

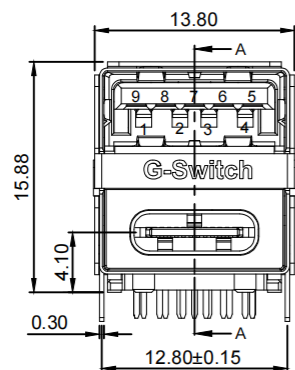
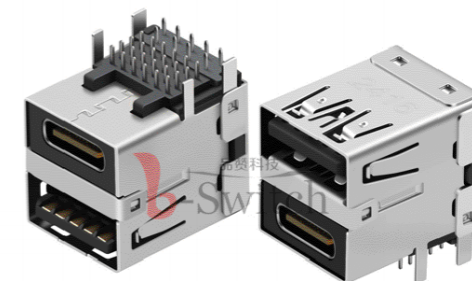
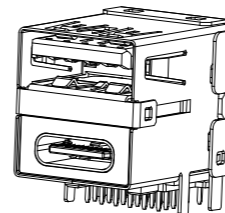
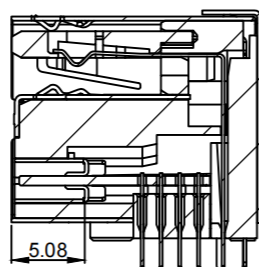
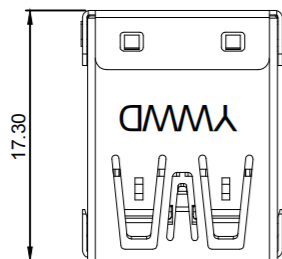
A

B

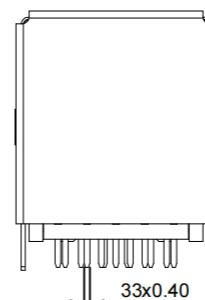
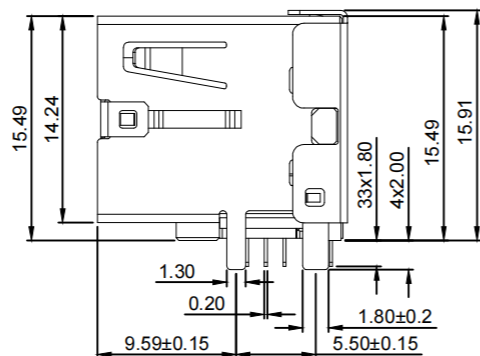
C

D

E



SECTION A-A

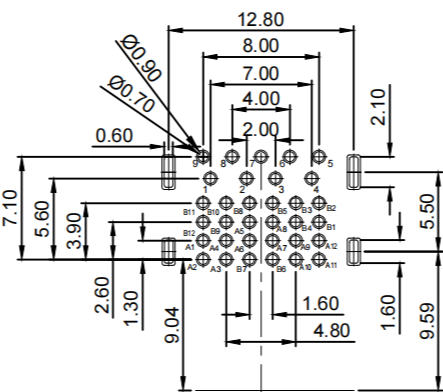
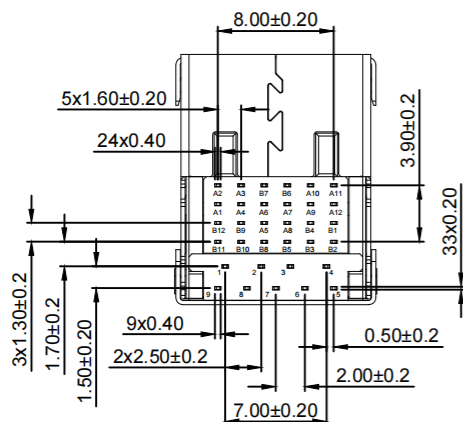
**G-Switch USB-A Specification:**

- 1.Current rated: 1.5A AT 250 VAC Min
- 2.Withstanding voltage: 100V AC/minute
- 3.Contact resistance: 30mΩ Max
- 4.Insulation resistance: 100MΩ Min

G-Switch USB-C Specification:

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V 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
- 9.Data transmission rate up to 5Gbp/s

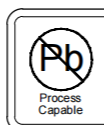
TYPE-A PIN DEFINE	1	2	3	4	5	6	7	8	9		
	VBUS	D-	D+	GND	StdA_SSRX-	StdA_SSRX+	GND_DRAIN	StdA_SSTX-	StdA_SSTX+		
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First
TYPE-C PIN DEFINE											
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



CONNECTOR EDGE

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

1	FRONT SHELL	STAINLESS STEEL	Ni PLATED
2	AFTER SHELL	STAINLESS STEEL	Ni PLATED
3	MIDDLE SHELL	STAINLESS STEEL	Ni PLATED
4	GND PLATE	STAINLESS STEEL	Ni PLATED
5	MID PLATE	STAINLESS STEEL	Ni PLATED
6	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
7	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS

RoHS
Compliant
EU RoHS StandardsSCALE: 1:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:X. /
X.xx ±0.30
X.xxx ±0.25
X.xxxx ±0.20
X* ±5°Title: Horizontal Type-A 9Pin+Type-C 24P Female
DIP CH=4.1 L=17.3mm

Molde Code: GT-USB-7106A

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