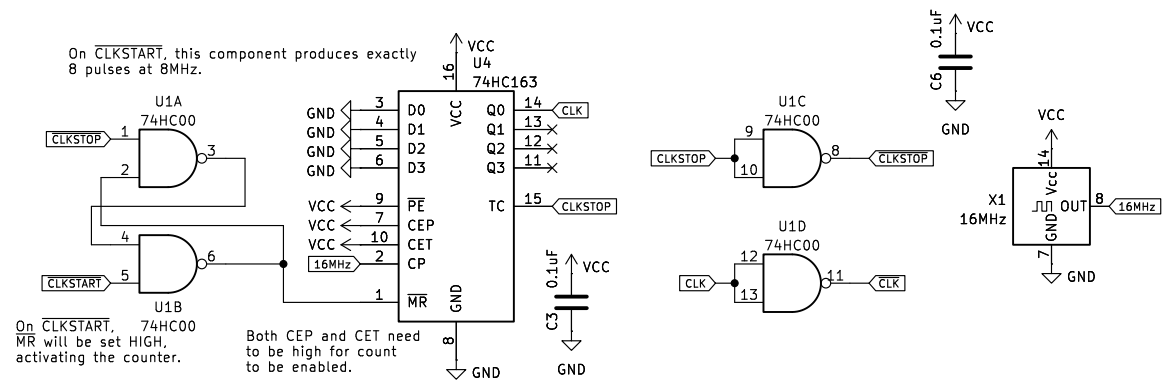
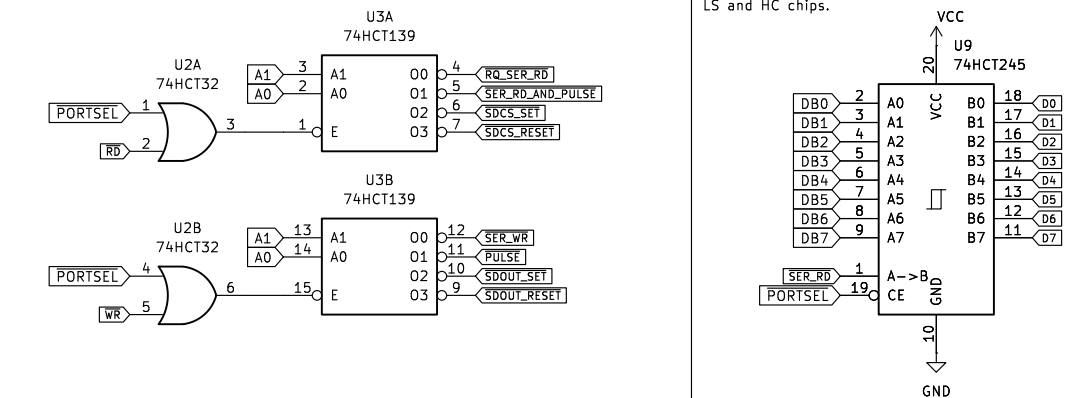


CLOCK COMPONENT



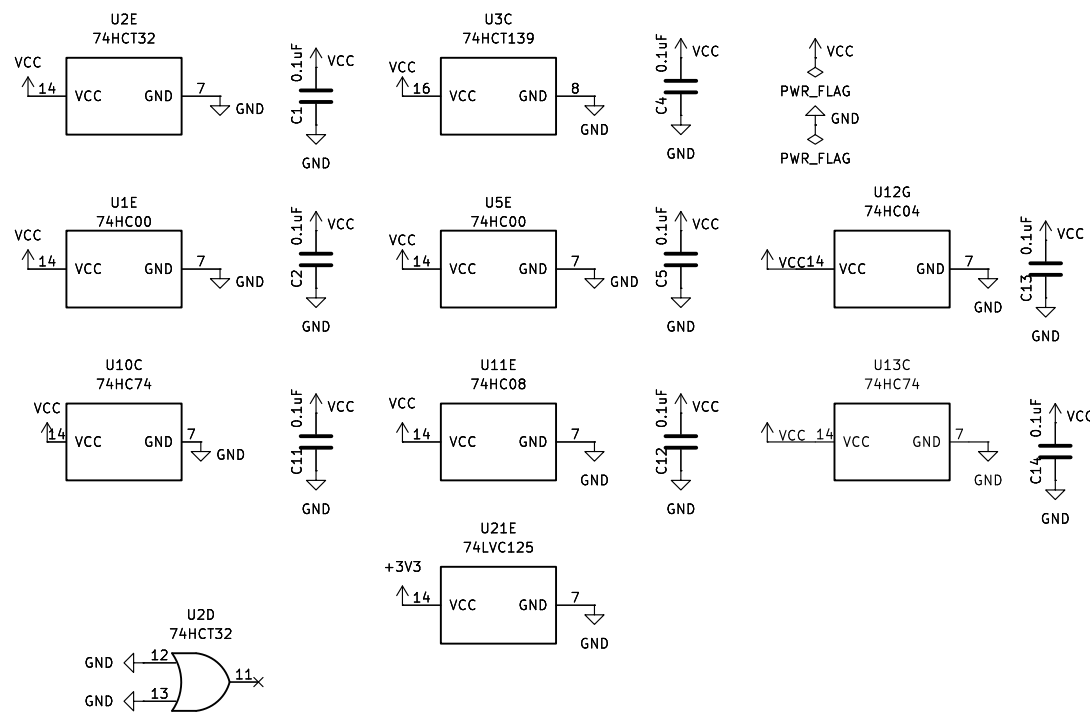
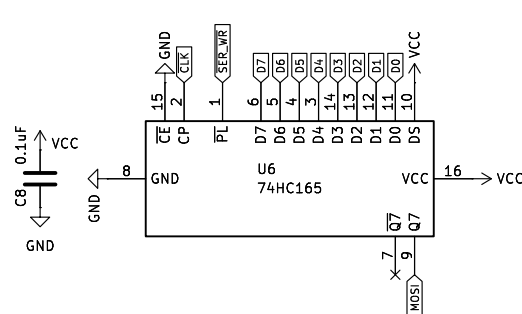
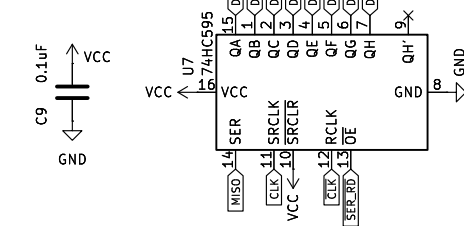
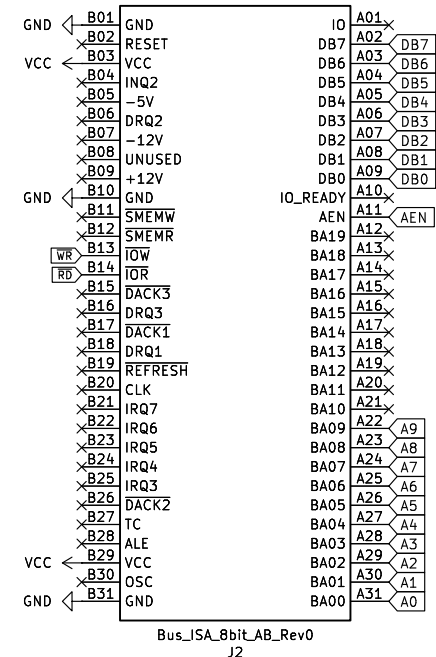
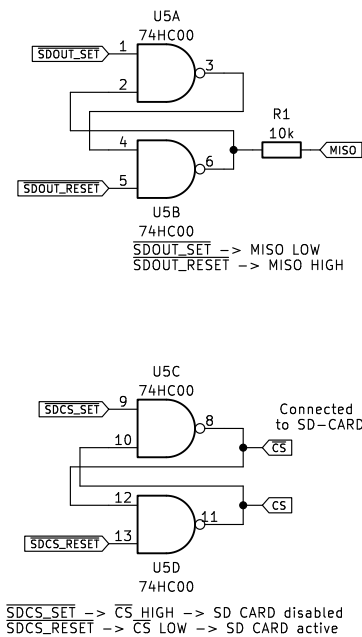
SELECTION COMPONENT



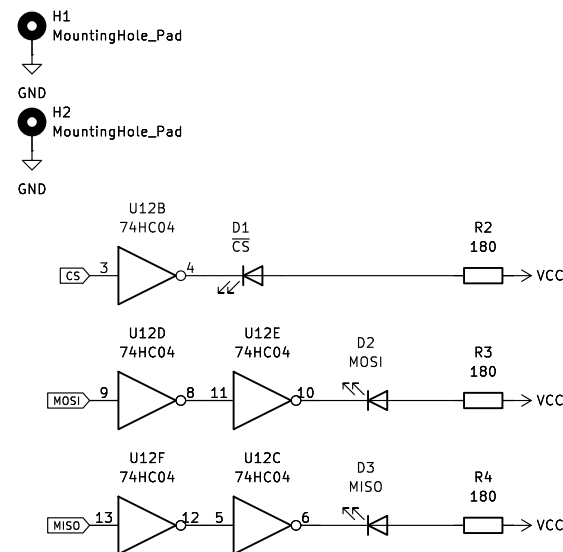
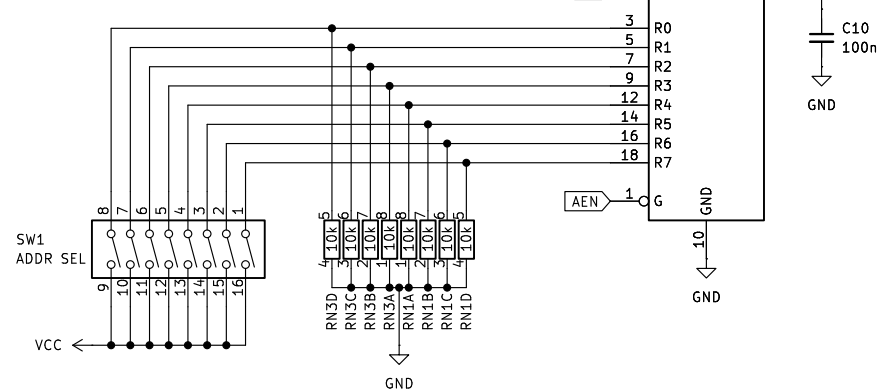
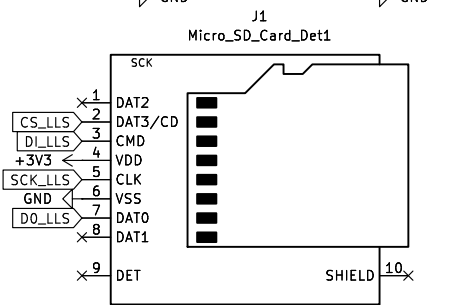
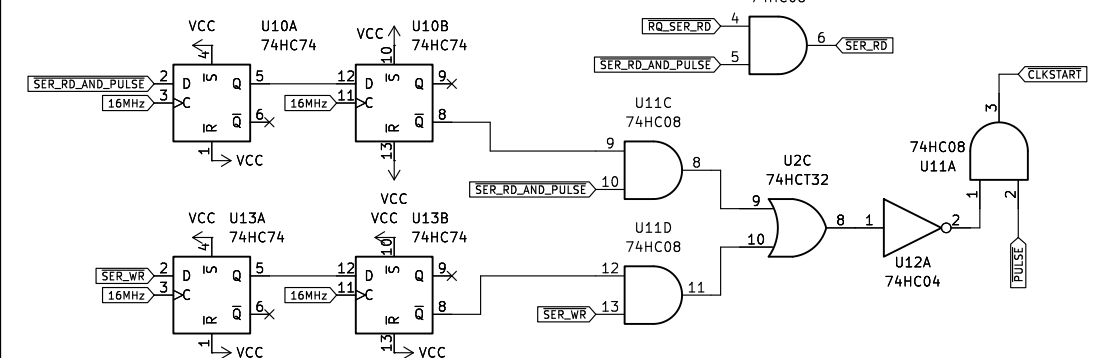
out \$XX0: SER_WR is pulled low, loading the values on the data bus into the out register.
 out \$XX1: CLKSTART is pulled low, starting the counter circuit and pushing a byte into the SD card while simultaneously reading a byte.
 out \$XX2: SDCS_SET is pulled low, pulling CS high, deactivating the SD card.
 out \$XX3: SDCS_RESET is pulled low, pulling CS low, activating the SD card.

in \$XX0: SER_RD is pulled low, reading from the in register.
 in \$XX1: Does READ and then PULSE
 in \$XX2: SDOUT_SET is pulled low, pulling MISO low via a 10k resistor.
 in \$XX3: SDOUT_RESET is pulled low, pulling MISO high via a 10k resistor.

When no card is present, the output of the SD card will follow the output of the SET/RESET latch, however if a card is present, though unresponsive, it will not follow and the same (high) output will be received.

SHIFT REGISTER Z80 -> SD
OUT REGISTERSHIFT REGISTER SD -> Z80
IN REGISTERSD CARD
S/R LATCHES

First read, then pulse, so another byte is made ready.
 Used for reading blocks.



Sheet: /

File: isa-sdcard.kicad_sch

Title: ISA-TO-SDCARD

Size: A3

Date: 2025-08-17

Rev: rev0

KiCad E.D.A. 9.0.2

Id: 1/1