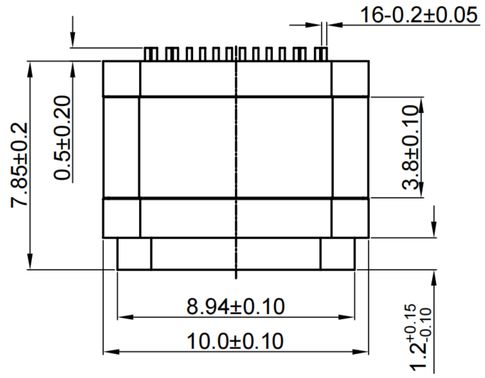
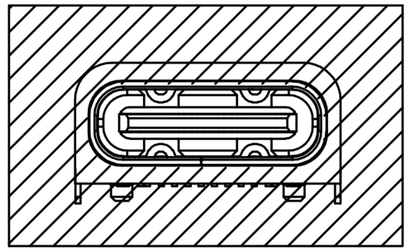
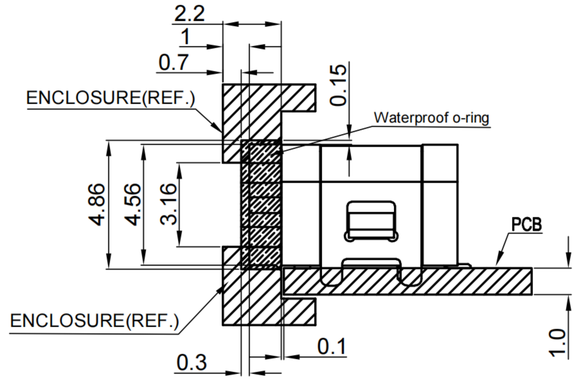
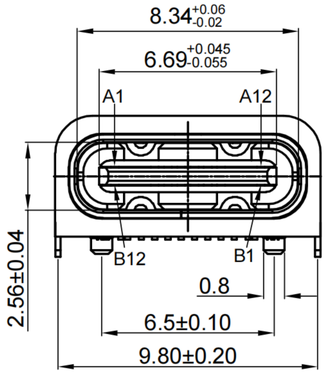
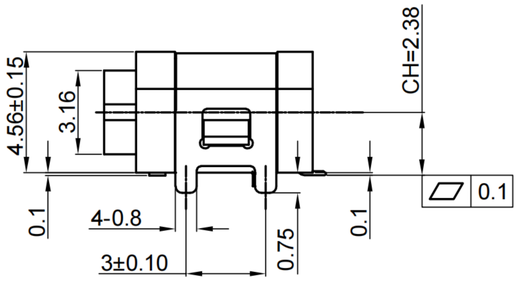


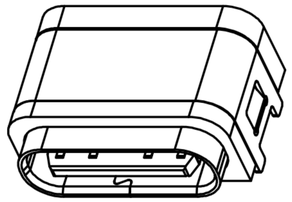




RECOMMENDED ASSEMBLY DRAWING

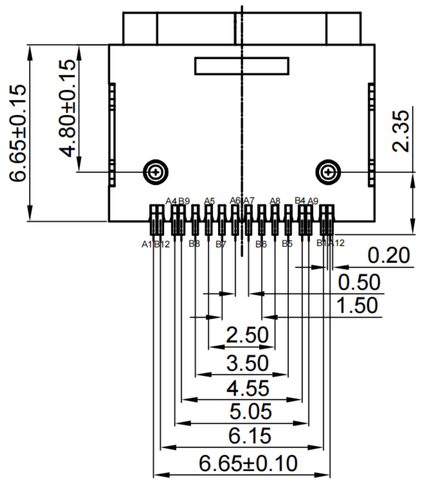


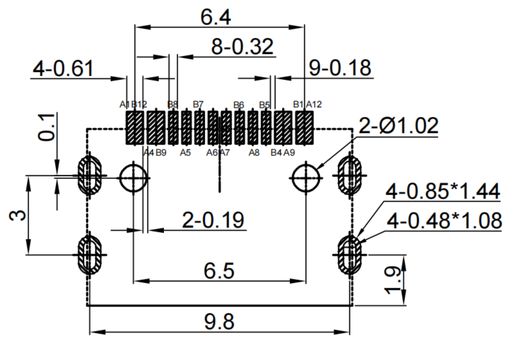




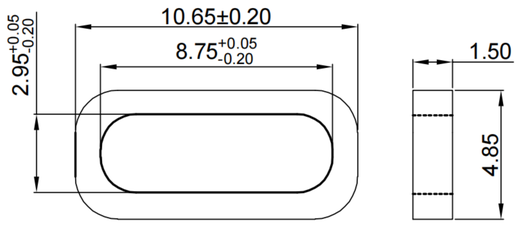
G-Switch USB-C Specification:

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.Waterproof grade: IP-X8





RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



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	NI PLATED
2	SHEATH	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
3	MID PLATE	STAINLESS STEEL	NI PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
5	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
6	WATERPROOF RING	SILICA GEL	Black UL 94 V-0

IPX8
1.5m/30min

Pb Process Capable

RoHS Compliant 2002/95/EC

HALOGEN Compliant Halogen Free

SCALE: 1:1	UNIT: mm	Title:	Horizontal Type-c 16P Female SMT CH=2.38 L=7.85mm
SIZE: A4			
Unless otherwise General Tolerance:		Molde Code:	GT-USB-7070A04
X. ±0.20			
X.x ±0.15			
X.xx ±0.10			
X.xxx ±0.05			
Angles ±3°			

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技 b-Switch ®

REV: A0 SHEET: 1/1