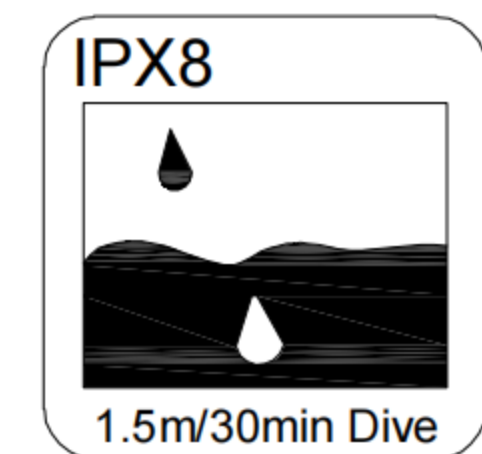
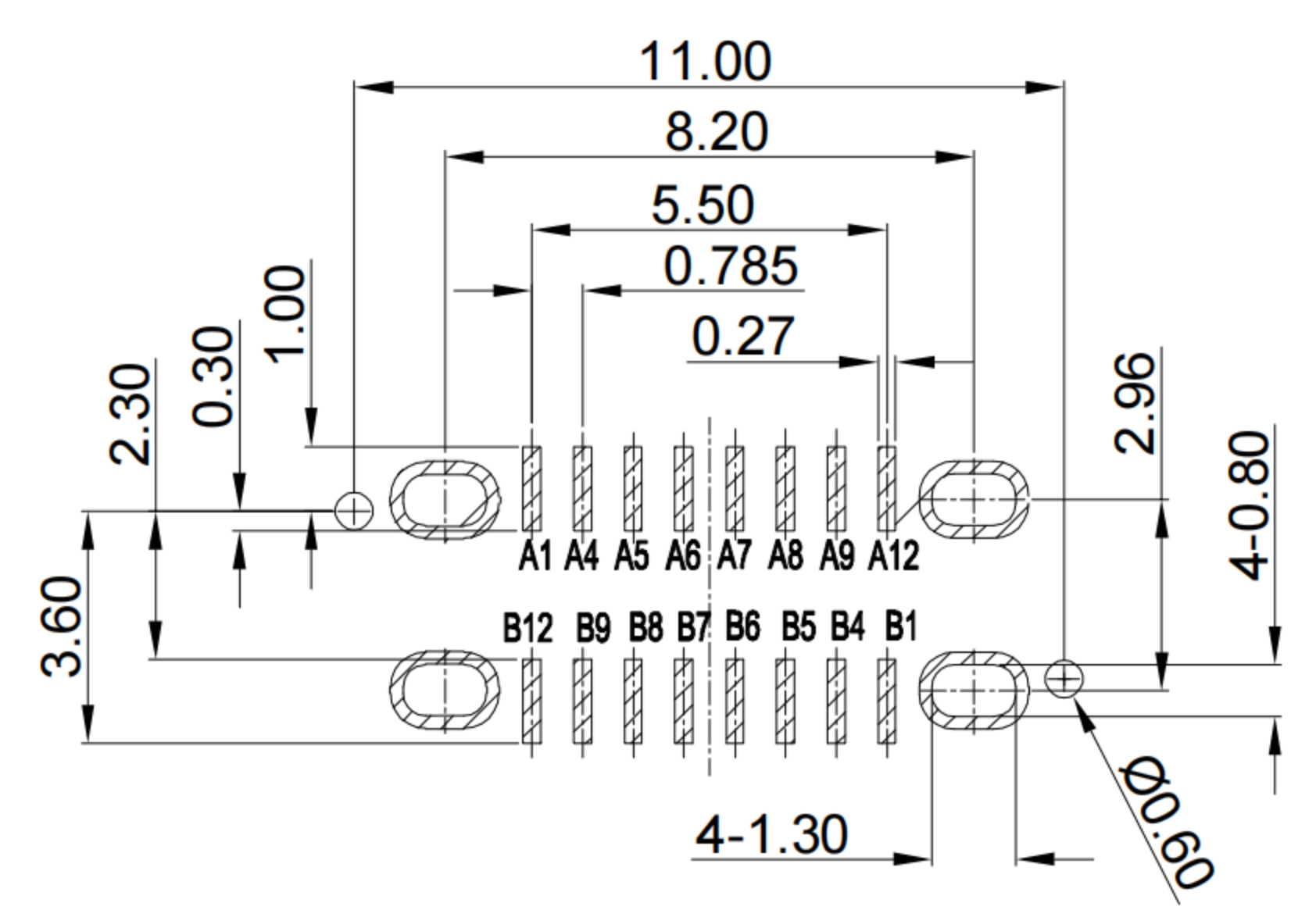
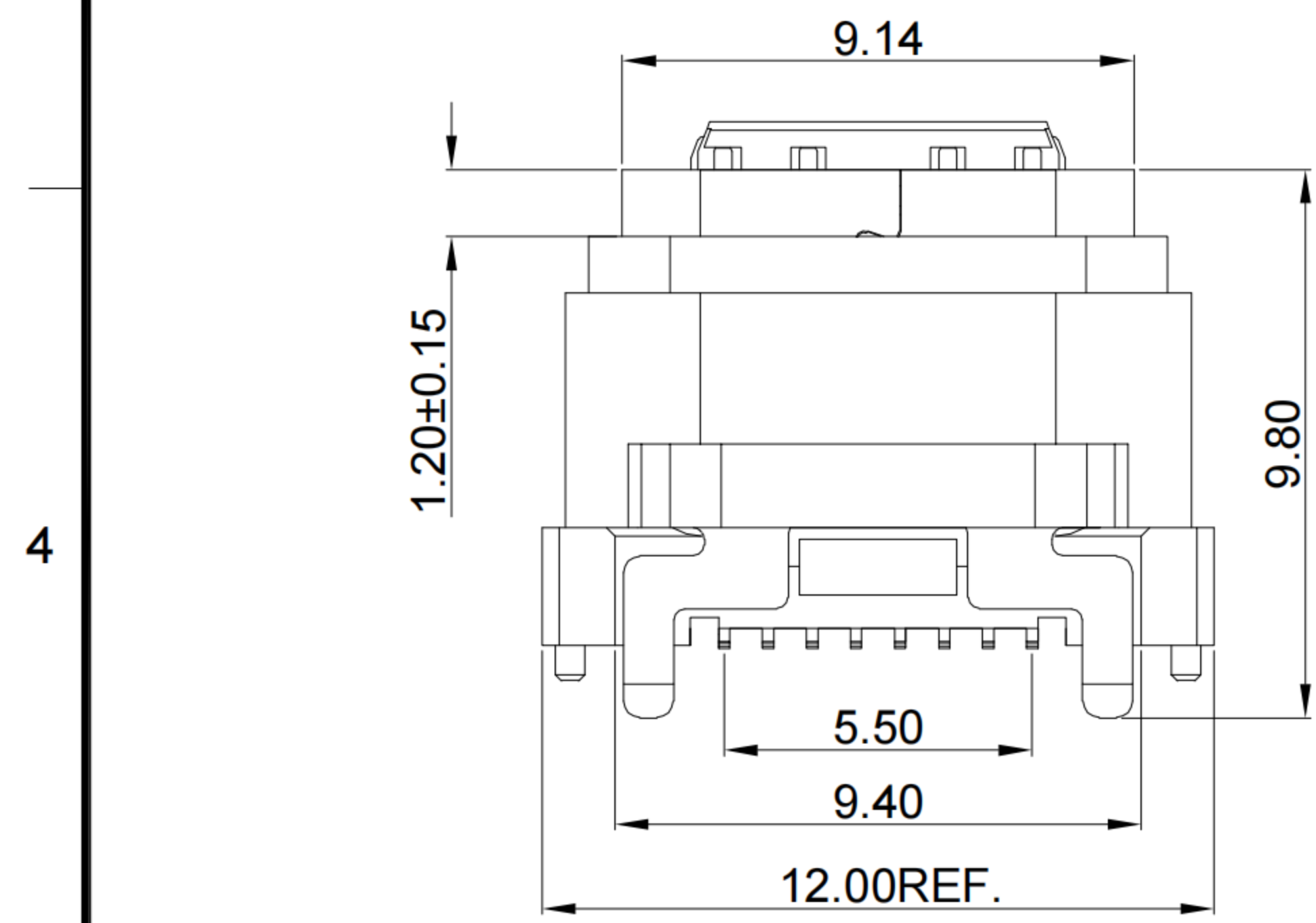


**G-Switch USB-C Specification:**

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
9. 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 P.C.B. LAYOUT (T:1.00mm)  
TOLERANCE UNSPECIFIED ±0.05mm

1	SHELL	STAINLESS STEEL	NI PLATED
2	MIDDLE PLATE	STAINLESS STEEL	--
3	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
5	CAP	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
NO.	PARTS	MATERIAL	REMARKS



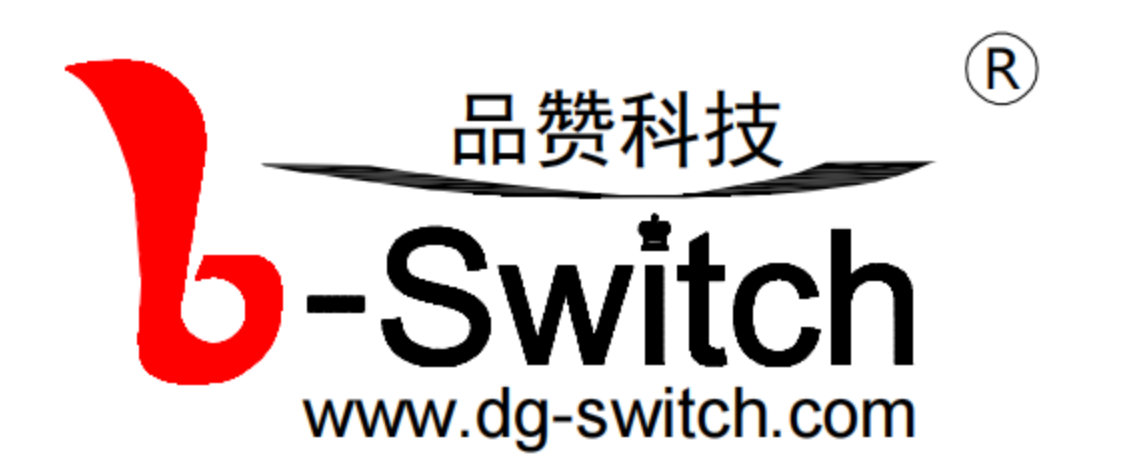
SCALE: 1:1 UNIT: mm  
SIZE: A4

Title: Vertical Type-c 16P Female  
SMT H=8.5mm

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-7096C

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 1/3



A

B

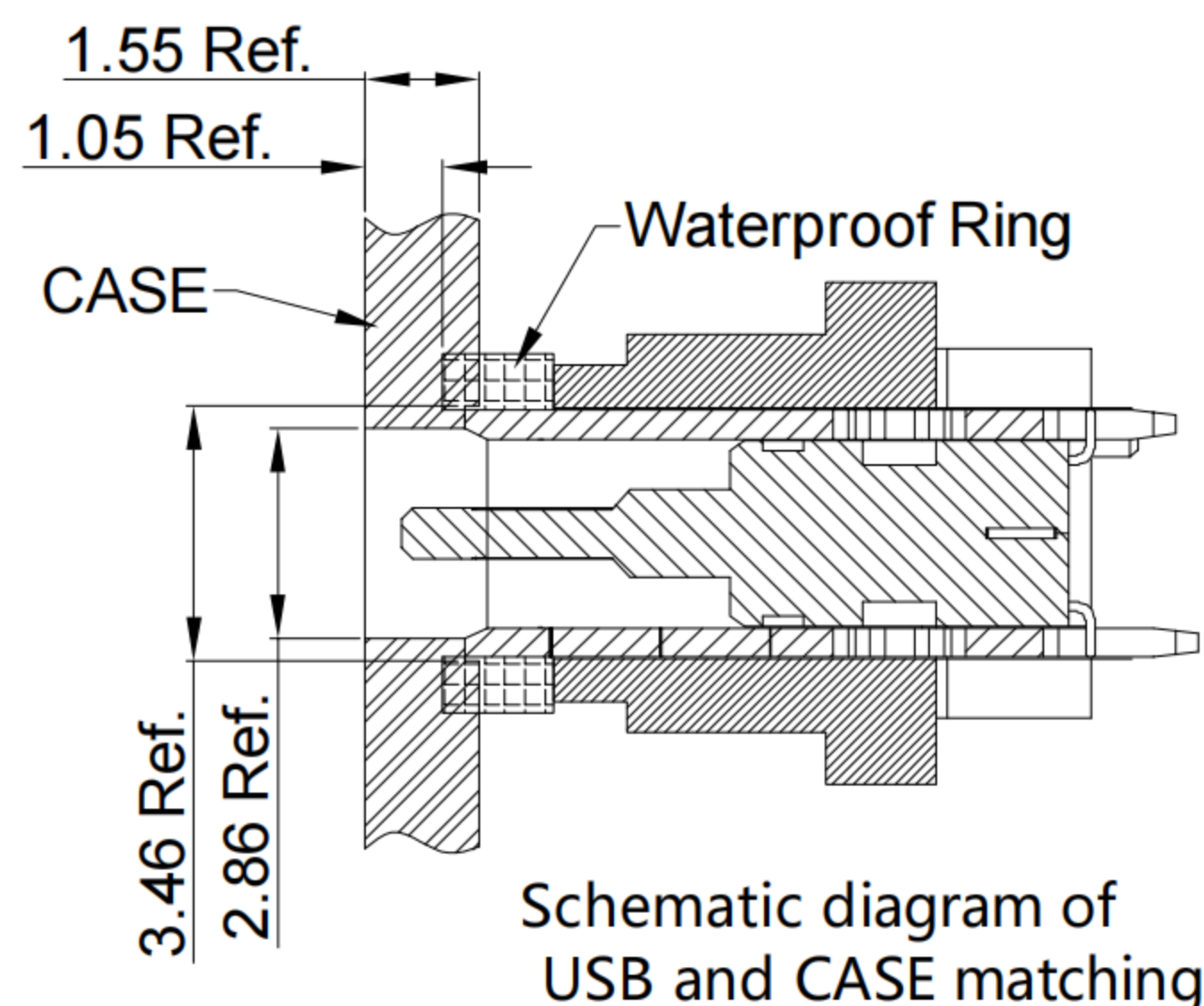
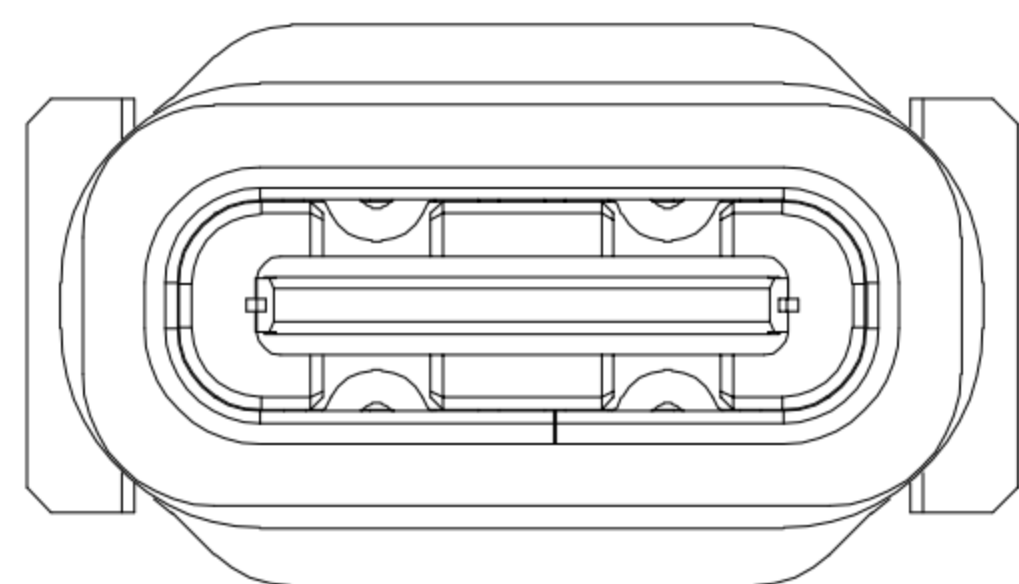
C

D

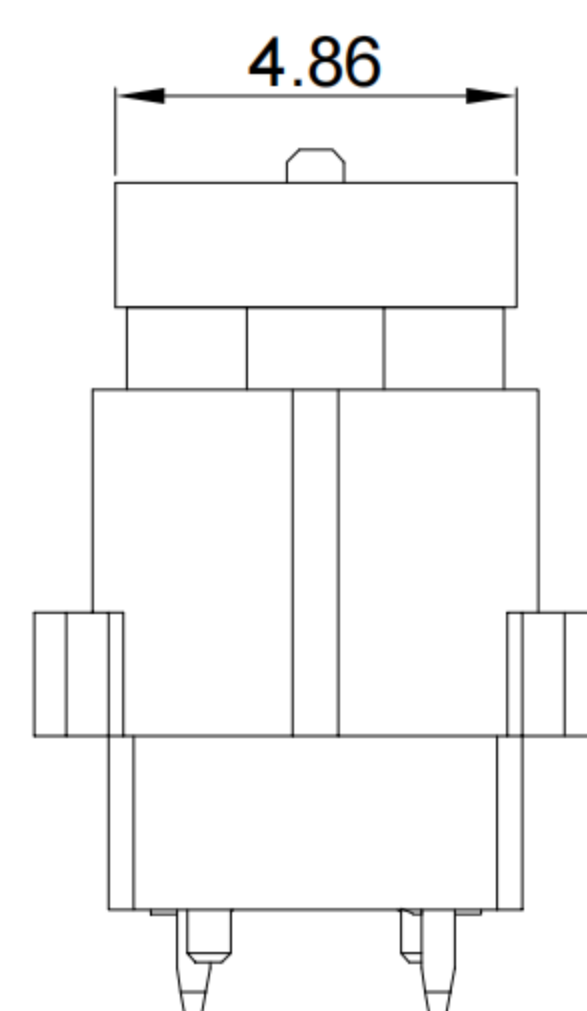
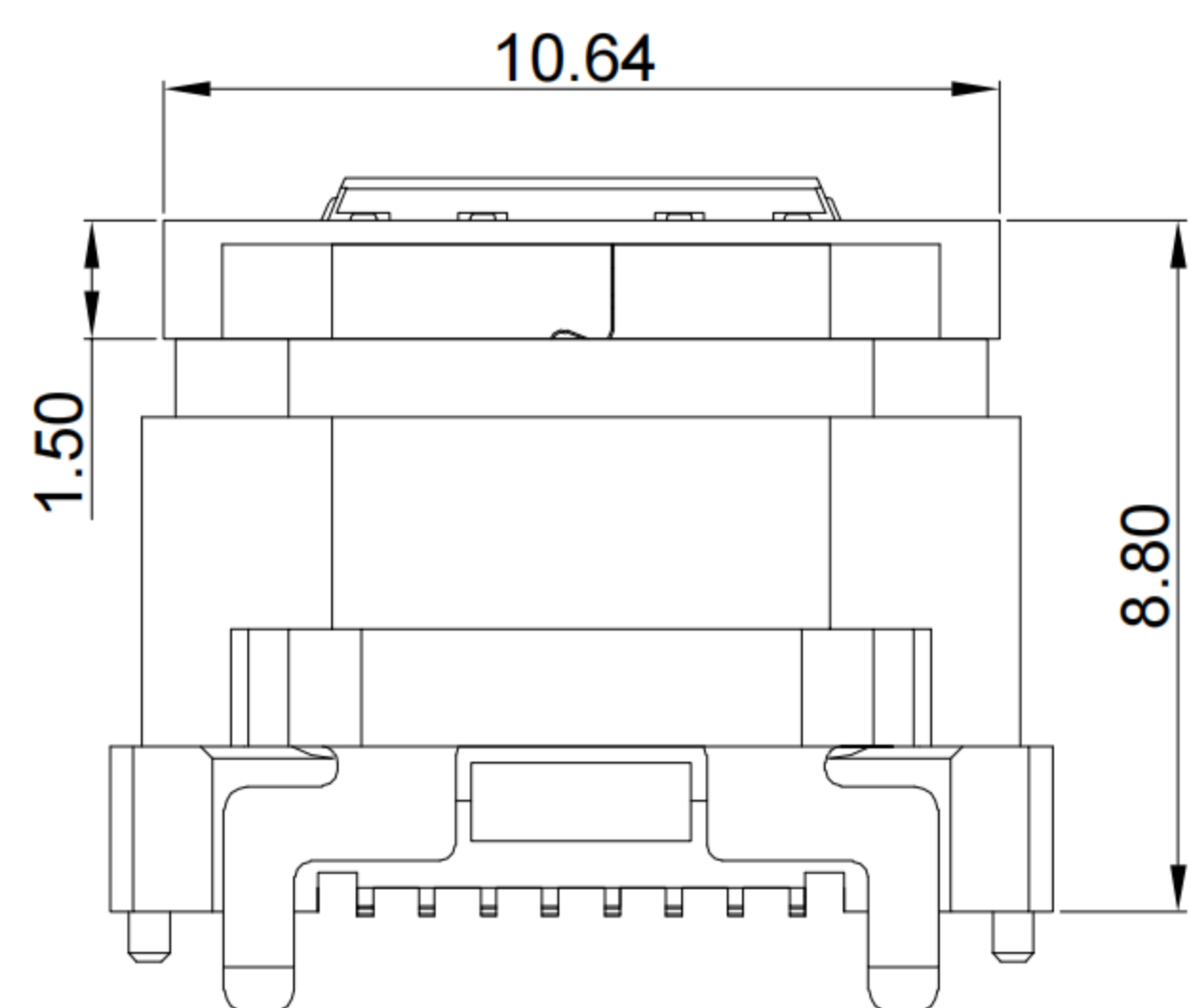
E

1

Schematic diagram of adding water-proof ring



2

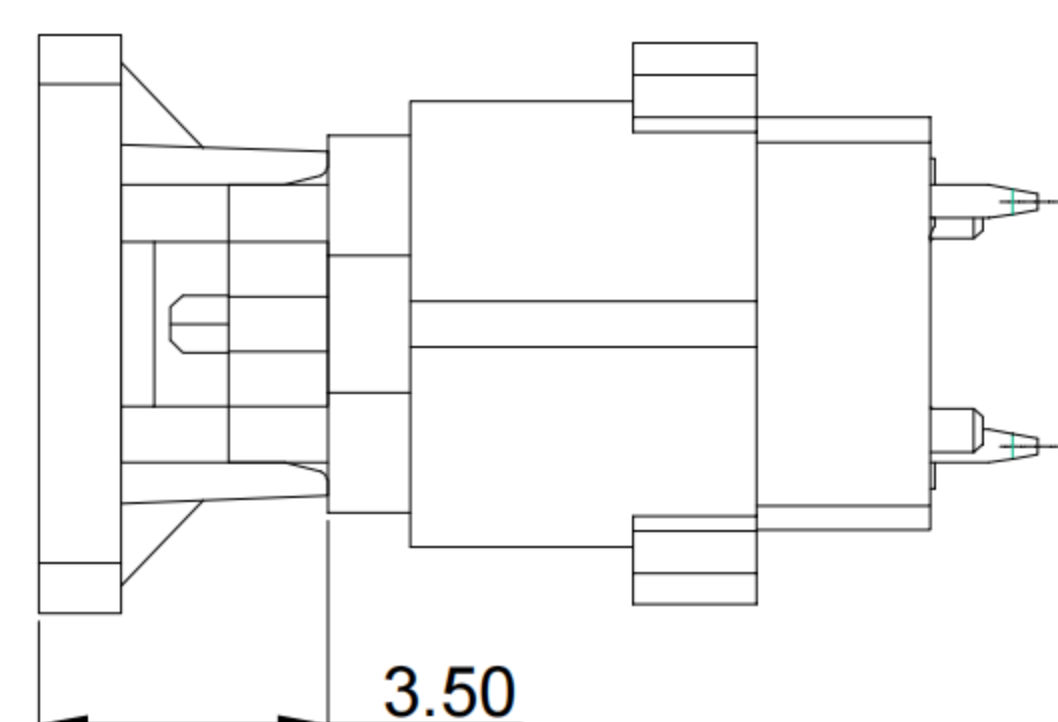
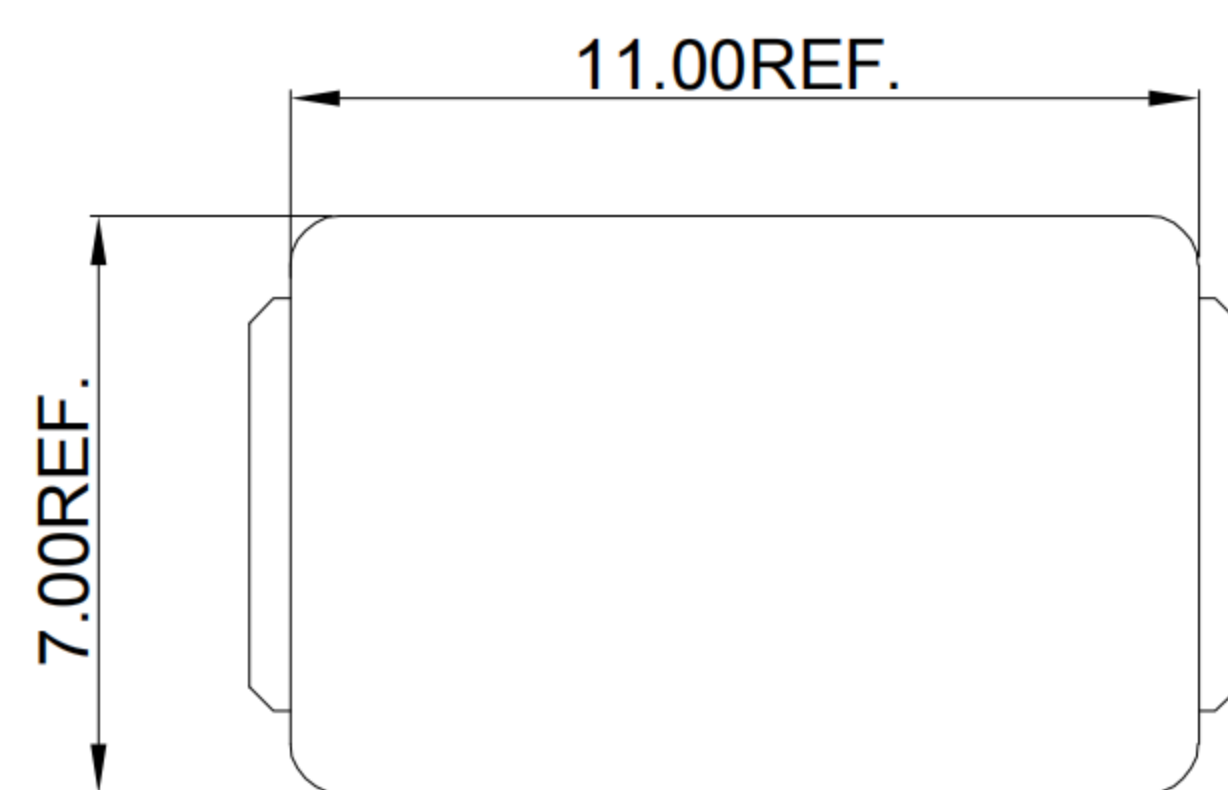


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- 8.Durability Cycle:10,000 Cycles
- 9.Waterproof Grade: IP-X8.

3

Schematic diagram of adding CAP

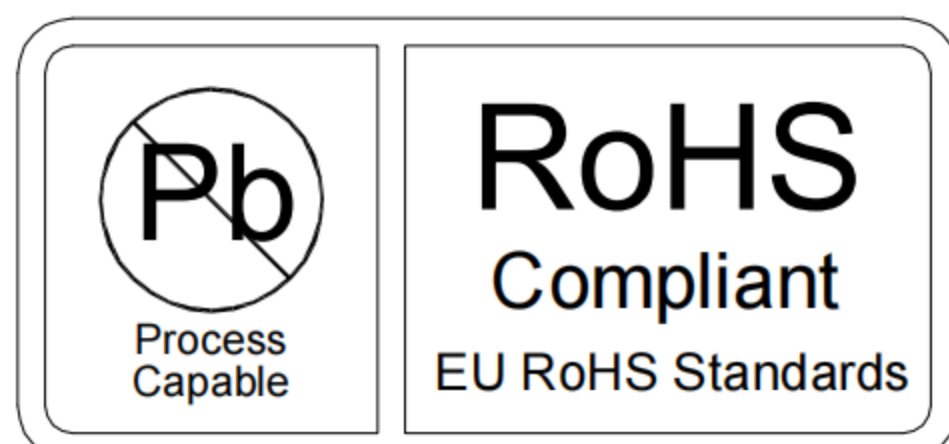
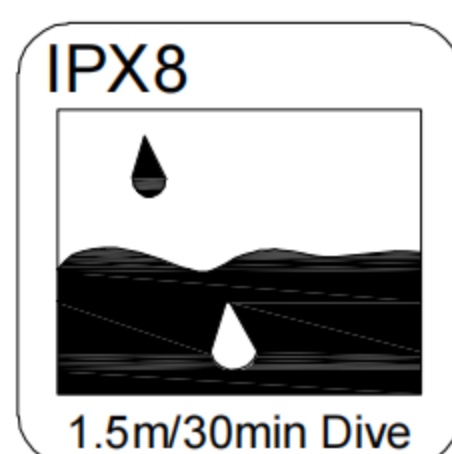


A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
First			First	Second	Second	Second	Second	First			First
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
First			First	Second	Second	Second	Second	First			First

4

5

1	SHELL	STAINLESS STEEL	NI PLATED
2	MIDDLE PLATE	STAINLESS STEEL	--
3	HOUSING	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
4	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
5	CAP	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
NO.	PARTS	MATERIAL	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: Vertical Type-c 16P Female  
 SMT H=8.5mm

Molde Code: GT-USB-7096C

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 2/3