

A

B

C

D

E

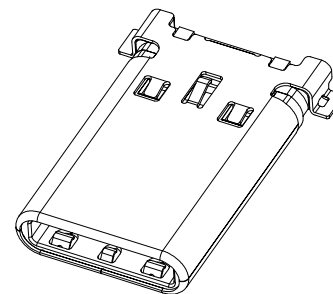
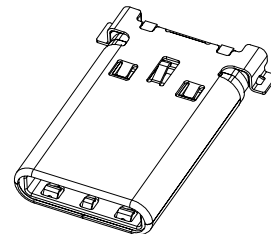
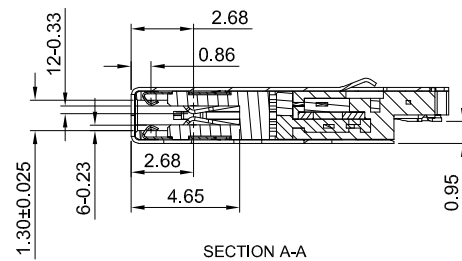
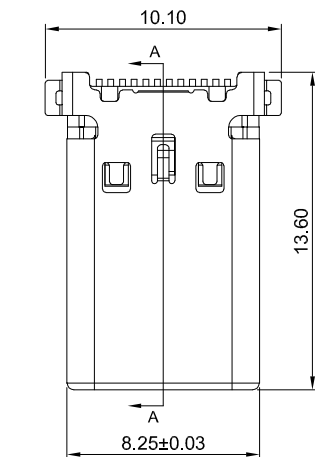
A

B

C

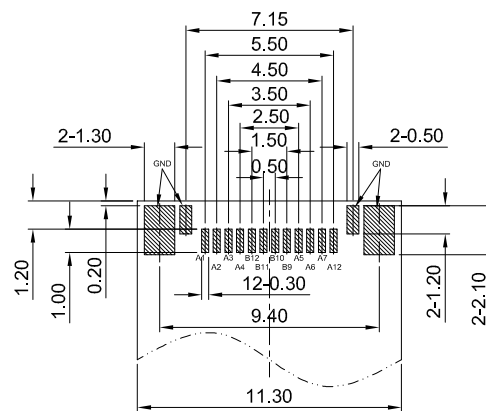
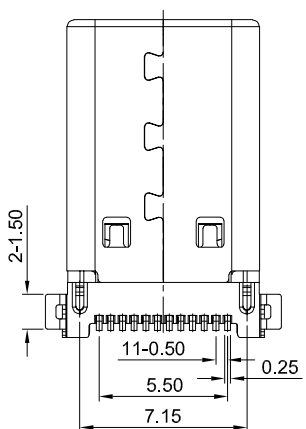
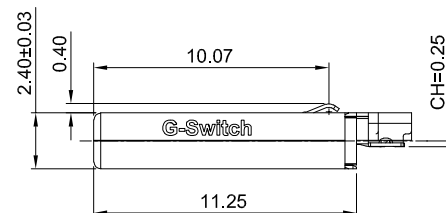
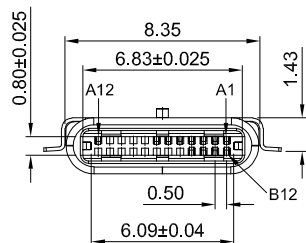
D

E



G-Switch USB-C Specification:

- 1.Current rated: 3.0A
Voltage rating: 5V AC
- 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



PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND					D-	D+	CC1	VBUS	TX1-	TX1+	GND
First					Second	Second	Second	First	Second	Second	First
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
								VBUS	RX1-	RX1+	GND
								First	Second	Second	First

5	EMC SPRING	STAINLESS STEEL 304	CLEAR ONLY
4	TERMINALS	COPPER ALLOY C7025	Au PLATED ON CONTACT AREA Tin PLATED ON SOLDER AREA
3	LATCH	STAINLESS STEEL 301	Ni50u"MIN PLATED
2	HOUSING	LCP	BLACK UL 94V-0
1	SHELL	STAINLESS STEEL 304	Ni30u"MIN PLATED
NO.	NAME	DESCRIPTION	REMARKS



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.40
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X° ±5°

Title: Horizontal Type-C 12P Plug SMT
Mid-Mount 0.95 CH=0.25 L=13.6mm

Molde Code: GT-USB-8013E

DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2025.03.30

品赞科技
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1