

A

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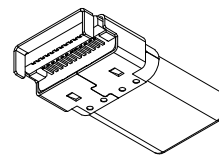
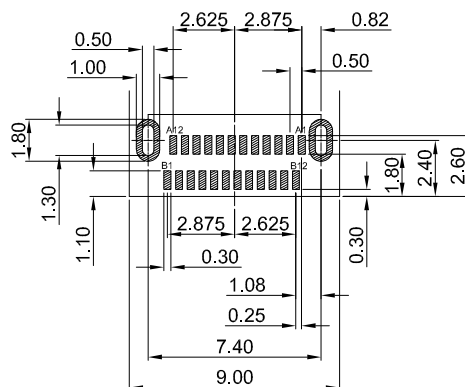
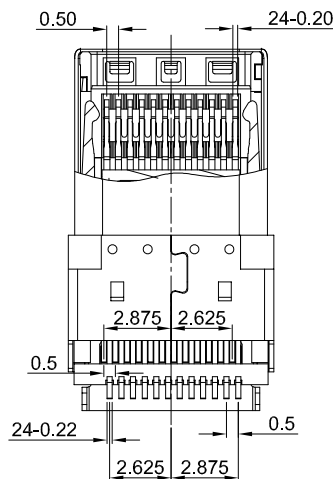
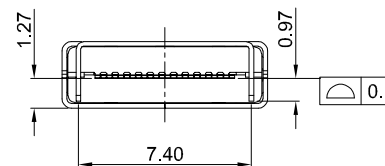
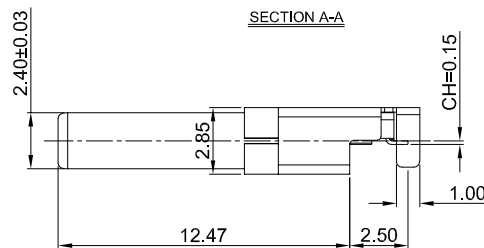
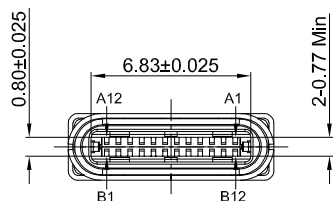
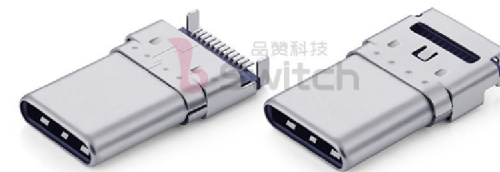
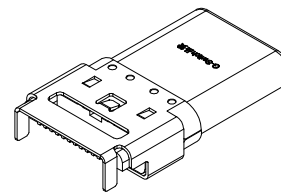
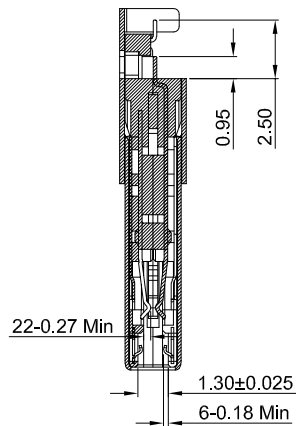
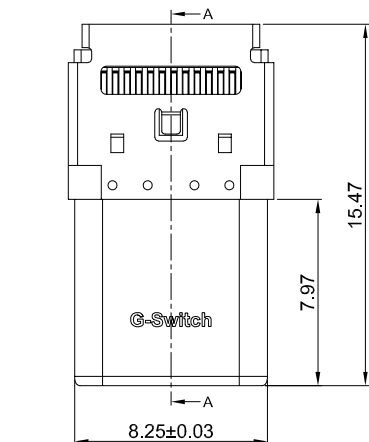
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**G-Switch USB-C Specification:**

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N, after durability test: 6N~20N
- Durability cycle: 10,000 cycles
- Data transmission rate up to 5Gbp/s
- Compliant with: IEC62680-1-3

USB IF TID:14641

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

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

RoHS
Compliant
EU RoHS Standards



SCALE: 4:1 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 24P Plug
Mid-Mount 1.27 CH=0.15 L=15.47mm

Molde Code: GT-USB-9812A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10

品赞科技
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1

6	SHIELD	STAINLESS STEEL304	Ni30u" MIN PLATED
5	SHELL	STAINLESS STEEL316	Ni30u" MIN PLATED
4	EMC SPRING	STAINLESS STEEL301	--
3	LATCH	STAINLESS STEEL301	--
2	TERMINALS	COPPER ALLOY C7025	Au3u" PLATING ON CONTACT AREA Tin PLATING ON SOLDER AREA
1	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
NO.	NAME	DESCRIPTION	REMARKS