

12345678

A

B

C

D

E

bus

power

buffers

fpanel

65816CPU

GALS

bus sharing

mapper

File: bus.kicad_sch

File: power.kicad_sch

File: buffers.kicad_sch

File: fpanel.kicad_sch

File: 65816CPU.kicad_sch

File: GALS.kicad_sch

File: bussharing.kicad_sch

File: mapper.kicad_sch

Sheet: /

File: processor.65816.kicad_sch

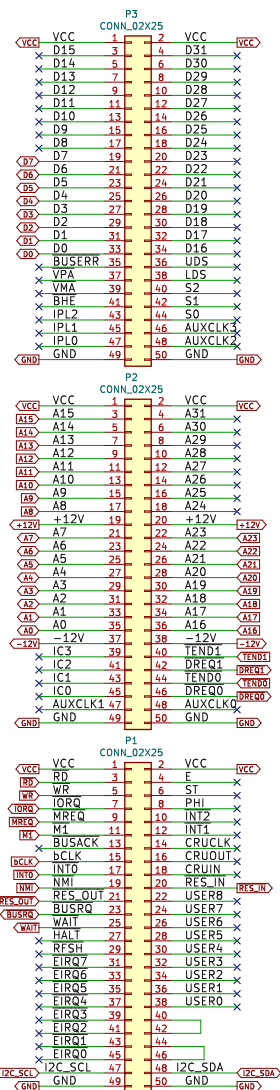
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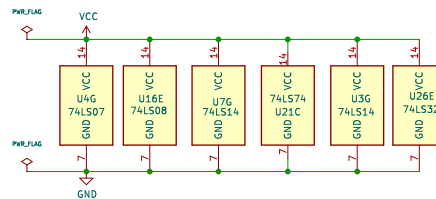
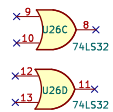
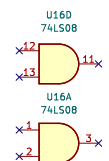
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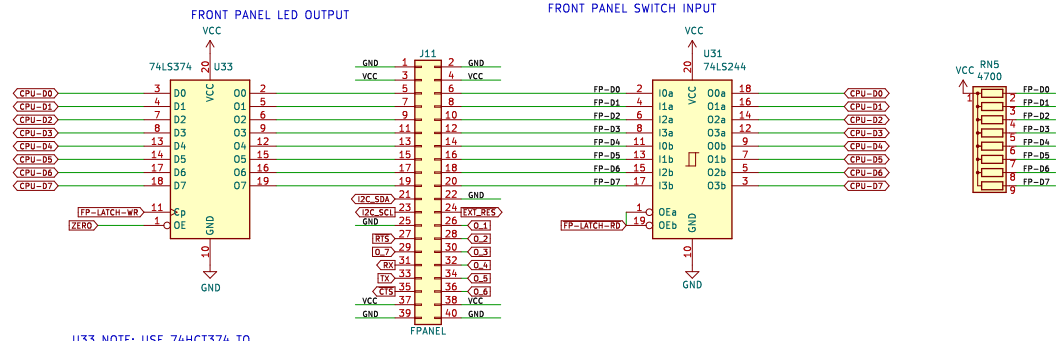
Rev: V1.00

Id: 1/9



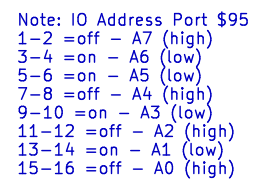






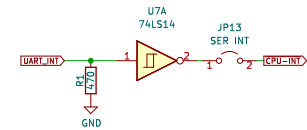
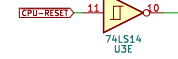
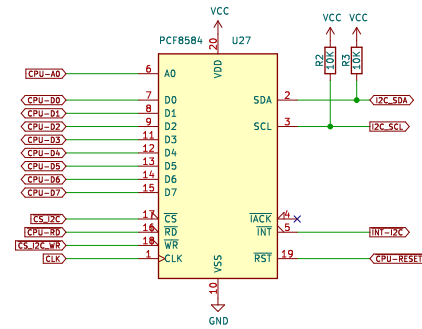
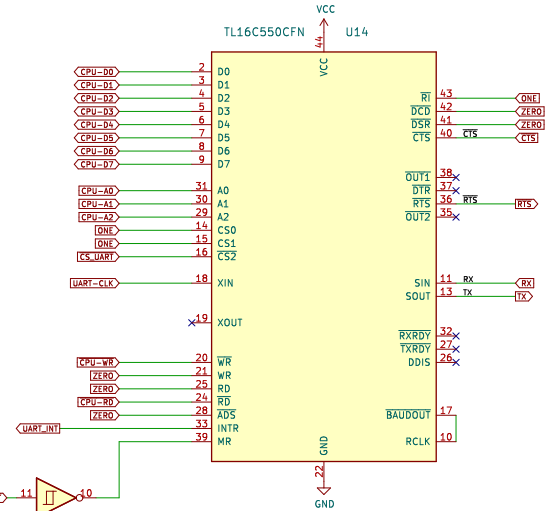
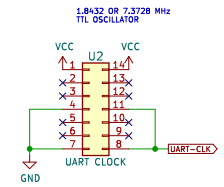
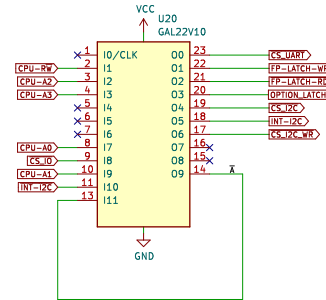
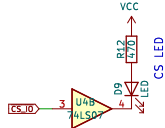
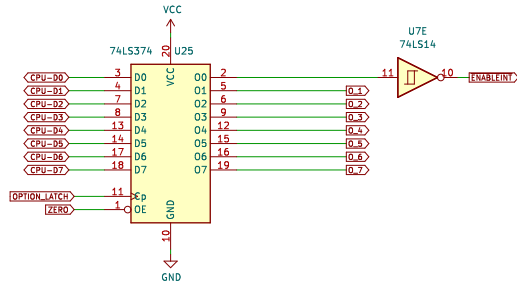
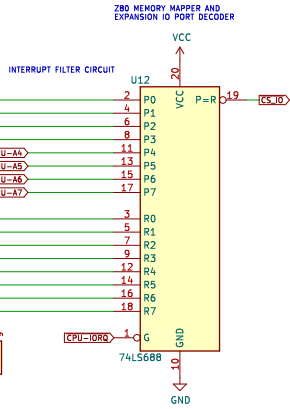
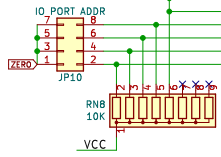
U33 NOTE: USE 74HCT374 TO SOURCE OR SINK ADEQUATE CURRENT TO DRIVE LEDS ON FRONT PANEL

J11 NOTE:
PINS 5, 7, 9, 11, 13, 15, 17, 19 ARE FOR LED STATUS FOR ROW/BSW FRONT PANEL INDICATOR
PINS 6, 8, 10, 12, 14, 16, 18, 20 ARE FOR SWITCH INPUTS FOR ROW/BSW FRONT PANEL
PINS 21, 23 ARE FOR I2C CONNECTION (SDA & SCL)
PINS 25, 27, 29, 31, 33, AND 35 ARE FOR TTL SERIAL CONNECTOR TO UART
PINS 29, 37 ARE FOR SERIAL VCC POWER ENABLE
PINS 22, 24 ARE FOR EXTERNAL RESET SWITCH
PINS 26, 28 ARE FOR IM2 CIRCUIT ENABLE
PINS 30, 32 ARE FOR INTERRUPT 0 ENABLE
PINS 34, 36 ARE FOR WAIT STATE CIRCUIT ENABLE



IO ADDRESS SELECT CIRCUIT

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)



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