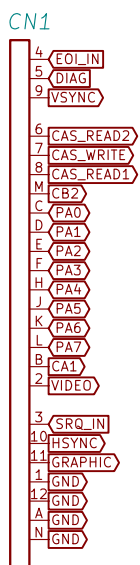
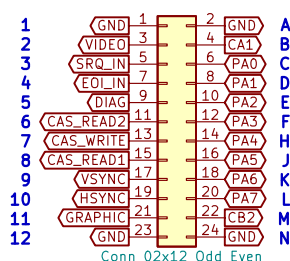


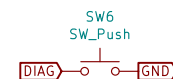
USER PORT



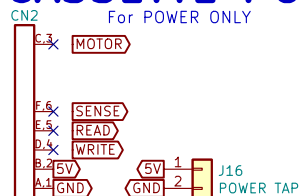
USER PORT PASS-THRU



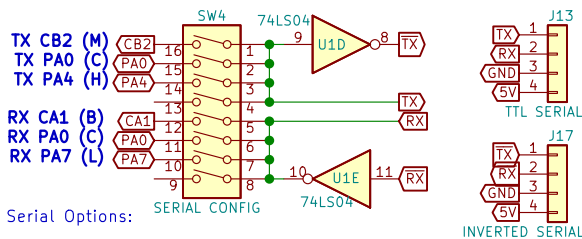
DIAGNOSTIC LINE



CASSETTE PORT



SERIAL PORT



TERMINAL	TX	RX
Transactor Terminal	/L	/B+C
McTerm	/C	/B+L
McTerm Invert Opt	C	B+L
PETTERM	M	B+C

References:

<http://biosrhythm.com/?p=1359>

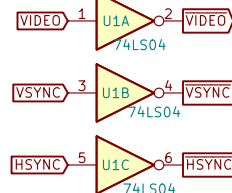
<http://pages.cpsc.ucalgary.ca/~tilda/hkroepfl/projects/petterm/index.html>

<https://archive.org/details/transactor-magazines-v3-i06/page/n49/mode/2up>

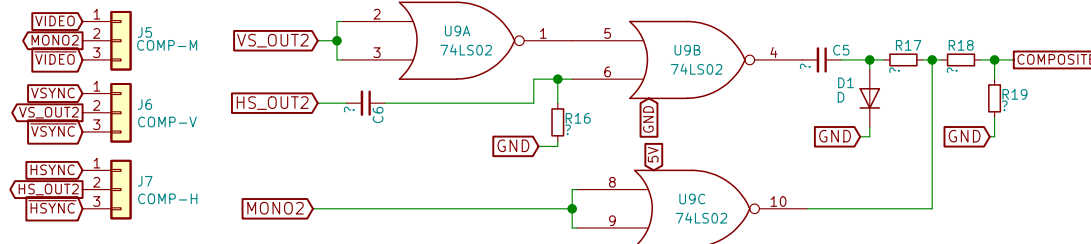
FEATURES:

- User Port Pass-thru
- PET Internal Monitor Header
- Composite Video (Monochrome)
- RGBI Digital Video
- VGA Analog Video (No Scaling)
- CB2 Sound
- Resistor Ladder 8-BIT DAC
- Diagnostics Switch
- Power Tap
- Single or Dual Joystick Ports (Configurable)
- Configurable RS-232 TTL lines
- RS-232 TTL-Level Headers (Normal and Inverted data)

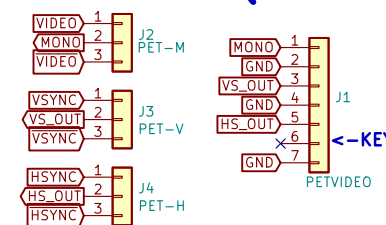
VIDEO POLARITY



COMPOSITE



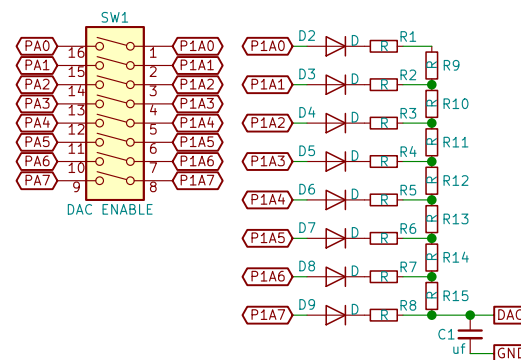
PET VIDEO (Header)



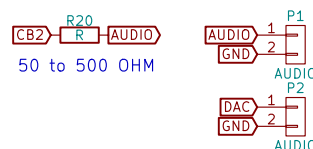
COMPOSITE VIDEO (Header)



AUDIO DAC



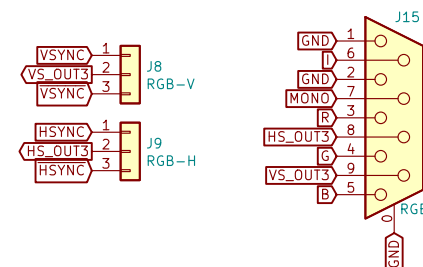
AUDIO (Header)



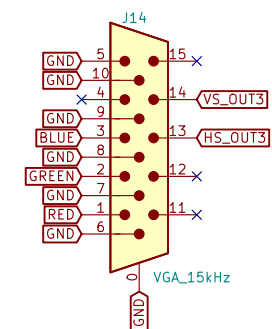
A/V JACK



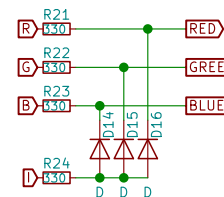
RGBI DIGITAL VIDEO (DB9)



VGA 15kHz ANALOG VIDEO (DB15)



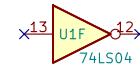
RGB DAC



BYPASS CAPS



SPARES



PET/CBM User Port Multi-Function V1.1

Steve J. Gray

Sheet: /
File: PET-UserPort.sch

Title: PET/CBM USER-PORT MULTI-ADAPTER

Size: A3 Date: 2020-08-09
KiCad E.D.A. kicad (5.1.5)-3

Rev: V1.1
Id: 1/1