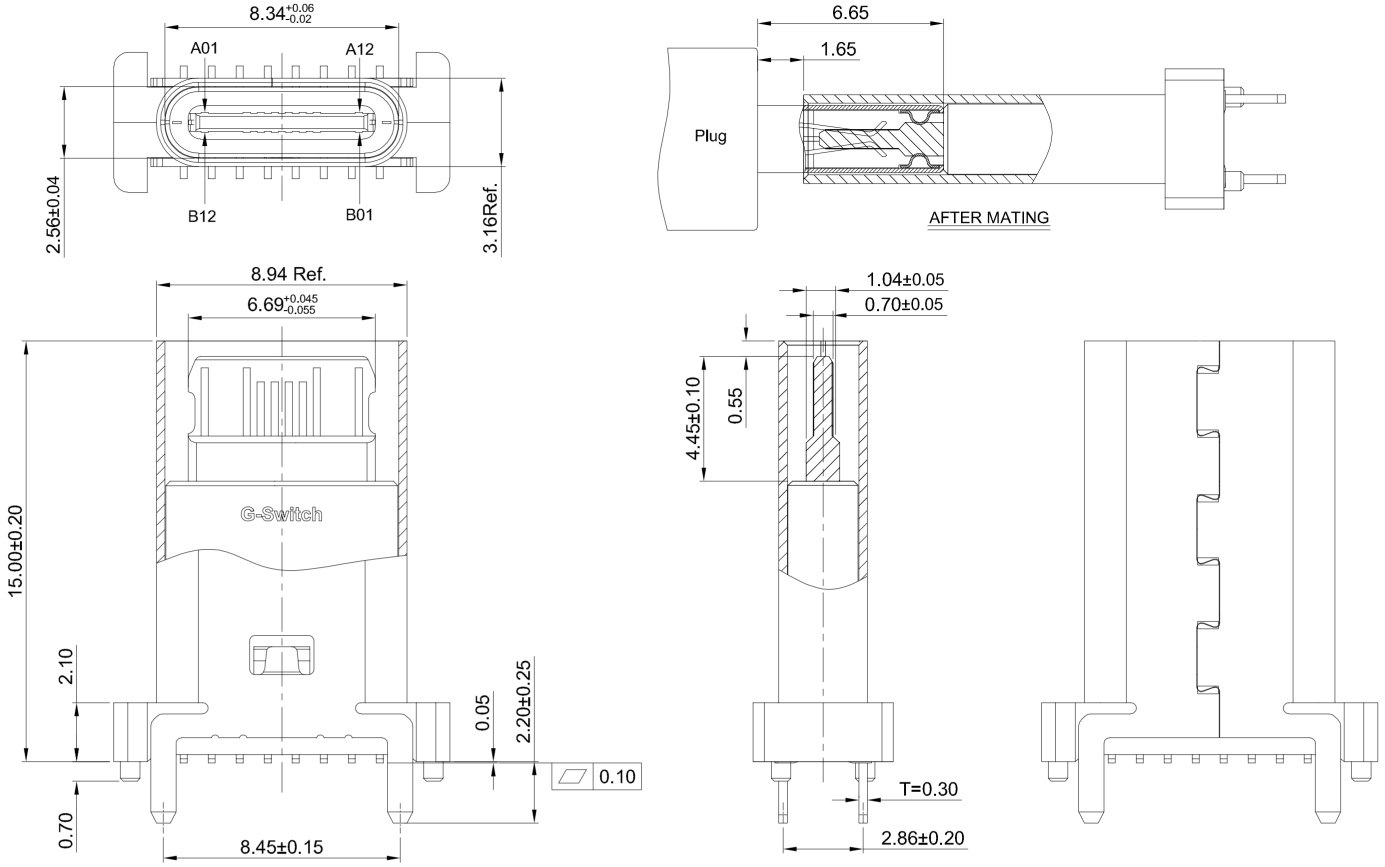

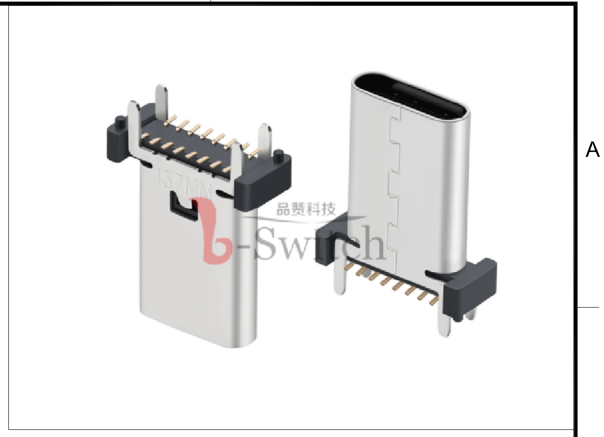

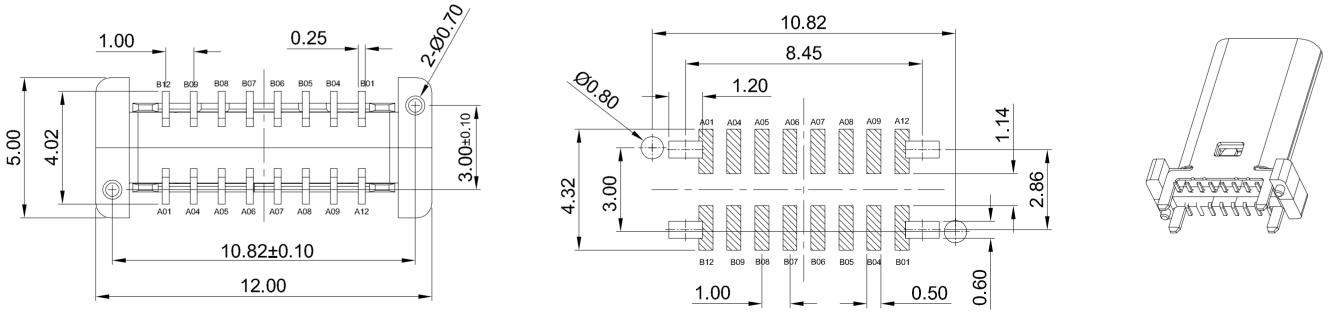

G-Switch USB-C Specification:

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,after durability test: 6N~20N
8.Durability cycle:10,000 cycles

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND			VBUS	CC1	D+	D-	SBU1	VBUS			GND
First			First	Second	Second	Second	Second	First			First

B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND			VBUS	SBU2	D-	D+	CC2	VBUS			GND
First			First	Second	Second	Second	Second	First			First

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL304	Ni PLATED
2	MID PLATE	STAINLESS STEEL304	Ni PLATED
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C7025	Au PLATING ON CONTACT AREA G/F PLATING ON SOLDER AREA
5	CAP	HIGH TEMPERATURE PLASTIC	BLACK UL 94 V-0

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

Pb Process Capable

RoHS Compliant EU RoHS Standards

HALOGEN Compliant Halogen Free

SCALE: 1:1	UNIT: mm	Title:	Vertical Type-c 16P Female SMT H=15.0mm
SIZE: A4			
Unless otherwise General Tolerance:		Molde Code:	GT-USB-7082H
X. ±0.40		DRAWN	CHECKED / APPROVED / DATE
X.x ±0.30			
X.xx ±0.20			
X.xxx ±0.10			
X° ±5°		Xia	Chen / Chen / 2023.02.01

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REV: A0 SHEET: 1/1