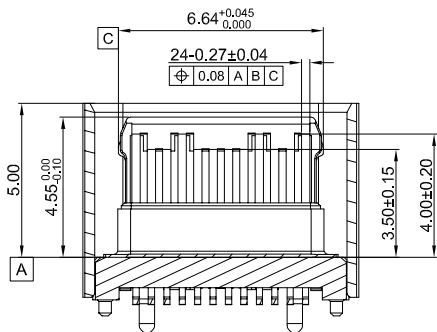
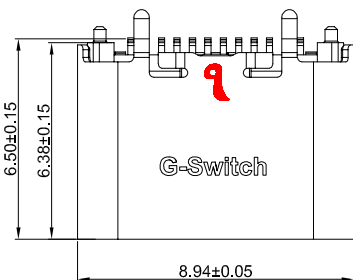
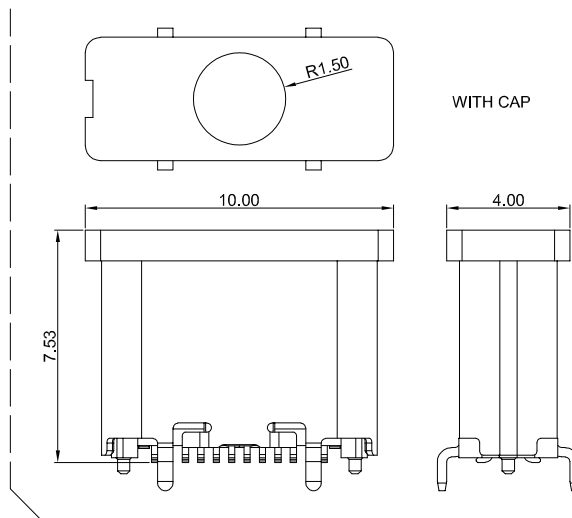
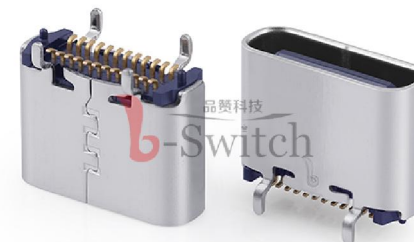




SECTION B-B

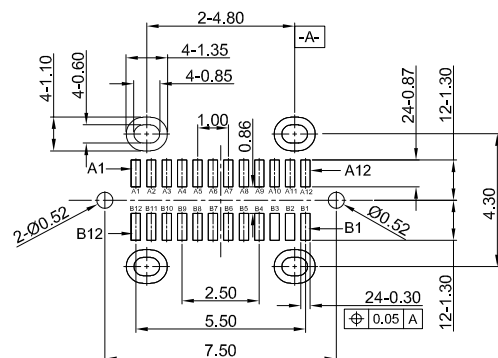
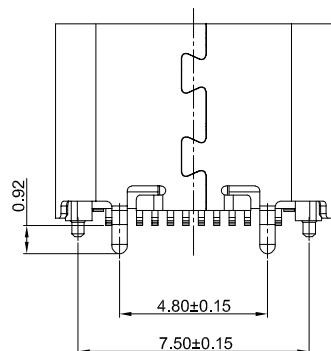
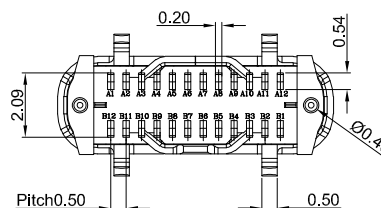
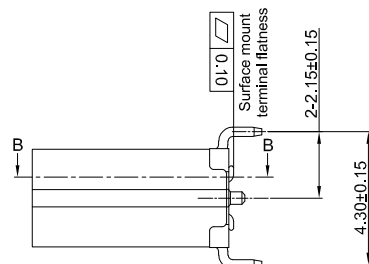
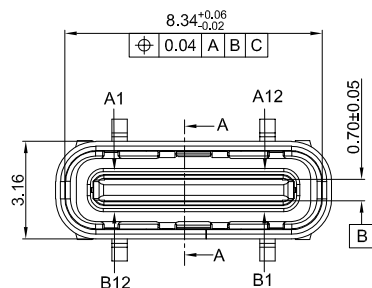
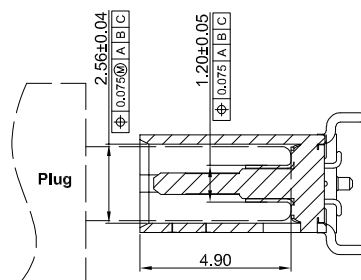


WITH CAP

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

- 1.Current rating:5A on Vbus/1.25A on Vconn/0.25A on other
- 2.Dielectric Voltage:100V AC/minute
- 3.Contact resistance: 40mΩ Max
- 4.Insulation resistance: 100MΩ Min
- 5.Operating temperature: -55 °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
- 10.Compliant with: IEC62680-1-3

USB IF TID:13339

RECOMMENDED PCB LAYOUT
TOLERANCE ±0.05mmSECTION A-A
AFTER MATING

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	SSTxp1	SSTxn1	VBUS	CC1	Dp1	Dn1	SBU1	VBUS	SSRxn2	SSRxp2	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	SSRxp1	SSRxn1	VBUS	SBU2	Dn2	Dp2	CC2	VBUS	SSTxn2	SSTxp2	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL	Ni30MIN Plated
2	MID PLATE	STAINLESS STEEL	—
3	EMI	STAINLESS STEEL	—
4	HOUSING	HIGH TEMPERATURE PLASTIC	LCP Black UL 94 V-0
5	TERMINALS	COPPER ALLOY C7025	Au1u"Mn PLATING ON CONTACT AREA

**RoHS**
Compliant
EU RoHS StandardsSCALE: 4:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X..x ±0.30
X..xx ±0.20
X..xxx ±0.10
X..x° ±3°
X..xx° ±2°Title: Vertical Type-c 24P Female
SMT H=6.5mm

Molde Code: GT-USB-9052A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2026.01.06

b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1