

12345678

bus

power

buffers

fpanel

File: bus.kicad_sch
65816CPU

File: power.kicad_sch
GALS

File: buffers.kicad_sch
bus sharing

File: fpanel.kicad_sch
mapper

File: 65816CPU.kicad_sch

File: GALS.kicad_sch

File: bussharing.kicad_sch

File: mapper.kicad_sch

Sheet: /
File: processor.65816.kicad_sch

Title: Duodyne 65816 CPU board

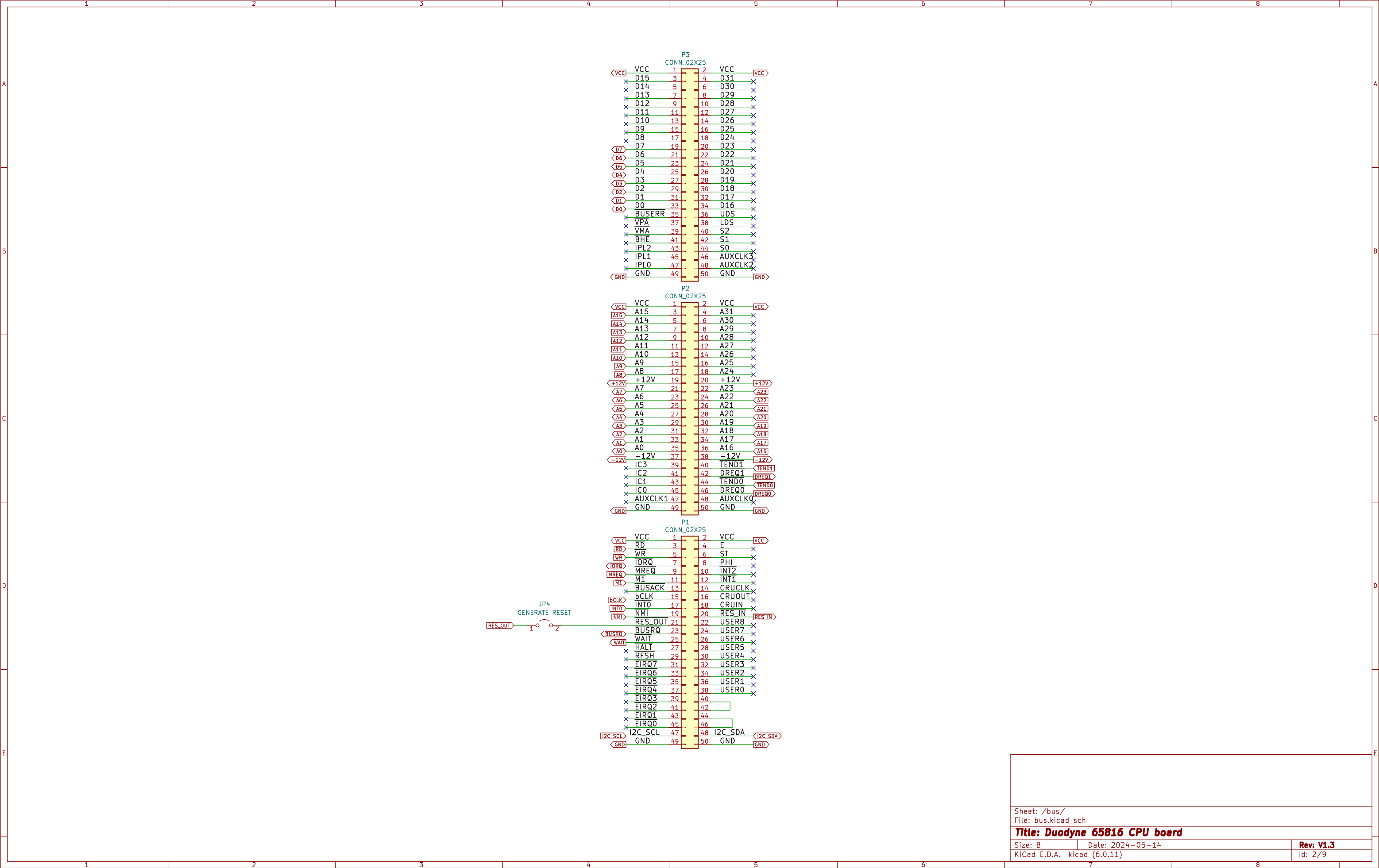
Size: B

Date: 2024-05-14

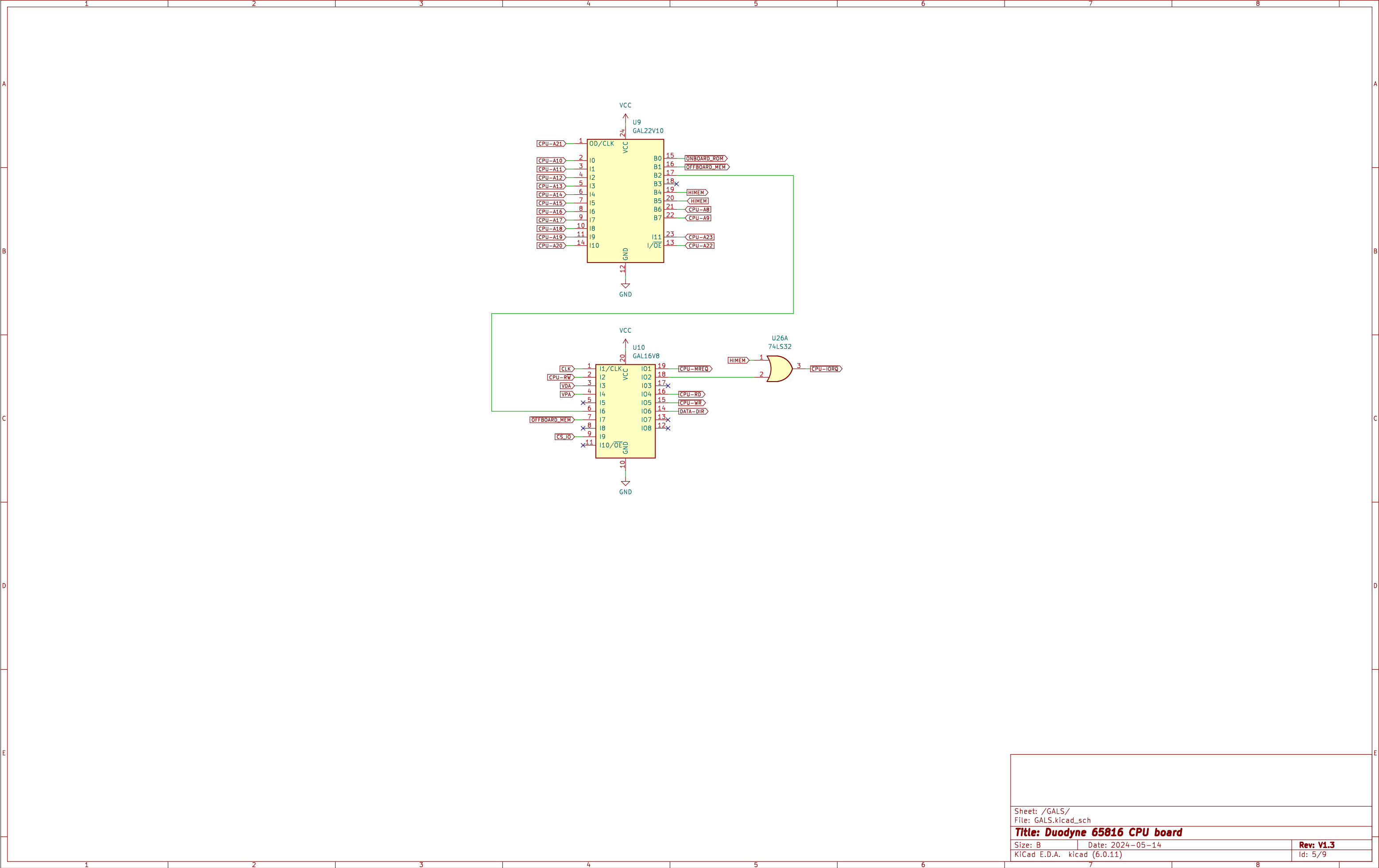
Rev: V1.3

KiCad E.D.A. kicad (6.0.11)

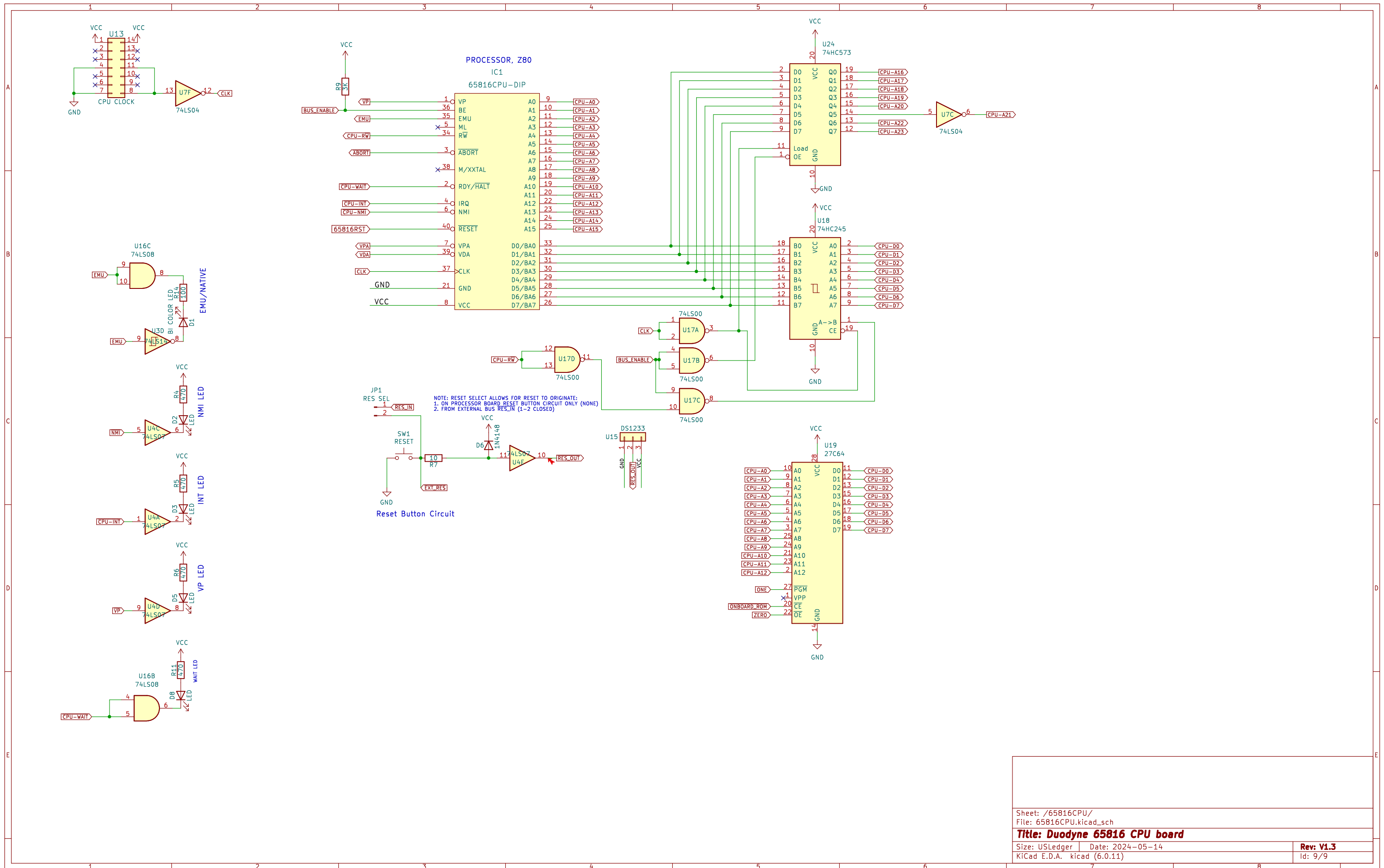
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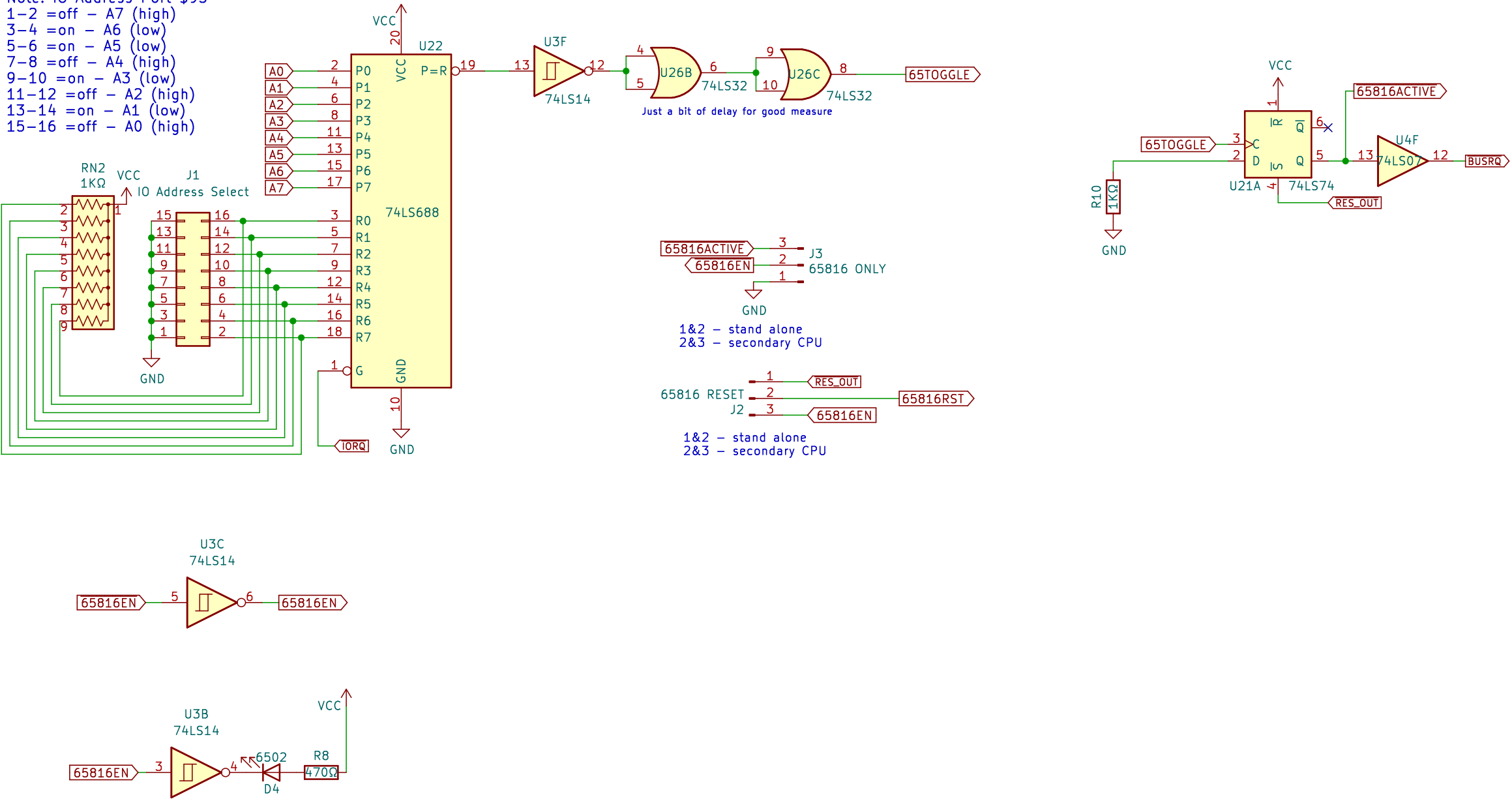








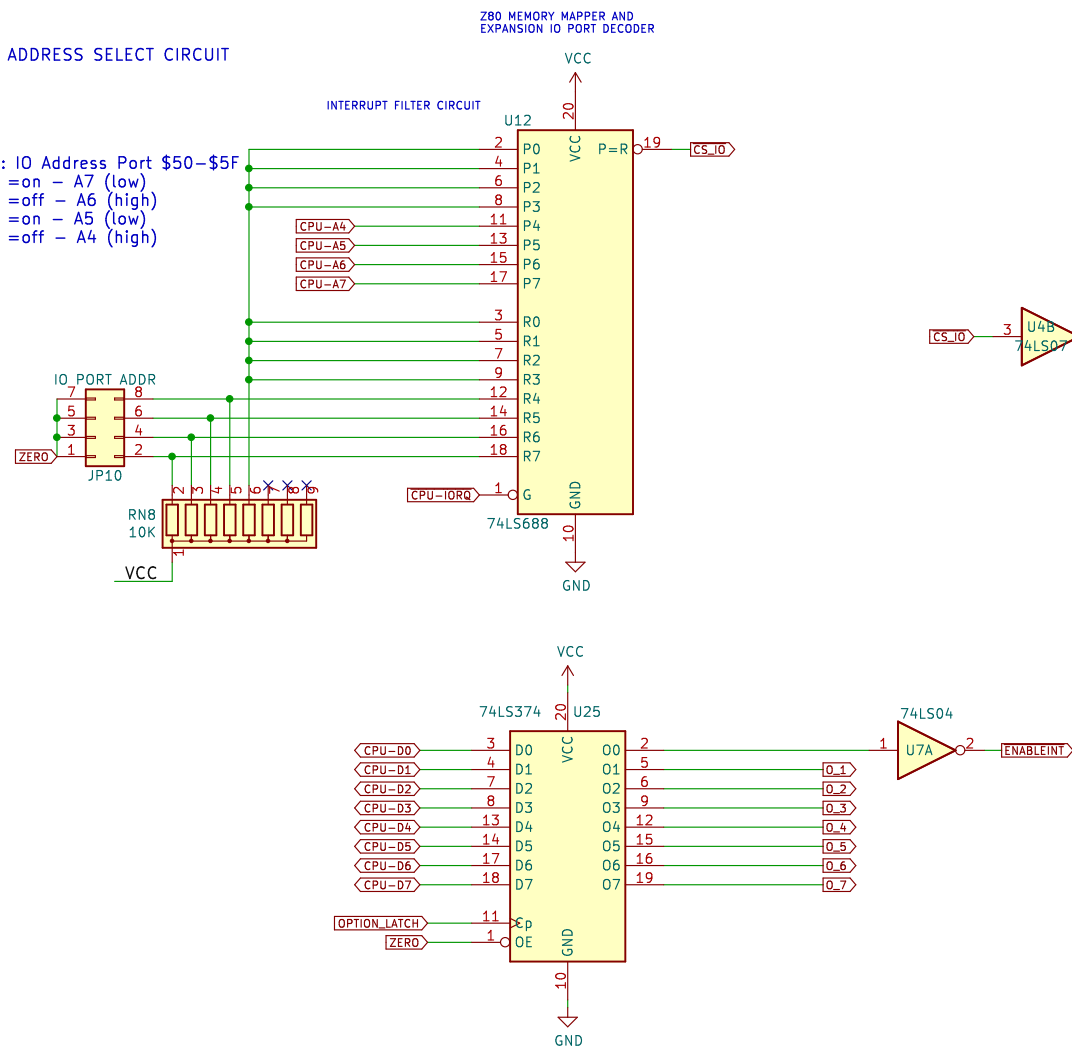
Note: IO Address Port \$95
1-2 =off - A7 (high)
3-4 =on - A6 (low)
5-6 =on - A5 (low)
7-8 =off - A4 (high)
9-10 =on - A3 (low)
11-12 =off - A2 (high)
13-14 =on - A1 (low)
15-16 =off - A0 (high)





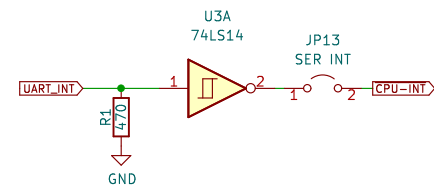
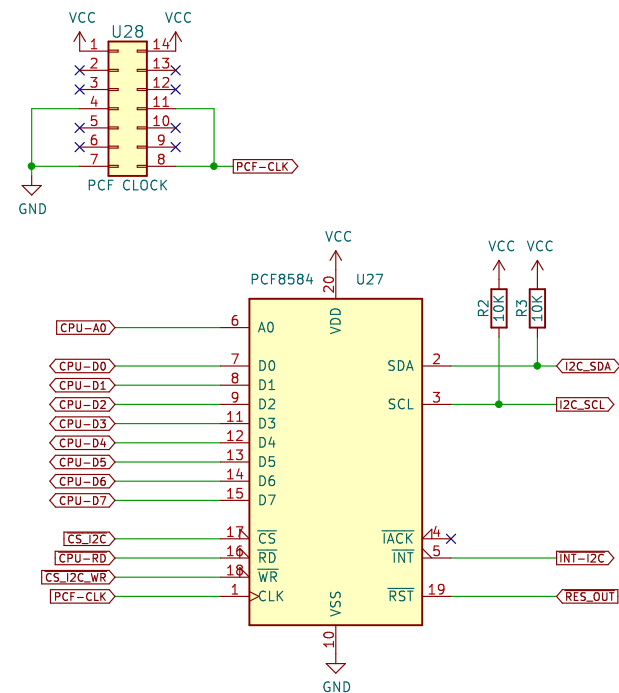
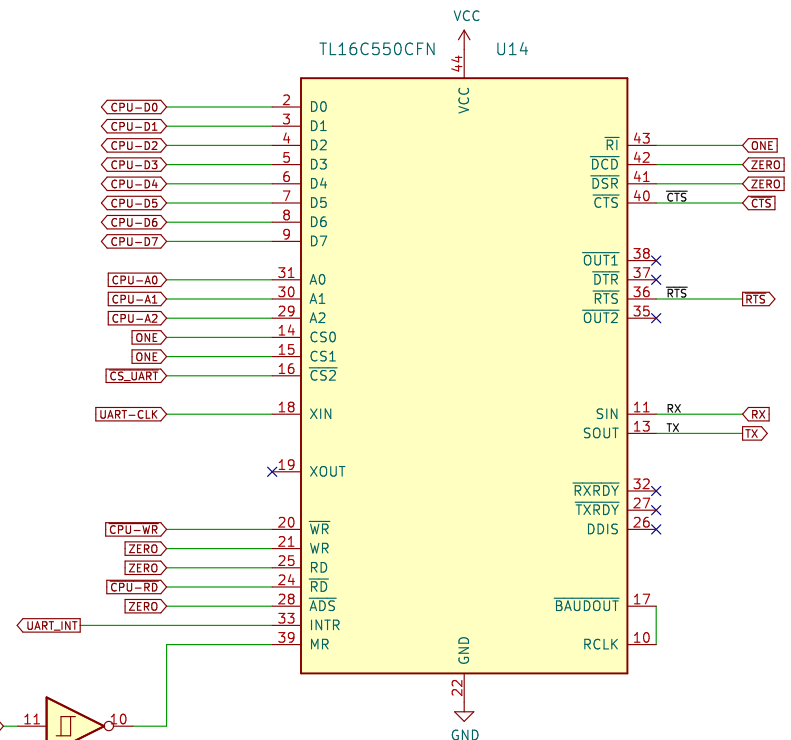
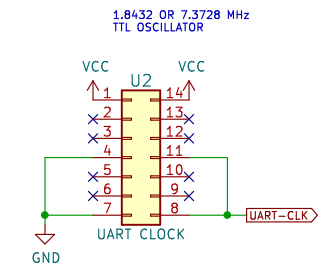
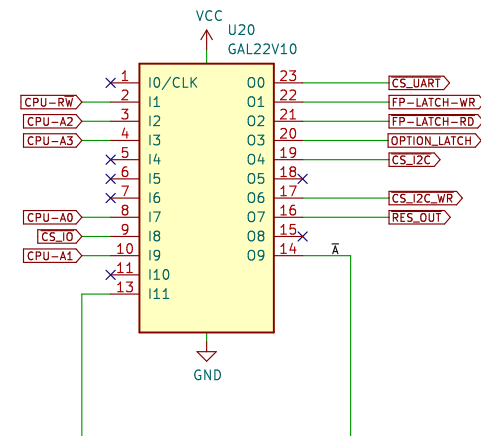
Note: IO Address Port \$50–\$5F

1-2 =on - A7 (low)
3-4 =off - A6 (high)
5-6 =on - A5 (low)
7-8 =off - A4 (high)



IO Address Port \$50-\$5F

| | |
|-----------|--------------|
| \$50 | FRONT PANEL |
| \$51 | OPTION LATCH |
| \$52 | |
| \$53 | RESET |
| \$54 | |
| \$55 | |
| \$56-\$57 | I2C(Rw) |
| \$58-\$5F | UART (Rw) |



NOTE: INTERRUPTS RELY ON 4700
OHM PULL UP RESISTOR ON PROCESSOR