moddoMOUSE
FRONT EXPANSION
REV B

LEFT CONNECTOR

5V Supply from USB

VBUS   VDD_EXP

3V Supply 200mA MAX

J1

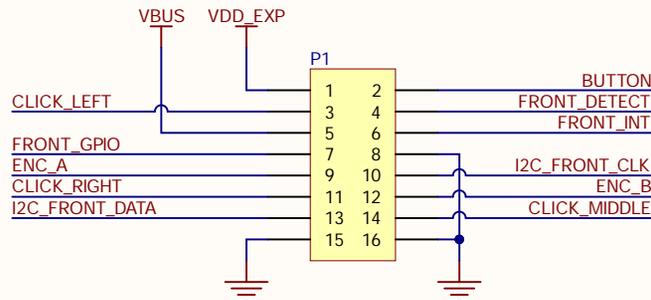| 1 | 1 | |
2	2	FRONT_GPIO
3	3	FRONT_INT
4	4	
5	5	FRONT_DETECT
6	6	CLICK_LEFT
7	7	BUTTON
8	8	

SB1

RIGHT CONNECTOR

J2

16	8	I2C_FRONT_CLK
15	7	ENC_A
14	6	ENC_B
13	5	CLICK_RIGHT
12	4	CLICK_MIDDLE
11	3	I2C_FRONT_DATA
10	2	
9	1	

HEADER CONNECTOR (0.1")

VBUS   VDD_EXP

P1

CLICK_LEFT

FRONT_GPIO
ENC_A
CLICK_RIGHT
I2C_FRONT_DATA

1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16

BUTTON
FRONT_DETECT
FRONT_INT

I2C_FRONT_CLK
ENC_B
CLICK_MIDDLE
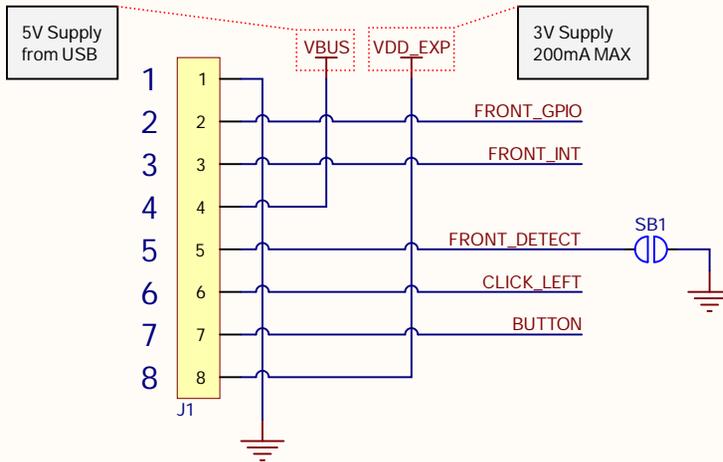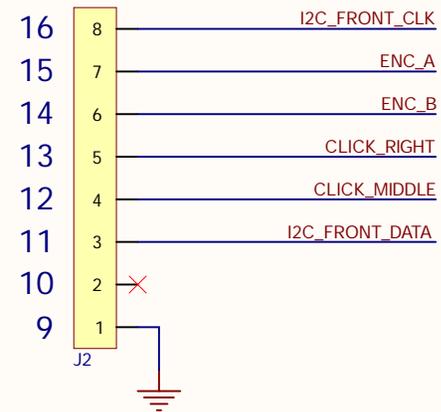
⚠ 3.3V MAX DIGITAL IO

moddo
https://moddo.io
▶ YouTube @moddoio

Rev: B
Var: [No Variations]
Project: Front_Breakout.PrjPcb
Name: Schematic.SchDoc
Date: 2025-12-05   **Sheet** 1   **of** 1