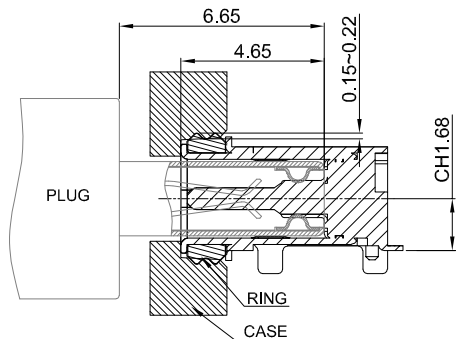
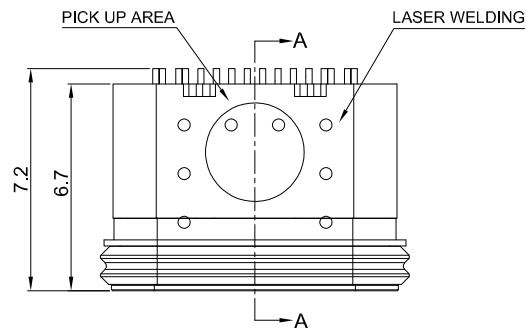
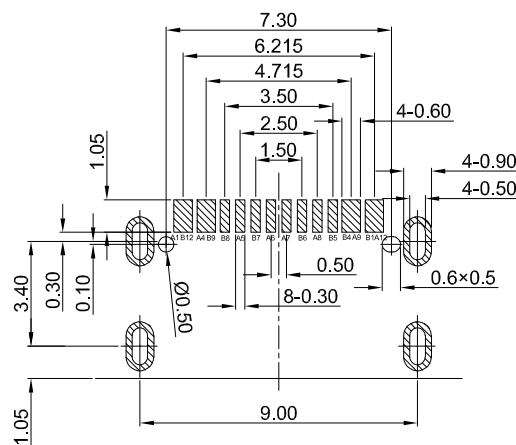
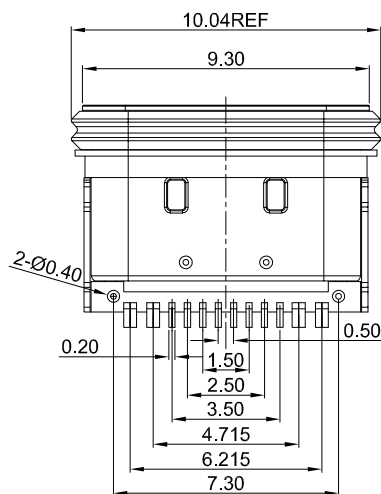


G-Switch USB-C Specification:

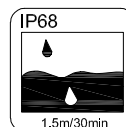
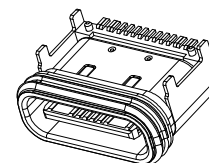
1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 20V AC/DC
3. Withstanding voltage: 100V AC/minute
4. Contact resistance: 40mΩ Max
5. Insulation resistance: 100MΩ Min
6. Operating temperature: -40°C ~ +85°C
7. Mating force: 5N~20N
8. Unmating force: 8N~20N
9. Durability cycle: 10,000 cycles
10. Waterproof grade: IP-68
11. 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



PCB REFERENCE DIAGRAM
TOLERANCE: ±0.05



NO.	PARTS	MATERIAL	REMARKS
1	COVER SHELL	STAINLESS STEEL 304	NI PLATED
2	STRETCH SHELL	STAINLESS STEEL 316	NI PLATED
3	EMI	STAINLESS STEEL 316	-
4	MID PLATE	STAINLESS STEEL 301	-
5	HOUSING	HIGH TEMPERATURE PLASTIC	PA9T BLACK UL 94 V-0
6	TERMINALS	COPPER ALLOY C7025	Au1u" Min PLATING ON CONTACT AREA Tin PLATING ON SOLDER AREA
7	WATERPROOF RING	SILICA GEL	BLACK



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: IP68 Horizontal Type-C 16P Female
SMT CH=1.68 L=6.7mm

Molde Code: GT-USB-9079F

DRAWN	CHECKED	APPROVED	DATE
Wu	Xla	Chen	2025.07.04

品赞科技
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1