

A

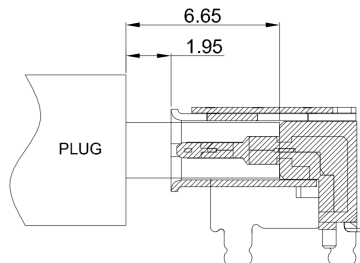
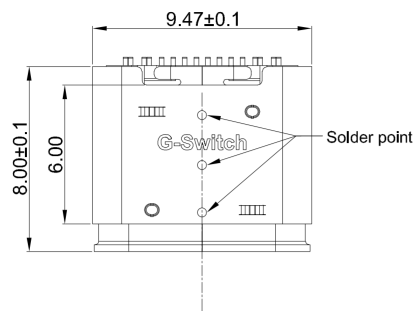
B

C

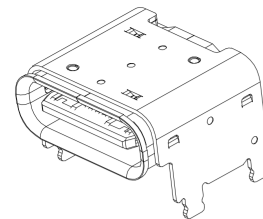
D

E

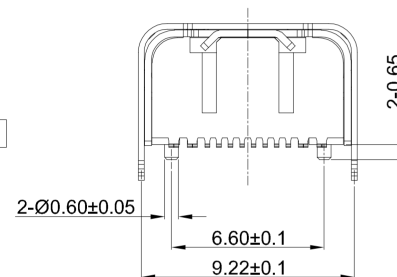
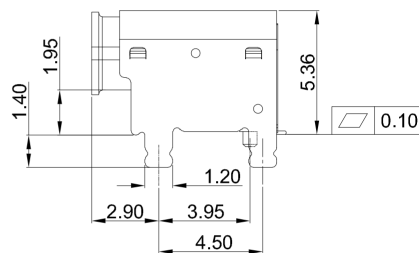
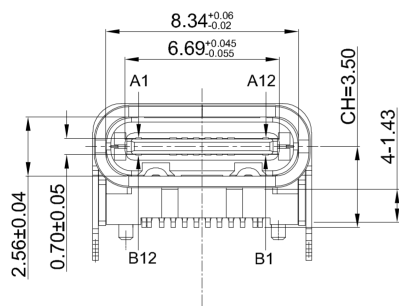
1



AFTER MATING
SCALE 1:1



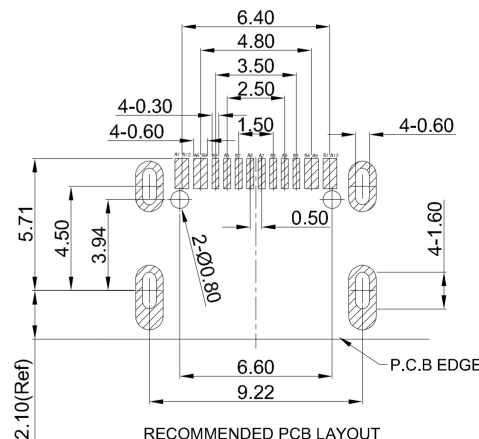
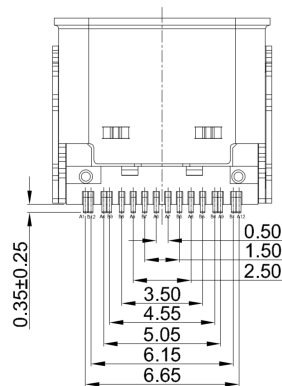
2



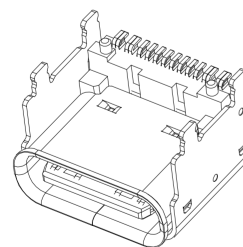
G-Switch USB-C Specification:

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 2.Withstanding voltage: 20V AC
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -30°C ~ +80°C
- 6.Mating force : 5N~20N
- 7.Unmating force: 8N~20N
- 8.Durability cycle:10,000 cycles

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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

4

NO.	PARTS	MATERIAL	REMARKS
1	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
2	CONTACT	COPPER ALLOY C2680	Au PLATED ON CONTACT AREA
3	SHIELDING PLATE	STAINLESS STEEL301	CLEAN
4	INNER SHELL	STAINLESS STEEL304	Ni 30u"PLATED
5	OUTER SHELL	STAINLESS STEEL304	Ni 30u"PLATED

A

B

C

D

E

SCALE: 1:1 UNIT: mm

SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.35
X.x ±0.25
X.xx ±0.15
X.xxx ±0.10
X° ±1°

Title: Horizontal Type-c 16P Female
Pad up 1.95 CH=3.5 L=8.0mm

Molde Code: GT-USB-7016D

DRAWN	CHECKED	APPROVED	DATE
Jiang	Xia	Chen	2023.02.01

品赞科技®
b-Switch
www.dg-switch.com

REV: A0

SHEET: 1/1

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