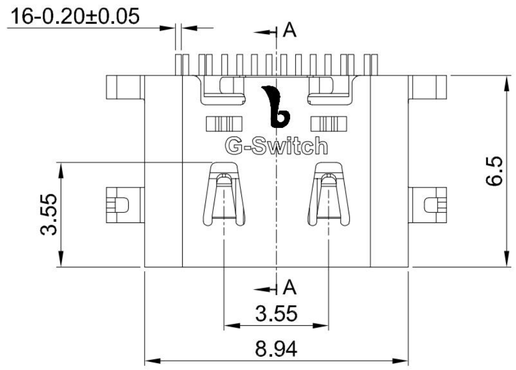
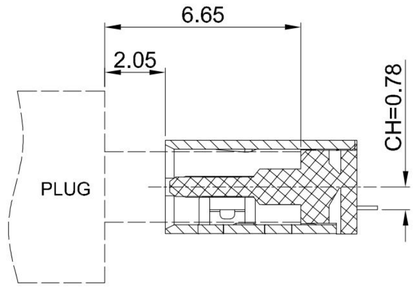
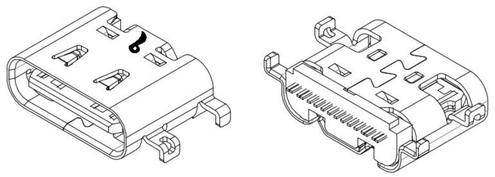
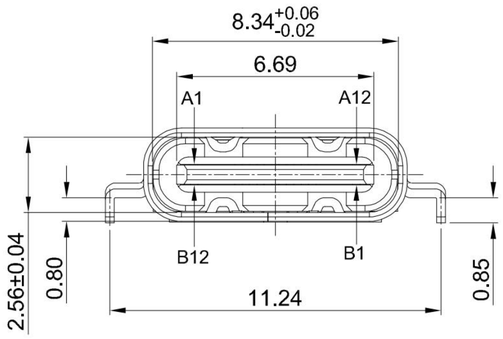
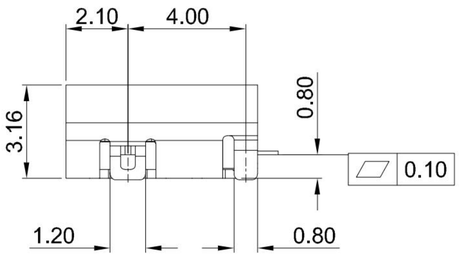


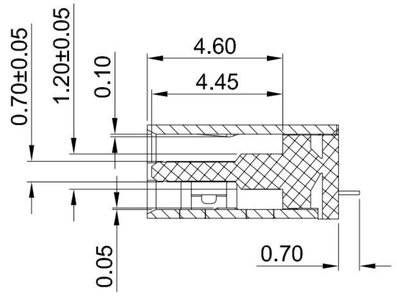


AFTER MATING





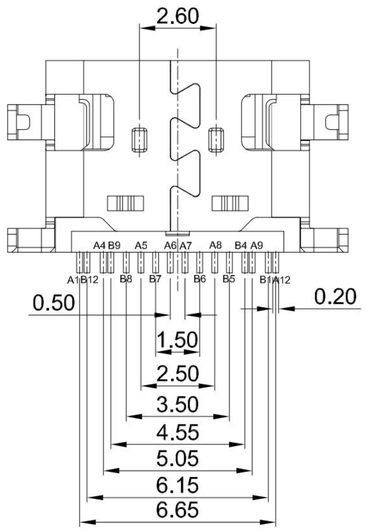


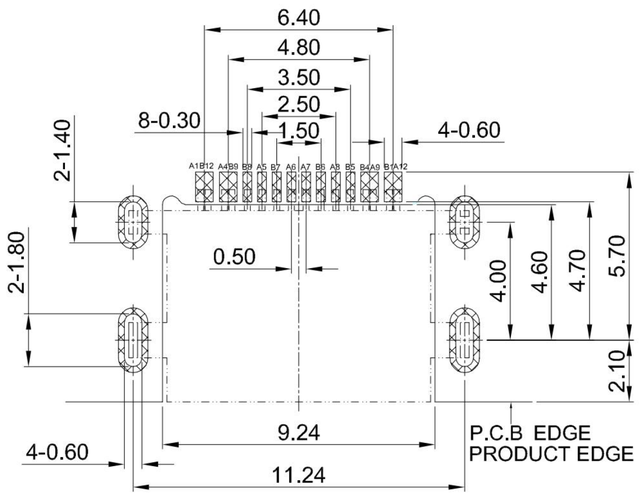


SECTION:A-A

G-Switch USB-C Specification:

1.Current rated: 5A on vbus/1.25A
on vconn/0.25A on other
Voltage rating: 24V AC
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.Compliant with: IEC62680-1-3





RECOMMENDED PCB LAYOUT
TOLERANCE:±0.05

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

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	STAINLESS STEEL304	Ni30u"MIN PLATED
2	MID PLATE	STAINLESS STEEL301	——
3	HOUSING	HIGH TEMPERATURE PLASTIC	LCP BLACK UL 94 V-0
4	TERMINALS	COPPER ALLOY C7025	Au1u"MIN PLATING ON CONTACT AREA G/F PLATING ON SOLDER AREA

Pb Process Capable

RoHS Compliant EU RoHS Standards

HALOGEN Compliant Halogen Free

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: Horizontal Type-c 16P Female SMT Mid-Mount0.8 CH=0.78 L=6.5mm

Molde Code: GT-USB-9014A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技 b-Switch ® www.dg-switch.com

REV: A0 SHEET: 1/1

品赞电子（东莞）有限公司