



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
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.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	COVER	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
2	SHELL	STAINLESS STEEL	NI PLATED
3	GND PLATE	STAINLESS STEEL	---
4	MID PLATE	STAINLESS STEEL	NI PLATED
5	HOUSING	HIGH TEMPERATURE PLASTIC	Black UL 94 V-0
6	TERMINALS	COPPER ALLOY	Au PLATING ON CONTACT AREA
NO.	PARTS	MATERIAL	REMARKS



SCALE: 1:1 UNIT: mm
 SIZE: A4
 Unless otherwise General Tolerance:
 X. ±0.25
 X.x ±0.20
 X.xx ±0.15
 X.xxx ±0.10
 X° ±5°

Title: Vertical Type-c 24P Female
SMT H=12.0mm
 Molde Code: GT-USB-7028A
 DRAWN: Xia CHECKED: Chen APPROVED: Chen DATE: 2023.02.01



REV: A0 SHEET: 1/1