Sheet: VeraModule **VERA FPGA**

File: vera-fpga.sch

Sheet: BusDecoder

BUS DECODER

File: busdecoder.sch

Sheet: Vera FPGA flash

VERA SPI FLASH SD CARD INTERFACE

File: vera-fpga-flash.sch

Sheet: CartridgeInterface

CARTRIDGE INTERFACE

File: cartridgeInterface.sch

Sheet: PowerSupply

POWER SUPPLY

File: powersupply.sch

FIDUCIAL TOP



FIDUCIAL BOTTOM



L0G01 LOGO2

ATARI READY

LOGO3 LOGO4

ATARI DUO BUS

LOG05 VERA X16 LOGO KICAD DESIGN ESP32_BOBOARD

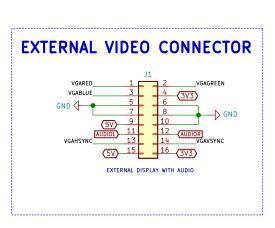
> Gianluca Renzi RetroBit Lab

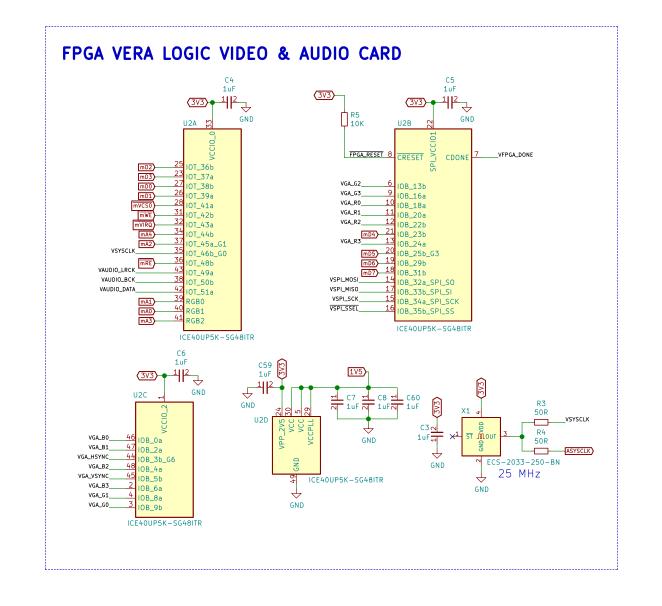
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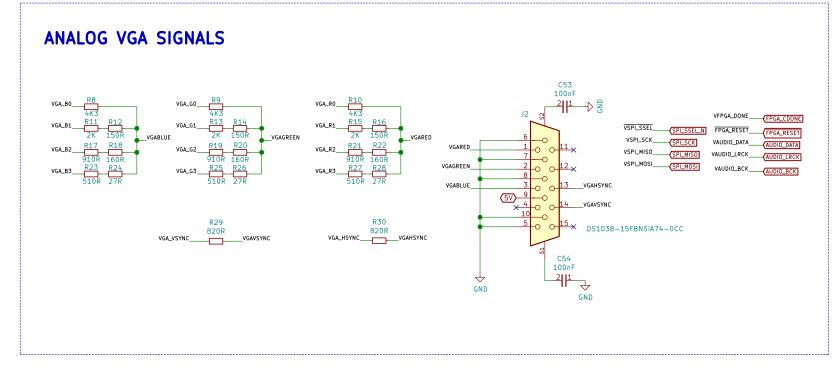
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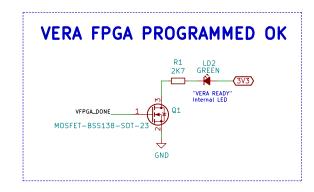
Title: VERA FPGA Audio & Video Board

Size: A4 Date: 2025-09-10 Rev: 1.0 KiCad E.D.A. kicad 5.1.9+dfsq1-1+deb11u1 ld: 1/6

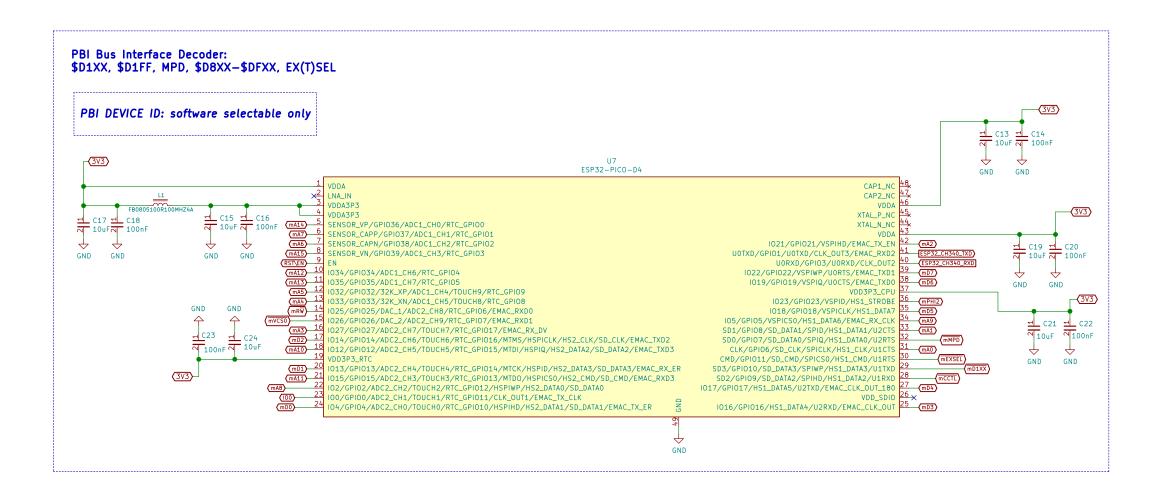


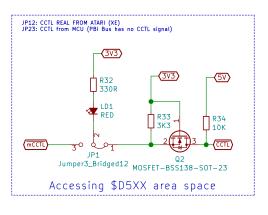


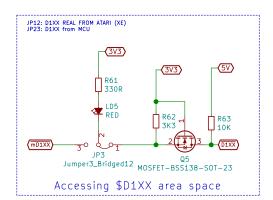




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Sheet: /VeraModule/	
File: vera-fpga.sch	
Title: VERA MODULE AND EXTERNAL VIDEO CONNECTOR	
Size: A3 Date: 2025-09-10	Rev: 1.0
KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1	ld: 2/6

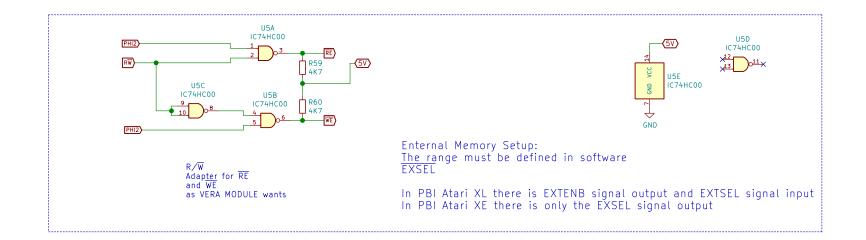


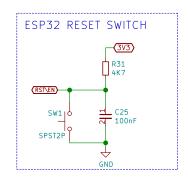




mVCSO active & A15..A0 \$D8XX-\$DFXX -> MPD active (Internal 2K ROM)

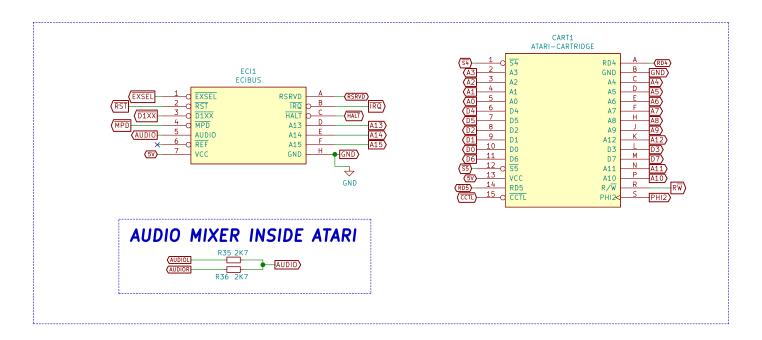
\$D1FF access & DATABUS = PBI DEVICE ID -> mVCSO active/deactive



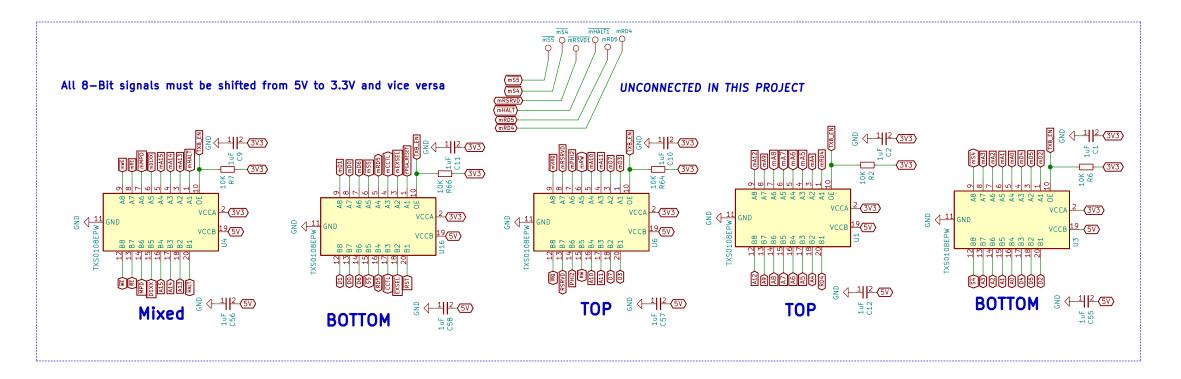


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RetroBit Lab				
Sheet: /BusDecoder/				
File: busdecode	ile: busdecoder.sch			
Title: BUS [itle: BUS DECODER			
Size: A3	Date: 2025-09-10	Rev: 1.0		
KiCad E.D.A. ki	cad 5.1.9+dfsg1-1+deb11u1	ld: 3/6		
	7	8		

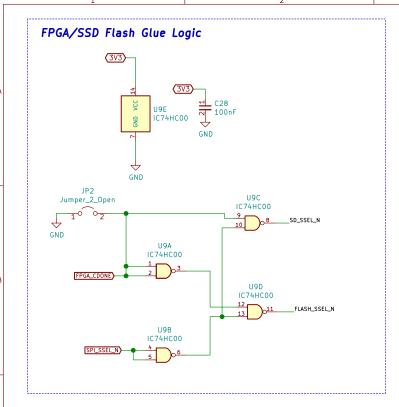
ATARI 130XE ECI & CARTRIDGE INTERFACE

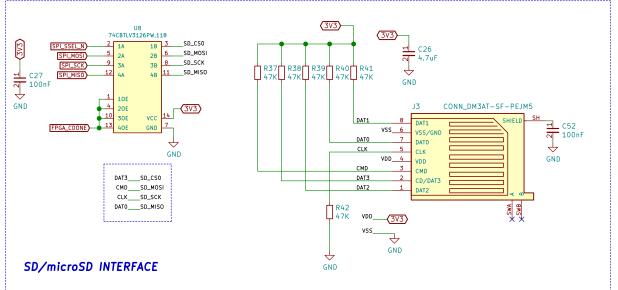


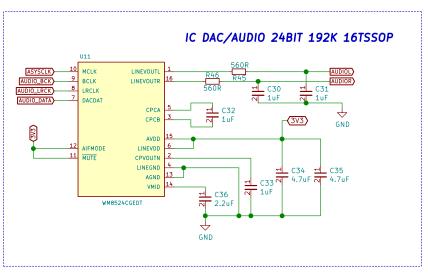
BUS LOGIC LEVEL SHIFTERS

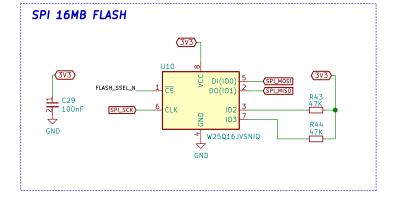


Clarker Page	
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Sheet: /CartridgeInterface/	
File: cartridgeInterface.sch	
Title: CARTRIDGE INTEFACE AND BUS LEVEL SHIFTERS	5
Size: A3 Date: 2025-09-10	Rev: 1.0
KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1	ld: 4/6
7	8







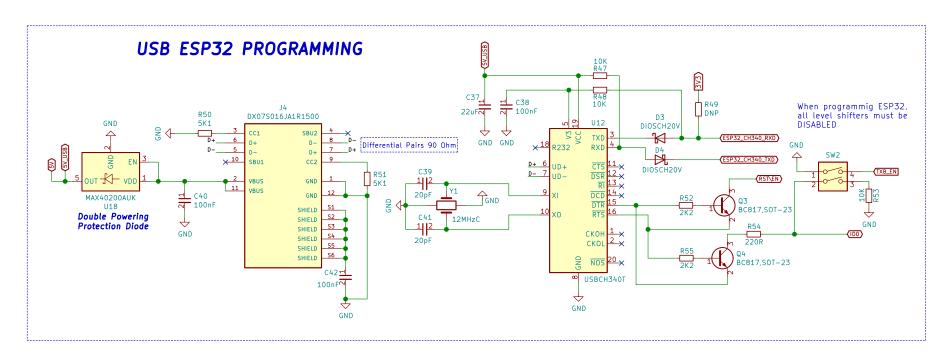


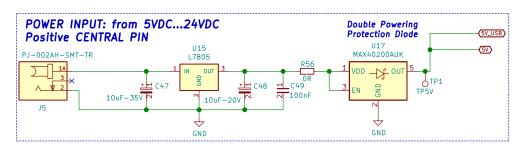
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Sheet: //era FPGA flash/
File: vera-fpga-flash.sch

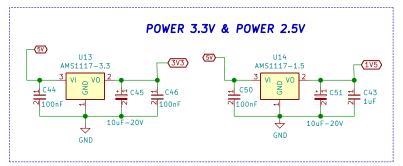
 Title: uSD Card and FLASH for FPGA

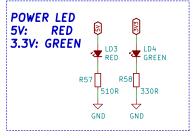
 Size: A4
 Date: 2025-09-10
 Rev: 1.0

 KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1
 Id: 5/6









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Sheet: /PowerSupply/ File: powersupply.sch

Title: POWERSUPPLY and USB

 Size: A4
 Date: 2025-09-10
 Rev: 1.0

 KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1
 Id: 6/6