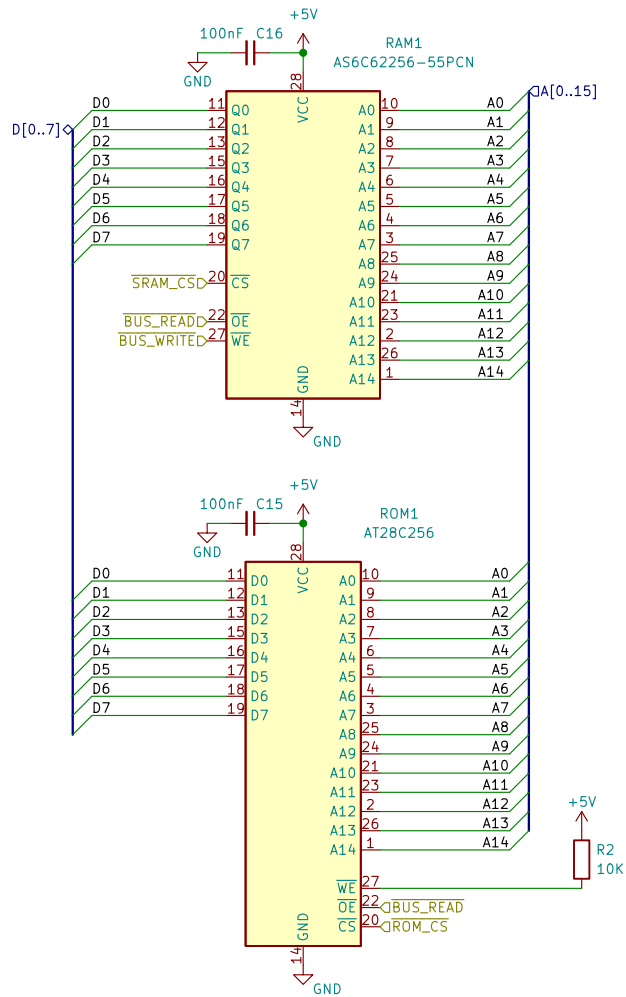


System Memory



RAM: 0x0000 - 0x7FFF
ROM: 0xB000 - 0xFFFF

zrthxn

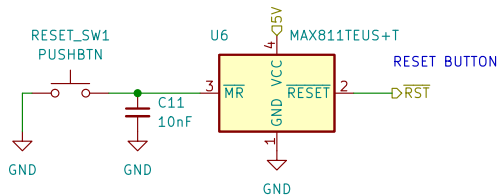
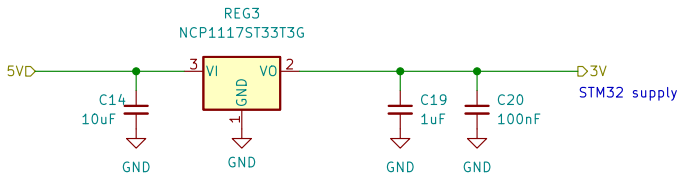
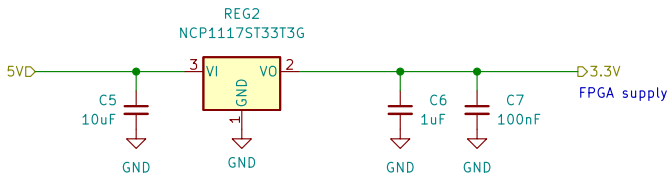
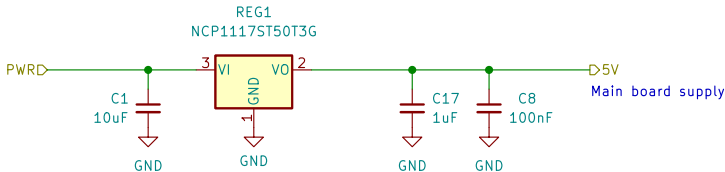
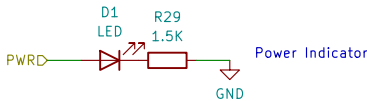
Sheet: /Memory Unit/
File: memory.kicad_sch

Title: 8puter

Size: A4 Date:
KiCad E.D.A. kicad 6.0.4-1.fc35

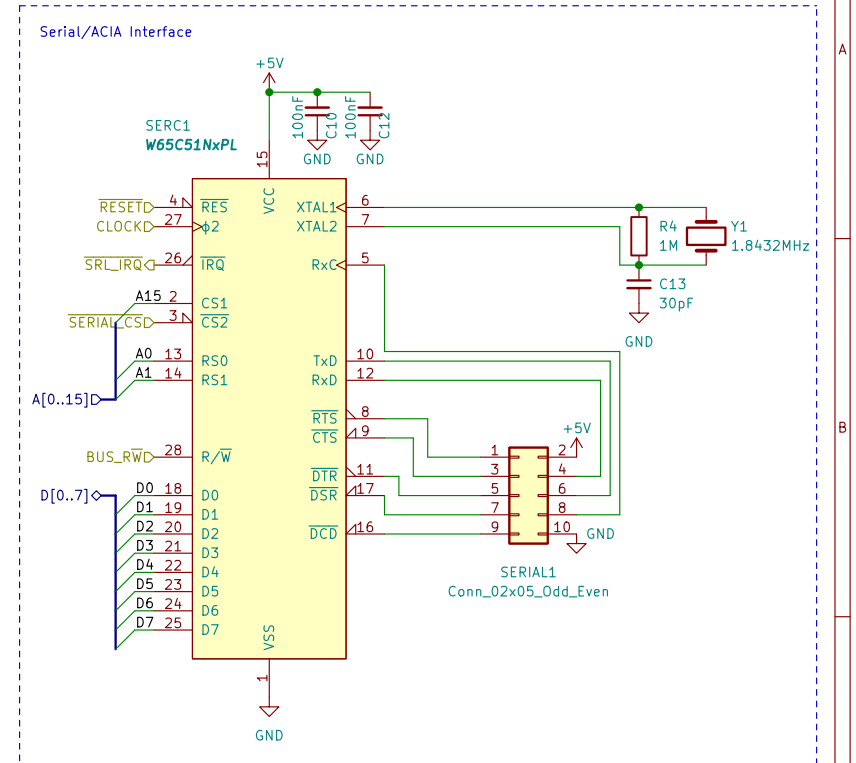
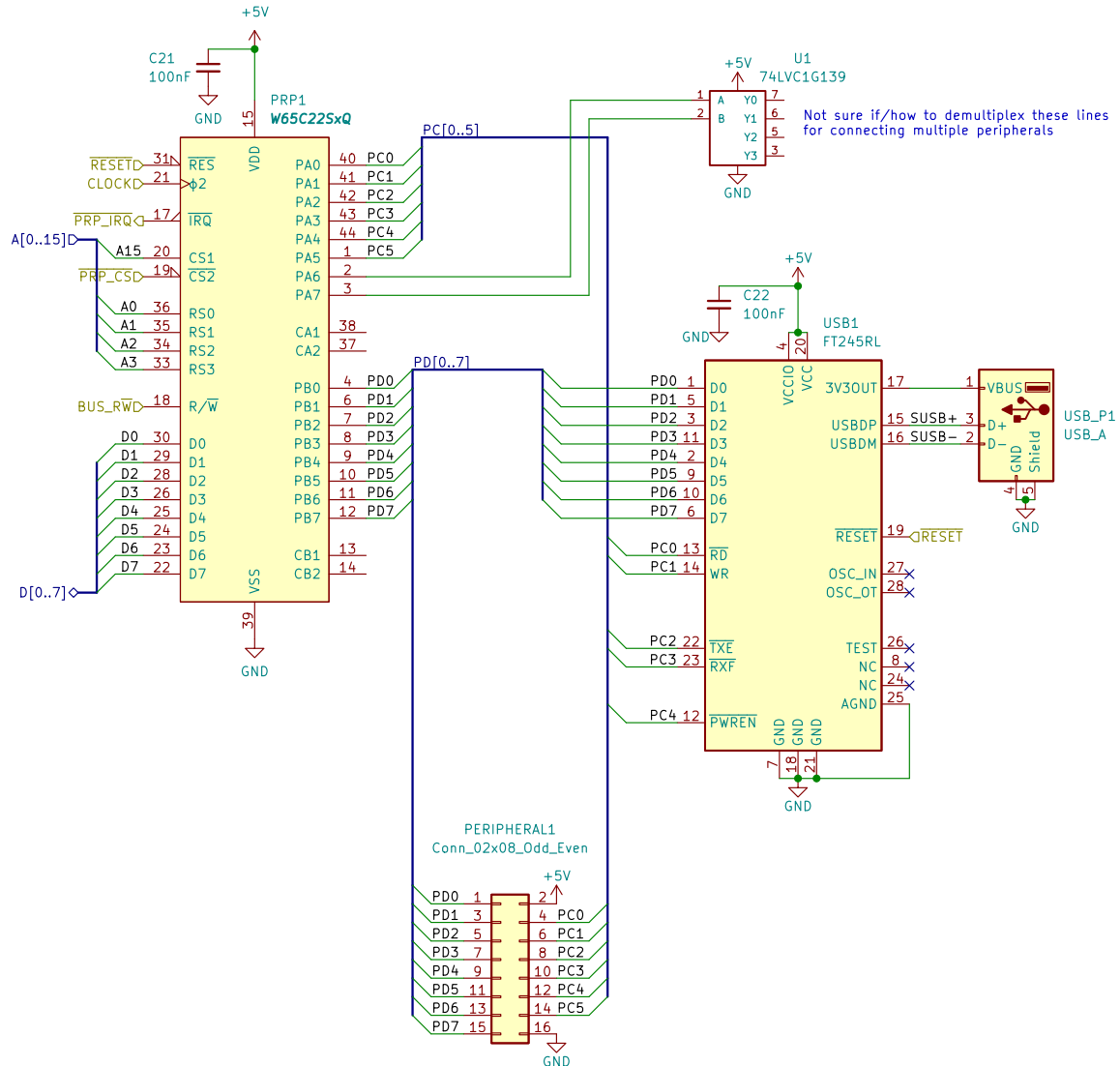
Rev: 1.0
Id: 2/6

Power Delivery



zrthxn	
Sheet: /Power/ File: power.kicad_sch	
Title: 8puter	
Size: A4	Date:
KiCad E.D.A. kicad 6.0.4-1.fc35	
Rev: 1.0	
Id: 3/6	

Peripheral and Serial Interfaces



PRP: 0x8000 - 0x8FFF
SER: 0x9000 - 0x9FFF

zrthxn

Sheet: /Peripheral Handler/
File: peripheral.kicad_sch

Title: 8puter

Size: A4 Date:
KiCad E.D.A. kicad 6.0.4-1.fc35

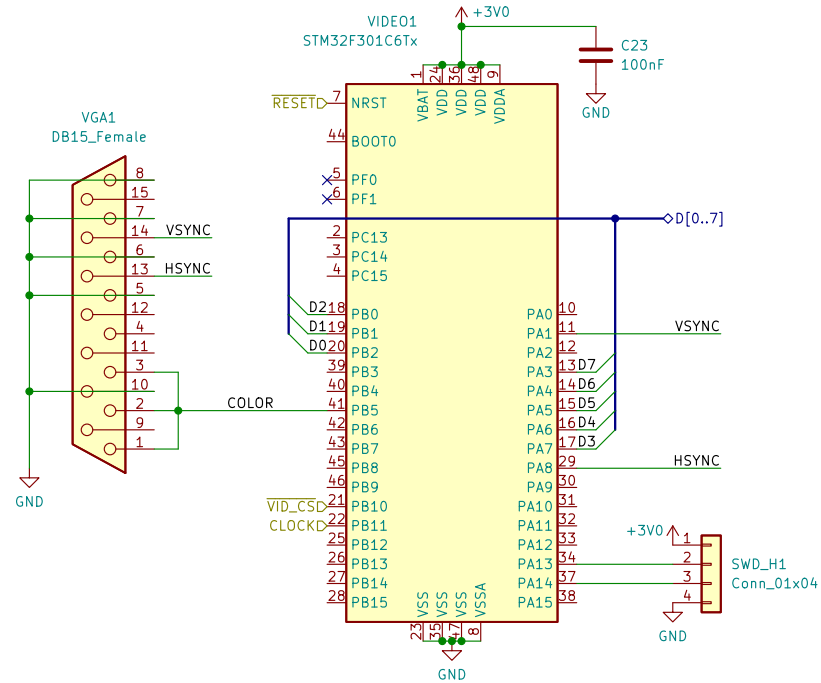
Rev: 1.0
Id: 4/6

Video Controller

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 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.



zrthxn

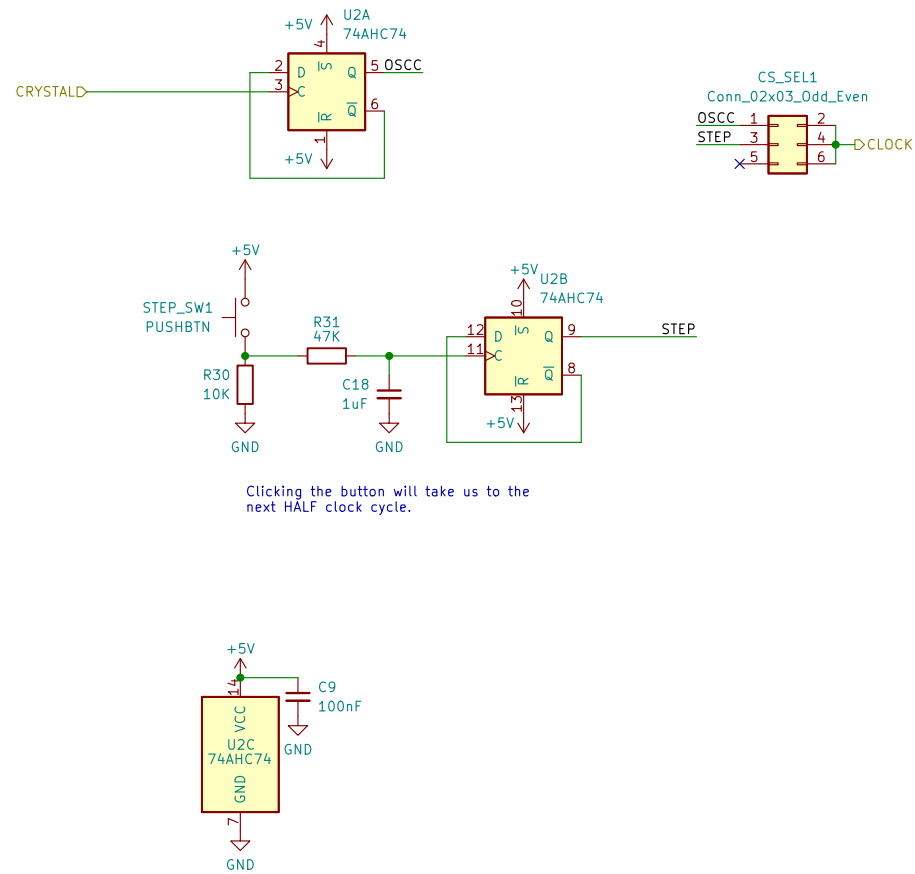
Sheet: /Video/
File: video.kicad_sch

Title: 8puter

Size: A4 Date:
KiCad E.D.A. kicad 6.0.4-1.fc35

Rev: 1.0
Id: 7/6

Clock Source Select



zrthxn

Sheet: /Clock/
File: clock.kicad_sch

Title: 8puter

Size: A4 Date:
KiCad E.D.A. kicad 6.0.4-1.fc35

Rev: 1.0
Id: 8/6