

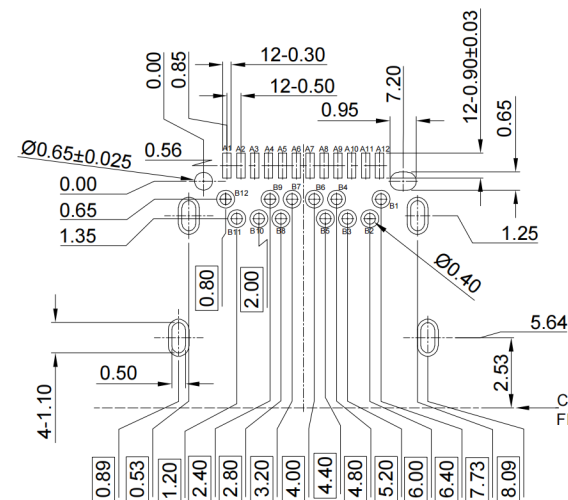
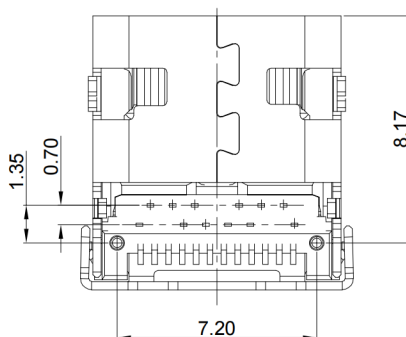
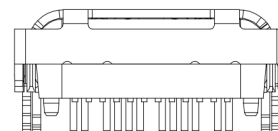
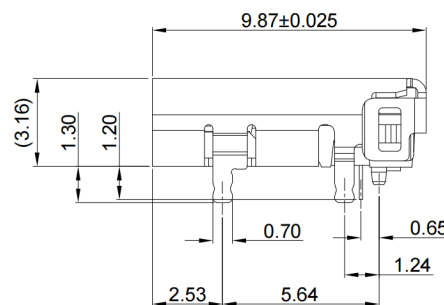
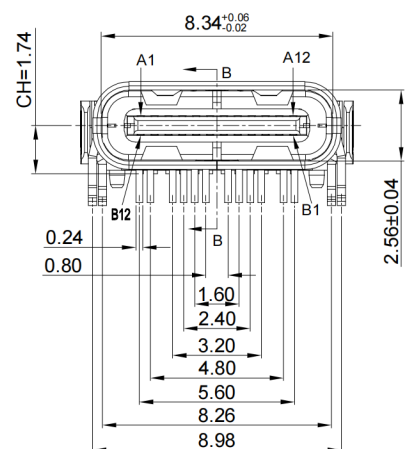
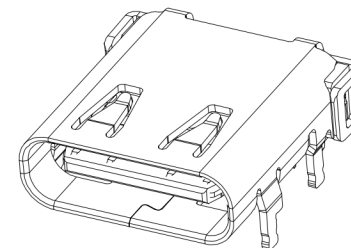
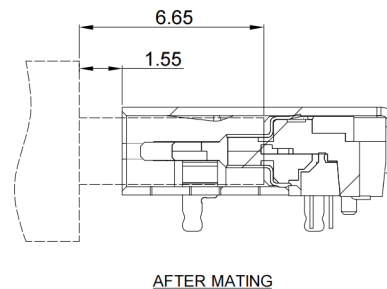
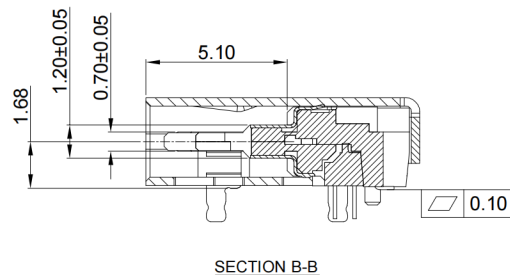
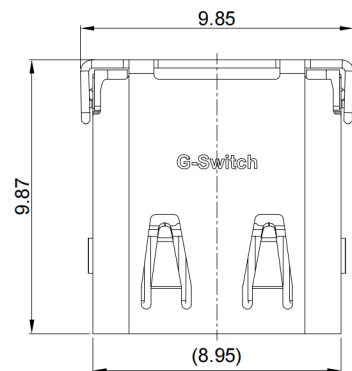
A

B

C

D

E

CONNECTOR
FRONT EDGE**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

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	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	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL	Ni30u"Min PLATED
2	GND PLATE	STAINLESS STEEL	CLEAN
3	MID PLATE	STAINLESS STEEL	Ni30u"Min PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK OR NATURAL UL 94V-0
5	TERMINALS	COPPER ALLOY	Au1u" PLATING ON CONTACT AREA

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05SCALE: 1:1
UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X° ±10°
X.x° ±8°Title: Horizontal Type-c 24P Female
SMT+DIP CH=1.74 L=9.87mm

Molde Code: GT-USB-7003AG

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技®
b-Switch
www.dg-switch.com

REV: A0
SHEET: 1/1