

A

B

C

D

E

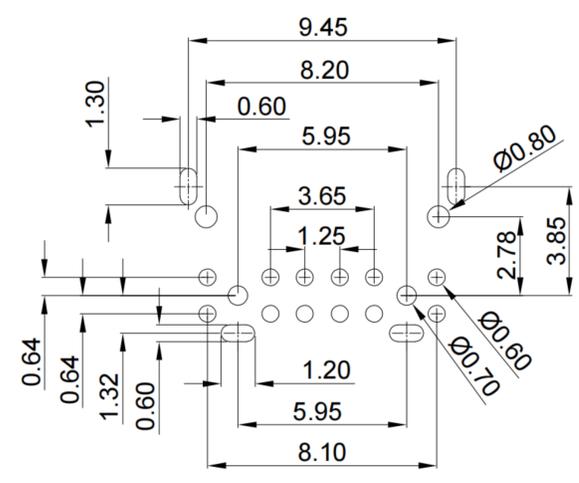
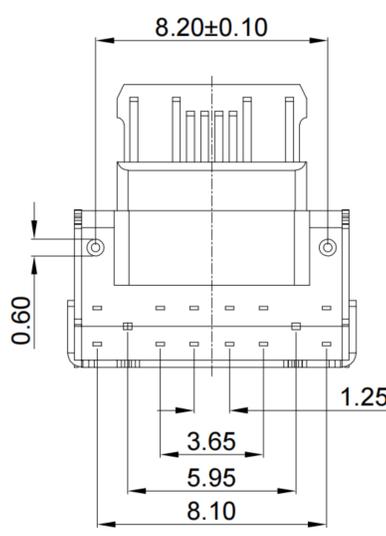
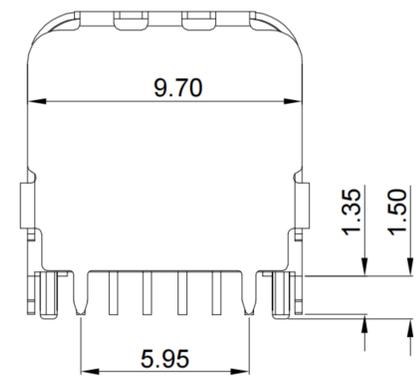
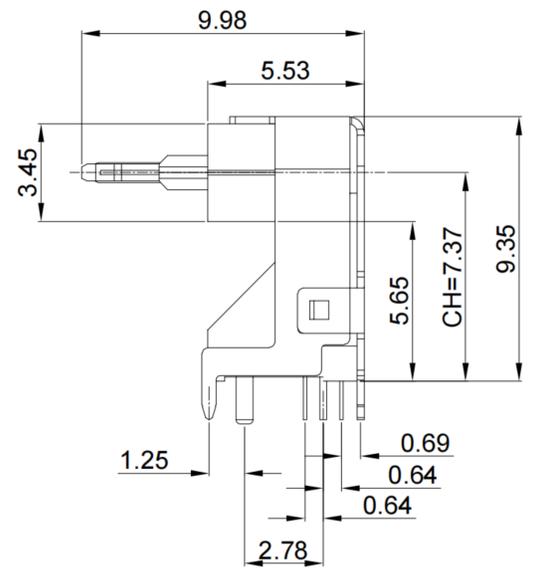
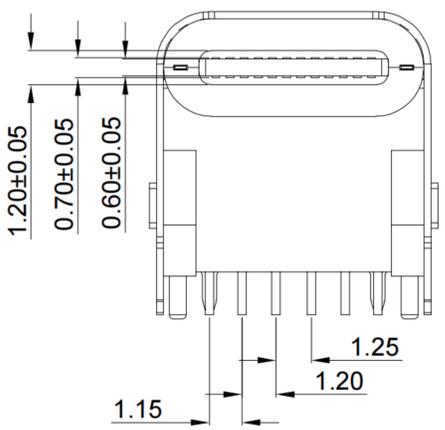
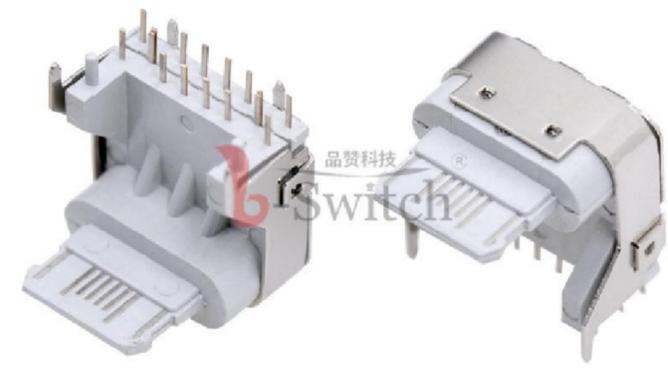
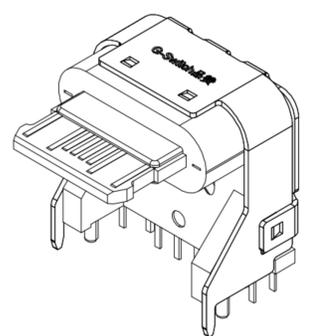
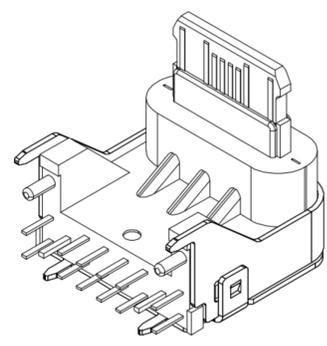
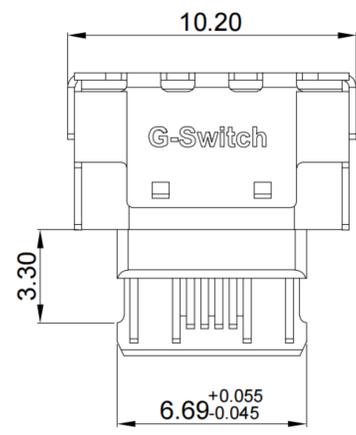
1

2

3

4

5



G-Switch USB-C Specification:

- 1.Current rated: 3A on vbus/1.25A on vconn/0.25A on other
Voltage rating: 5V 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

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 PCB LAYOUT
TOLERANCE:±0.05

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

Pb
Process
Capable

RoHS
Compliant
EU RoHS Standards

HALOGEN
Compliant
Halogen Free

SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 16P Female DIP Pad up CH=7.37 H=9.35mm	
SIZE: A4		Molde Code: GT-USB-7089A	
Unless otherwise General Tolerance:		DRAWN	CHECKED
X.	±0.35	APPROVED	DATE
X.x	±0.25	Xia	Chen
X.xx	±0.15	Chen	2023.02.01
X.xxx	±0.05		
X°	±1°		



REV: A0 SHEET: 1/1