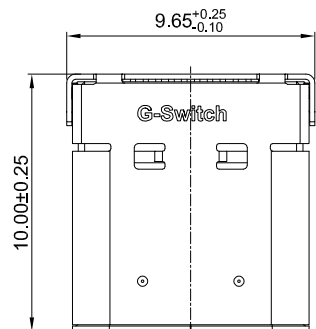
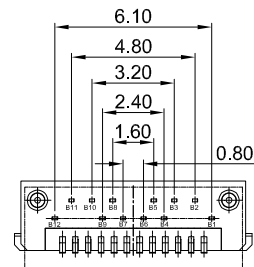
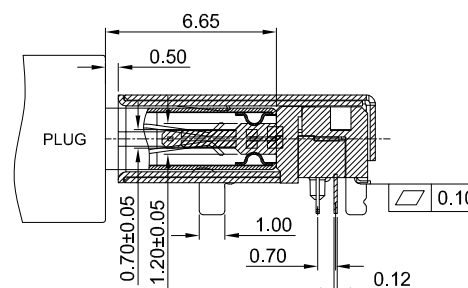
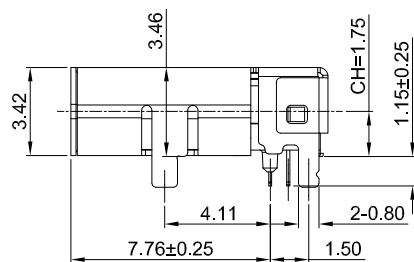
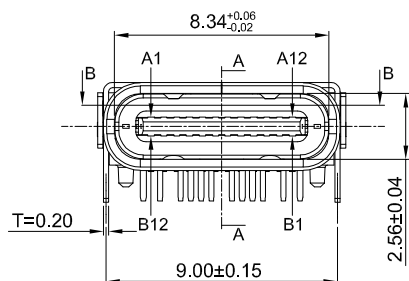


SECTION B-B



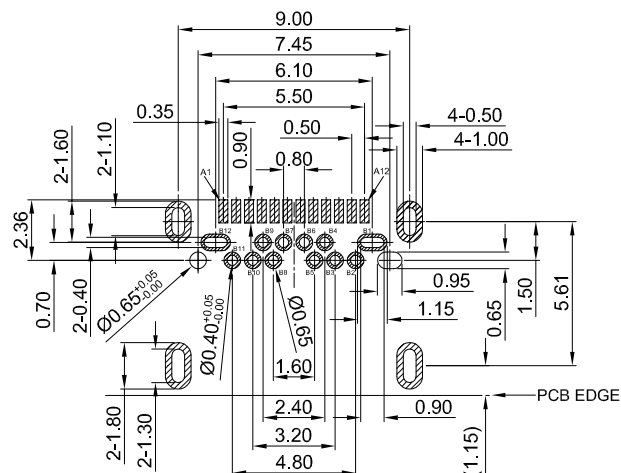
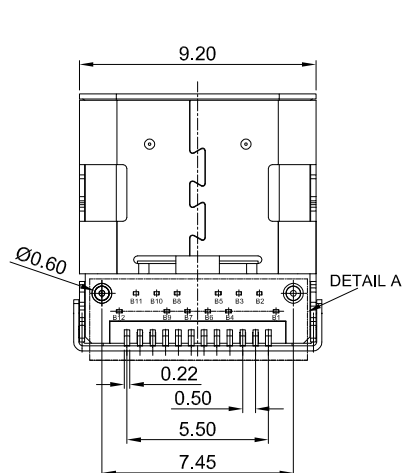
DETAIL A



SECTION A-A
AFTER MATING

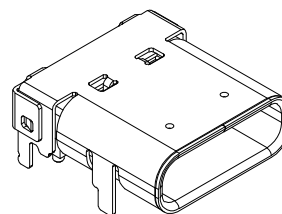
G-Switch USB-C Specification:

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Withstanding voltage: 100V AC/minute
3. Contact resistance: 40mΩ Max
4. Insulation resistance: 100MQ 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 40Gbps



PCB REFERENCE DIAGRAM
TOLERANCE:±0.05

Molde Code	Specification Description
GT-USB-7001H01-01	Au1u" Plating On Contact Area
GT-USB-7001H01-02	Au3u" Plating On Contact Area



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

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 PLATED ON CONTACT AREA G/F PLATED ON SOLDER AREA
NO.	PARTS	MATERIAL	REMARKS



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°

Title:	Horizontal Type-C 24P Female DIP+SMT CH=1.8 L=10.0mm
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Molde Code: GT-USB-7001H01			
DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2025,12

 品赞科技
b-Switch
www.dq-switch.com

REV: A1	SHEET: 1/1
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