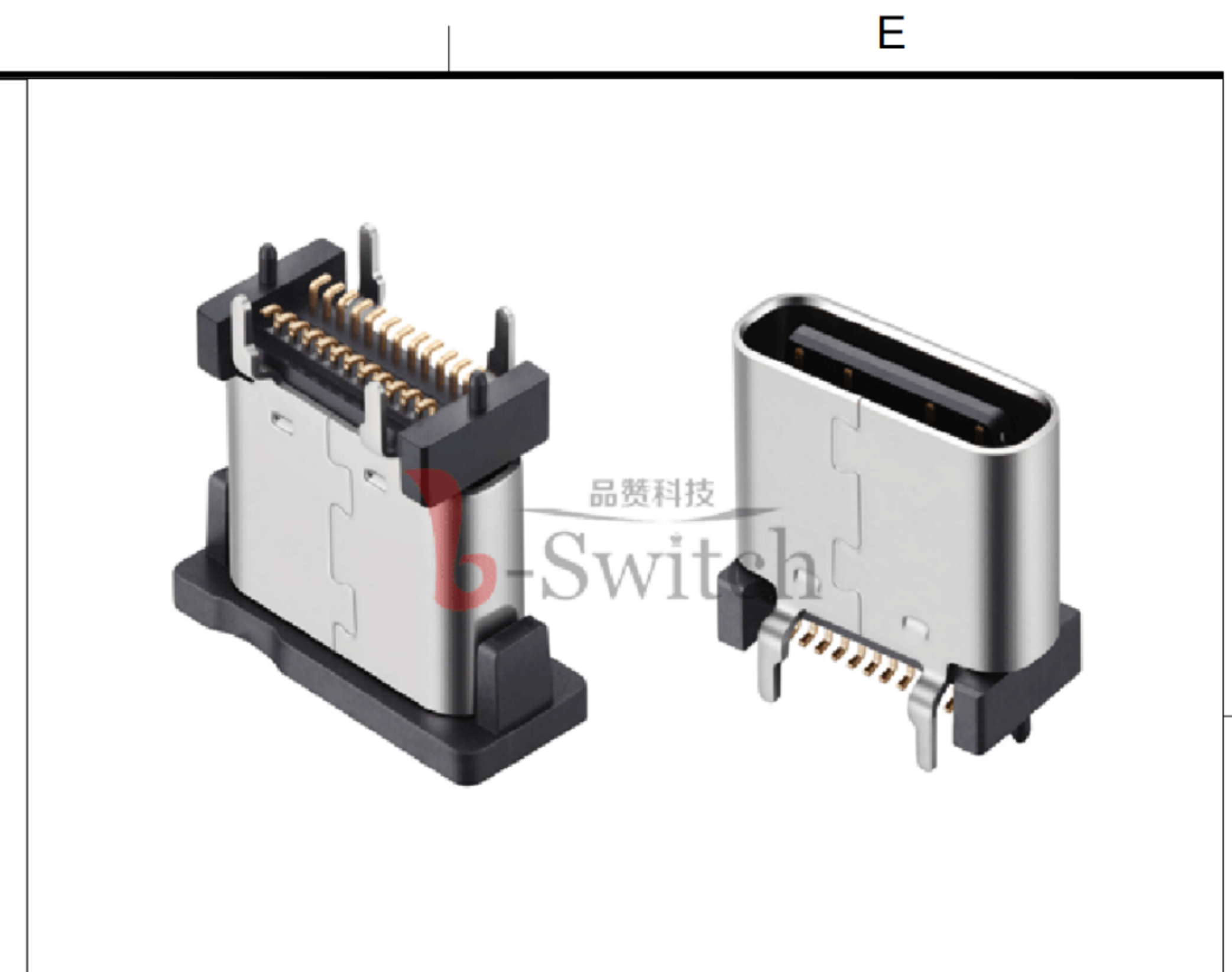


RECOMMENDED P.C.B. LAYOUT  
TOLERANCE UNSPECIFIED ±0.05mm



**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

1	COVER SHELL	STAINLESS STEEL	NI PLATED
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	EMI	STAINLESS STEEL	---
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=8.8mm 4DIN

Molde Code: GT-USB-7012A

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01



REV: A0 SHEET: 1/1



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