

A

B

C

D

E

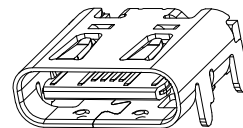
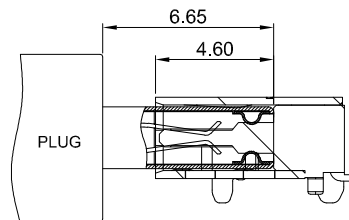
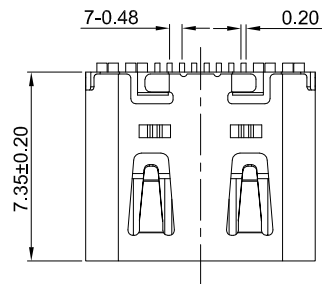
A

B

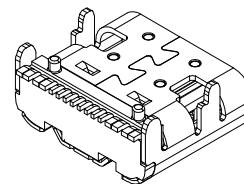
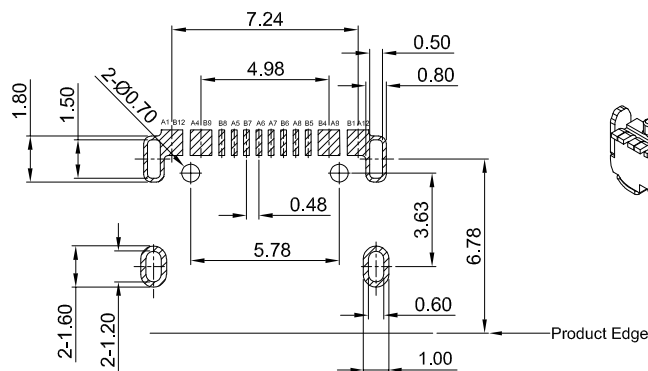
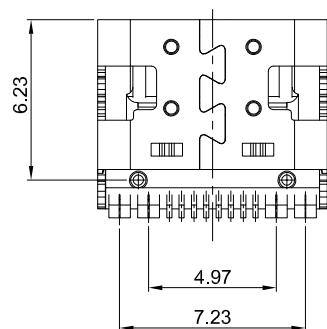
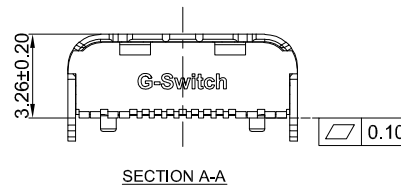
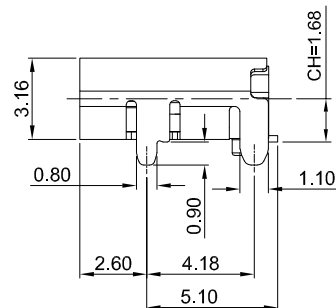
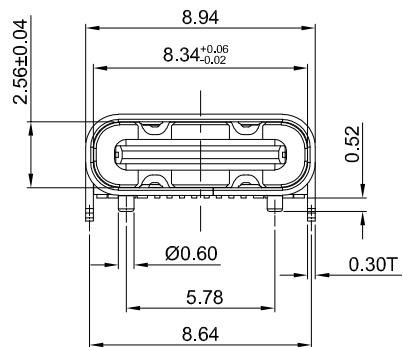
C

D

E



AFTER MATING

PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

1	SHELL	STAINLESS STEEL304	NI PLATED
2	TERMINALS	HIGH CONDUCTIVITY COPPER	Au PLATING ON CONTACT AREA G/F PLATING ON SOLDER AREA
3	MID PLATE	STAINLESS STEEL301	NI PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
NO.	PARTS	MATERIAL	REMARKS

SCALE: 1:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X. ±0.40
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X° ±5°Title: Horizontal Type-C 16P Female
DIP CH=1.68 L=7.35mm

Molde Code: GT-USB-7010ES02

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.11.13

品贊科技
b-Switch®
www.dg-switch.com

REV: A1 SHEET: 1/1

G-Switch USB-C Specification:

- Current rated: 10A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N, after durability test: 6N~20N
- 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