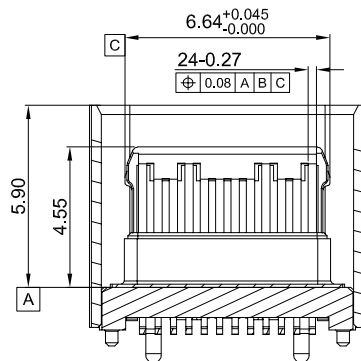
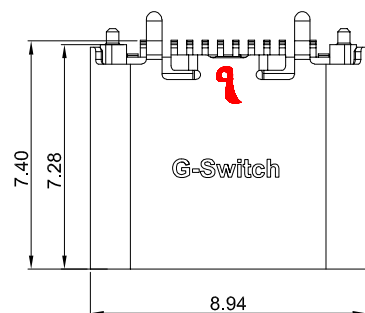
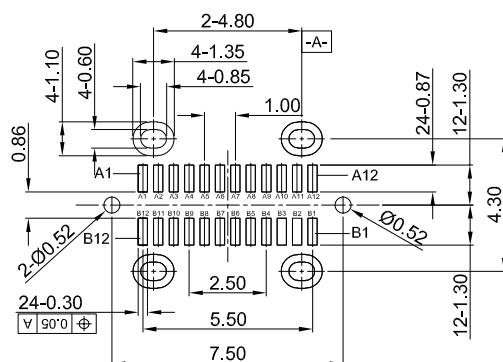
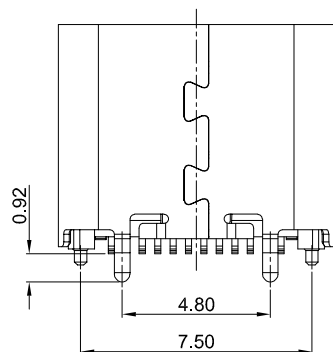
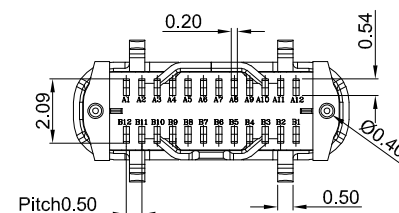
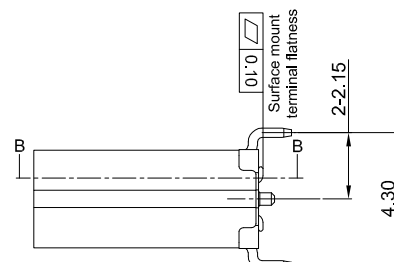
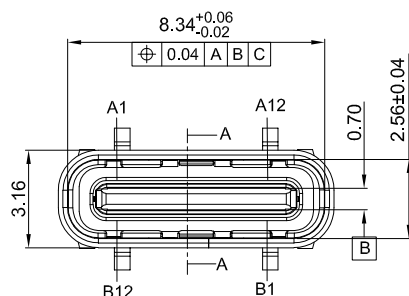
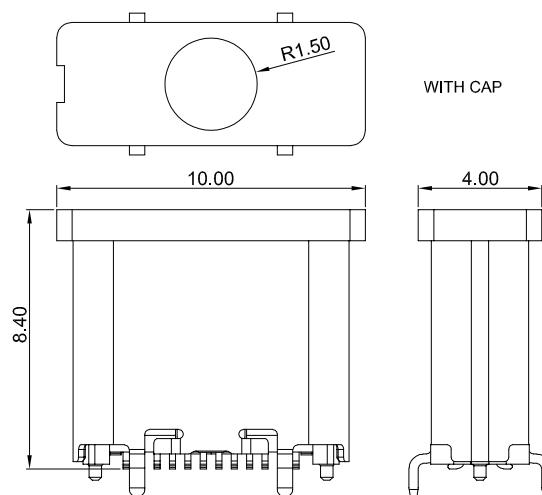
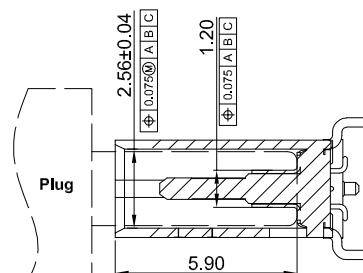




SECTION B-B



RECOMMENDED PCB LAYOUT
TOLERANCE $\pm 0.05\text{mm}$



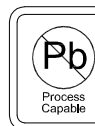
SECTION A-A
AFTER MATING

G-Switch USB-C Specification:

- 1.Current rating:5A on Vbus/1.25A on Vconn/0.25A on other Voltage rating: 24V AC
- 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

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	SSTxp1	SSTXn1	VBUS	CC1	Dp1	Dn1	SBU1	VBUS	SSRXn2	SSTXp2	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

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"Min PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1	UNIT: mm
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SIZE:	A4	
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Unless otherwise	
General Tolerance:	
X.x	±0.30
X.xx	±0.20
X.xxx	±0.10
X.x°	±3°
X.x°	±2°

Title: Vertical Type-c 24P Female SMT H=7.4mm

Molde Code: GT-USB-9052B

DRAWN	CHECKED	APPROVED	DATE
			2022.11.26

Xia	Chen	Chen	2023.02.01
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 品贊科技
b-Switch
www.dg-switch.com