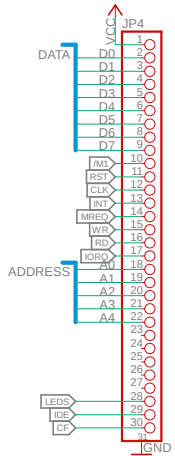
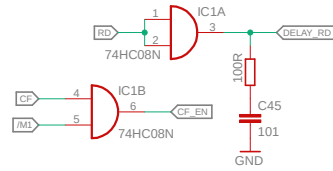


If you want to use SNES controllers, you need to move LATCH to pin 3 (Q5) and add more one 595 per controller to cascade the 16 bits information from joystick. You can chose witch 8 bits you want to read or addresses the two 595 to two IO ports and read all the 16 bits. There are only 12 workable bits send from the SNES controller.

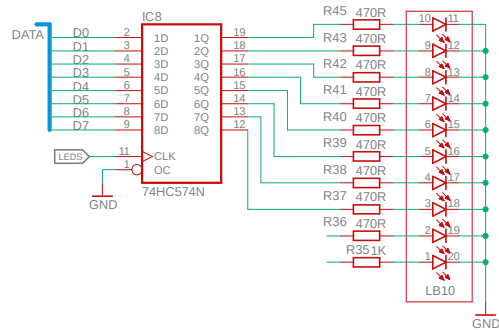
Expansion Connector



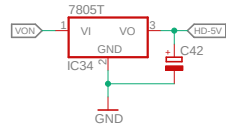
I/O Control



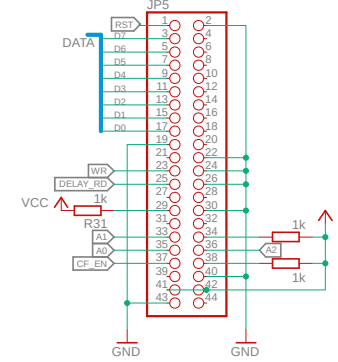
IO 0x00 - Monitor Leds



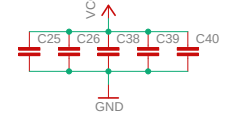
Hard Driver Dedicated 5V Regulator



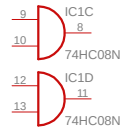
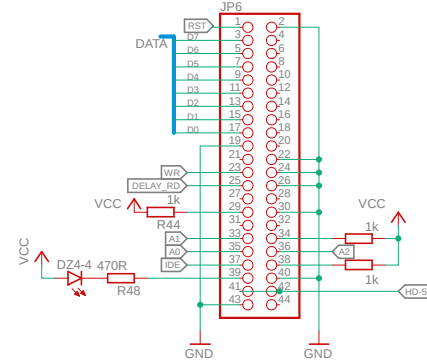
Compact Flash Slot



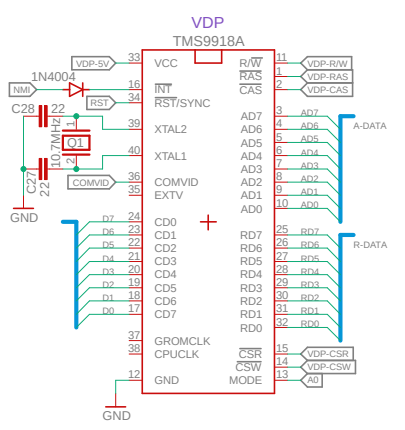
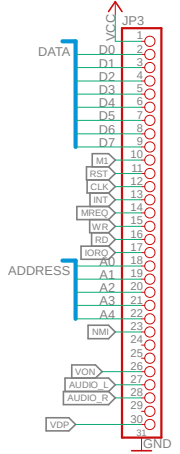
Dec. Capacitors



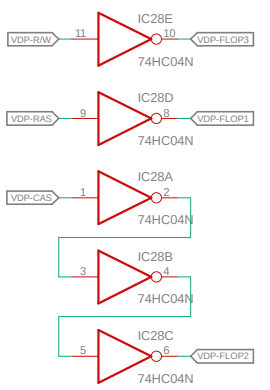
IDE Hard Driver Slot



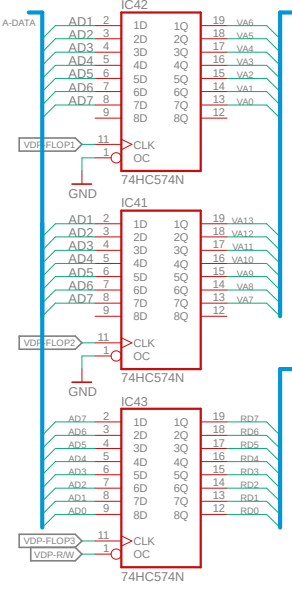
### Expansion Connector



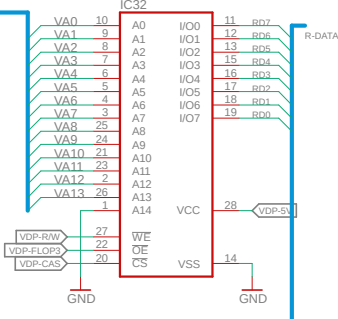
### V-Ram to D-Ram Interface



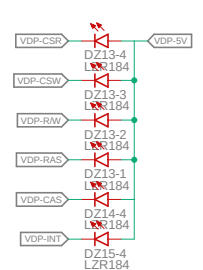
### V-Ram to D-Ram Interface



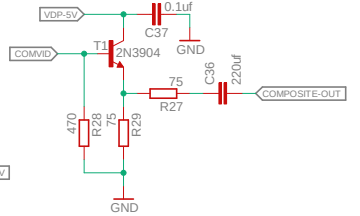
### 16K Video RAM



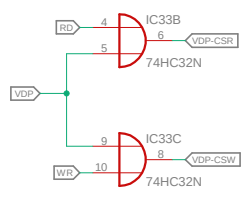
### VDP Monitor Leds



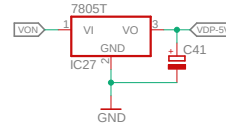
### Composite Video



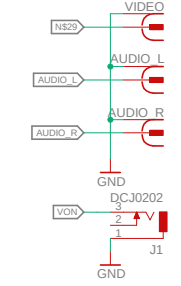
### VDP Control



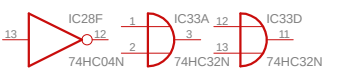
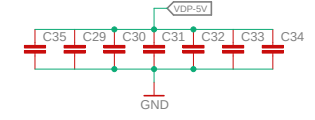
### VDP Dedicated 5V Regulator



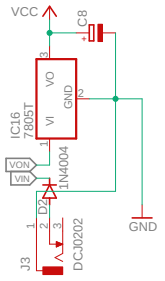
### RCA Out Connectors



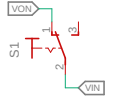
### Dec. Capacitors



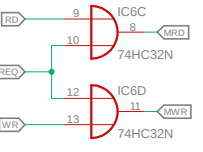
### 5V Regulator



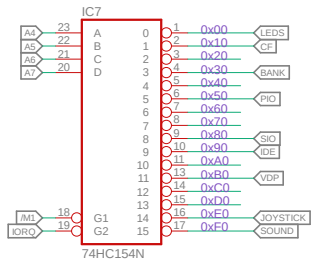
### Power Button



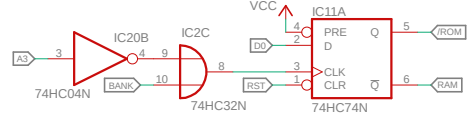
### Memory Control



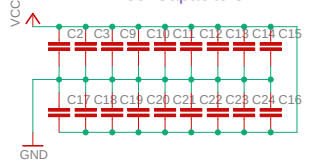
### I/O Decoder



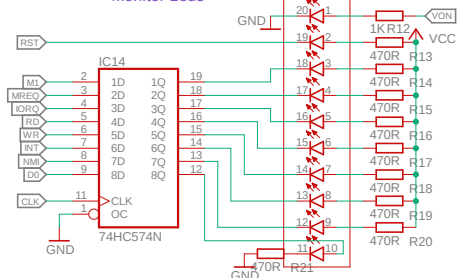
### Bank Switching Control



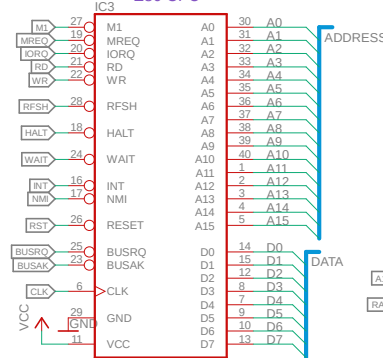
### Dec. Capacitors



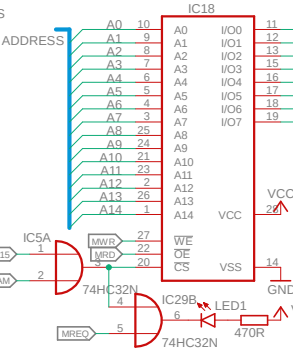
### Monitor Leds



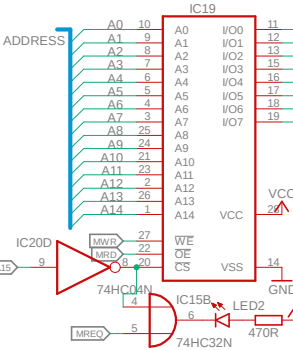
### Z80 CPU



### LO RAM 32KB

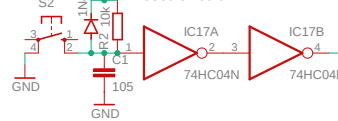


### HI RAM 32KB

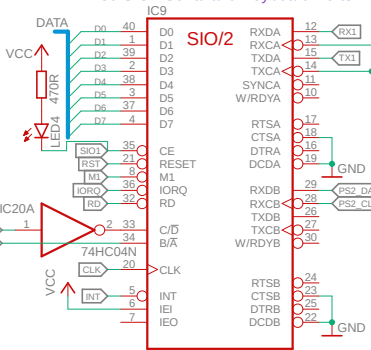


- Input and Output Map**
- Sig A - Serial Port Control 80h Data 81h
  - Sig B - PS2 Keyboard Control 82h Data 83h
  - Ram/Rom Select 38h
  - TMS9918 Graphics card 80h - Coleco Vision
  - Compact Flash Card 10h
  - IDE Hard Drive 90h
  - PIO A - 8 bits Port Control 50h Data 51h
  - PIO B - 8 bits Port Control 52h Data 53h
  - Led Bar 00h
  - Controller Input Play 1 E0h Play 2 E1h
  - Stereo Sound Generator Left F0h Right F1h

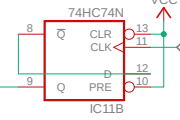
### Reset Circuit



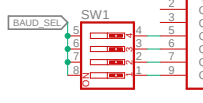
### Z80 SIO - Serial and Keyboard Ports



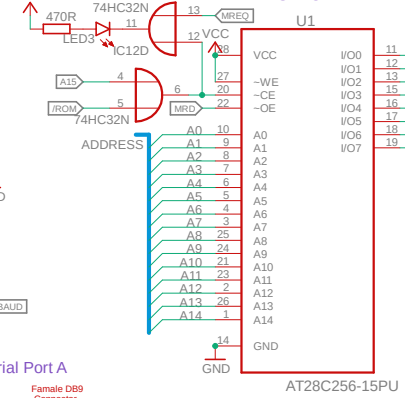
### Baud /2



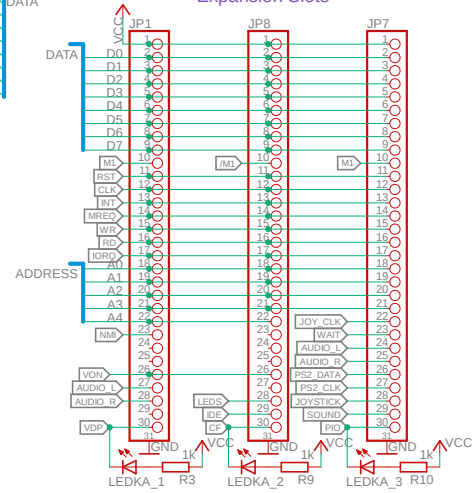
### Baud Selector



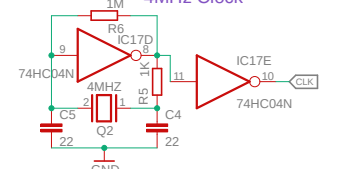
### ROM 32KB



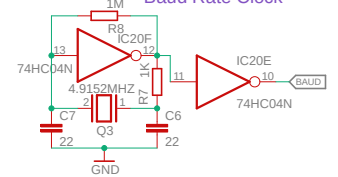
### Expansion Slots



### 4MHz Clock



### Baud Rate Clock



4.9152 Divided by 2 and by 64 will give a 38400 Baud

Pay attention here! Check if the RS232 Module you are using need a 5v supply or if it get 5v from the RS232 connector. Do not wire it to the board 5v if it already have power supply. It can damage your computer or/and the board when improperly used!!!

### Serial Port A

