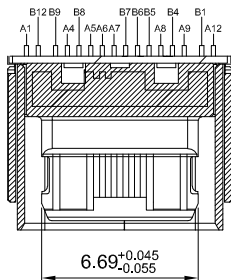
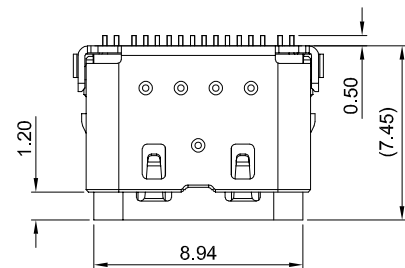
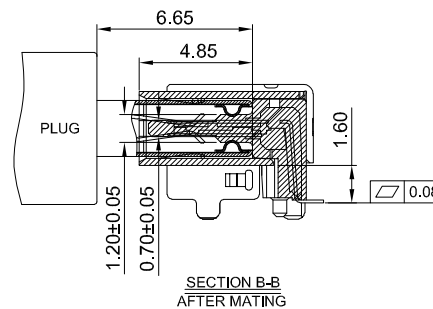


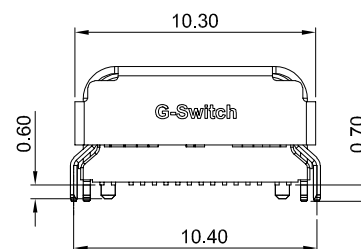
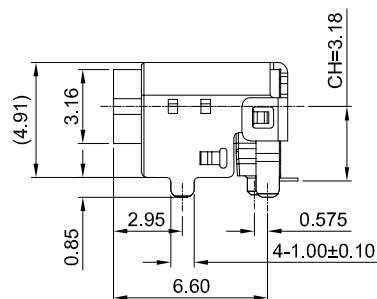
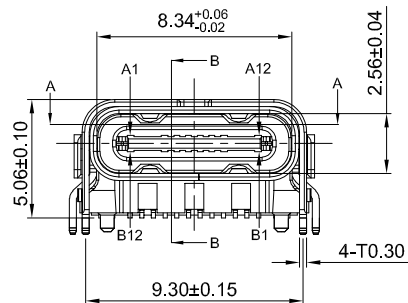
A



SECTION A-A

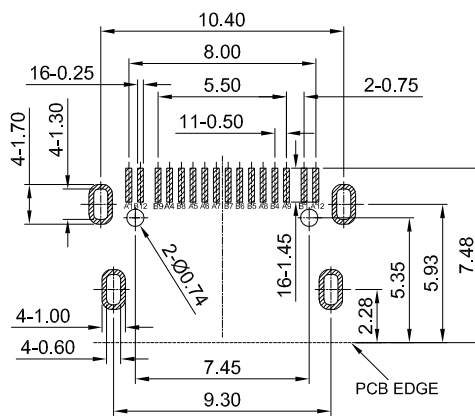
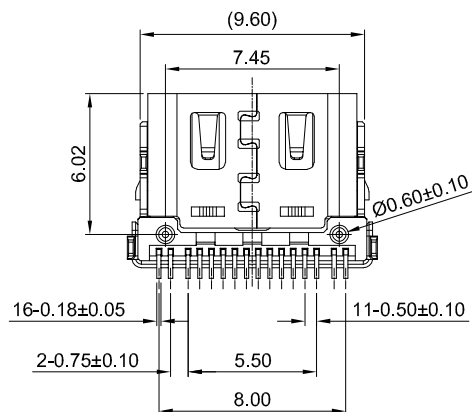
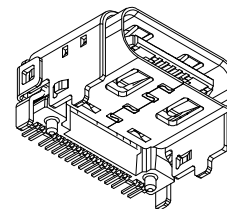
SECTION B-B
AFTER MATING

B

**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 20V AC/DC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
9. Compliant with: IEC62680-1-3

D

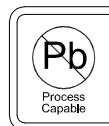
PCB REFERENCE DIAGRAM
TOLERANCE: ±0.05

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

E

NO.	PARTS	MATERIAL	REMARKS
1	COVER SHELL	STAINLESS STEEL304	Ni50u"MIN PLATED
2	INNER SHELL	STAINLESS STEEL304	Ni50u"MIN PLATED
3	MID PLATE	STAINLESS STEEL301	Ni40u"MIN PLATED
4	HOUSING	LCP	BLACK/WHITE UL 94 V-0
5	TERMINALS	COPPER ALLOY C18400	Au1u"MIN PLATING ON CONTACT AREA G/F PLATING ON SOLDER AREA



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:
X. ±0.40
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X" ±5°

Title: Horizontal Type-C16P Female SMT
Pad Up1.6 CH=3.18 L=7.45mm

Molde Code: GT-USB-7016H

DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2026.07.07

品赞科技
b-Switch
www.dg-switch.com

REV: A1 SHEET: 1/1

A

B

D

E