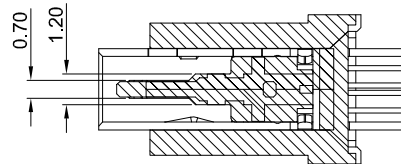


H=10.2mm	GT-USB-9069B
H=13.3mm	GT-USB-9069C
H=11.3mm	GT-USB-9069D
H=12.2mm	GT-USB-9069E

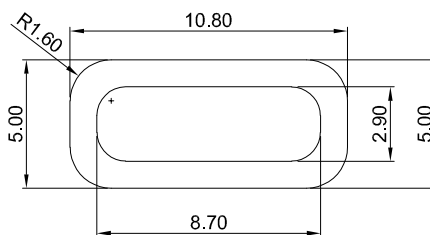
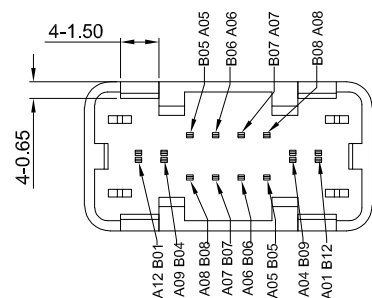
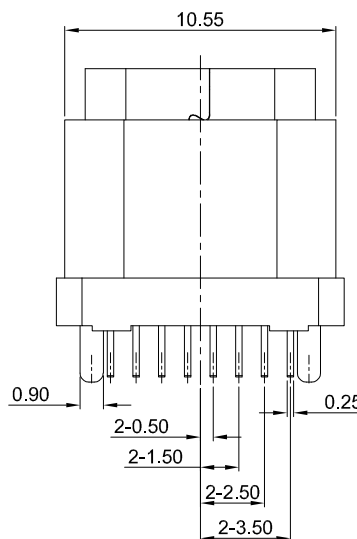
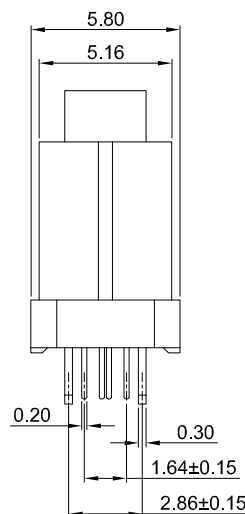
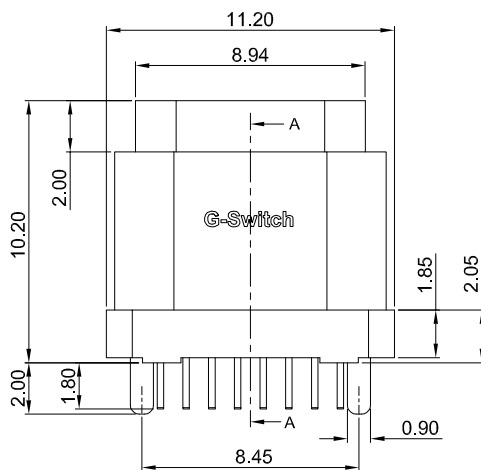
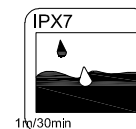


SECTION A-A

**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: 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-X7.
- 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

USB IF
TID:11807

SUGGESTED RUBBER RING SIZE

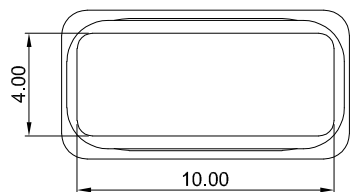
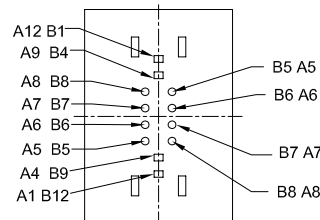
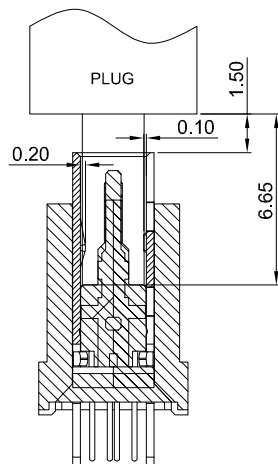
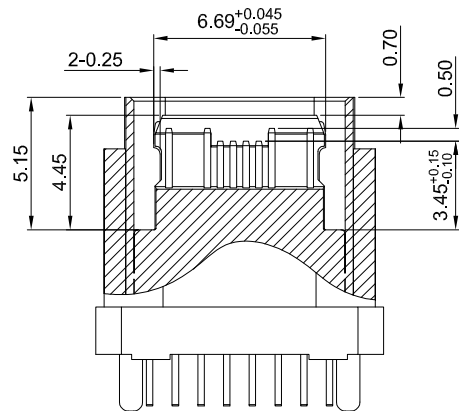
1	COVER SHELL	HIGH TEMPERATURE PLASTIC	PA BLACK
2	SHELL	STAINLESS STEEL	Ni30u*Min PLATED
3	MID PLATE	STAINLESS STEEL	CLEAN
4	HOUSING	HIGH TEMPERATURE PLASTIC	PA BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY	Au1u*Min PLATING ON CONTACT AREA
6	RUBBER	SILICA GEL	BLACK
NO.	PARTS	MATERIAL	REMARKS



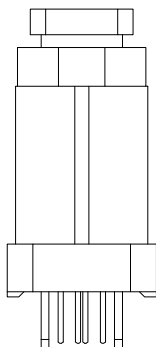
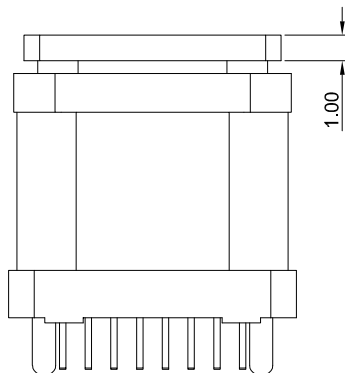
SCALE: 1:1	UNIT: mm	Title: Vertical Type-c 16P Female DIP H=10.2mm			
SIZE: A4		Molde Code: GT-USB-9069B			
Unless otherwise General Tolerance: X..x ±0.30 X..xx ±0.20 X..xxx ±0.10 X..x° ±3° X..xx° ±2°		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2023.02.01



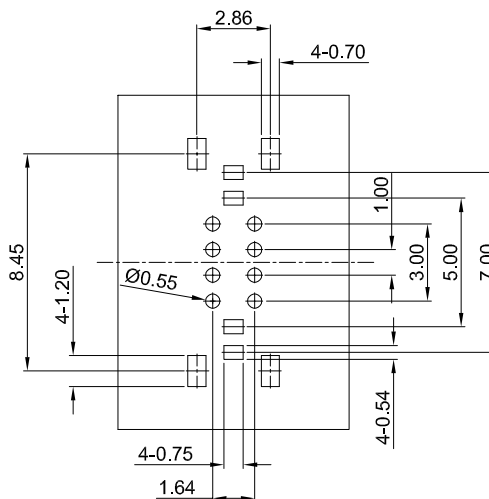
REV: A0 SHEET: 1/2



WITH CAP



AFTER MATING

RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05**G-Switch USB-C Specification:**

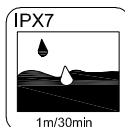
- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- Withstanding voltage: 100V AC/minute
- Contact resistance: 40mΩ Max
- Insulation resistance: 100MΩ Min
- Operating temperature: -40°C ~ +85°C
- Mating force: 5N~20N
- Unmating force: 8N~20N
- Durability cycle:10,000 cycles
- Waterproof grade: IP-X7.
- 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

USB IF
TID:11807

1	COVER SHELL	HIGH TEMPERATURE PLASTIC	PA BLACK
2	SHELL	STAINLESS STEEL	Ni30u"Min PLATED
3	MID PLATE	STAINLESS STEEL	CLEAN
4	HOUSING	HIGH TEMPERATURE PLASTIC	PA BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY	Au1u"Min PLATING ON CONTACT AREA
6	RUBBER	SILICA GEL	BLACK
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1	UNIT: mm	Title: Vertical Type-c 16P Female DIP H=10.2mm			
SIZE: A4		Molde Code: GT-USB-9069B			
Unless otherwise General Tolerance: X..x ±0.30 X..xx ±0.20 X..xxx ±0.10 X..x° ±3° X..xx° ±2°		DRAWN	CHECKED	APPROVED	DATE
		Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 2/2