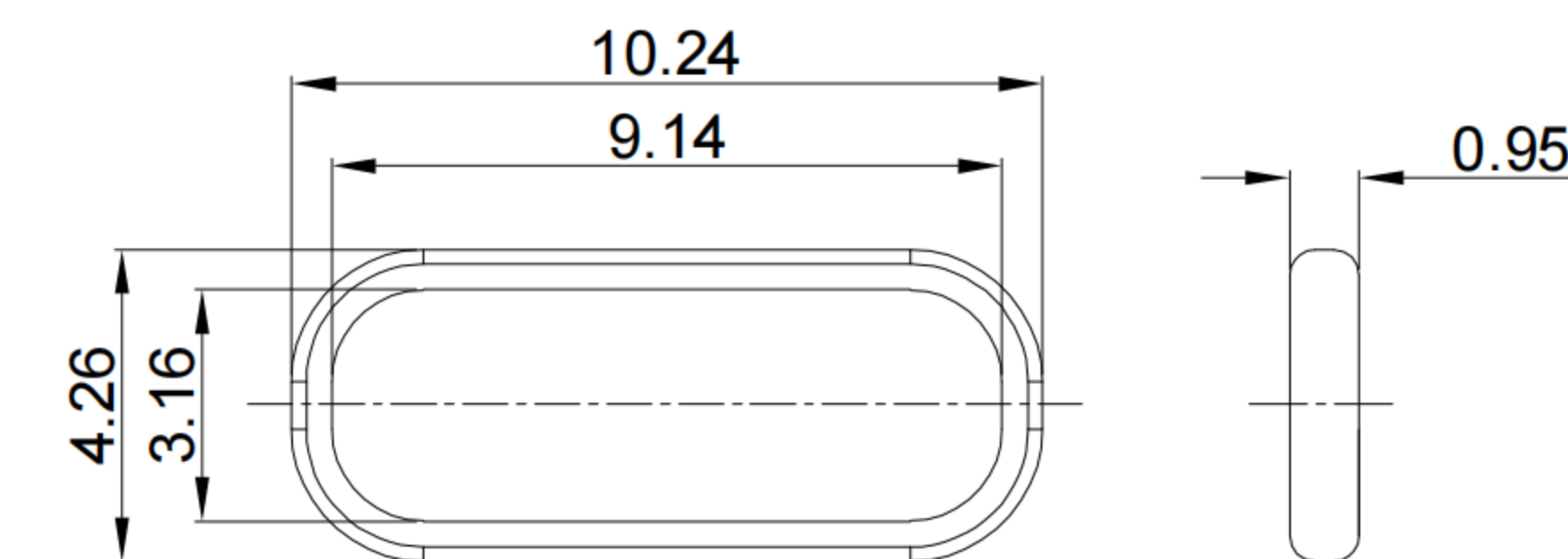
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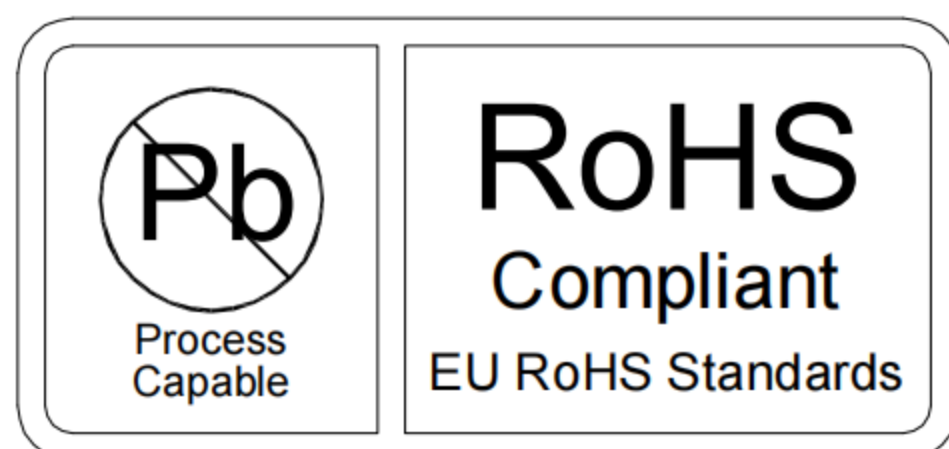
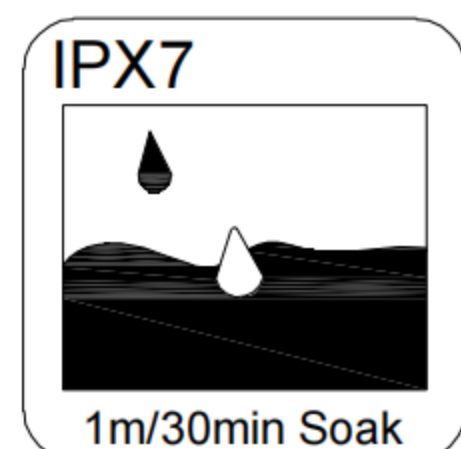
COMPRESSION RATIO TO BE 30%-40%
FOR REFERENCE ONLY



RECOMMEND OPEN DIMENSION OF CASE
TOLERANCE ±0.03mm



O-RING MATERIAL: SILICA GEL



SCALE: 3:1 UNIT: mm
SIZE: A4

Title: Horizontal Type-c 24P Female Sinker1.0
CH=0.65 L=9.0mm Package drawing

Unless otherwise
General Tolerance:
X. ±0.25
X.x ±0.20
X.xx ±0.15
X.xxx ±0.10
Angles ±5°

Molde Code: GT-USB-7062

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2022.12.06



REV: A0 SHEET: 2/2