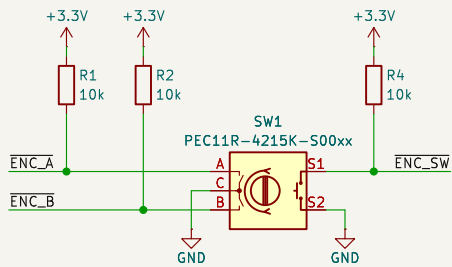
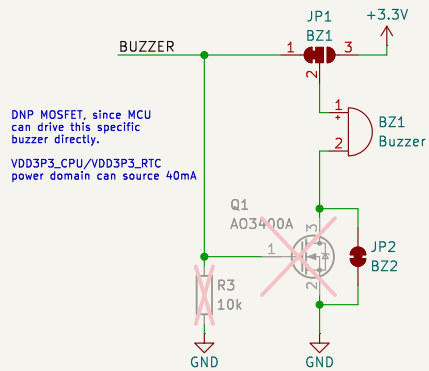


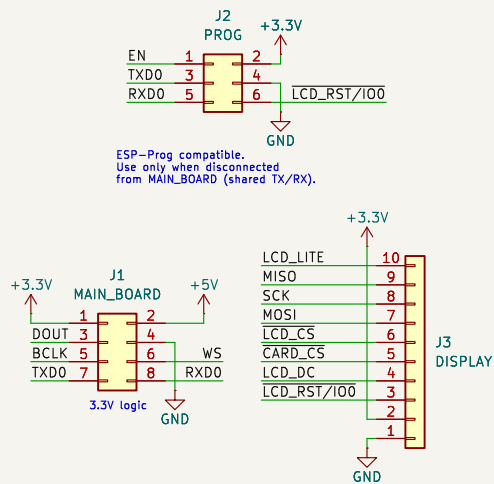
## Rotary Encoder



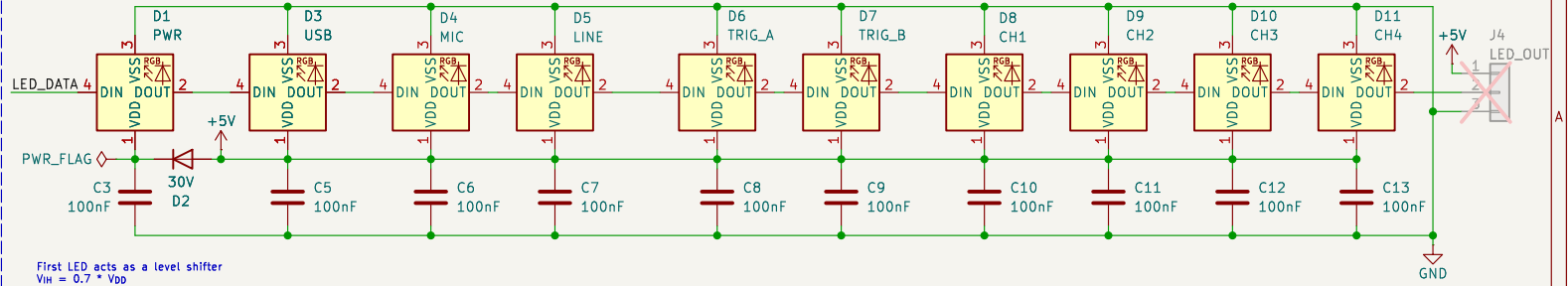
## Buzzer



## Connectors



## Status LEDs



Strapping Pins (ordered by importance):  
 - IO12 (MTDI): PD  
 - IO2: PD  
 - IO15 (MT00): PU  
 - IO5: PU  
 - IO0: PU

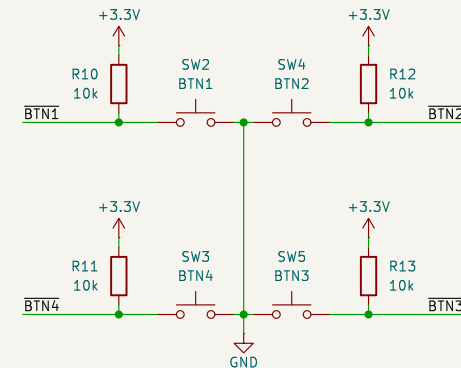
IO\_MUX SPI:

SPI2 (HSPI):  
 Overlaps strapping pins (IO12), skipped so devices with non-tristate MISO pins will not brick bootup.

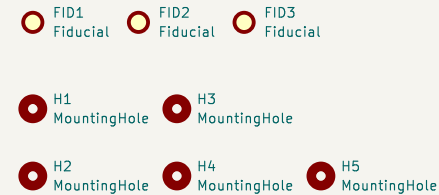
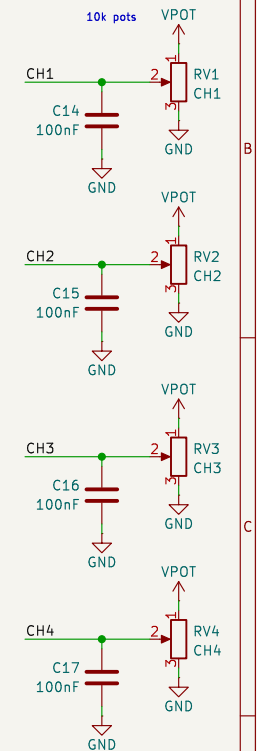
SPI3 (VSPI):  
 CS: 5  
 CLK: 18  
 MISO: 19  
 MOSI: 23

Pin	Function
100	LCD_RST/IO0
95	TXD0
24	LED_DATA
34	RXD0
26	ENC_SW
104	LCD_CS
14	BUZZER
16	LCD_LITE
13	BTN3
23	CARD_CS
27	ENC_A
28	ENC_B
30	SCK
31	MISO
1019	BTN4
33	LCD_DC
1021	MOSI
1022	WS
1023	BTN2
1025	BTN1
1026	DOUT
1027	BCLK
1032	CH3
1033	CH4
1034	
1035	

## Buttons



## Ch. Level Adjust



Front panel control board designed for the SW32.

Provides the following:

1x rotary encoder, 4x pots, 4x push buttons, 1x buzzer, 10x RGB LEDs  
 Buttons and encoder are firmware debounced.

saawsm

Sheet: /

File: front\_control\_board.kicad\_sch

Title: SW32

Size: A4

Date: 2024-06-12

Rev: 1

KiCad E.D.A. 8.0.2

Id: 1/1