

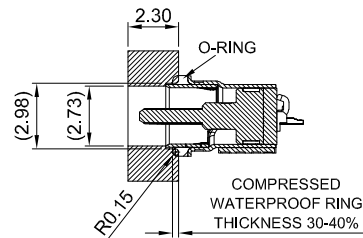
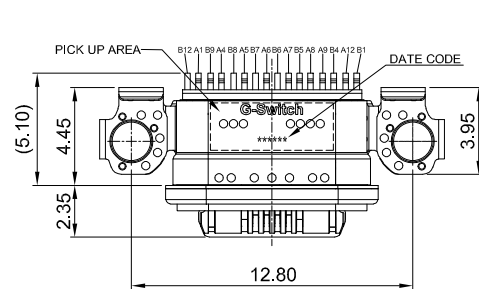
A

B

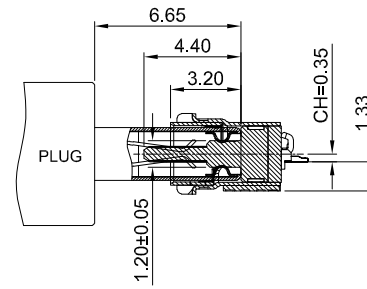
C

D

E



REFERENCE ASSEMBLY

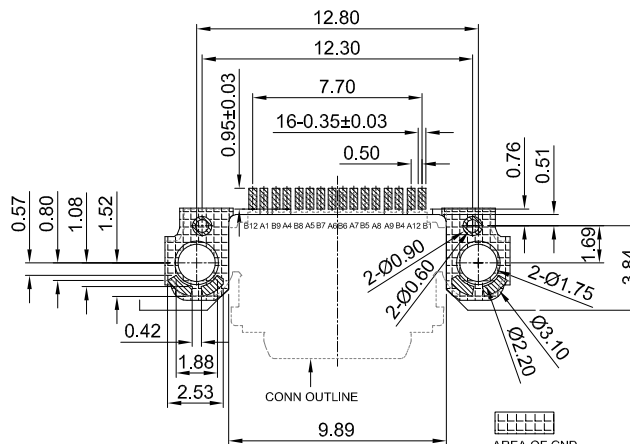
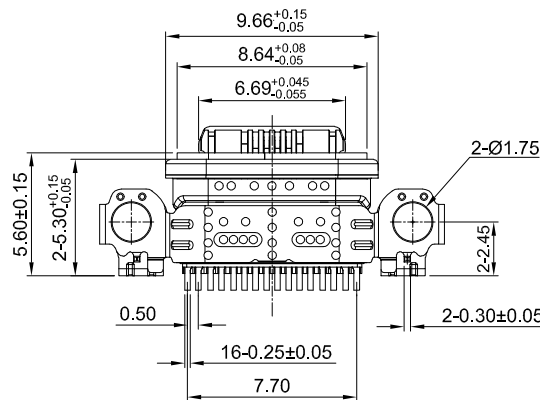
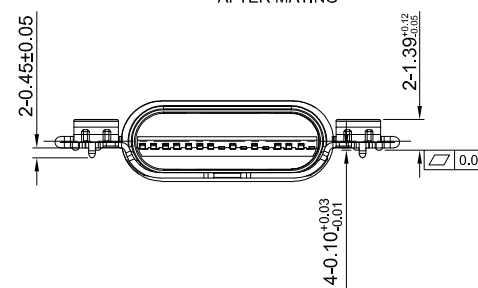
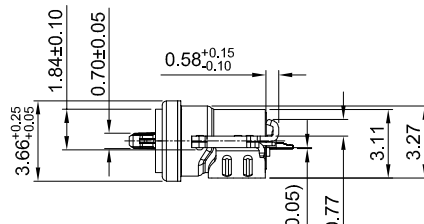
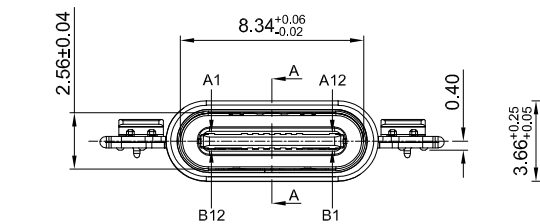
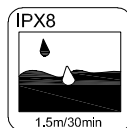
SECTION A-A
AFTER MATING**G-Switch USB-C Specification:**

1. Current rated: 5A on vbus/1.25A on vconn/0.25A on other
2. Voltage rating: 24V AC
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, after durability test: 6N~20N
9. Durability cycle: 10,000 cycles
9. Waterproof grade: IP-X8/IP-X4

MOLDE CODE	WATERPROOF GRADE
GT-USB-7086A01	IPX8
GT-USB-7086A02	IPX4

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

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 Mid-Mount 1.33 CH=0.35 L=5.60mm

Molde Code: GT-USB-7086AXX

DRAWN	CHECKED	APPROVED	DATE
Wu	Xia	Chen	2025.01.19



REV: A0 SHEET: 1/1

NO.	PARTS	MATERIAL	REMARKS
1	OUTER SHELL	STAINLESS STEEL 301	Ni+Au1~8u" PLATED
2	INNER SHELL	STAINLESS STEEL 301	Ni PLATED
3	STRETCHING SHELL	STAINLESS STEEL 316	Ni PLATED
4	SOLDER LUG	STAINLESS STEEL 301	-
5	MID PLATE	STAINLESS STEEL 301	-
6	HOUSING	PA46	BLACK UL 94V-0
7	TERMINALS	COPPER ALLOY C18150	Au5u" PLATED ON CONTACT AREA Au2~8u" PLATED ON SOLDER AREA
8	ADHESIVE	SILICONE GLUE	BLACK
9	WATERPROOF RING	UV ADHESIVE	RED

1

2

3

4

5