

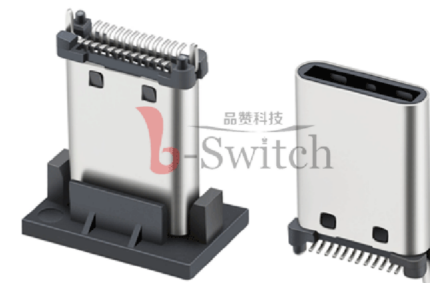
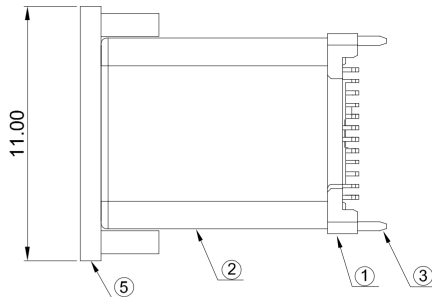
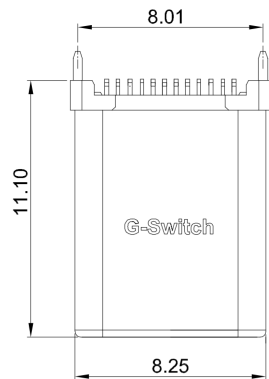
A

B

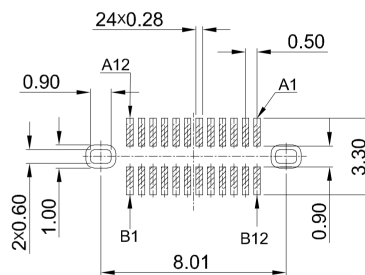
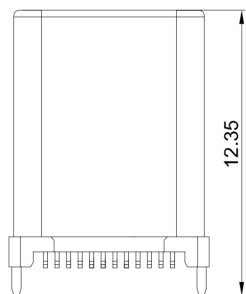
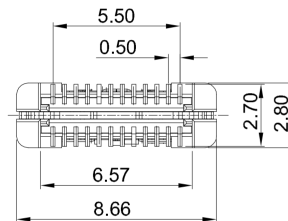
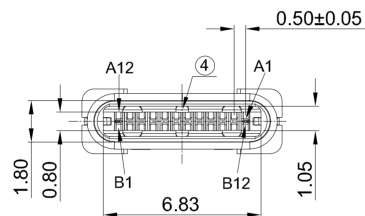
C

D

E

**G-Switch USB-C Specification:**

- 1.Current rated: 3A on vbus/1.25A on vconn/0.25A on other
- 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
- 8.Durability cycle:10,000 cycles



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

A12	A11	A10	A9	A8	A7	A6	A5	A4	A3	A2	A1
GND	RX2+	RX2-	VBUS	SBU1	D-	D+	CC1	VBUS	TX1-	TX1+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First
B1	B2	B3	B4	B5	B6	B7	B8	B9	B10	B11	B12
GND	TX2+	TX2-	VBUS	VCONN			SBU2	VBUS	RX1-	RX1+	GND
First	Second	Second	First	Second			Second	First	Second	Second	First

6	COVER	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
5	SPRING	STAINLESS STEEL	Ni PLATED
4	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
3	LATCH	STAINLESS STEEL	---
2	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
1	SHELL	STAINLESS STEEL	Ni PLATED
NO.	NAME	DESCRIPTION	REMARKS



RoHS
Compliant
EU RoHS Standards



SCALE: 4:1 UNIT: mm

SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.25
X.x ±0.20
X.xx ±0.15
X.xxx ±0.10
X° ±5°

Title: Vertical Type-c 24P Plug
SMT L=11.1mm

Molde Code: GT-USB-8018A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

b-Switch
品赞科技
www.dg-switch.com

REV: A0

SHEET: 1/1

A

B

C

D

E