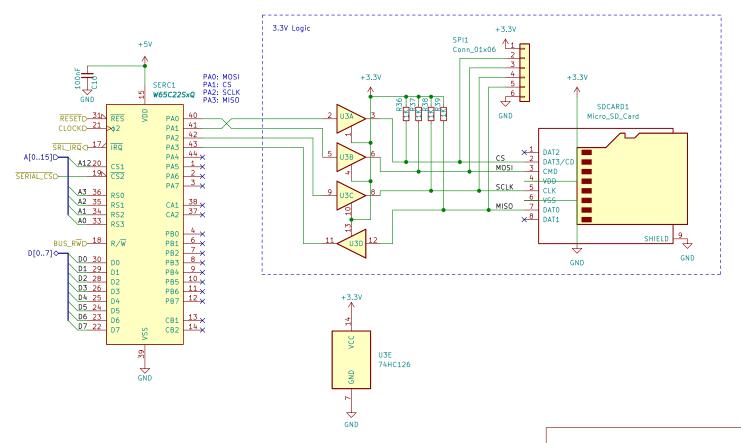


## SPI SD Card Interface

0x5000 - 0x500F

Serial SPI Interface will be used to interact primarily with SD cards. There is also a SPI Header to allow connecting other devices but only ONE at a time.



Homebrew 8-Bit Computer Open Source Hardware Project https://github.com/zrthxn/8puter

zrthxn

Sheet: /Storage/ File: storage.kicad\_sch

Title: 8puter

 Size: A4
 Date:
 Rev: 1.0

 KiCad E.D.A.
 eeschema 6.0.4–1.fc35
 Id: 4/7

Video Controller

0x4800 - 0x480F

Video will be generated using a microcontroller which is fast enough to generate the VGA timing signals.

CPU will send a single byte to the MCU which can be be a char code or index of glyph, and the MCU just generates the video signal.

This setup is limited in generating graphics but it avoids having to keep a large framebuffer in system memory.

