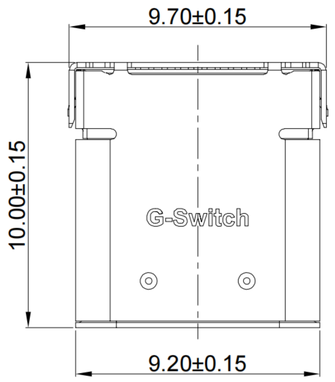
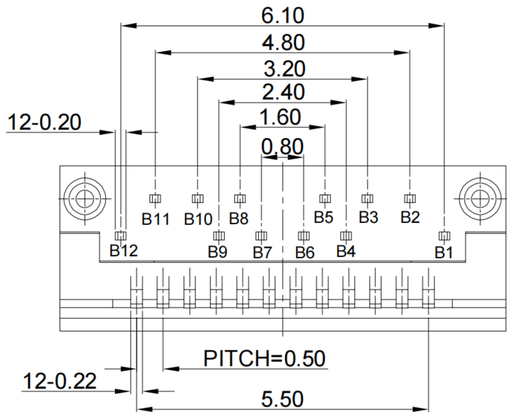
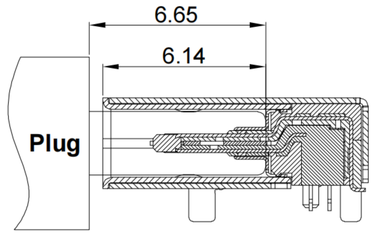
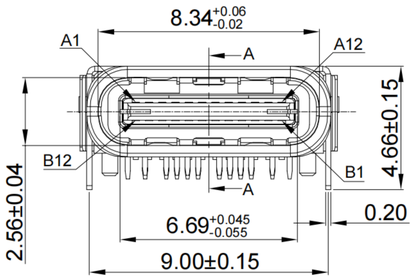


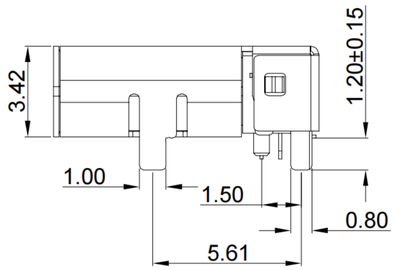


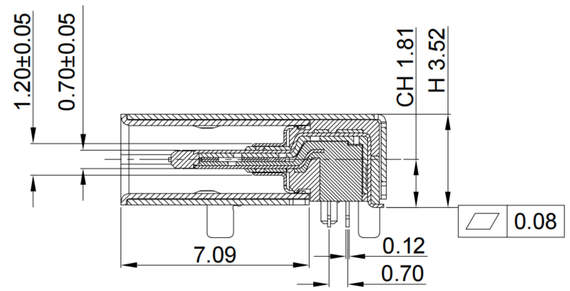
Detail A SCALE 2/1



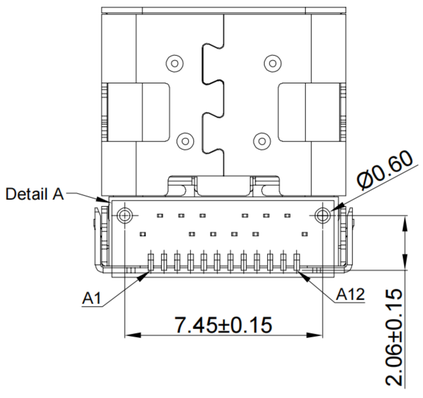
AFTER MATING

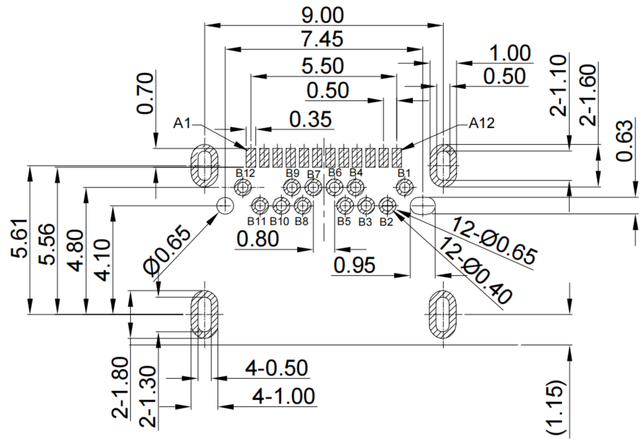




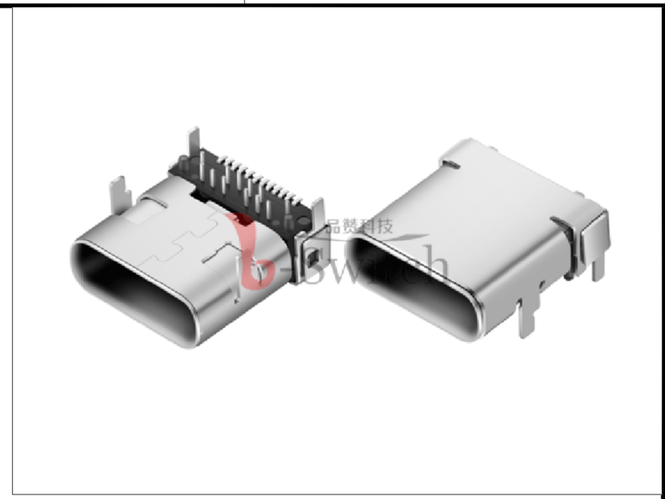


SECTION A-A





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 10Gbp/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	COVER SHELL	STAINLESS STEEL	Ni PLATED
2	SHELL	STAINLESS STEEL	Ni PLATED
3	GND PLATE	STAINLESS STEEL	---
4	MID PLATE	STAINLESS STEEL	Ni PLATED
5	HOUSING	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0
6	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA

Pb Process Capable

RoHS Compliant EU RoHS Standards

HALOGEN Compliant Halogen Free

SCALE:	1:1
UNIT:	mm
SIZE:	A4

Unless otherwise General Tolerance:

X.	±0.25
X.x	±0.20
X.xx	±0.15
X.xxx	±0.10
X°	±5°

Title: Horizontal Type-c 24P Female SMT CH=1.81 L=10.0mm

Molde Code: GT-USB-7001AD

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.9.13

品赞科技 G-Switch www.dg-switch.com

REV: A0

SHEET: 1/1