

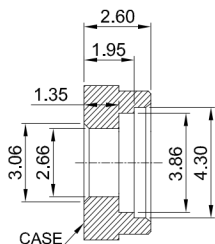
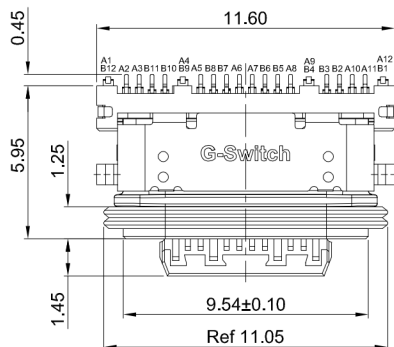
A

B

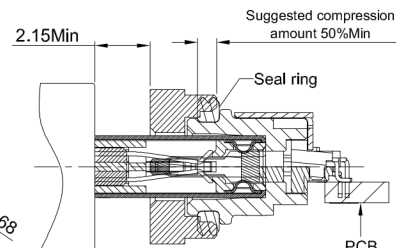
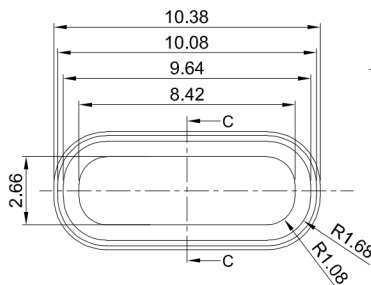
C

D

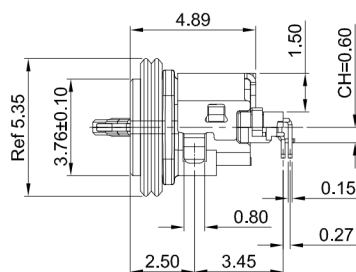
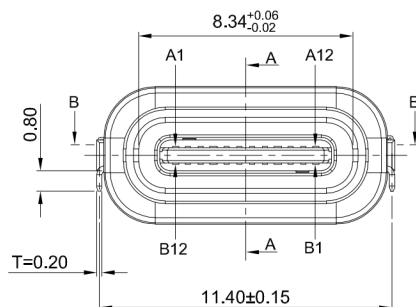
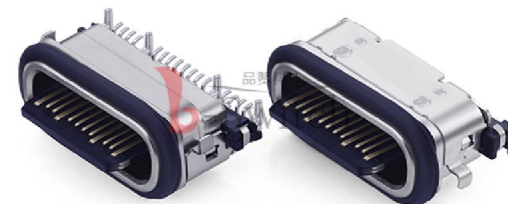
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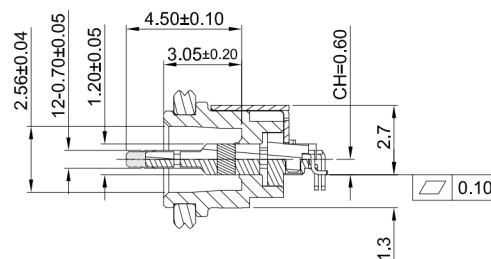
SECTION C-C



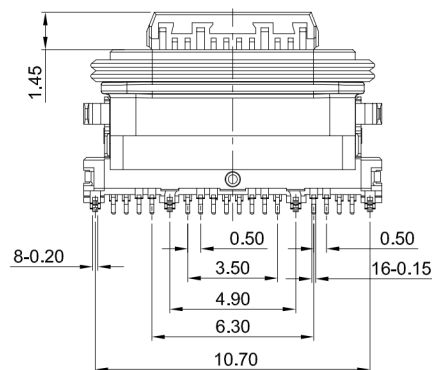
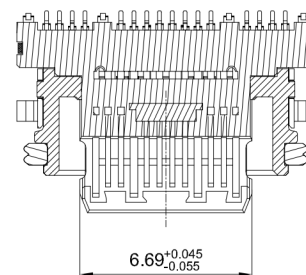
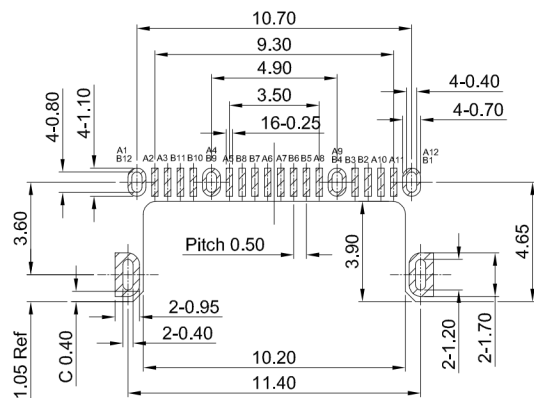
RECOMMENDED ASSEMBLY



SECTION A-A



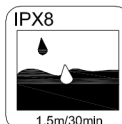
SECTION B-B

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

- 1.Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- 2.Withstanding voltage: 24V AC
- 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-X8
- 10.Data transmission rate up to 40Gbp/s

A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2+	RX2-	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First
B12	B11	B10	B9	B8	B7	B6	B5	B4	B3	B2	B1
GND	RX1+	RX1-	VBUS	SBU2	D-	D+	CC2	VBUS	TX2-	TX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

1	MATAL COVER	STAINLESS STEEL201	Ni PLATED
2	SHELL	SUS 17-4PH	Ni PLATED
3	MID PLATE	STAINLESS STEEL201	Ni PLATED
4	HOUSING	HIGH TEMPERATURE PLASTIC	PA9T BLACK UL 94 V-0
5	TERMINALS	COPPER ALLOY C2680	Au PLATING ON CONTACT AREA Tin PLATING ON SOLDER AREA
6	RUBBER	SILICA GEL	BLACK
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1	UNIT: mm	Title: Horizontal Type-c 24P Female DIP+SMT CH=0.6 Mid-Mount1.3 L=5.95mm			
SIZE: A4		Molde Code: GT-USB-7116B			
Unless otherwise General Tolerance:		DRAWN	CHECKED	APPROVED	DATE
X. ±0.40		Jiang	Xia	Chen	2024.06.18
X.x ±0.30					
X.xx ±0.20					
X.xxx ±0.10					
X° ±5°					



REV: A0 SHEET: 1/1