

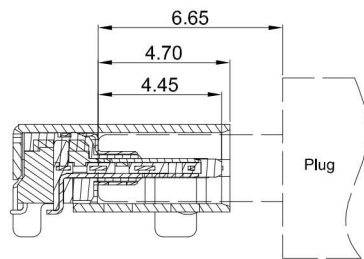
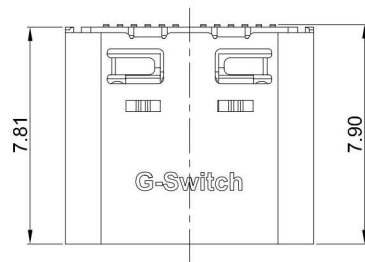
A

B

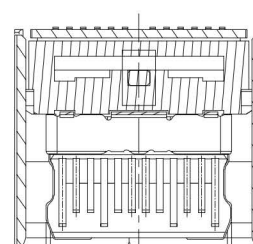
G-Switch Technology (Dongguan) Co., Ltd

D

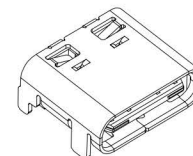
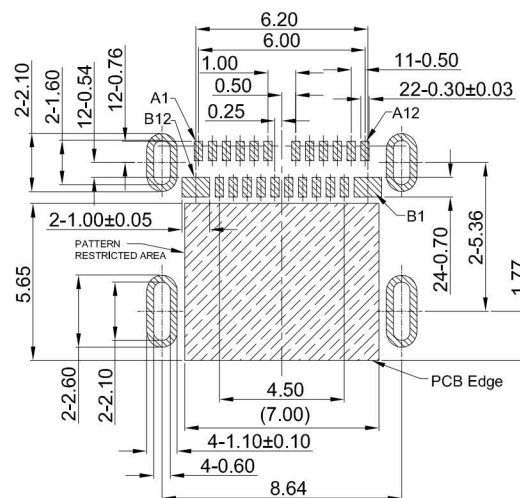
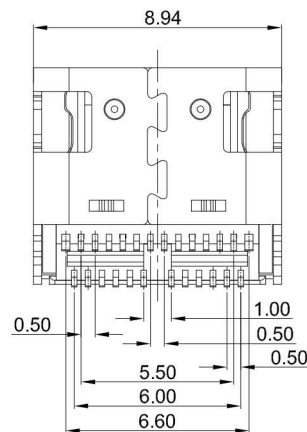
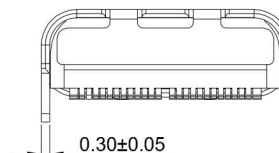
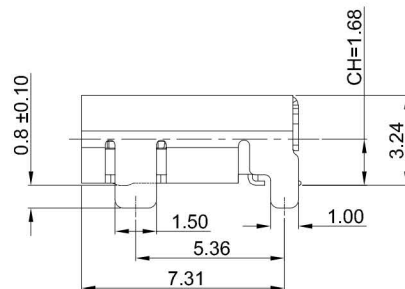
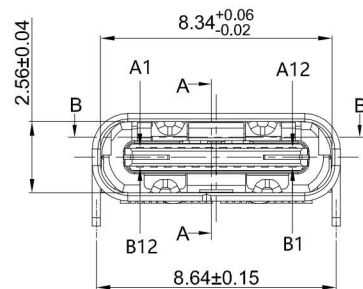
E



SECTION A-A



SECTION B-B



GT-USB-9013M-01	Au1u"
GT-USB-9013M-02	Au30u"

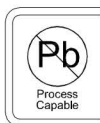
G-Switch USB-C Specification:

- 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
- 9.Data transmission rate up to 10Gbp/s
- 10.Compliant with: IEC62680-1-3

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 STEEL304	Ni30u"MIN PLATED
2	MID PLATE	STAINLESS STEEL301	Ni30u"MIN PLATED
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C7025	Au1u"MIN PLATING ON CONTACT AREA
5	EMI	STAINLESS STEEL304	--

RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05mmRoHS
Compliant
EU RoHS StandardsSCALE: 1:1
UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X.x" ±3°
X.xx" ±2°Title: Horizontal Type-c 24P Female
SMT CH=1.57 L=7.9mm

Molde Code: GT-USB-9013M

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

A

B

G-Switch Technology (Dongguan) Co., Ltd

D

E