

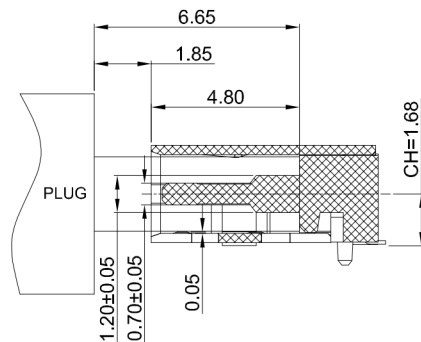
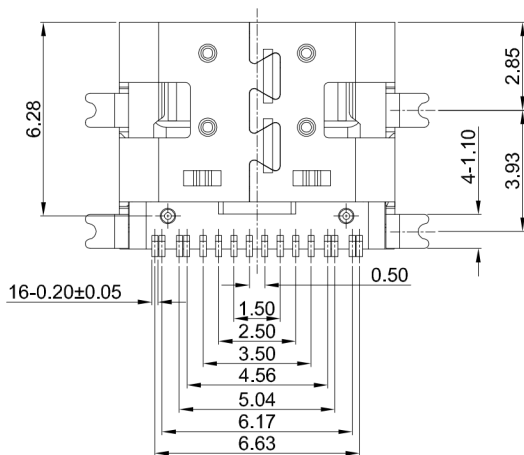
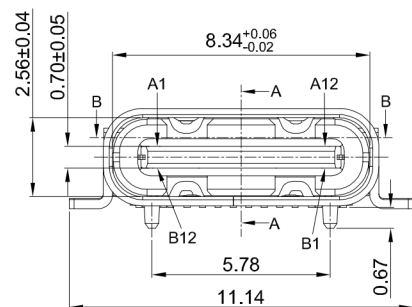
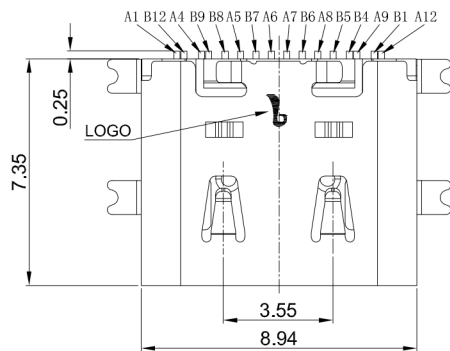
A

B

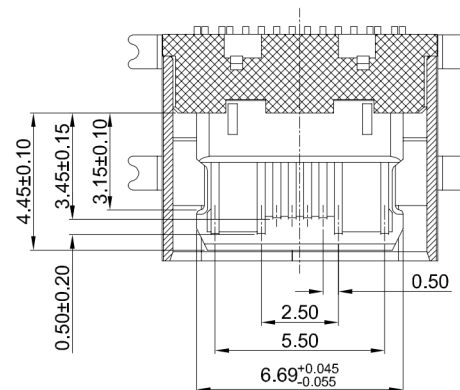
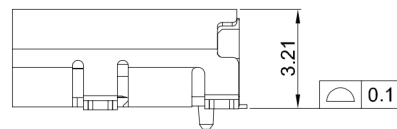
G-Switch Technology (Dongguan) Co., Ltd

D

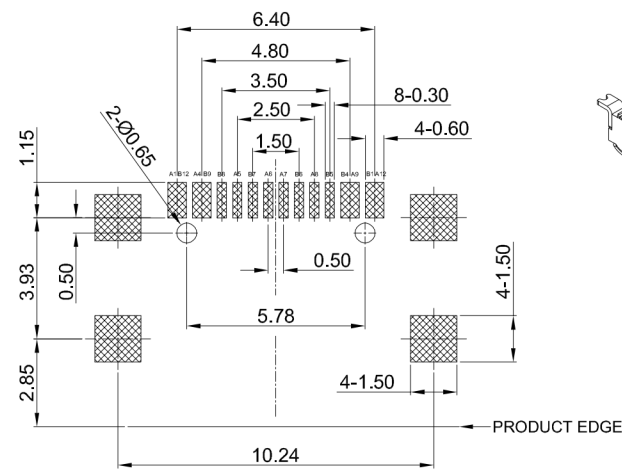
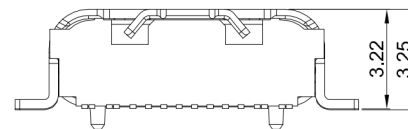
E



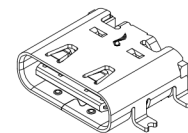
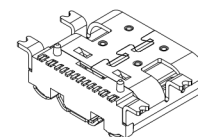
AFTER MATING
SECTION A-A



SECTION B-B



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



G-Switch USB-C Specification:

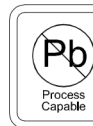
- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 2.Voltage rating: 24V AC
- 3.Withstanding voltage: 100V AC/minute
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -40°C ~ +85°C
- 6.Mating force: 5N~20N
- 7.Unmating force: 8N~20N
- 8.Durability cycle:10,000 cycles
- 9.Compliant with: IEC62680-1-3

USB IF TID:13111

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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL	Ni 30u" Min PLATED
2	MID PLATE	STAINLESS STEEL	CLEAN
3	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY	Au1u" Min PLATING ON CONTACT AREA



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 16P Female SMT CH=1.68 L=7.35mm			
SIZE: A4		Molde Code: GT-USB-9047A			
Unless otherwise General Tolerance: X.x ±0.30 X.xx ±0.20 X.xxx ±0.10 X.x" ±3° X.xx" ±2°		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2020.02.01

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b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1

A

B

G-Switch Technology (Dongguan) Co., Ltd

D

E