

1

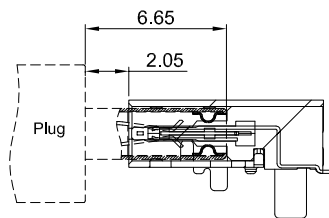
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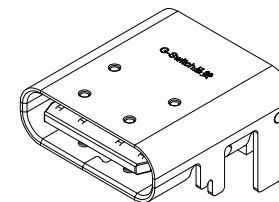
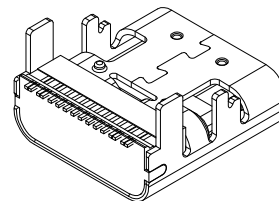
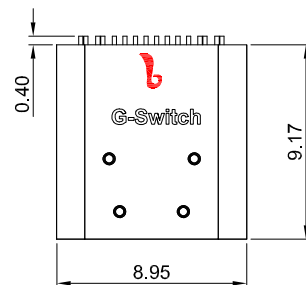
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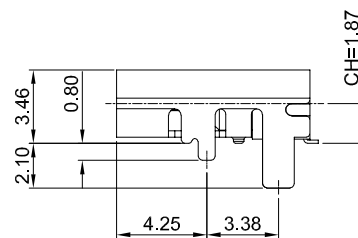
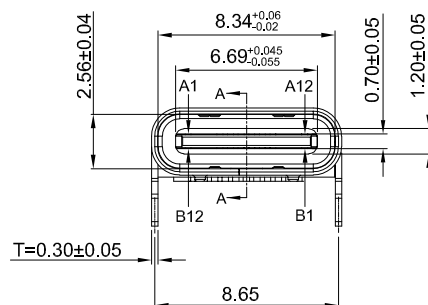
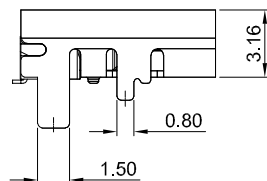
A



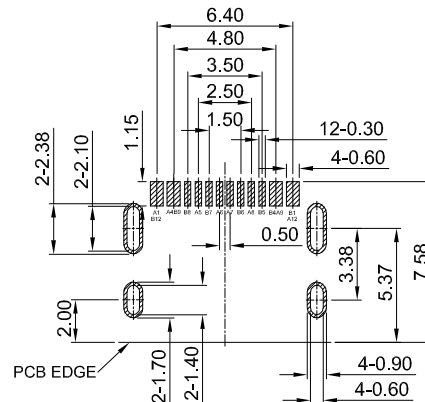
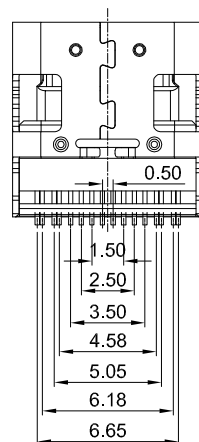
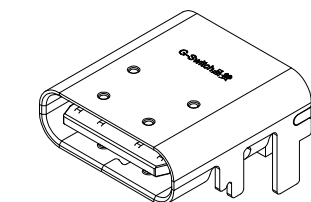
AFTER MATING



B



C

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05**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,after durability test: 6N~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

D

E

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL201	Ni PLATED
2	MID PLATE	STAINLESS STEEL201	--
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C2680	Au PLATING ON CONTACT AREA G/F AND Tin PLATING ON SOLDER AREA

**RoHS**
Compliant
EU RoHS StandardsSCALE: 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
SMT CH=1.87 L=9.17mm

Molde Code: GT-USB-7107C

DRAWN	CHECKED	APPROVED	DATE
Xla	Chen	Chen	2024.11.13

品赞科技
www.dg-switch.com

REV: A0 SHEET: 1/1

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4

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A

B

C

D

E