Sheet: VeraModule **VERA FPGA** 

Sheet: BusDecoder

## **BUS DECODER**

File: busdecoder.sch

Sheet: Vera FPGA flash

## **VERA SPI FLASH** SD CARD INTERFACE

File: vera-fpga.sch

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 LOG05 VERA X16 LOGO KICAD DESIGN ESP32\_BOBOARD LOGO4

ATARI DUO BUS

Gianluca Renzi

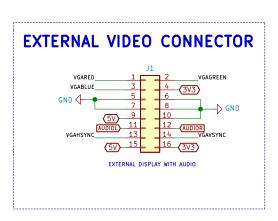
RetroBit Lab

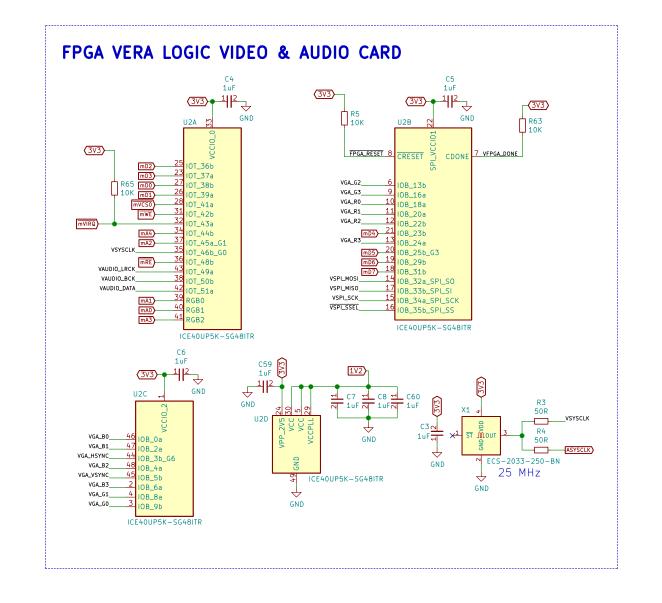
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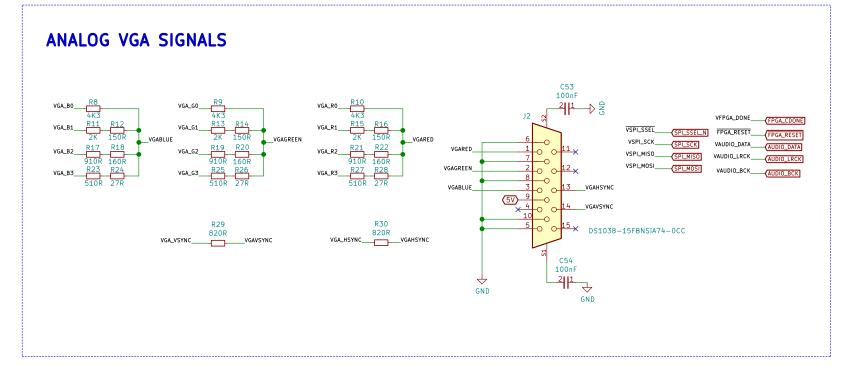
File: VERA-MODULE-RBL.sch

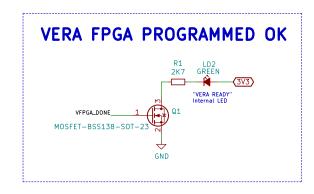
Title: VERA FPGA Audio & Video Board

Size: A4 Date: 2025-09-17 Rev: 1.0 KiCad E.D.A. kicad 5.1.9+dfsq1-1+deb11u1 ld: 1/6

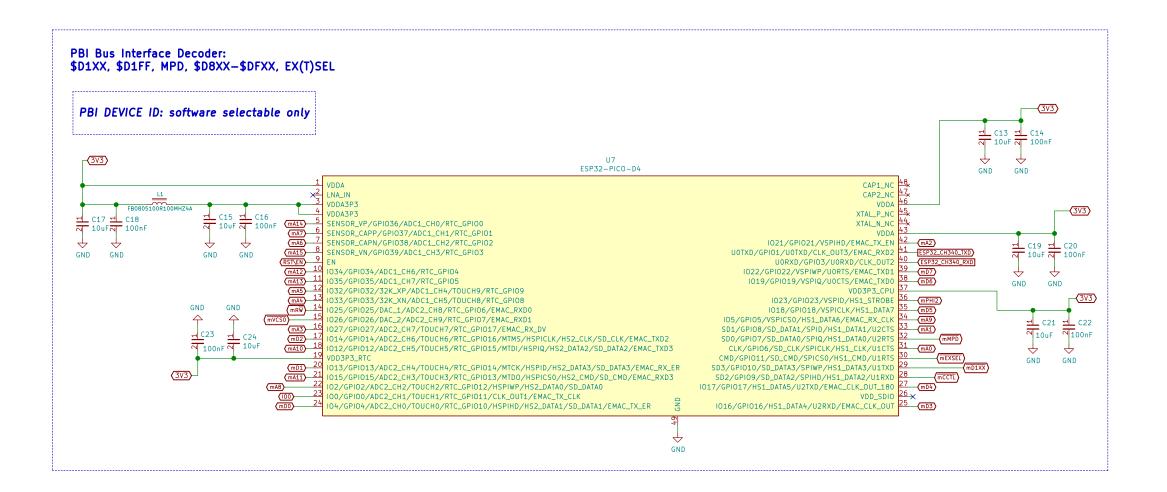






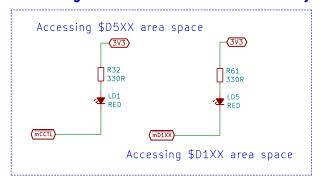


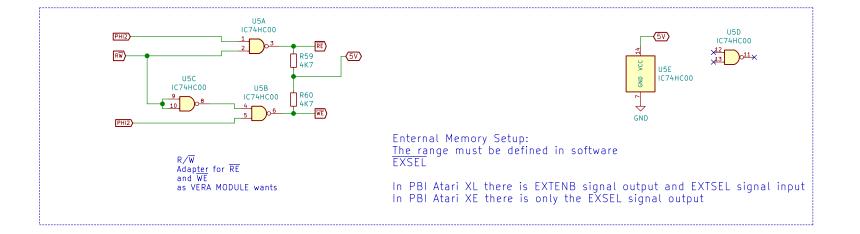
Gianluca Renzi	
RetroBit Lab	
Sheet: /VeraModule/	
File: vera-fpga.sch	
Title: VERA MODULE AND EXTERNAL VIDEO CONNECTOR	?
Size: A3 Date: 2025-09-17	Rev: 1.0
KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1	ld: 2/6

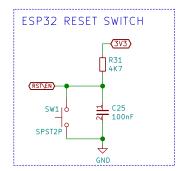


mVCSO active & A15..A0 \$D8XX-\$DFXX -> MPD active (Internal 2K ROM) \$D1FF access & DATABUS = PBI DEVICE ID -> mVCSO active/deactive

#### Those signals are valid in ATARI XE only

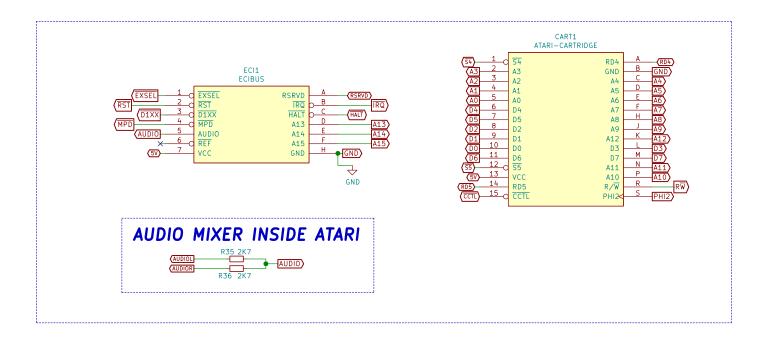




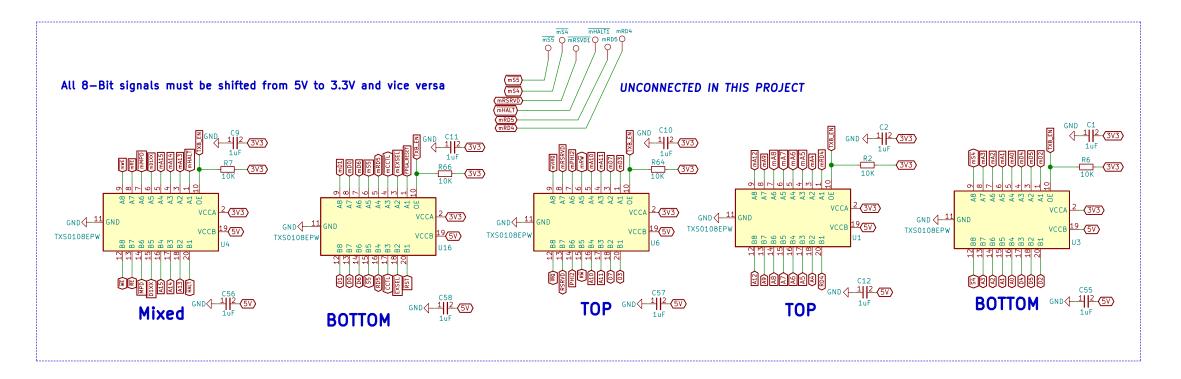


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RetroBi	t Lab					
Sheet:	Sheet: /BusDecoder/					
File: bu	ısdecoder	.sch				
Title:	BUS D	ECODER				
Size: A	3	Date: 2025-09-17		Rev: 1.0		
KiCad I	E.D.A. kid	ad 5.1.9+dfsg1-1+deb11u1		ld: 3/6		
		7		8		

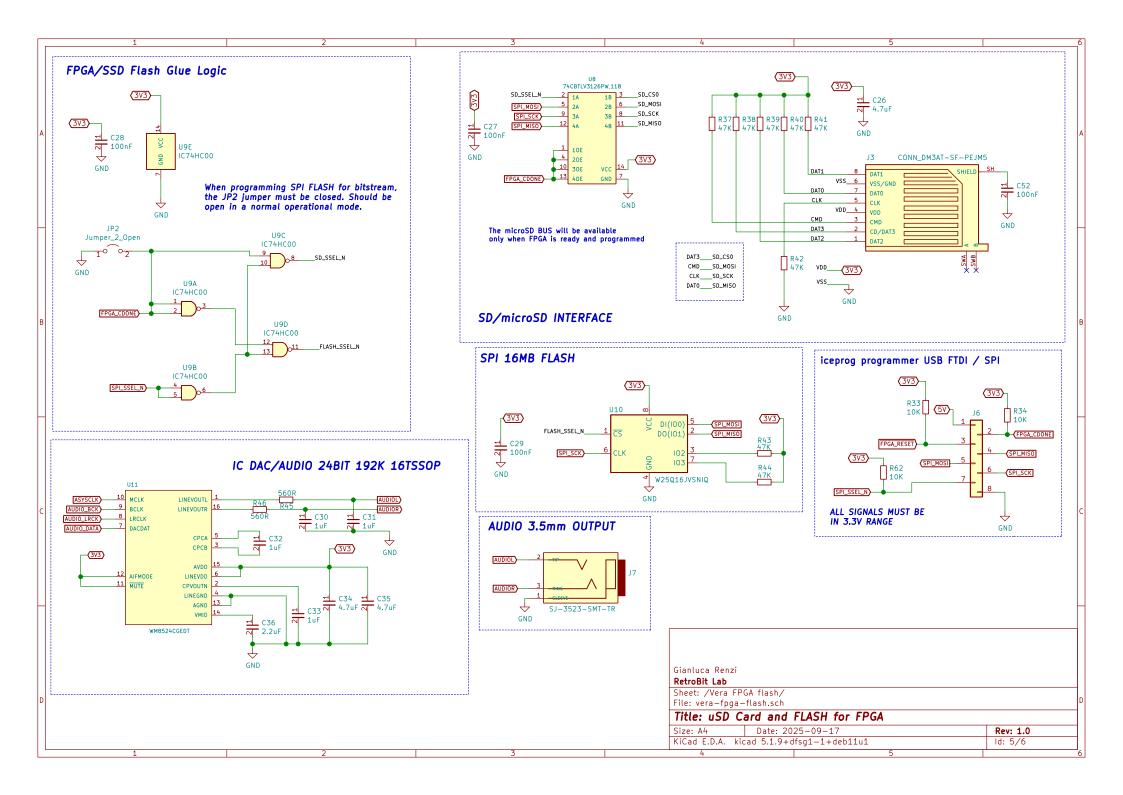
# ATARI 130XE ECI & CARTRIDGE INTERFACE

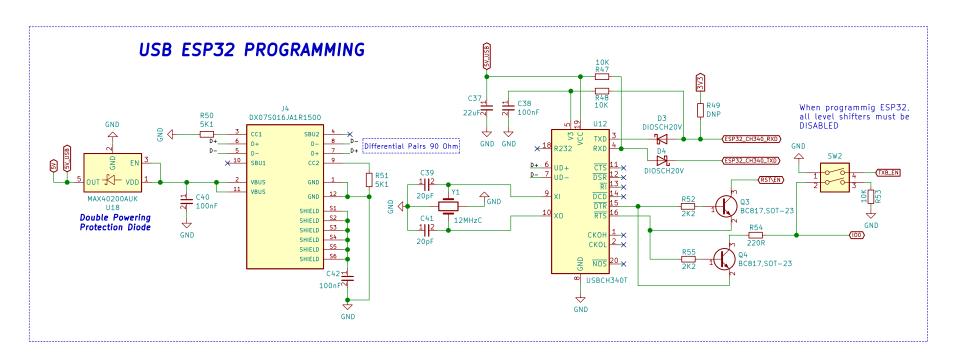


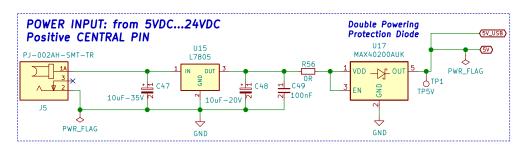
# **BUS LOGIC LEVEL SHIFTERS**

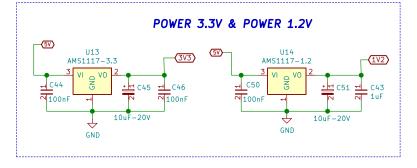


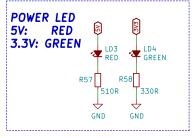
Gianluca Renzi	
RetroBit Lab	
Sheet: /CartridgeInterface/	
File: cartridgeInterface.sch	
Title: CARTRIDGE INTEFACE AND BUS LEVEL SHIFTERS	
Size: A3 Date: 2025-09-17	Rev: 1.0
KiCad E.D.A. kicad 5.1.9+dfsg1-1+deb11u1	ld: 4/6
7	8











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Sheet: /PowerSupply/ File: powersupply.sch

Title: POWERSUPPLY and USB

 Size: A4
 Date: 2025-09-17
 Rev: 1.0

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

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