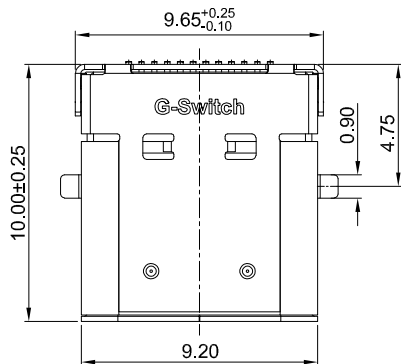
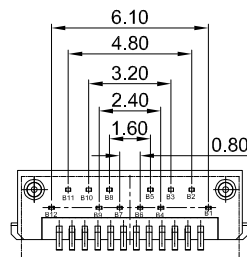
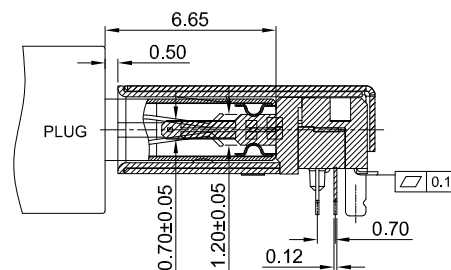
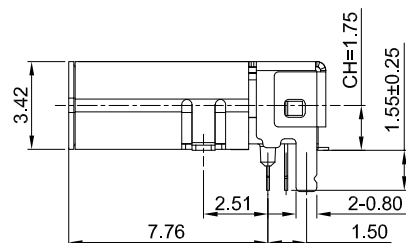
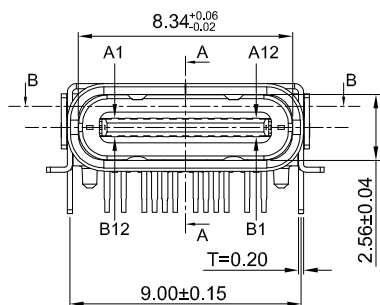
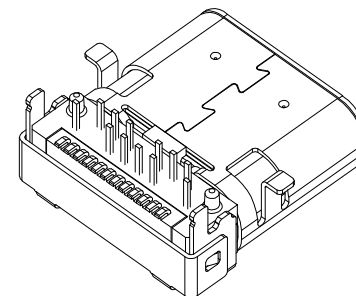


SECTION B-B



DETAIL A

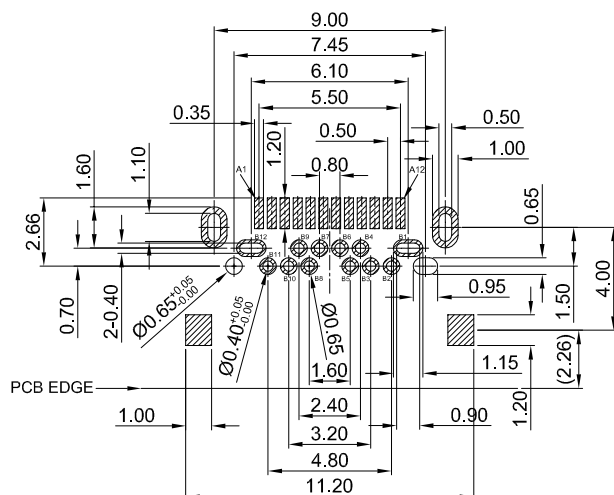
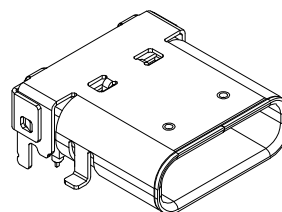


SECTION A-A
AFTER MATING

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
- Durability cycle: 10,000 cycles
- Data transmission rate up to 40Gbps

Molde Code	Specification Description
GT-USB-7001E-01	Au1u" Plating On Contact Area
GT-USB-7001E-02	Au3u" Plating On Contact Area



PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

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	OUTER SHELL	STAINLESS STEEL 304	NIPLATED
2	INNER SHELL	STAINLESS STEEL 304	—
3	LATCH	STAINLESS STEEL 301	—
4	HOUSING	LCP	BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY C7025	Au PLATING ON CONTACT AREA G/F PLATED ON SOLDER AREA



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.38
X.x ±0.25
X.xx ±0.15

X° ±5°

Title: Horizontal Type-C 24P Female DIP+SMT
CH=1.75 L=10.0mm

Molde Code: GT-USB-7001E

DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2024.12.09

品贊科技
b-Switch
www.dg-switch.com

REV: A1 SHEET: 1/1