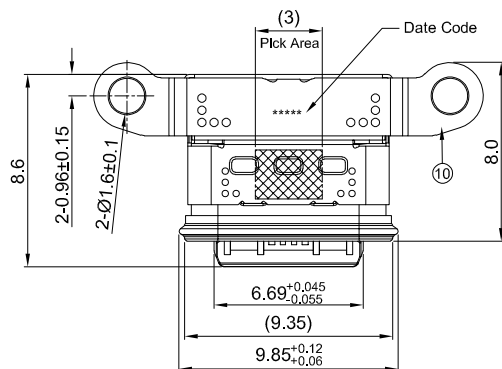
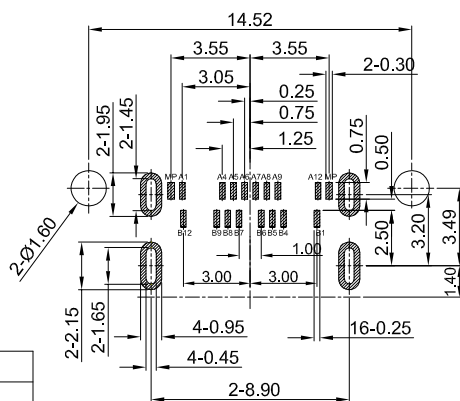
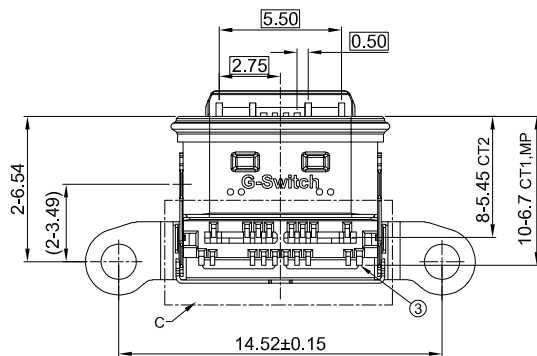
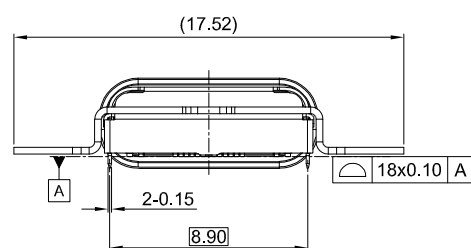
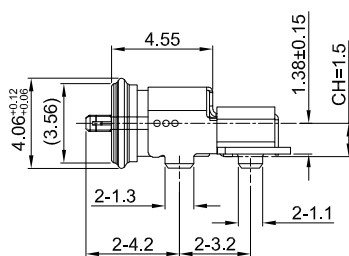
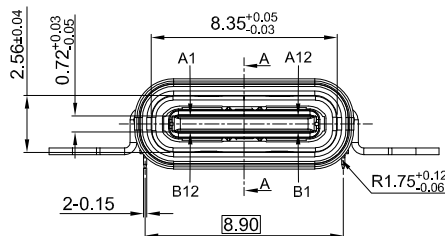
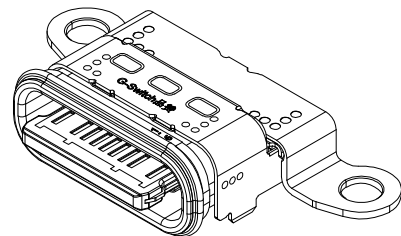
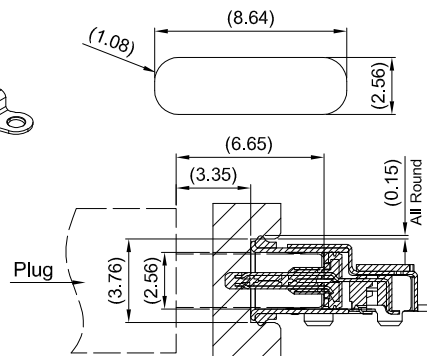
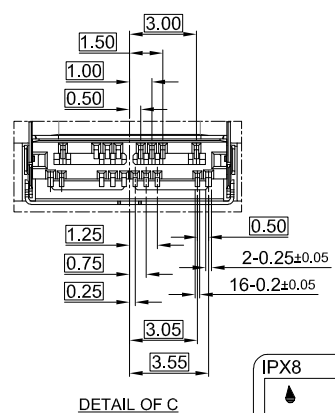
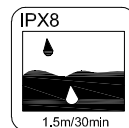


SECTION A-A



RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

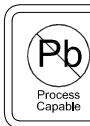
DETAIL OF C

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
- 9.Durability cycle:10,000 cycles
- 10.Waterproof grade: IP-X8.
- 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

10	BRACKET	SUS301	Ni30u"MIN PLATED
9	EMI	SUS301	Ni30u"MIN PLATED
8	ADHESIVE	EPOXY RESIN	BLACK
7	WATERPROOF RING	SILICA GEL	A:60 BLACK
6	INSIDE PLATE	SUS304	—
5	OUT SHELL	SUS304	Ni30u"MIN PLATED
4	INNER SHELL	SUS316	—
3	MID PLATE	SUS301	—
2	TERMINALS	COPPER ALLOY C7025	Au3u"MIN PLATING ON CONTACT AREA Au1u"MIN PLATING ON SOLDER AREA
1	HOUSING	PA9T	BLACK UL 94 V-0
NO.	PARTS	MATERIAL	REMARKS



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1	UNIT: mm
SIZE: A4	

Unless otherwise	
General Tolerance:	
X.x	±0.30
X.xx	±0.20
X.xxx	±0.10
X.x°	±3°
X.xx°	±2°

Title: IPX8 Horizontal Type-c 16P Female
SMT CH=1.5 L=8.0mm

Molde Code: GT-USB-9045H

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10

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-Switch
www.dg-switch.com

REV: A0	SHEET: 1/1
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