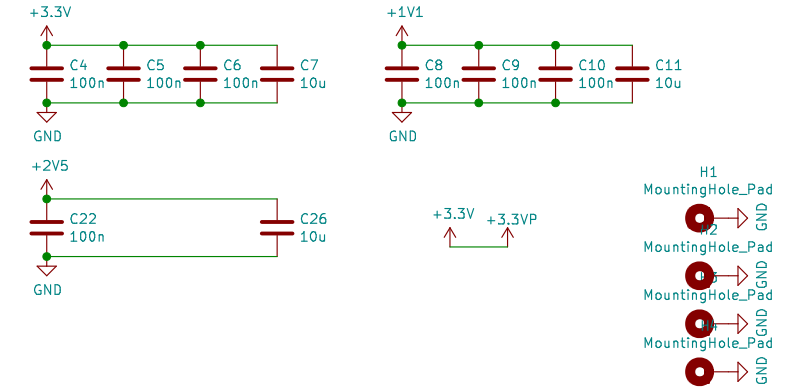
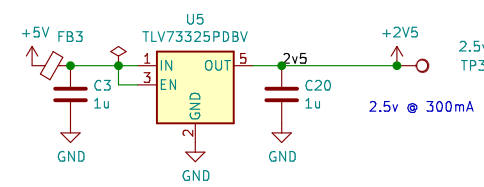
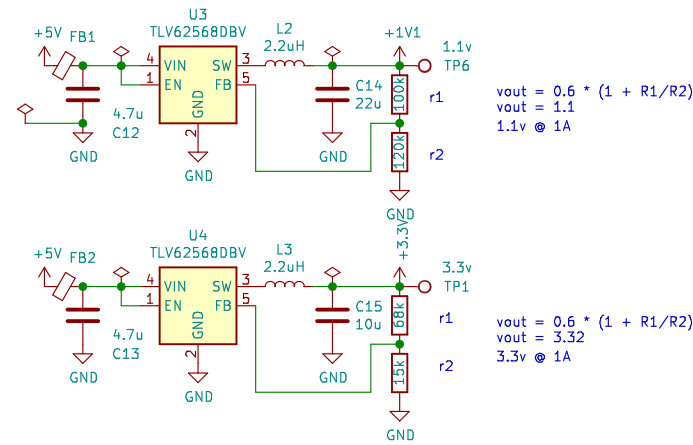
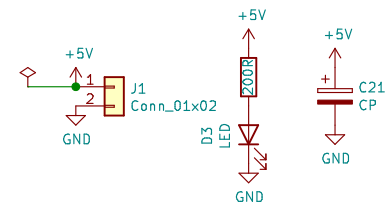
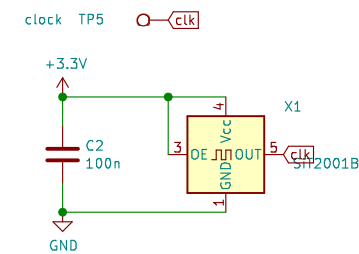


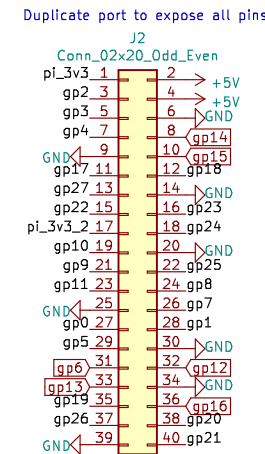
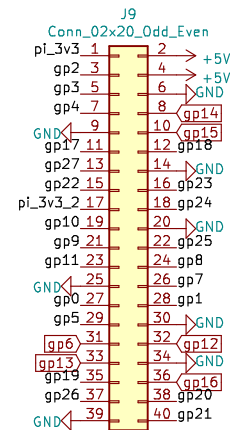
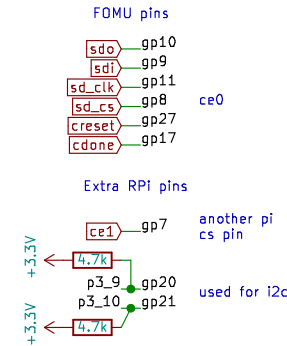
# Power Supply



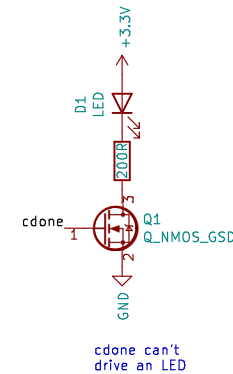
# Clock



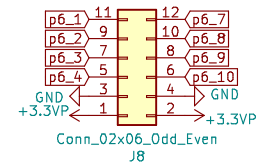
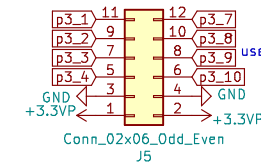
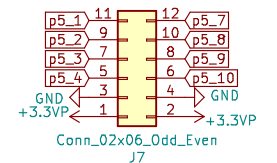
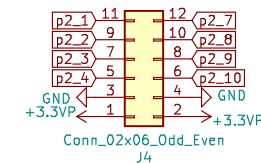
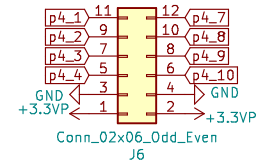
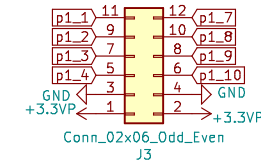
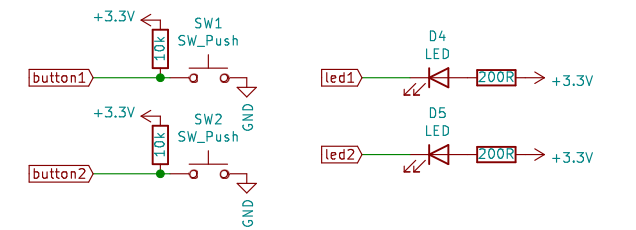
# Programming



# CDONE



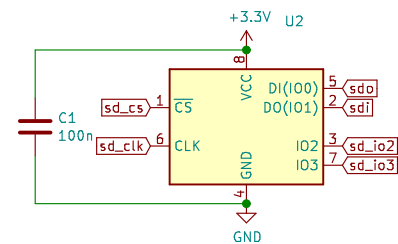
# Peripherals



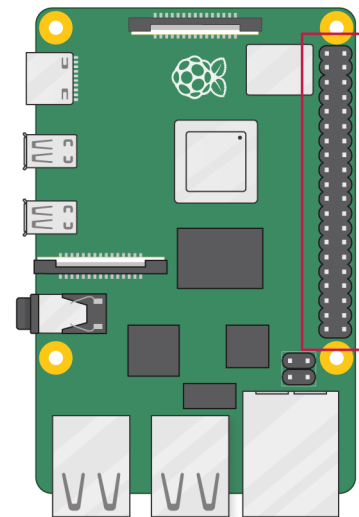
# FLASH

16Mb FLASH supports 0Bh fast read

IS25LP016D-JBLE



# Raspberry Pi Pinning



3V3 power	1	2	5V power
GPIO 2 (SDA)	3	4	5V power
GPIO 3 (SCL)	5	6	Ground
GPIO 4 (GPCLK0)	7	8	GPIO 14 (TXD)
Ground	9	10	GPIO 15 (RXD)
GPIO 17	11	12	GPIO 18 (PCM_CLK)
GPIO 27	13	14	Ground
GPIO 22	15	16	GPIO 23
3V3 power	17	18	GPIO 24
GPIO 10 (MOSI)	19	20	Ground
GPIO 9 (MISO)	21	22	GPIO 25
GPIO 11 (SCLK)	23	24	GPIO 8 (CE0)
Ground	25	26	GPIO 7 (CE1)
GPIO 0 (ID_SD)	27	28	GPIO 1 (ID_SC)
GPIO 5	29	30	Ground
GPIO 6	31	32	GPIO 12 (PWM0)
GPIO 13 (PWM1)	33	34	Ground
GPIO 19 (PCM_FS)	35	36	GPIO 16
GPIO 26	37	38	GPIO 20 (PCM_DIN)
Ground	39	40	GPIO 21 (PCM_DOUT)

# FPGA

Sheet: fpga

File: fpga.sch

Matt Venn

Sheet: /  
File: basic-ecp5-pcb.sch

Title: basic ecp5 board

Size: A3 Date: 2020-07-16

KiCad E.D.A. kicad 5.1.6-c6e7f7d87ubuntu18.04.1

Rev: 0.1

Id: 1/2

