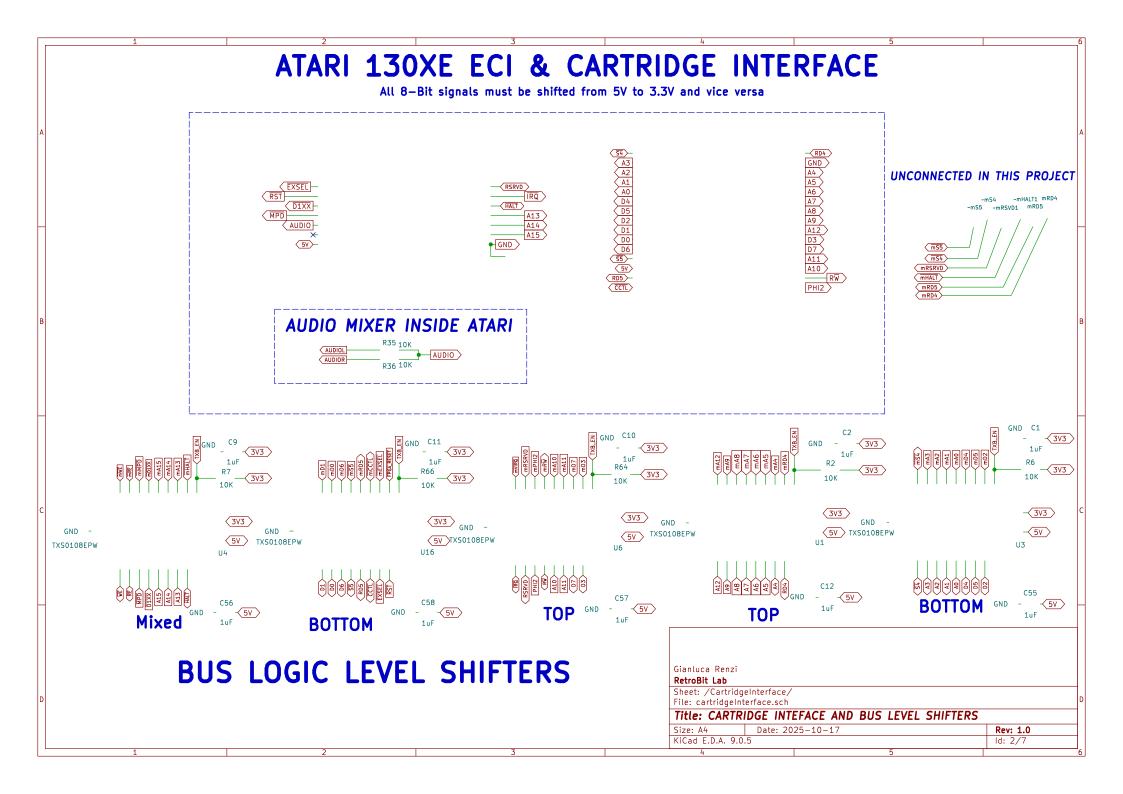
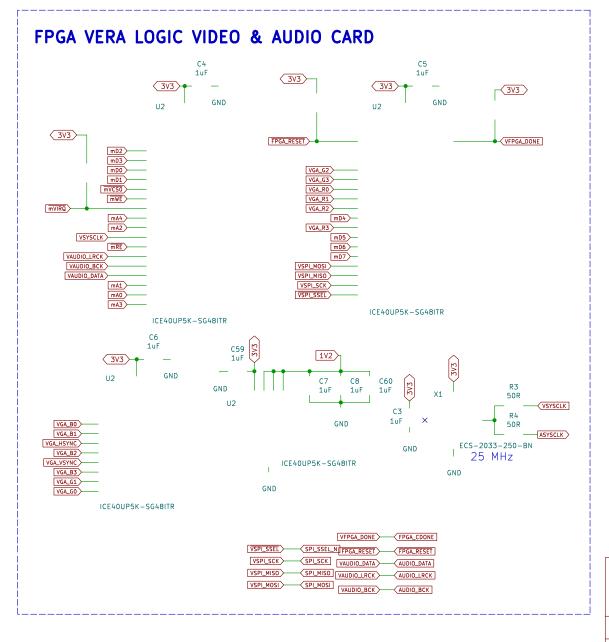
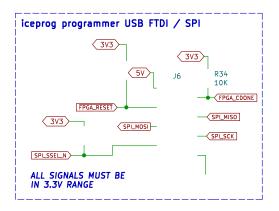
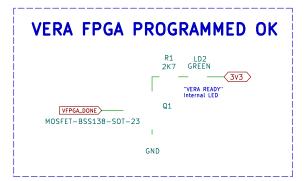
Vera FPGA flash BusDecoder VeraModule **VERA SPI FLASH BUS DECODER VERA FPGA** SD CARD INTERFACE File: vera-fpga.sch File: busdecoder.sch File: vera-fpga-flash.sch CartridgeInterface PowerSupply **POWER SUPPLY** CARTRIDGE INTERFACE **VGA ANALOG** File: powersupply.sch File: cartridgeInterface.sch File: vga-analog.sch FIDUCIAL TOP FIDUCIAL BOTTOM LOG01 LOG03 LOG05 VERA X16 LOGO KICAD DESIGN ESP32 BOBOARD LBL1 FID3 FID4 Fiducial Fiducial Fiducial Fiducial LOG02 LOGO4 ATARI READY ATARI DUO BUS Gianluca Renzi RetroBit Lab Sheet: / File: VERA-MODULE-RBL.sch Title: VERA FPGA Audio & Video Board Size: A4 Date: 2025-10-17 Rev: 1.0 KiCad E.D.A. 9.0.5 ld: 1/7





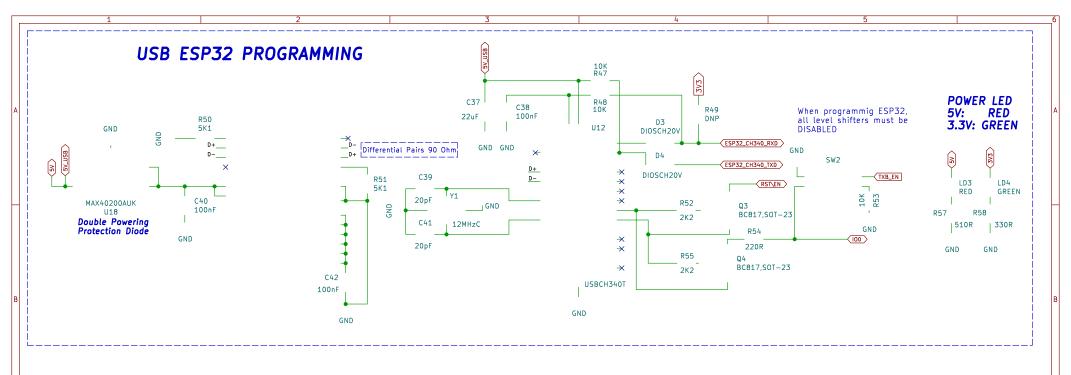


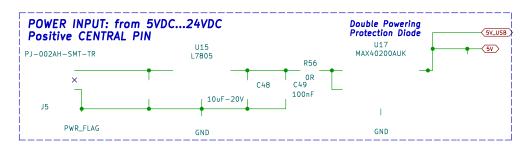


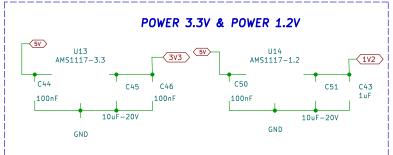


 Size: A4
 Date: 2025-10-17
 Rev: 1.0

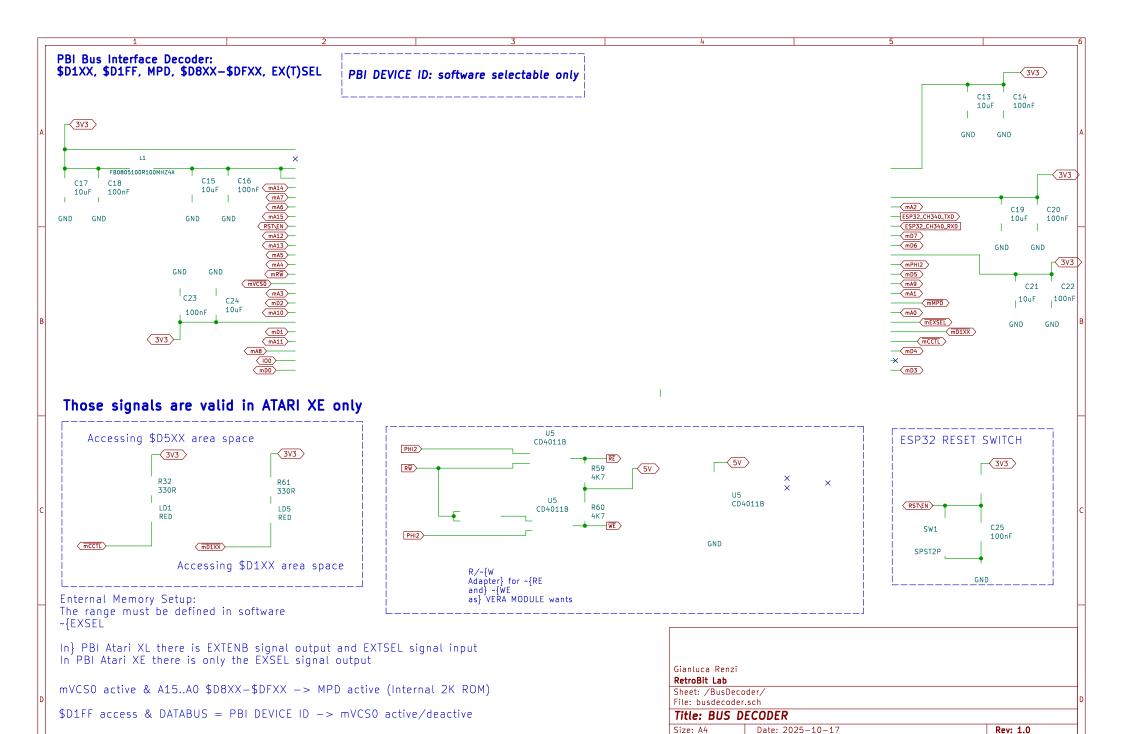
 KiCad E.D.A. 9.0.5
 Id: 3/7







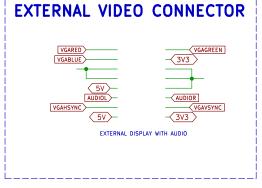
Gianluca Renz	zi			
RetroBit Lab				
Sheet: /PowerSupply/				
File: powersupply.sch				P
Title: POW	ERSUPPLY	and USB		
Size: A4	Date: 20	25-10-17	Rev: 1.0	
KiCad E.D.A. 9.0.5			ld: 4/7	
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KiCad E.D.A. 9.0.5

ld: 5/7

## **ANALOG VGA SIGNALS** 100nF R10 VGA\_B0 VGA\_G0 R11 R12 R13 R14 R15 R16 VGA\_G1 2K 150R 2K 150R 2K 150R VGABLUE R17 R18 R19 R20 R21 R22 VGARED VGA\_G2 910R 160R 910R 160R 910R 160R R25 R26 510R 27R R27 R28 510R 27R VGA\_B3 \rightarrow \frac{R23}{510R} - \frac{R24}{27R} - \frac{R24}{R24} - \frac{R24} VGAGREEN VGABLUE -VGAHSYNC -- VGAVSYNC × DS1038-15FBNSiA74-0CC VGA\_HSYNC — VGAHSYNC VGA\_VSYNC VGAVSYNC C54 100nF GND



Gianluca Renzi
RetroBit Lab
Sheet: /VGA Analog/
File: vga-analog.sch
Title: VGA ANALOG AND EXTERNAL VIDEO CONNECTOR

 Size: A4
 Date: 2025–10–17
 Rev: 1.0

 KiCad E.D.A. 9.0.5
 Id: 6/7

2

