



- 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 5Gbp/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

RECOMMENDED P.C.B. LAYOUT
TOLERANCE UNSPECIFIED ±0.05mm

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



SCALE: 1:1	UNIT: mm	Title: Vertical Type-c 24P Female	
SIZE: A4		SMT H=10.0mm 4DIN	
Unless otherwise General Tolerance:		Title: Vertical Type-c 24P Female	
X.	±0.25	SMT H=10.0mm 4DIN	
X.x	±0.20	Title: Vertical Type-c 24P Female	
X.xx	±0.15	SMT H=10.0mm 4DIN	
X.xxx	±0.10	Title: Vertical Type-c 24P Female	
X°	±5°	SMT H=10.0mm 4DIN	



DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

REV: A0 SHEET: 1/1