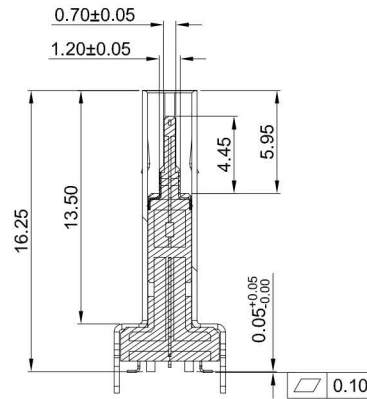
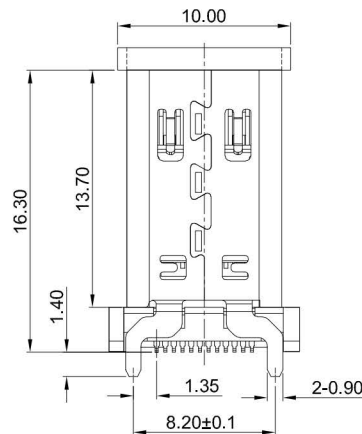
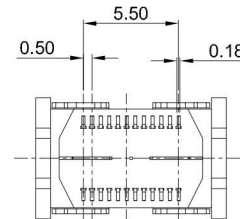
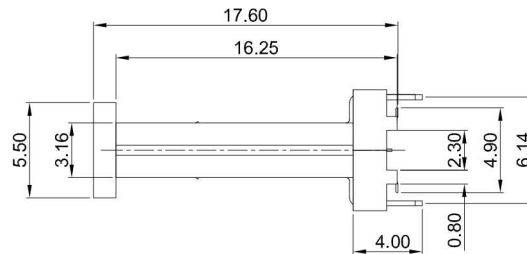
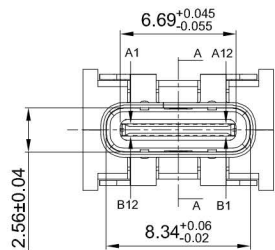
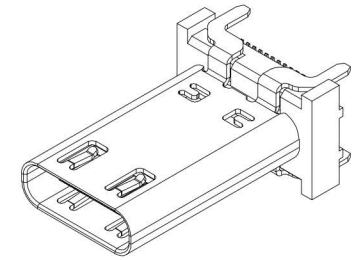
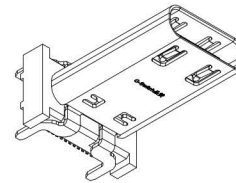
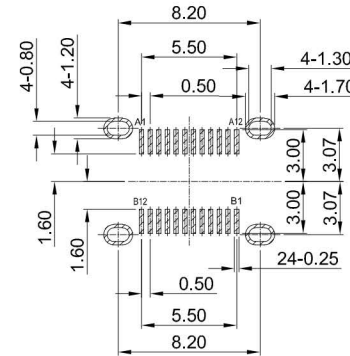


RECOMMENDED ASSEMBLY



SECTION A-A



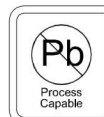
RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

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

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	NI PLATED
2	EMI	STAINLESS STEEL301	CLEAR ONLY
3	MID PLATE	STAINLESS STEEL301	CLEAR ONLY
4	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY C7025	Au PLATING ON CONTACT AREA Tin PLATING ON SOLDER AREA



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1
SIZE: A4

UNIT: mm

Title: Vertical Type-c 24P Female
SMT H=16.3mm

Molde Code: GT-USB-7028F

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10

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b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1