

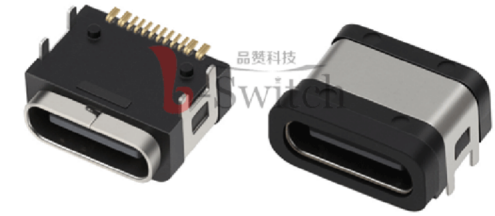
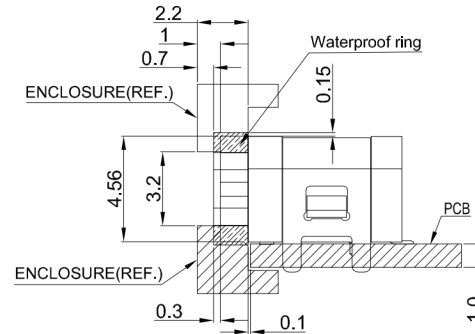
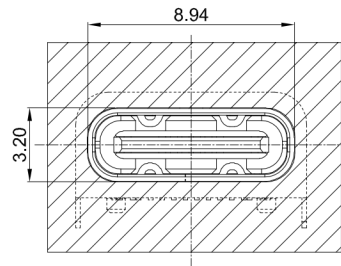
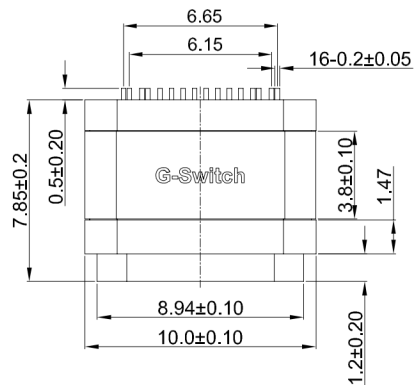
A

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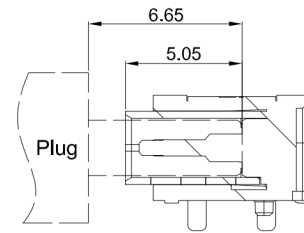
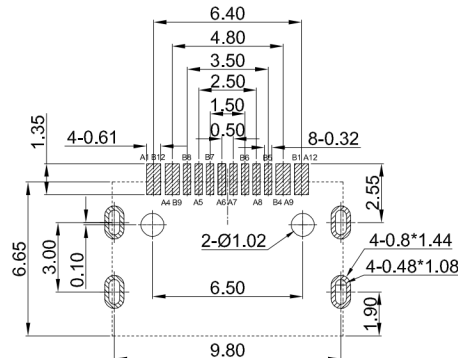
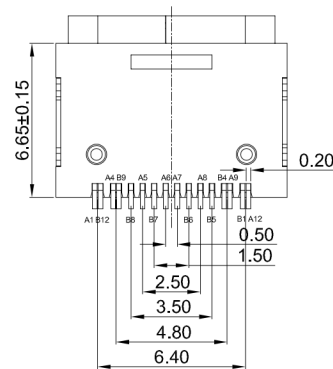
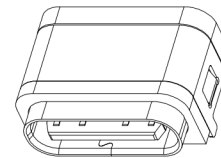
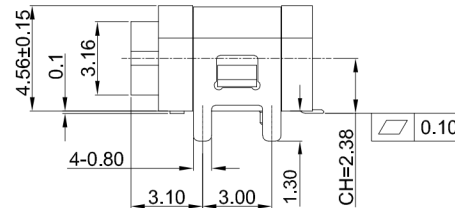
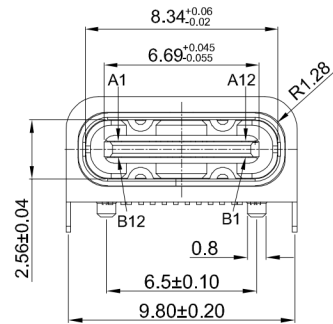
C

D

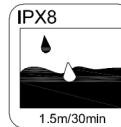
E



RECOMMENDED ASSEMBLY DRAWING



AFTER MATING

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: 8N~20N
- 8.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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL	SUS304 Ni PLATED
2	SHEATH	HIGH TEMPERATURE PLASTIC	PA46 BLACK UL 94 V-0
3	MID PLATE	STAINLESS STEEL	SUS301 Ni PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY(C7025)	Au PLATING ON CONTACT AREA
6	WATERPROOF RING	SILICA GEL	BLACK

SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 16P Female SMT CH=2.38 L=7.85mm			
SIZE: A4		Molde Code: GT-USB-7070A01			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X.	±0.40	Xia	Chen	Chen	2023.02.01
X.x	±0.30				
X.xx	±0.20				
Angles	±5°				



REV: A0 SHEET: 1/2

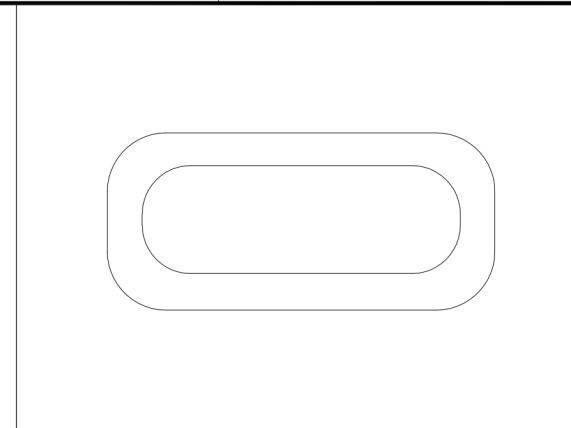
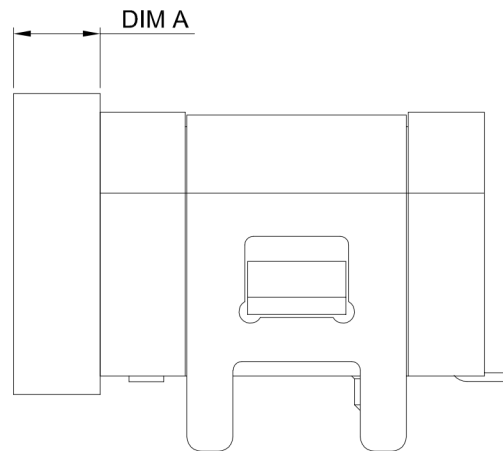
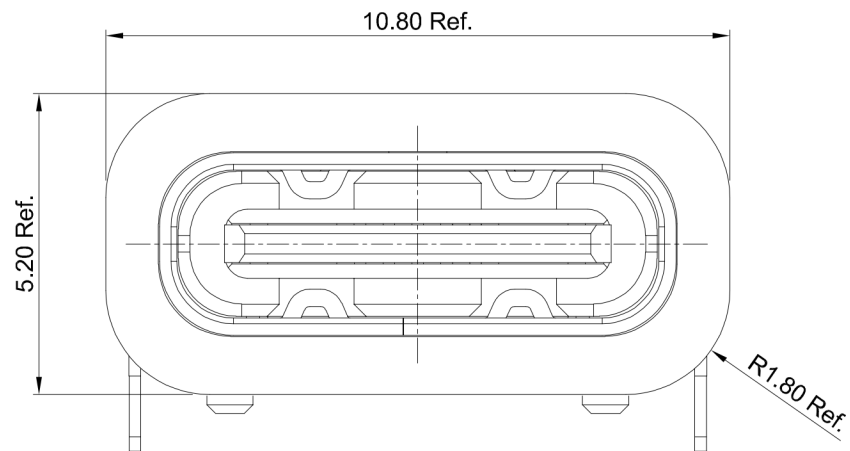
A

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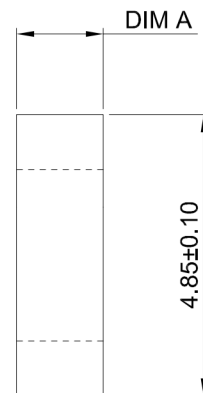
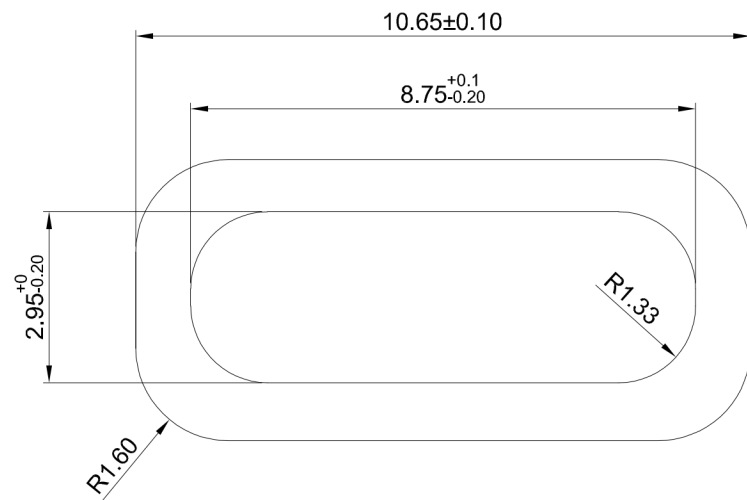
C

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E



Schematic diagram of waterproof ring installation



DIM A	MOLDE CODE
0.9	GT-USB-7070A01-3
1.2	GT-USB-7070A01-2
1.5	GT-USB-7070A01

G-Switch USB-C Specification:

1. Material: silicone complies with ROHS 2.0
2. Color: black
3. Hardness: 55+10 HD
4. Edge 0.10mm/max, no shortage of glue, poor damage, high temperature resistance of 260 .

SCALE: 1:1 UNIT: mm
SIZE: A4

Title: Horizontal Type-c 16P Female SMT
CH=2.38 L=7.85mm Waterproof Ring

Unless otherwise
General Tolerance:

X. ±0.40
X.x ±0.30
X.xx ±0.20
Angles ±5°

Molde Code: GT-USB-7070A01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技
b-Switch
www.dg-switch.com

REV: A0

SHEET: 2/2



A

B

C

D

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