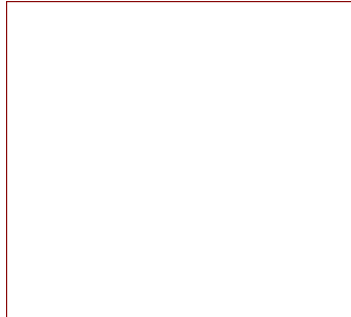


bus



File: bus.kicad_sch

power



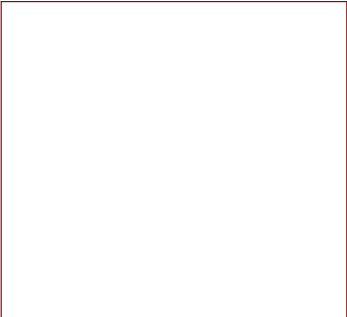
File: power.kicad_sch

PPIDE



File: PPIDE.kicad_sch

FDC



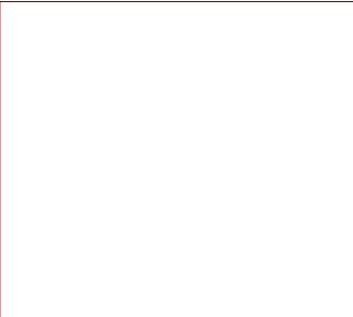
File: FDC.kicad_sch

GAL



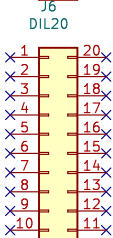
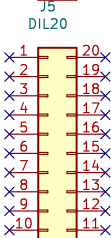
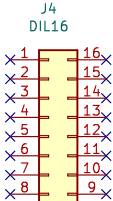
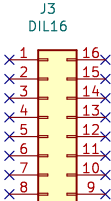
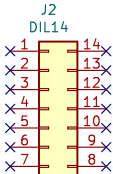
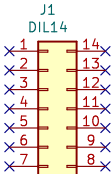
File: GAL.kicad_sch

buffers



File: buffers.kicad_sch

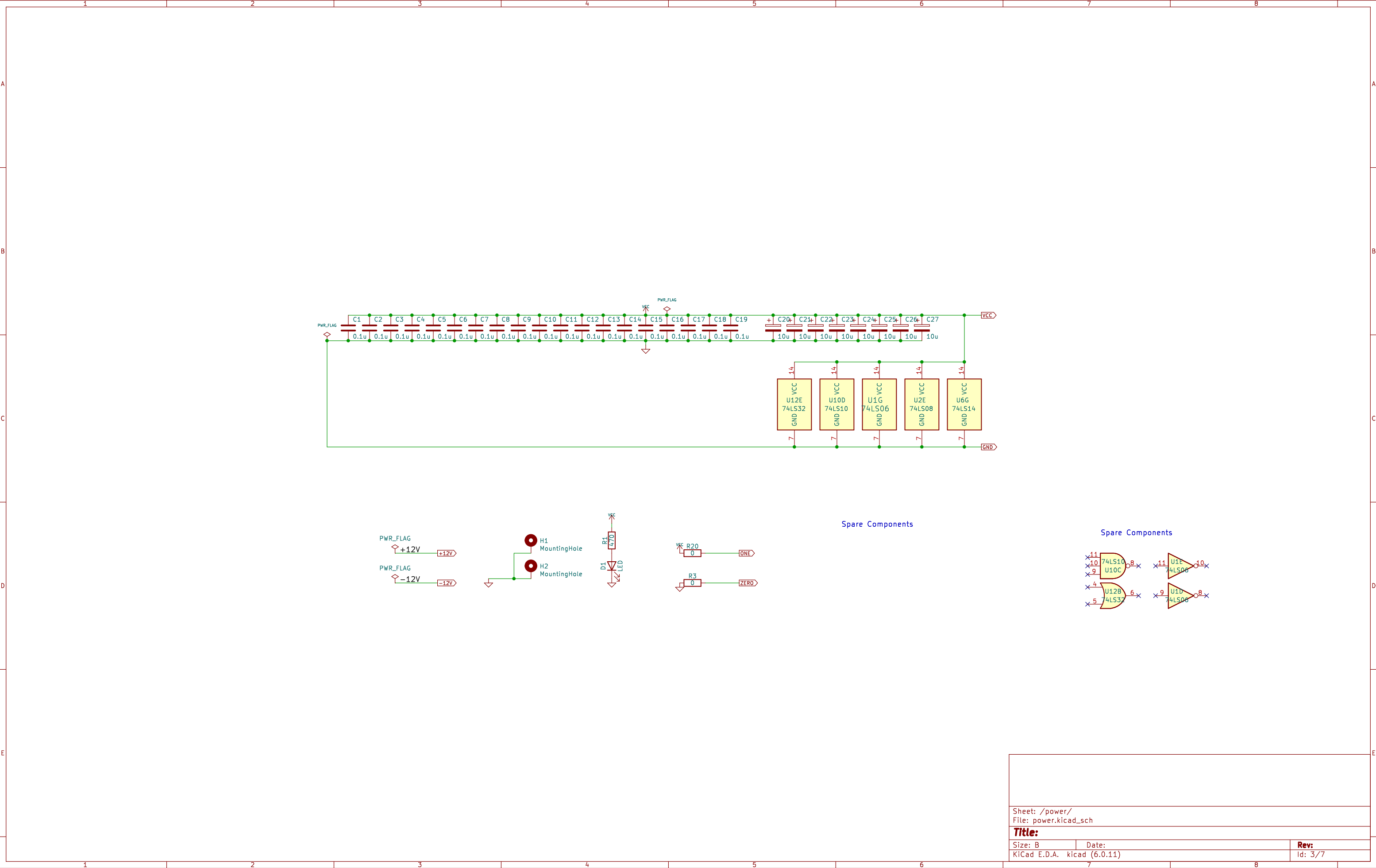
SPARE SOCKETS
FOR DEBUGGING

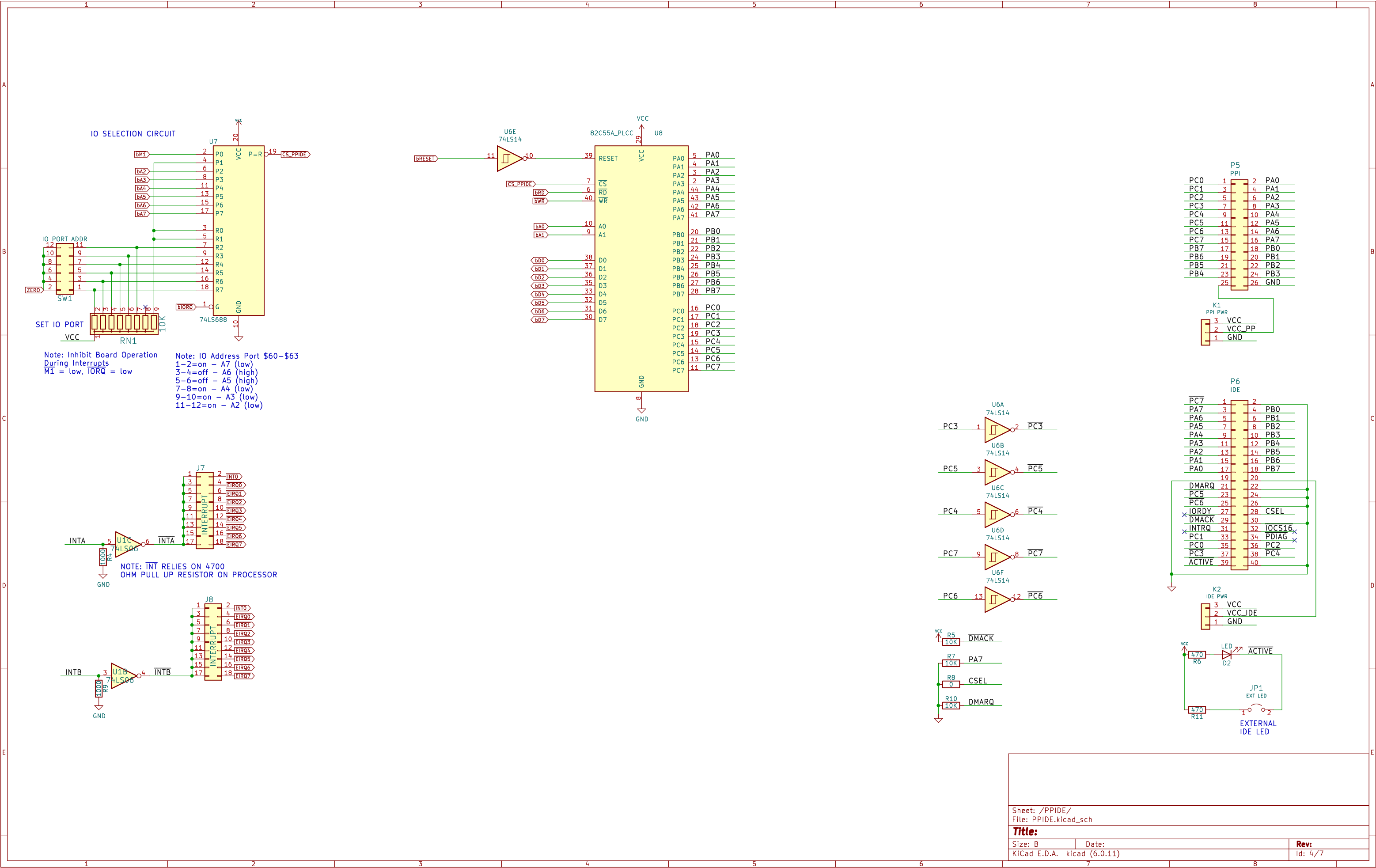


Sheet: /
File: input-output.Disk.kicad_sch

Title:

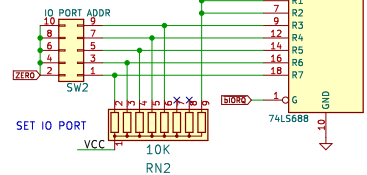
| | | |
|-----------------------------|-------|---------|
| Size: B | Date: | Rev: |
| KiCad E.D.A. kicad (6.0.11) | | Id: 1/7 |





IO SELECTION CIRCUIT

Note: Inhibit Board Operation
During Interrupts
M1 = low, IORQ = low



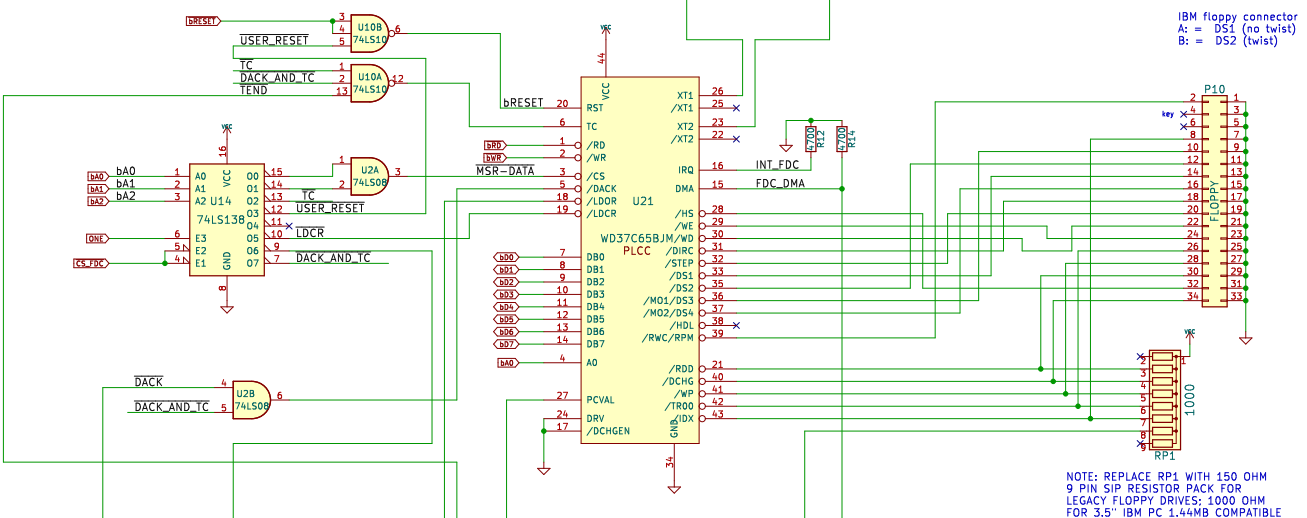
Note: IO Address Port \$E8-\$EF
1-2 = off - A7 (high)
3-4 = off - A6 (high)
5-6 = off - A5 (high)
7-8 = on - A4 (low)
9-10 = off - A3 (high)

Note: IO Address Ports \$30-\$37
S1=on - A7 (low)
S2=on - A6 (low)
S3=off - A5 (high)
S4=off - A4 (high)
S5=on - A3 (low)
S6=xx - A2 (xx)
S7=xx - A1 (xx)
S8=xx - A0 (xx)

FLOPPY DRIVE INTERFACE

IO Ports
x0 read Main Status Register
x1 read/write Data In/Out
x2 read/write Terminal Count
x3 read/write User Reset FDC
x4 <none>
x5 write Load Control Register
x6 read DMA Acknowledge/write Load Operations Register
x7 read DMA Acknowledge and Terminal Count

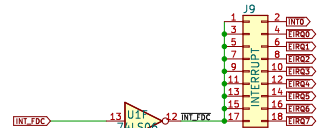
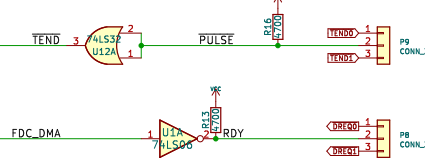
NOTE: U12 OPTIONAL
SECONDARY CLOCK
FOR 150/300 KBPS
DRIVES. USE PS 1-2
CLOSED TO ENABLE:
DEFAULT IS 2-3 CLOSED



IBM floppy connector
A = D51 (no twist)
B = D52 (twist)

NOTE: REPLACE RP1 WITH 150 OHM
9 PIN DIP RESISTOR PACK FOR
LEGACY FLOPPY DRIVES: 1000 OHM
FOR 3.5" IBM PC 1.44MB COMPATIBLE

EXTERNAL DMA INTERFACE



NOTE: RELIES ON 4700 OHM PULL UP
RESISTOR ON Z80 PROCESSOR BOARD

