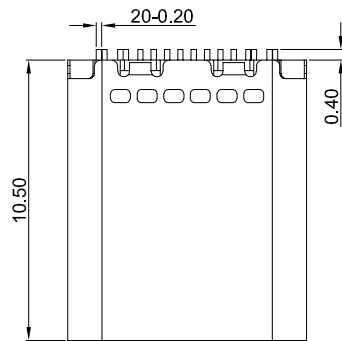
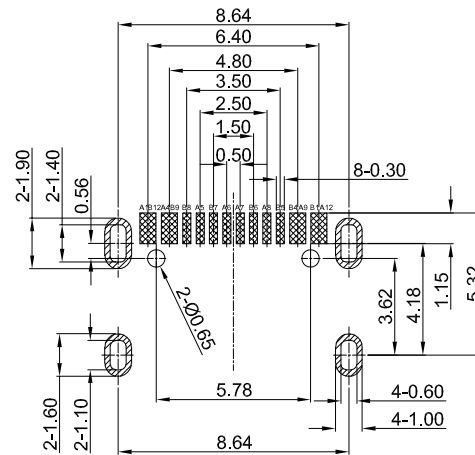
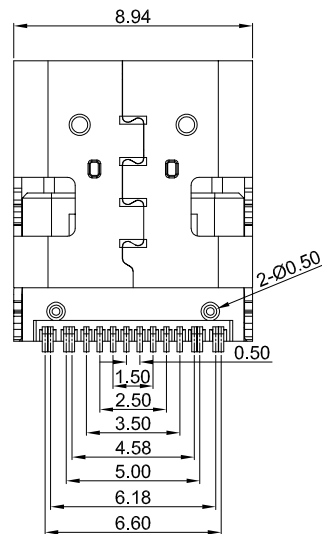


G-Switch USB-C Specification:

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 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, after durability test: 6N~20N
- Durability cycle: 10,000 cycles

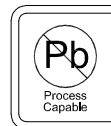


PCB REFERENCE DIAGRAM
TOLERANCE: ±0.05

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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL 304	NI PLATED
2	MID PLATE	STAINLESS STEEL 304	CLEANOUT
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94V-0
4	TERMINALS	COPPER ALLOY C7025	Au1u" PLATED ON CONTACT AREA TiN PLATED ON SOLDER AREA



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-C 16P Female SMT CH=1.63 L=10.50mm			
Molde Code: GT-USB-7004E			
DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2025,05,29

品赞科技
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1