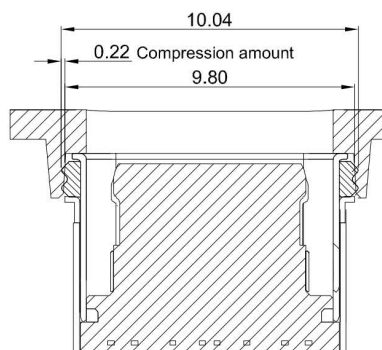
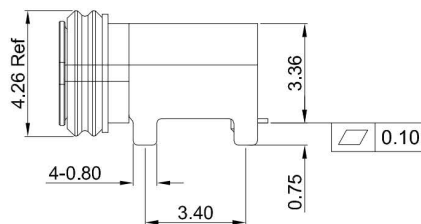
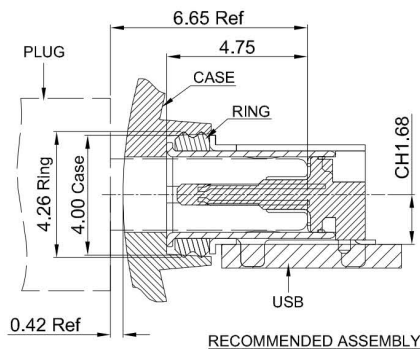
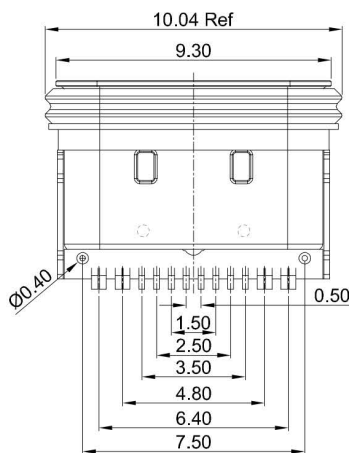
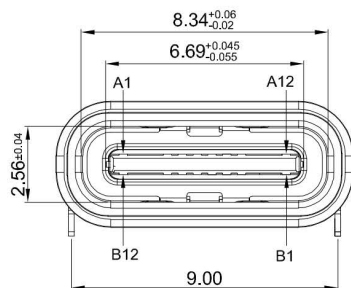
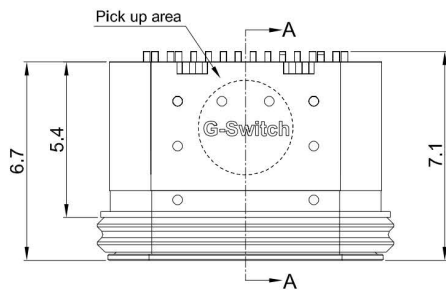
**G-Switch USB-C Specification:**

- 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.Waterproof grade: IP-X5
- 10.Compliant with: IEC62680-1-3

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

1	COVER SHELL	STAINLESS STEEL304	Ni30u"Min PLATED
2	STRETCH SHELL	STAINLESS STEEL316	Ni30u"Min PLATED
3	EMI	STAINLESS STEEL316	--
4	MID PLATE	STAINLESS STEEL301	--
5	HOUSING	HIGH TEMPERATURE PLASTIC	PA9T BLACK UL 94 V-0
6	TERMINALS	COPPER ALLOY C7025	Au3u" Min PLATING ON CONTACT AREA G/F Min PLATING ON SOLDER AREA
7	WATERPROOF RING	SILICA GEL	BLACK
NO.	PARTS	MATERIAL	REMARKS

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05



SCALE: 1:1 UNIT: mm
SIZE: A4

Unless otherwise
General Tolerance:

X.x ±0.40
X.x ±0.30
X.xx ±0.20
X.x* ±3°

Title: IPX5 Horizontal Type-c 16P Female
SMT CH=1.68 L=6.7mm

Molde Code: GT-USB-9079E

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.12.01



REV: A0 SHEET: 1/1