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品赞电子（东莞）有限公司

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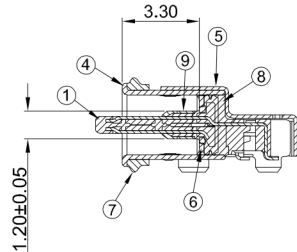
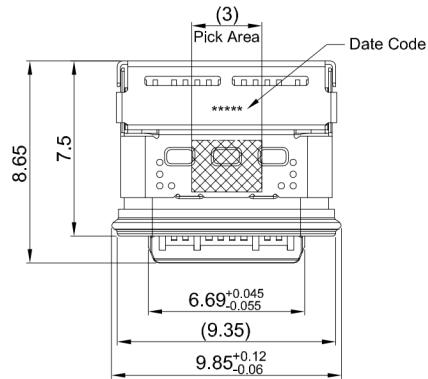
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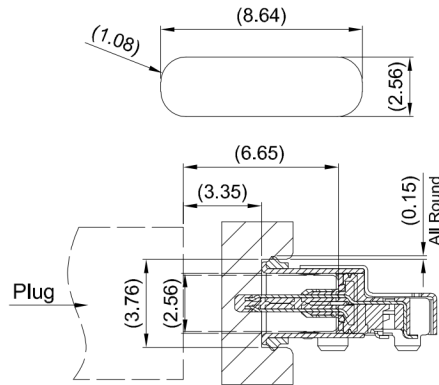
G-Switch Technology (Dongguan) Co., Ltd

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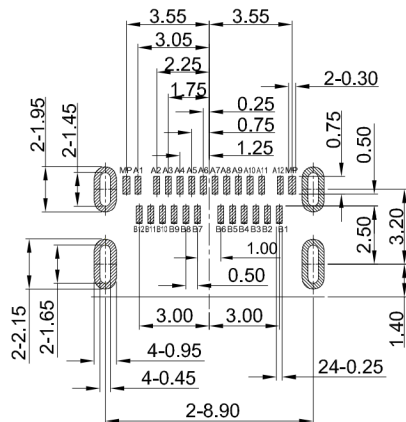
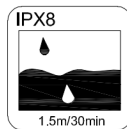
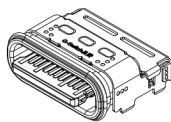
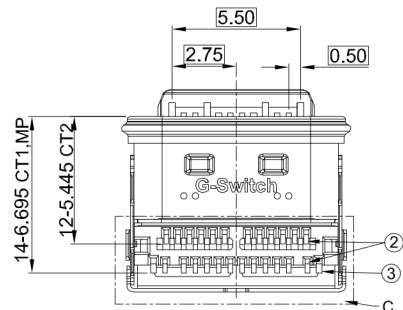
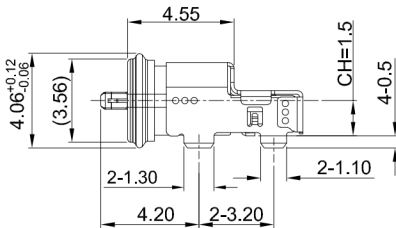
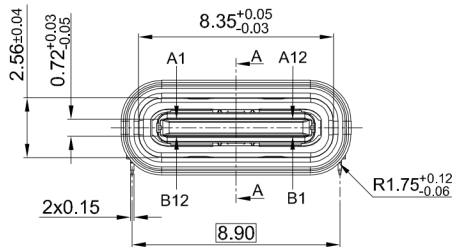
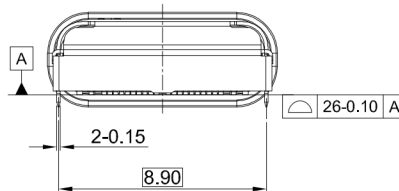
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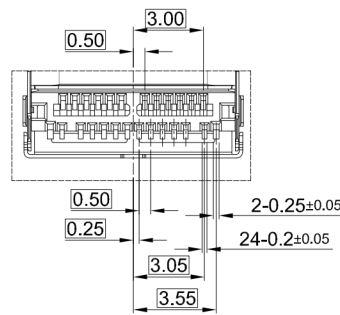
SECTION A-A



AFTER MATING



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.Withstanding voltage: 100V AC/minute
- 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.Data transmission rate up to 10Gbp/s
- 10.Waterproof grade: IP-X8.
- 11.Compliant with: IEC62680-1-3

USB IF TID:13853

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

NO.	PARTS	MATERIAL	REMARKS
9	EMI	SUS301	Ni30u"MIN PLATED
8	ADHESIVE	EPOXY RESIN	BLACK
7	WATERPROOF RING	SILIGA 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



RoHS
Compliant
EU RoHS Standards



SCALE: 1:1 UNIT: mm
SIZE: A4

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

Title: IPX8 Horizontal Type-c 24P Female
SMT CH=1.5 L=7.5mm

Molde Code: GT-USB-9045A01

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2024.03.10

品赞科技®
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1

A

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G-Switch Technology (Dongguan) Co., Ltd

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