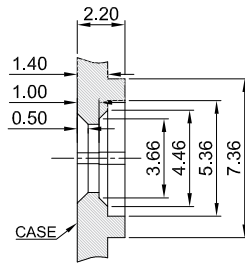
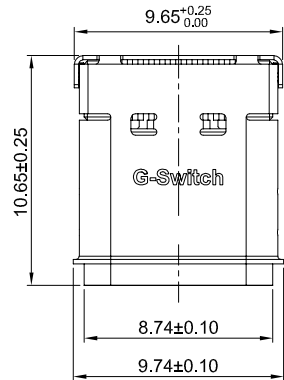
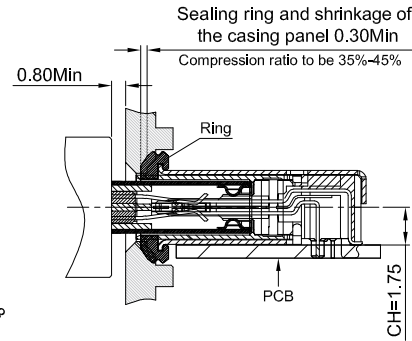
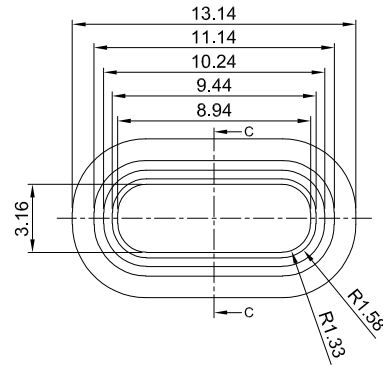
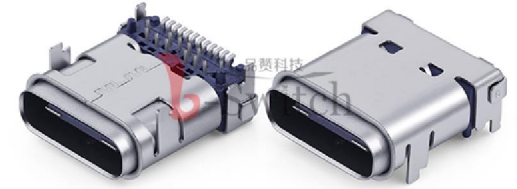


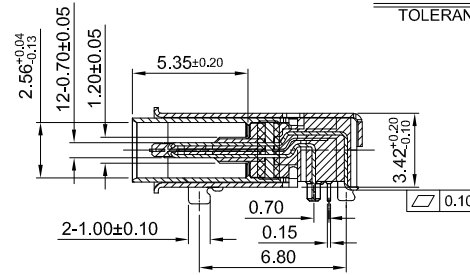
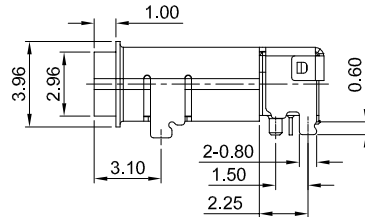
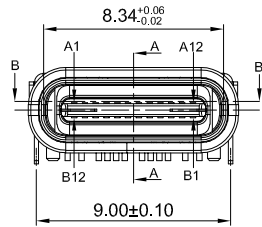
A



SECTION C-C

RECOMMENDED ASSEMBLY
TOLERANCE: ±0.03mm

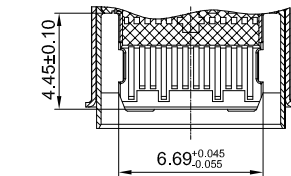
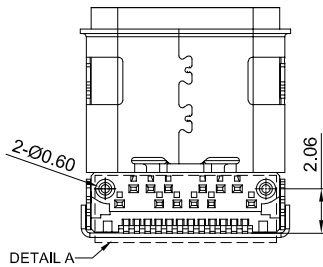
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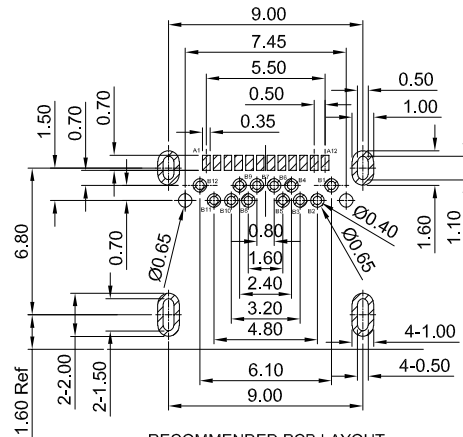
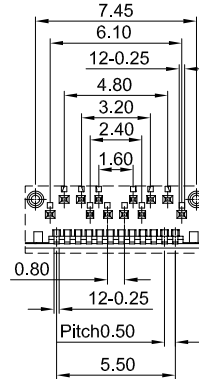
SECTION A-A



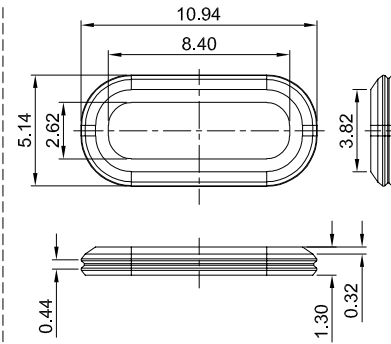
品赞电子（东莞）有限公司



SECTION B-B

RECOMMENDED PCB LAYOUT
TOLERANCE: ±0.05

DETAIL A

Suggested waterproof ring specifications
material silicone rubber**G-Switch USB-C Specification:**

- Current rated: 5A on vbus/1.25A on vconn/0.25A on other
- Voltage rating: 24V AC
- 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
- Durability cycle: 10,000 cycles
- Data transmission rate up to 40Gbps
- Waterproof grade: IP-X8
- Compliant with: IEC62680-1-3

USB IF TID:14934

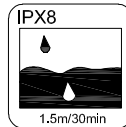
A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12
GND	TX1+	TX1-	VBUS	CC1	D+	D-	SBU1	VBUS	RX2-	RX2+	GND
First	Second	Second	First	Second	Second	Second	Second	First	Second	Second	First

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

D

D

1	COVER SHELL	STAINLESS STEEL201	NI30u"MIN PLATED
2	SHELL	POWDER METALLURGY	NI30u"MIN PLATED
3	GROUND SHELL	STAINLESS STEEL304	NI30u"MIN PLATED
4	MID PLATE	STAINLESS STEEL301	CLEAN ONLY
5	HOUSING	HIGH TEMPERATURE PLASTIC	LCP+30%GF BLACK UL 94 V-0
6	TERMINALS	COPPER ALLOY	AuG/F PLATING ON CONTACT AREA Tin30u"MIN PLATING ON SOLDER AREA
7	RING	SILICA GEL	BLACK
NO.	PARTS	MATERIAL	REMARKS

SCALE: 1:1 UNIT: mm
SIZE: A4Unless otherwise
General Tolerance:
X. ±0.40
X.x ±0.30
X.xx ±0.20
X.xxx ±0.10
X" ±5°Title: IPX8 Horizontal Type-c 24P Female
SMT CH=1.75 L=10.65mm

Molde Code: GT-USB-9020A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2025.01.14

品赞科技
b-Switch
www.dg-switch.com

REV: A0 SHEET: 1/1

A

B

品赞电子（东莞）有限公司

D

E