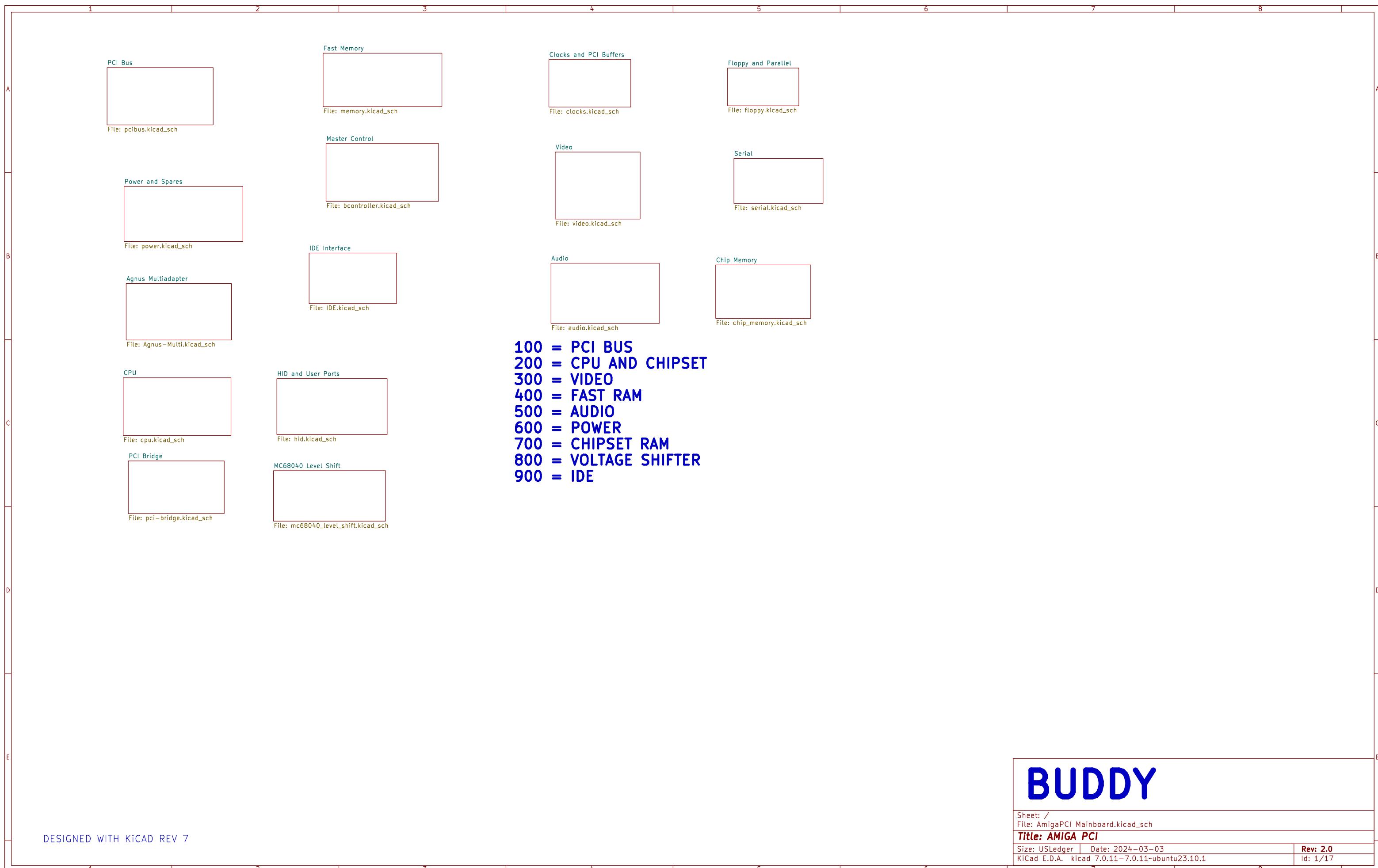


1 2 3 4 5 6 7 8



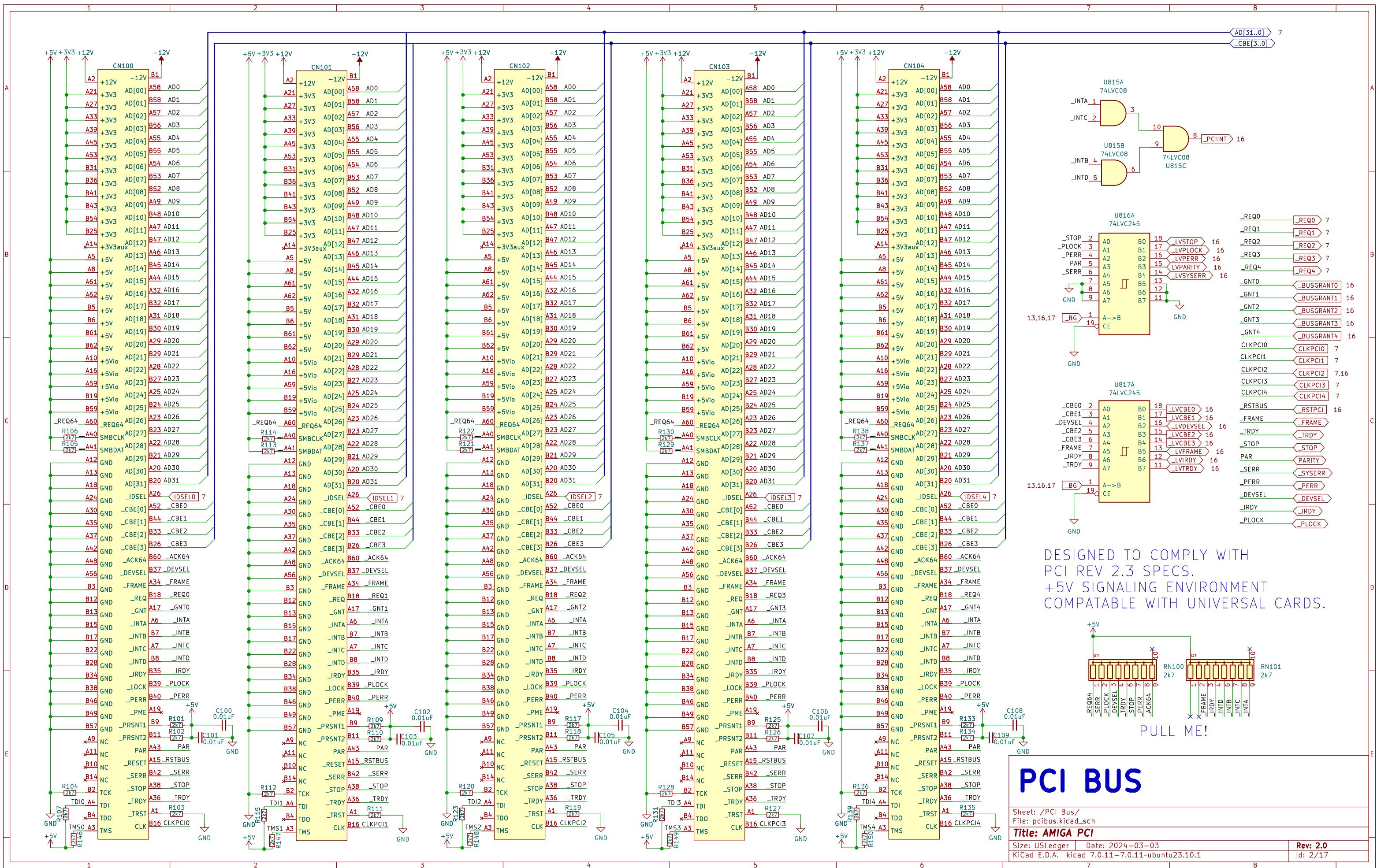
**BUDDY**

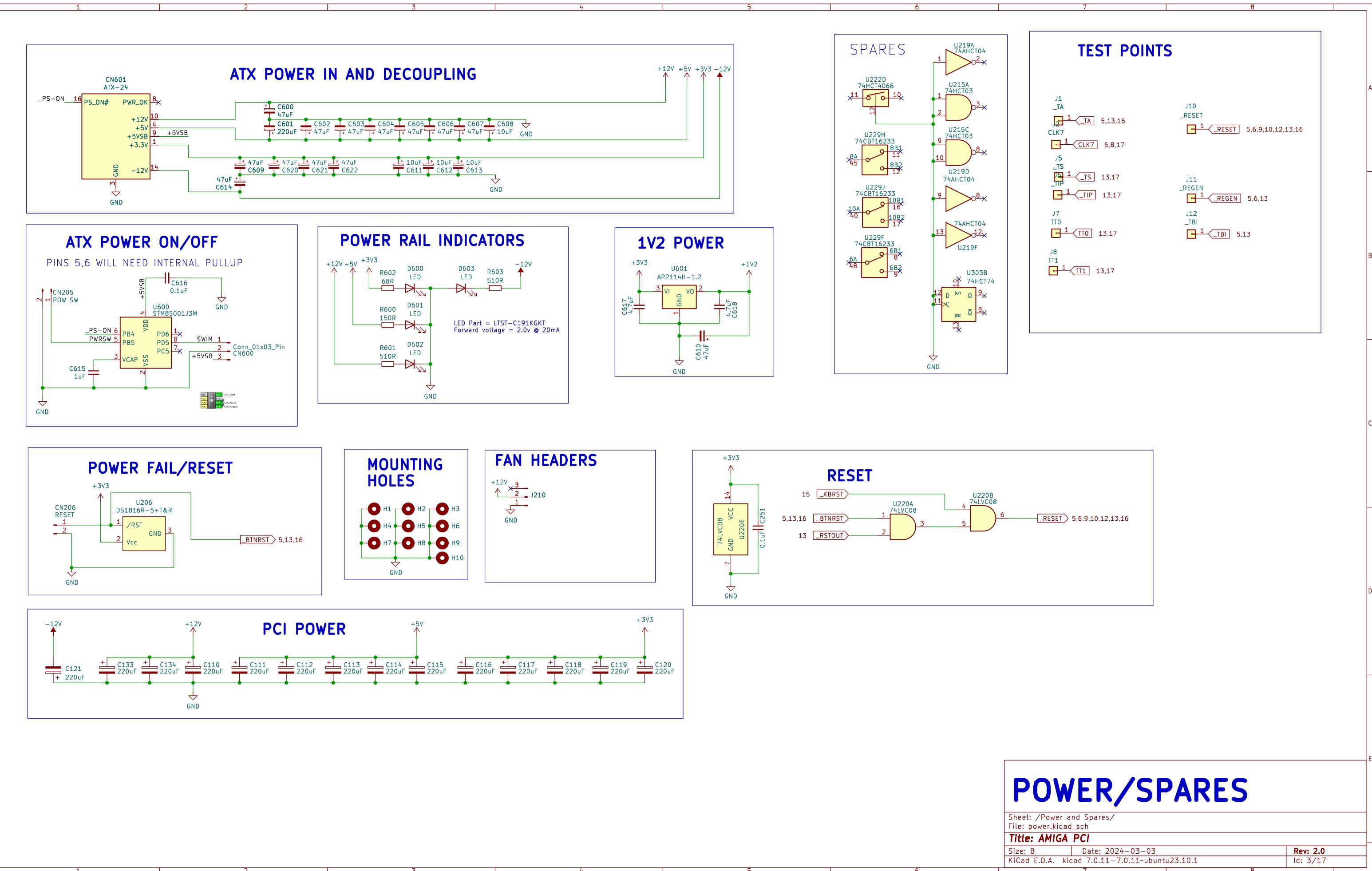
Sheet: /  
File: AmigaPCI Mainboard.kicad\_sch

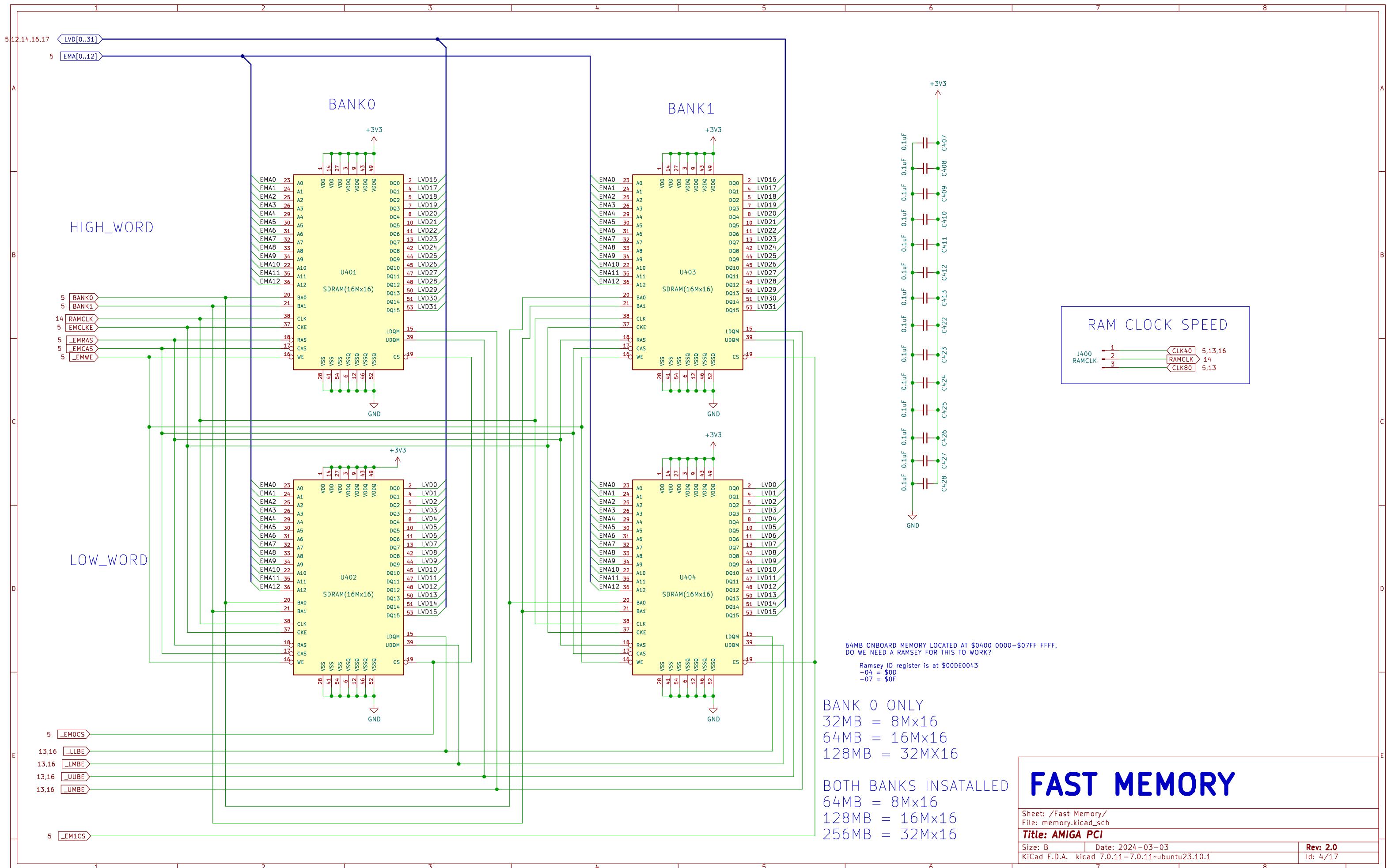
Title: AMIGA PCI

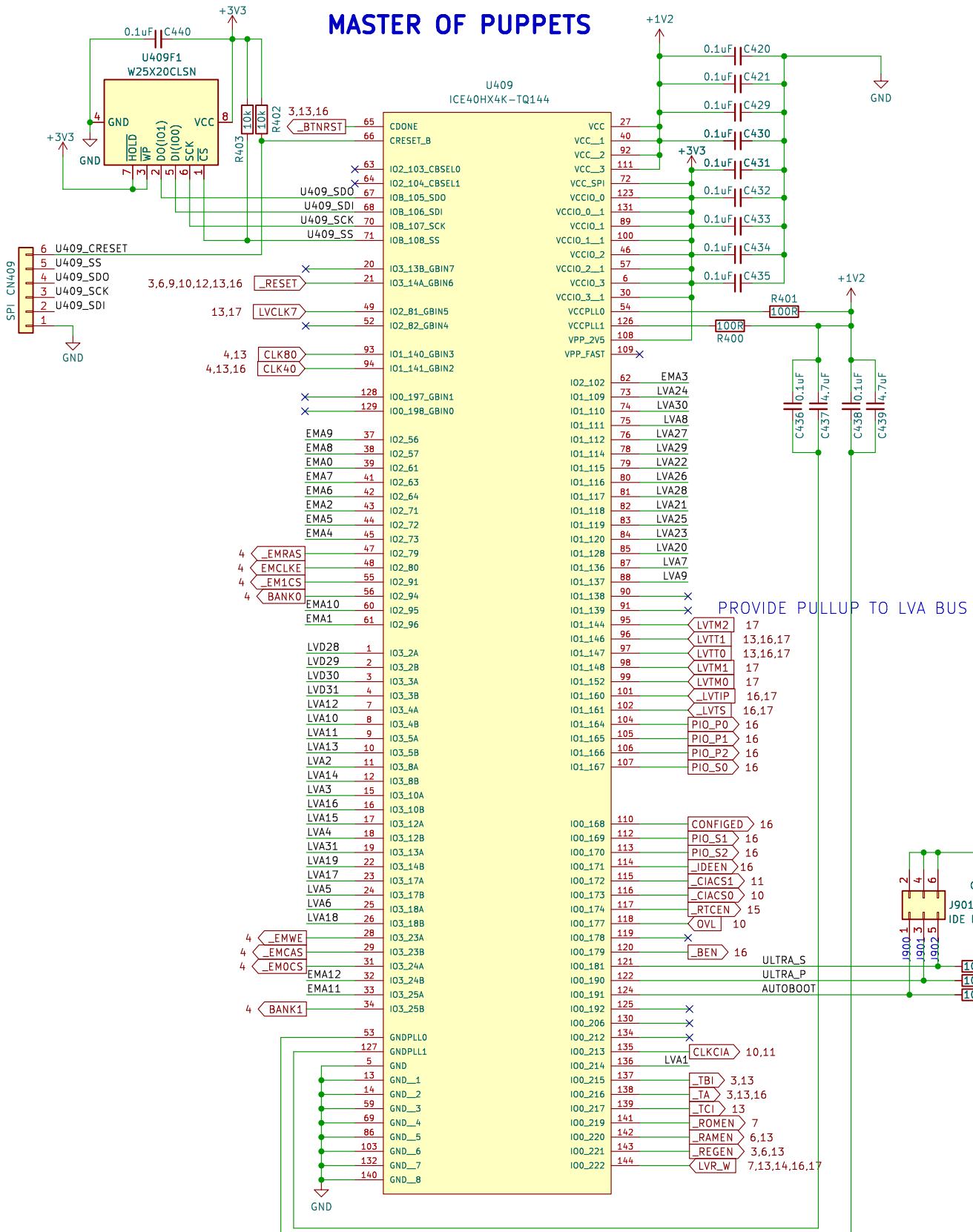
Size: USLetter Date: 2024-03-03  
KiCad E.D.A. kicad 7.0.11-7.0.11~ubuntu23.10.1

Rev: 2.0  
Id: 1/17

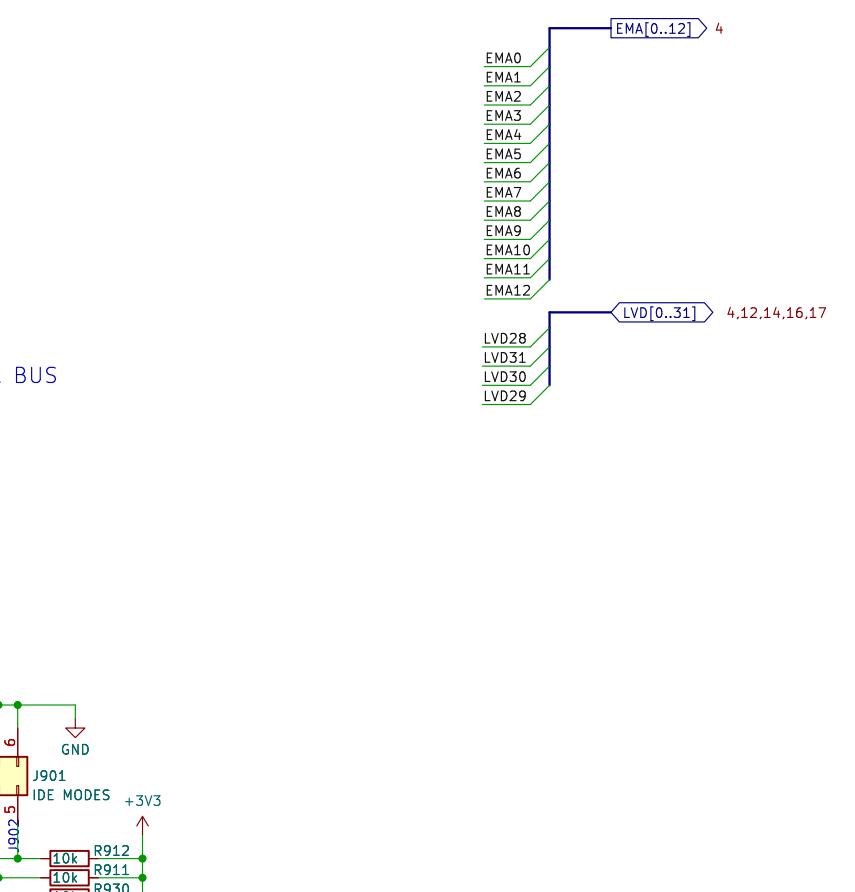








**U409 PROVIDES RAM, IDE, AND PCI BRIDGE AUTOCONFIG, ADDRESS DECODE, REPLACEMENT GARY FUNCTIONS, STARTUP AND KEYBOARD RESET, AND FAST RAM CONTROLLER.**



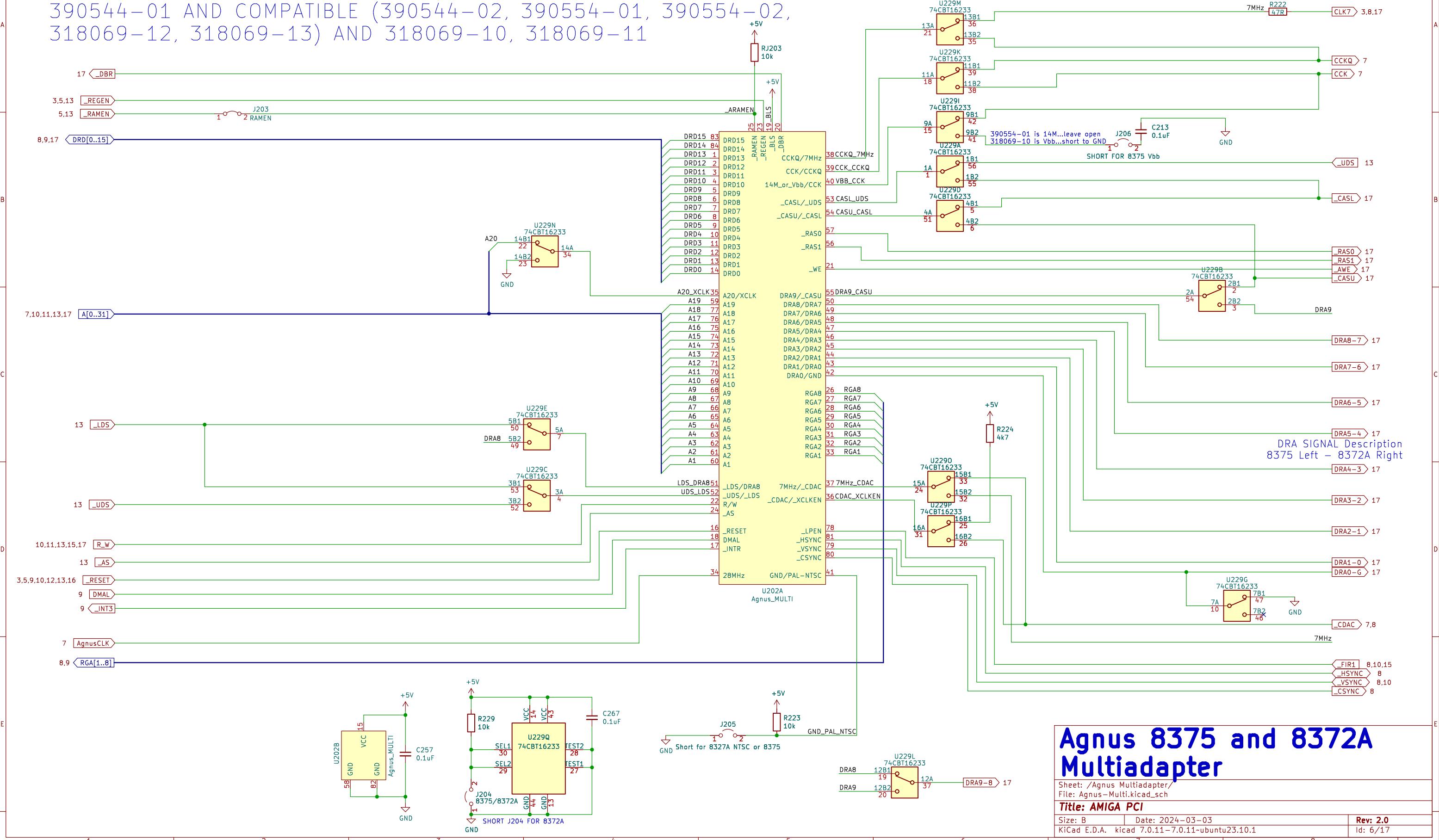
SUPPORTS 8372A (ALL PART NUMBERS)

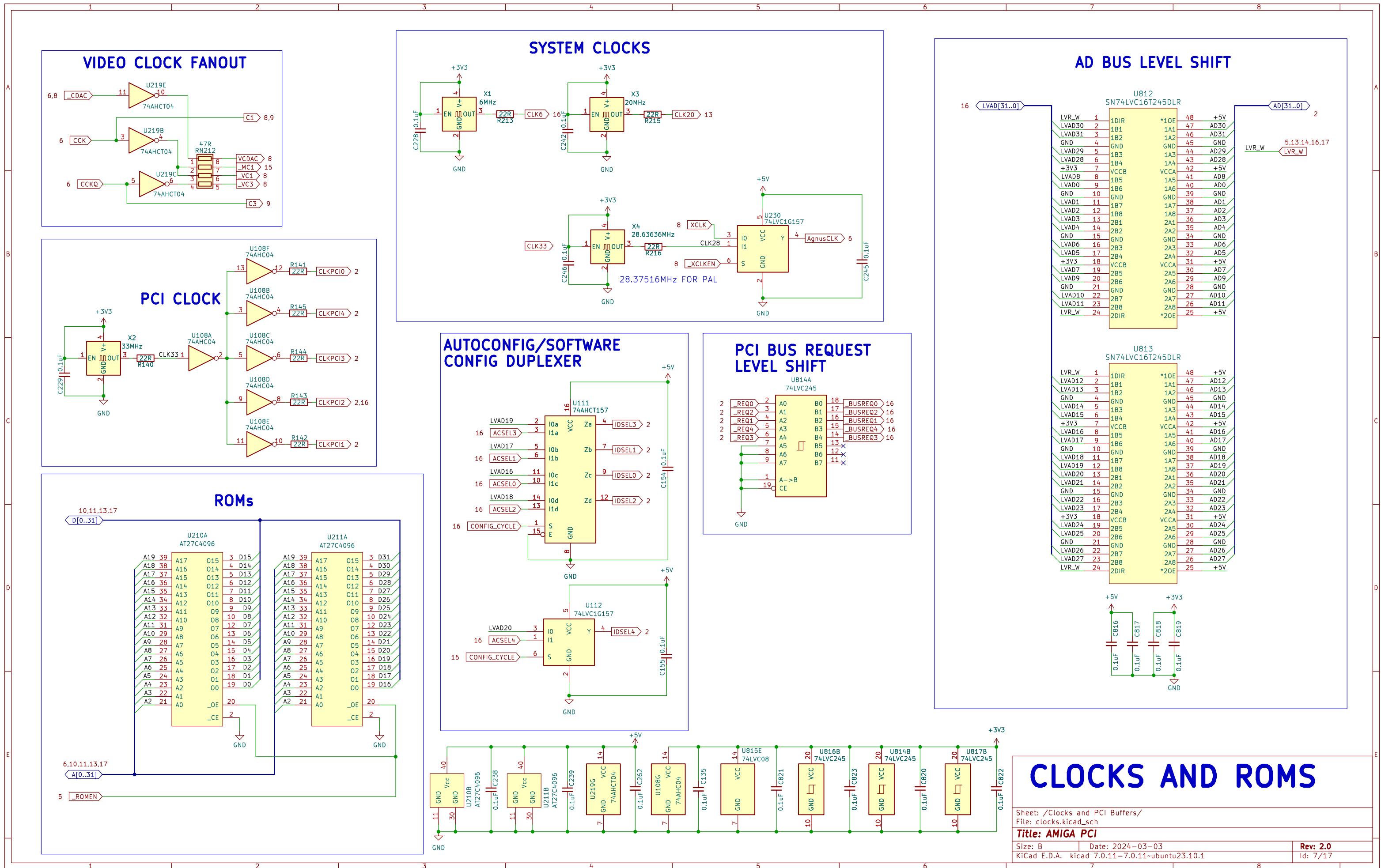
AND 8375 THE FOLLOWING PART NUMBERS:

390544-01 AND COMPATIBLE (390544-02, 390554-01, 390554-02  
+5V

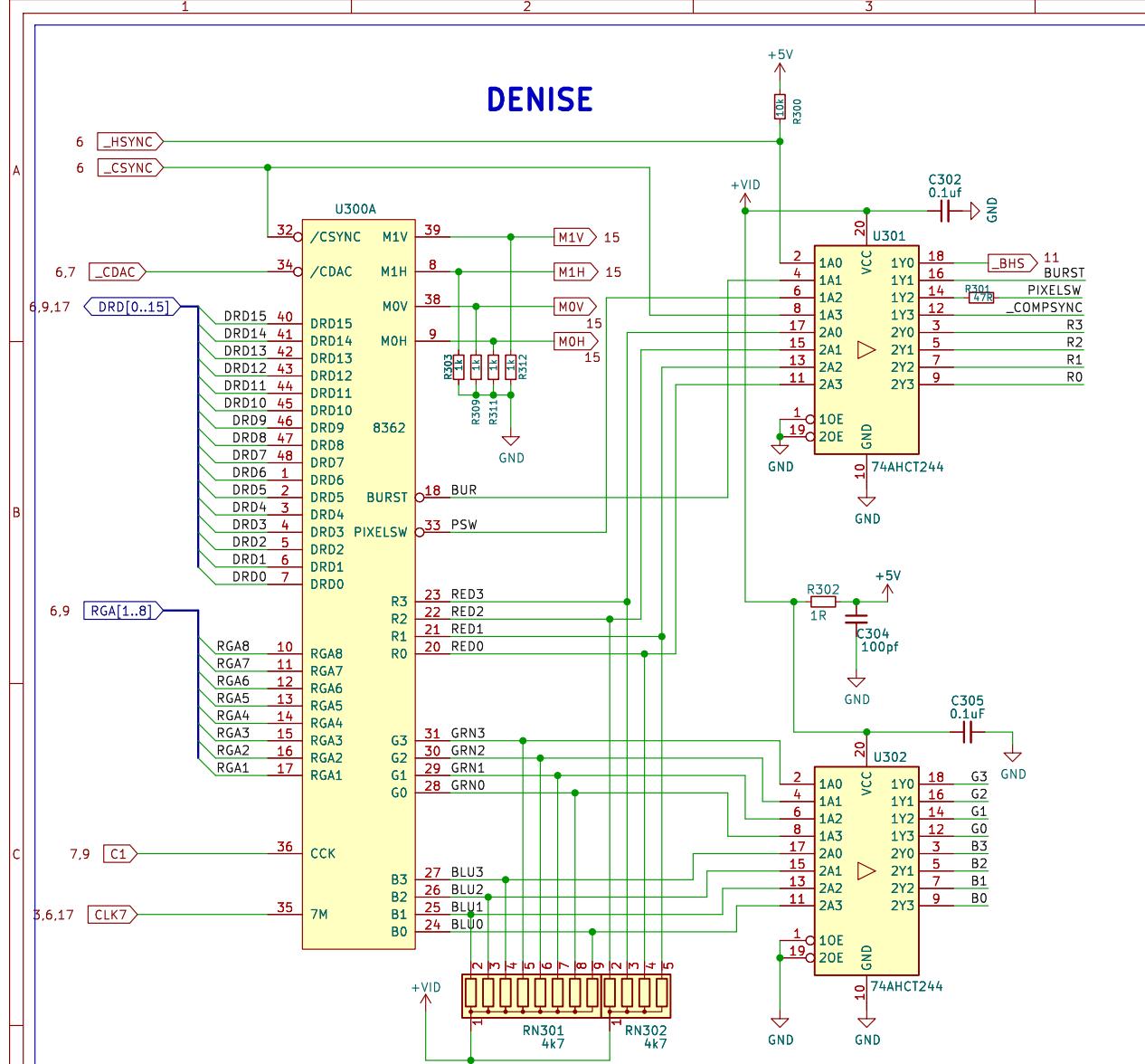
318069-12, 318069-13) AND 318069-10, 318069-11

JUMPERS MUST BE CONFIGURED BY AGNUS PART NUMBER

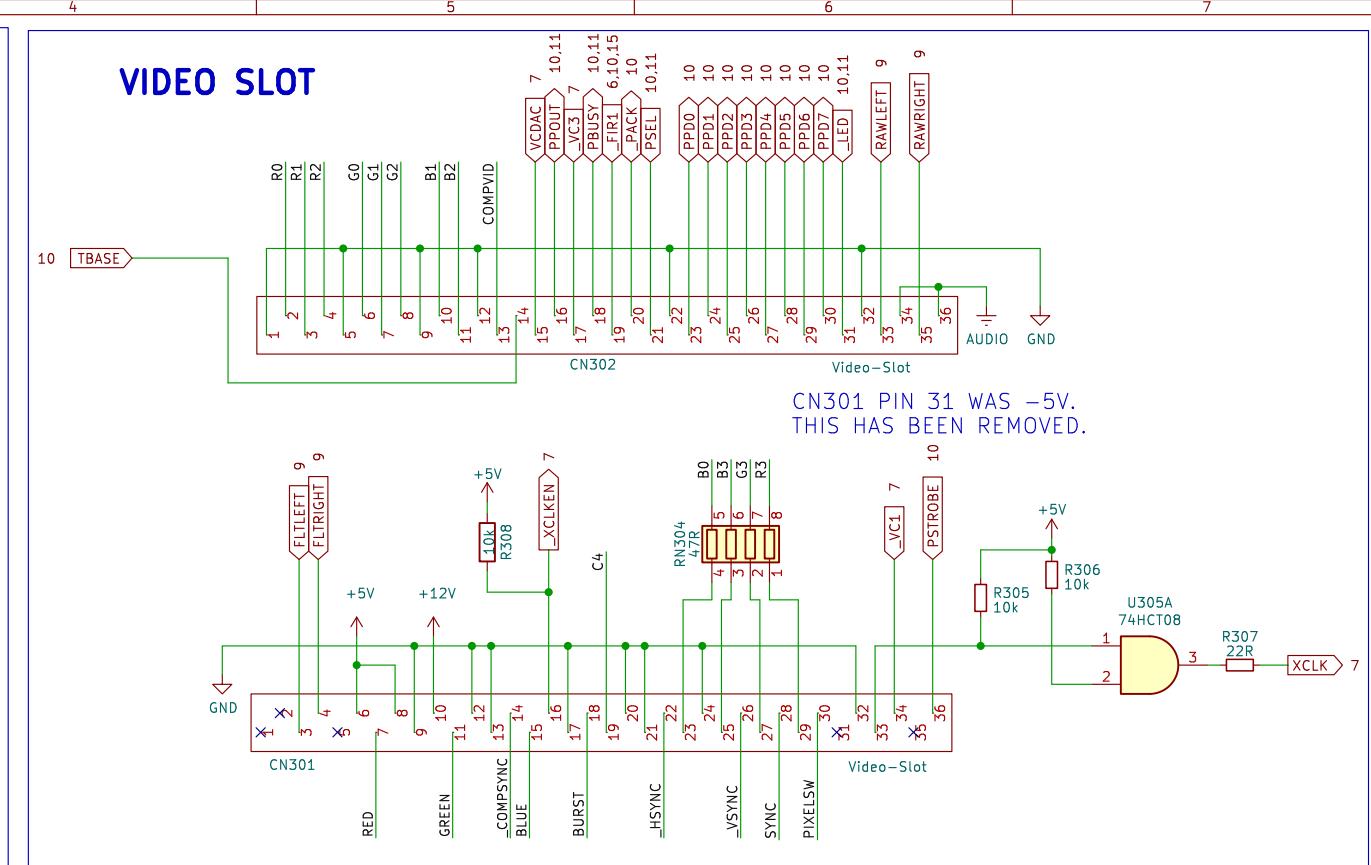




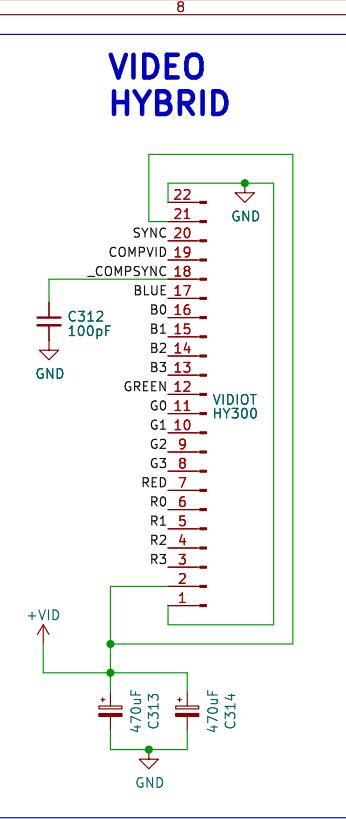
## DENISE



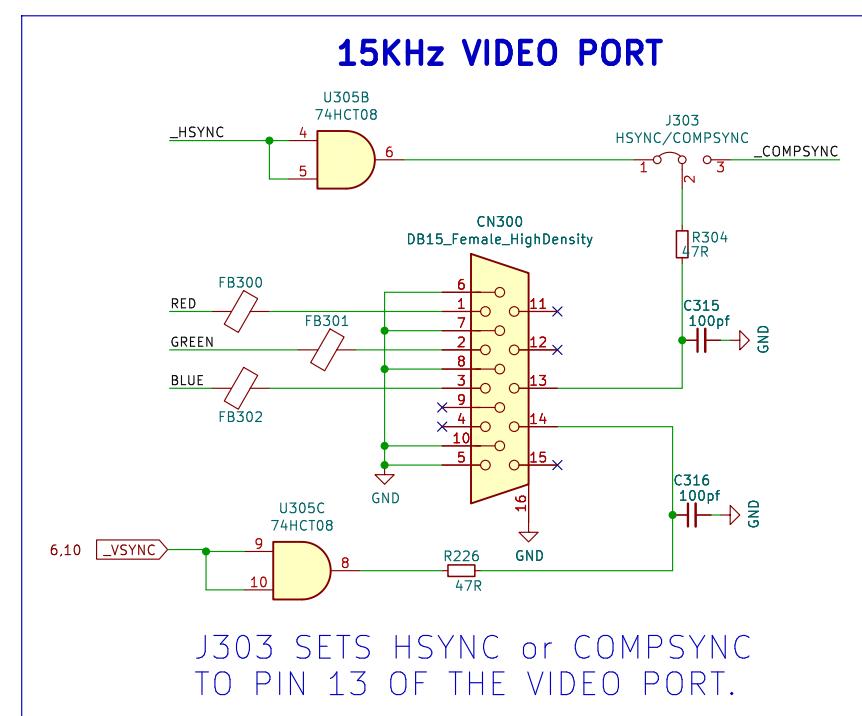
## VIDEO SLOT



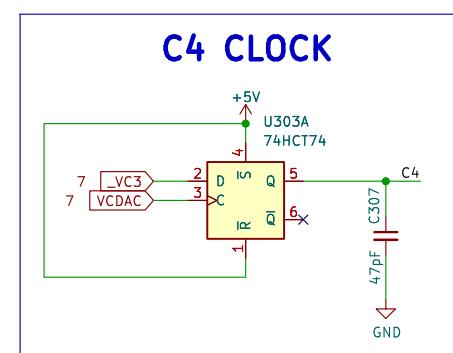
## VIDEO HYBRID



## 15KHz VIDEO PORT



## C4 CLOCK



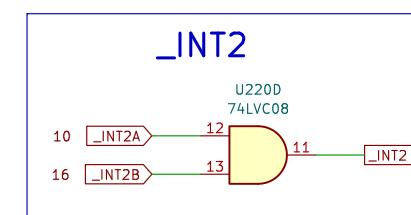
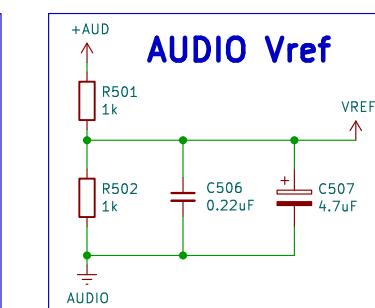
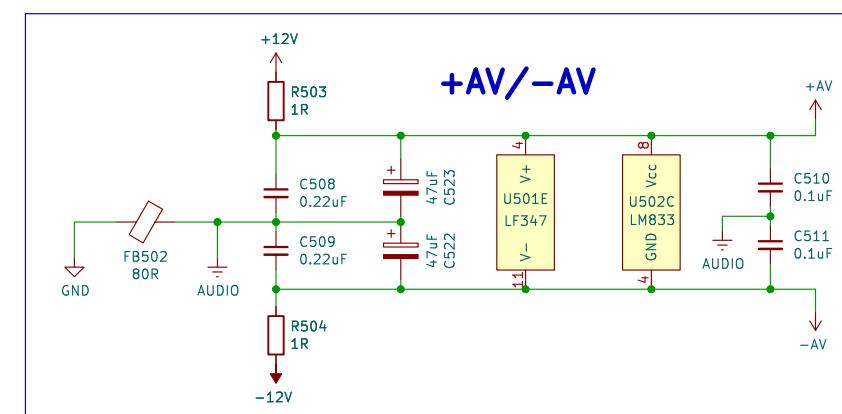
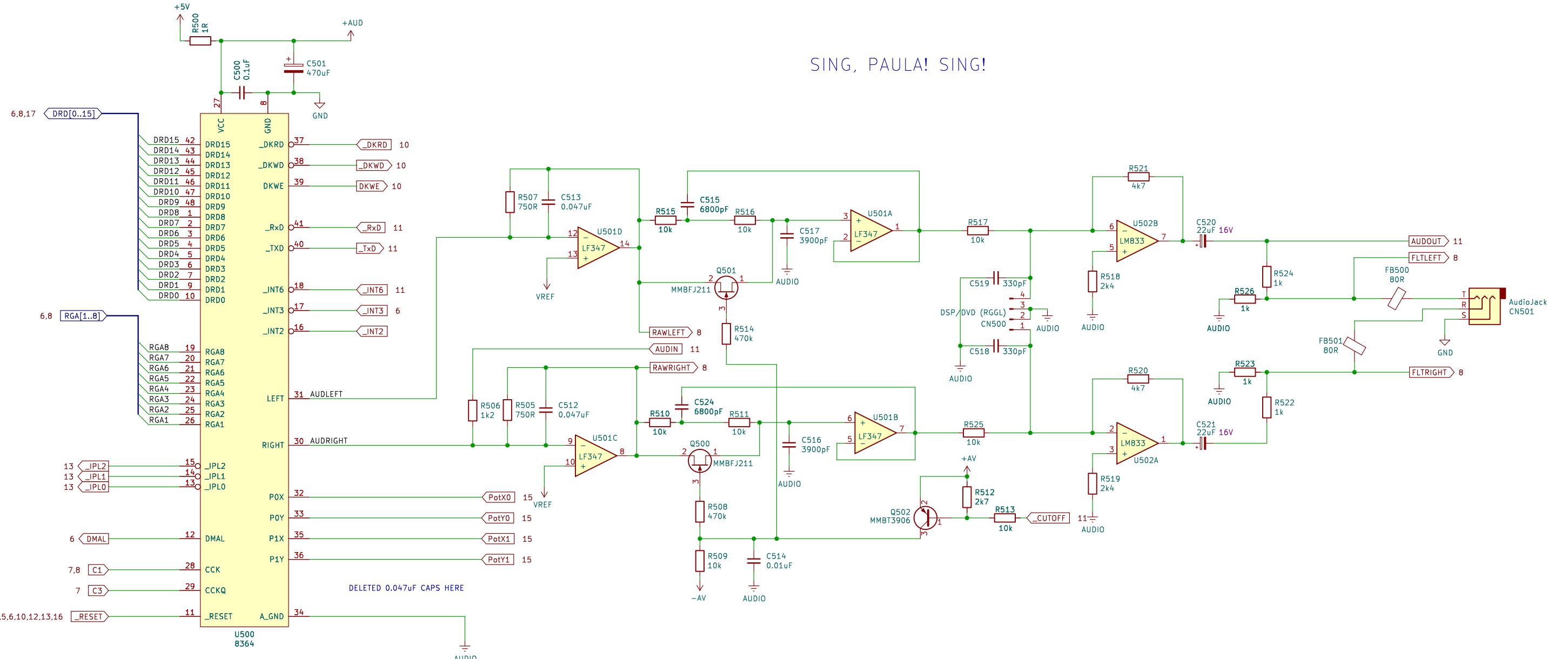
## VIDEO

Sheet: /Video/  
File: video.kicad\_sch

Title: AMIGA PCI

Size: B Date: 2024-03-03  
KiCad E.D.A. kicad 7.0.11~7.0.11~ubuntu23.10.1

Rev: 2.0  
Id: 8/17

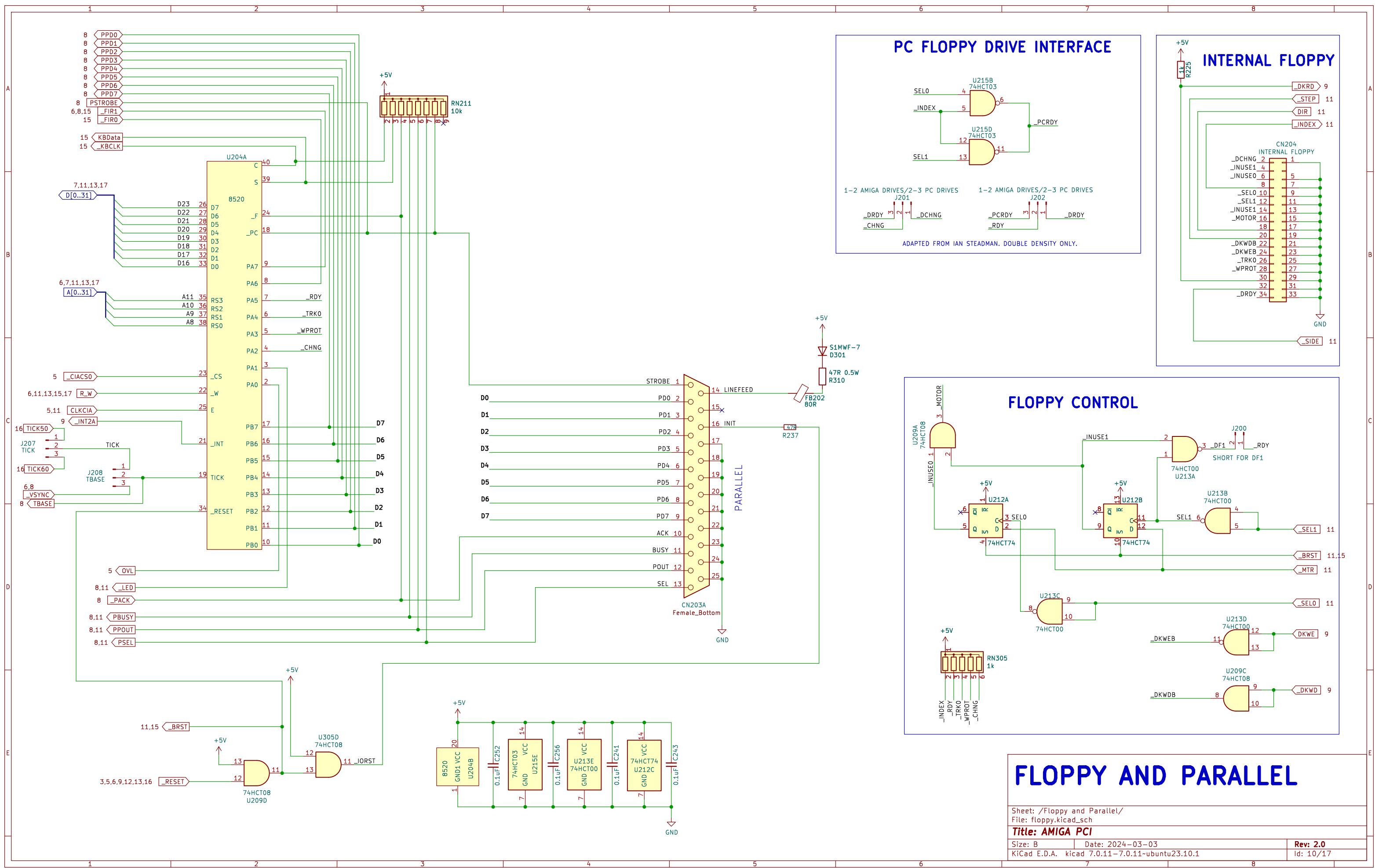


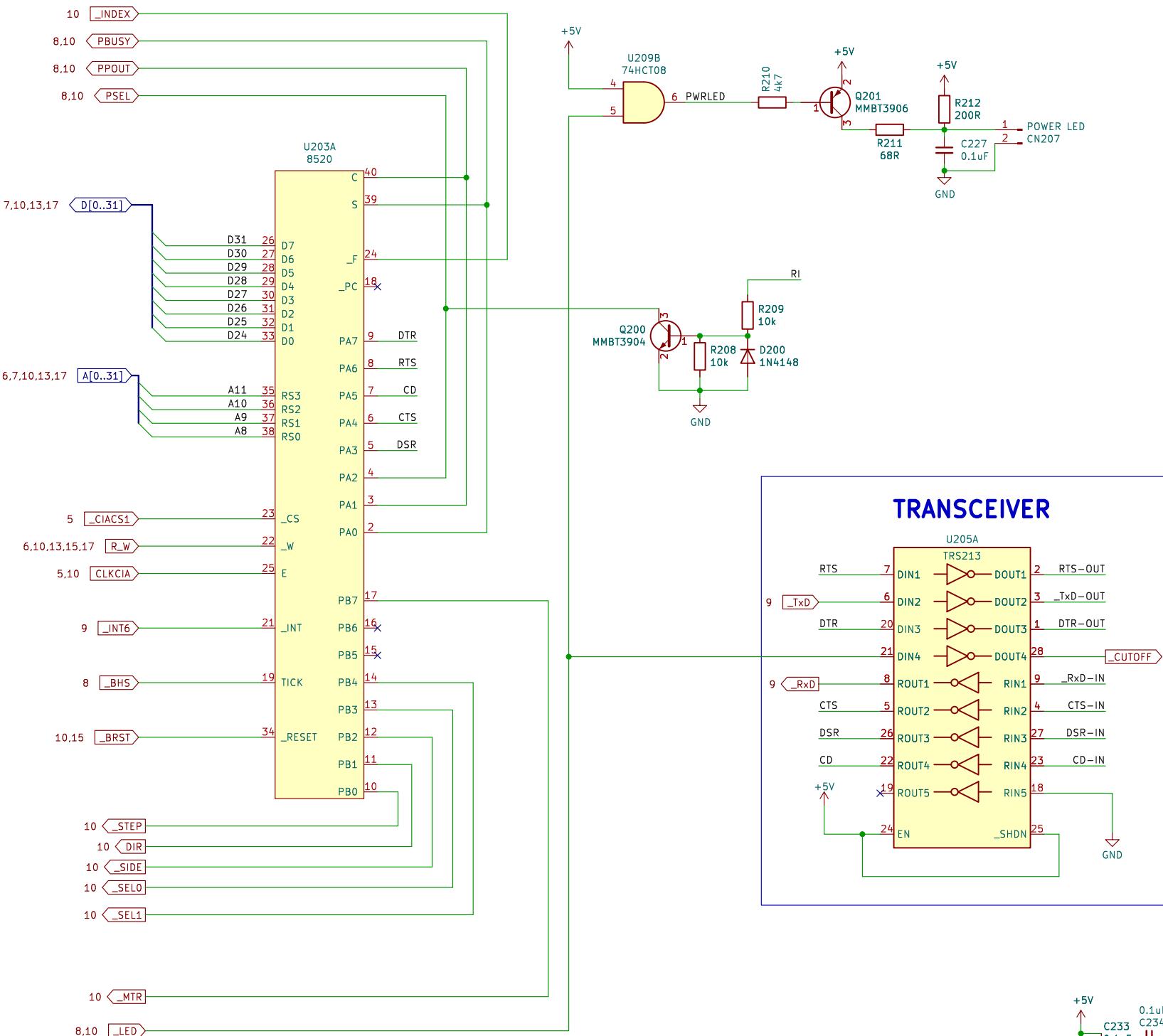
# PAULA/AUDIO

Sheet: /Audio/  
File: audio.kicad\_sch

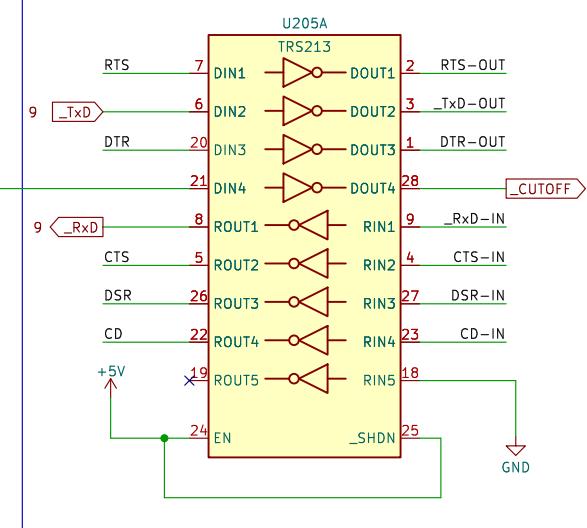
**Title: AMIGA PCI**

Rev: 2.0

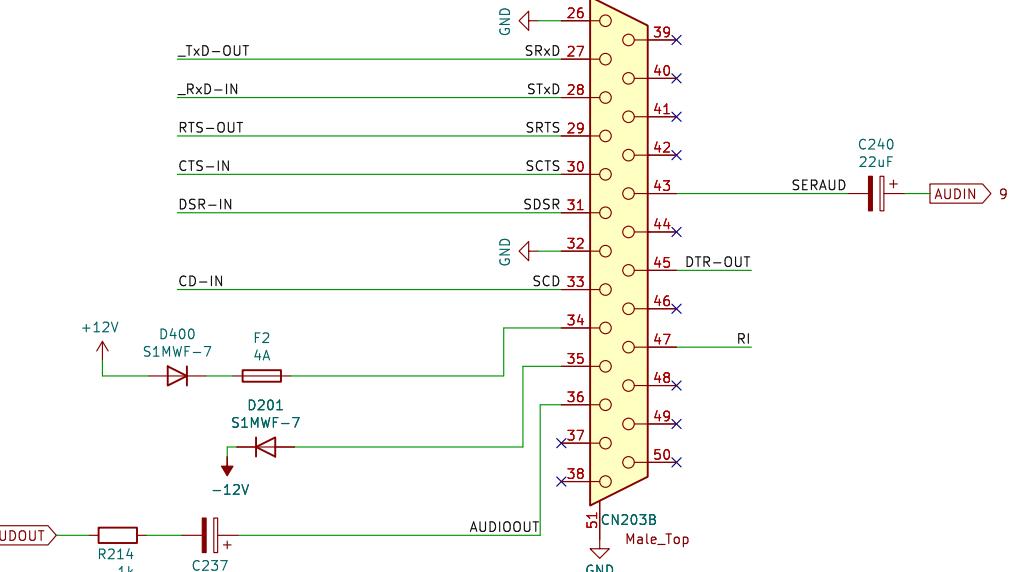




### TRANSCEIVER



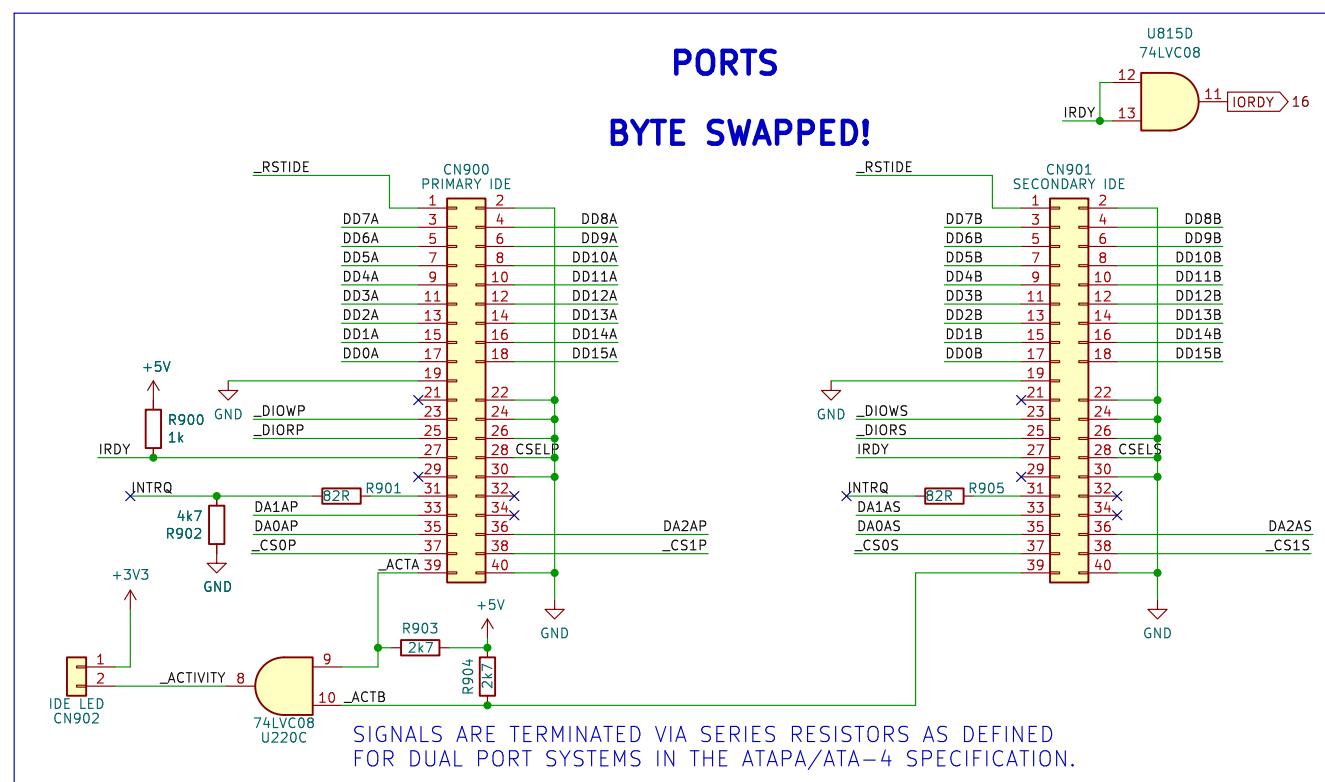
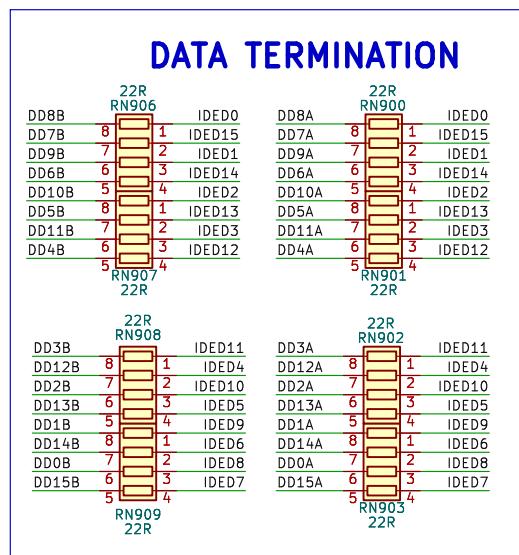
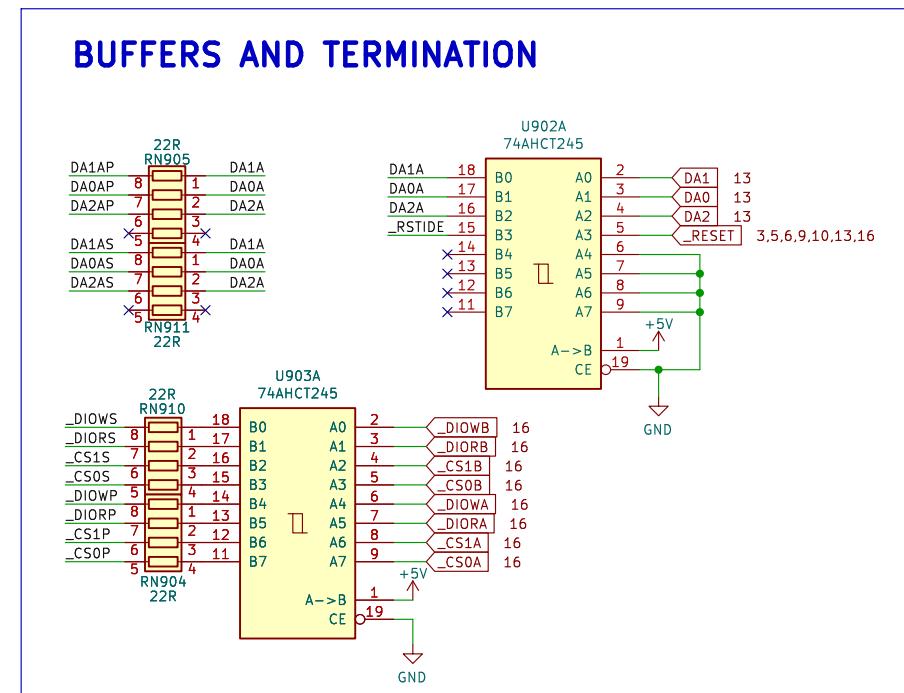
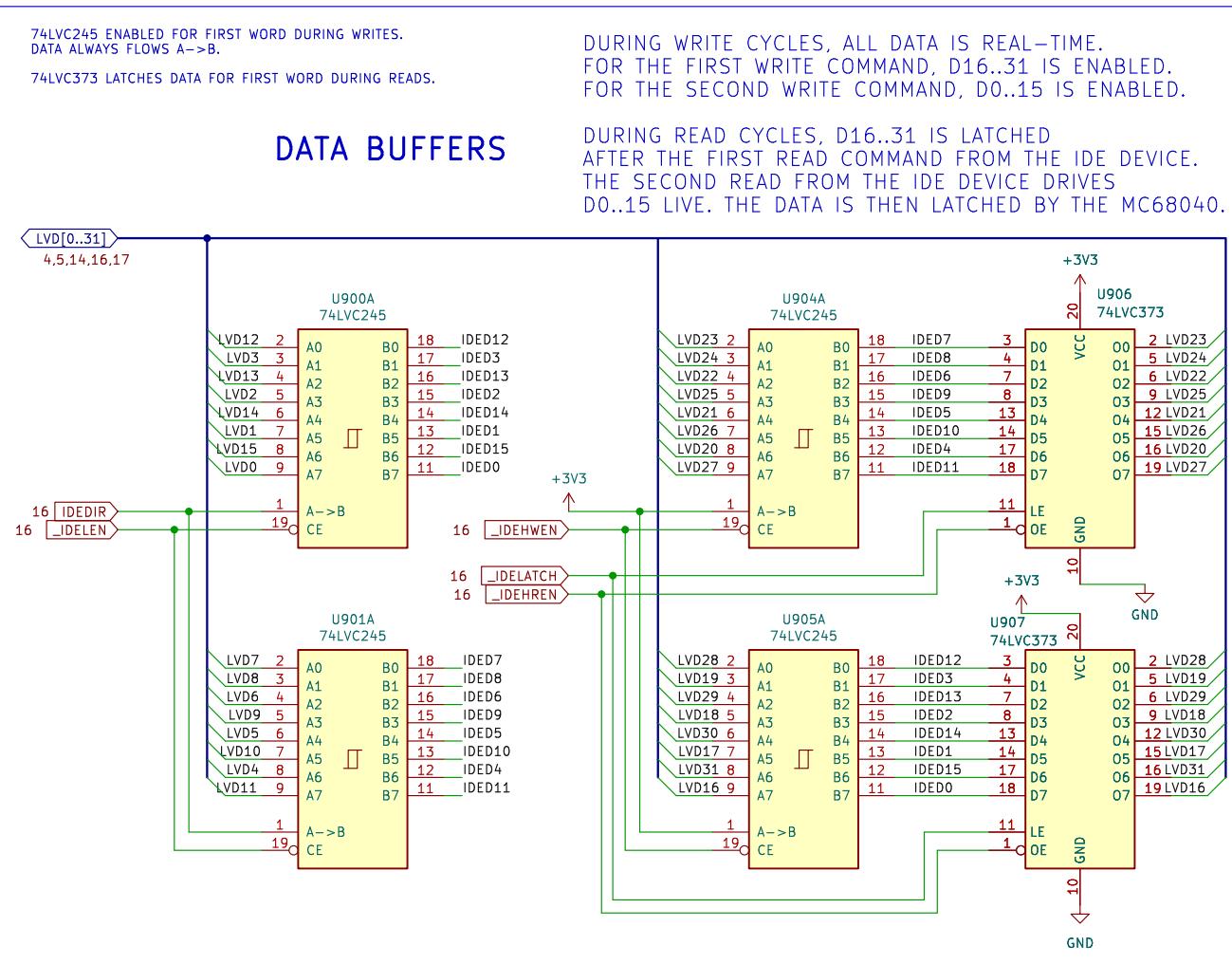
### SERIAL PORT



### SERIAL

Sheet: /Serial/  
File: serial.kicad\_sch  
**Title: AMIGA PCI**  
Size: B Date: 2024-03-03  
KiCad E.D.A. kicad 7.0.11~7.0.11~ubuntu23.10.1

Rev: 2.0  
Id: 11/17



## IDE INTERFACE

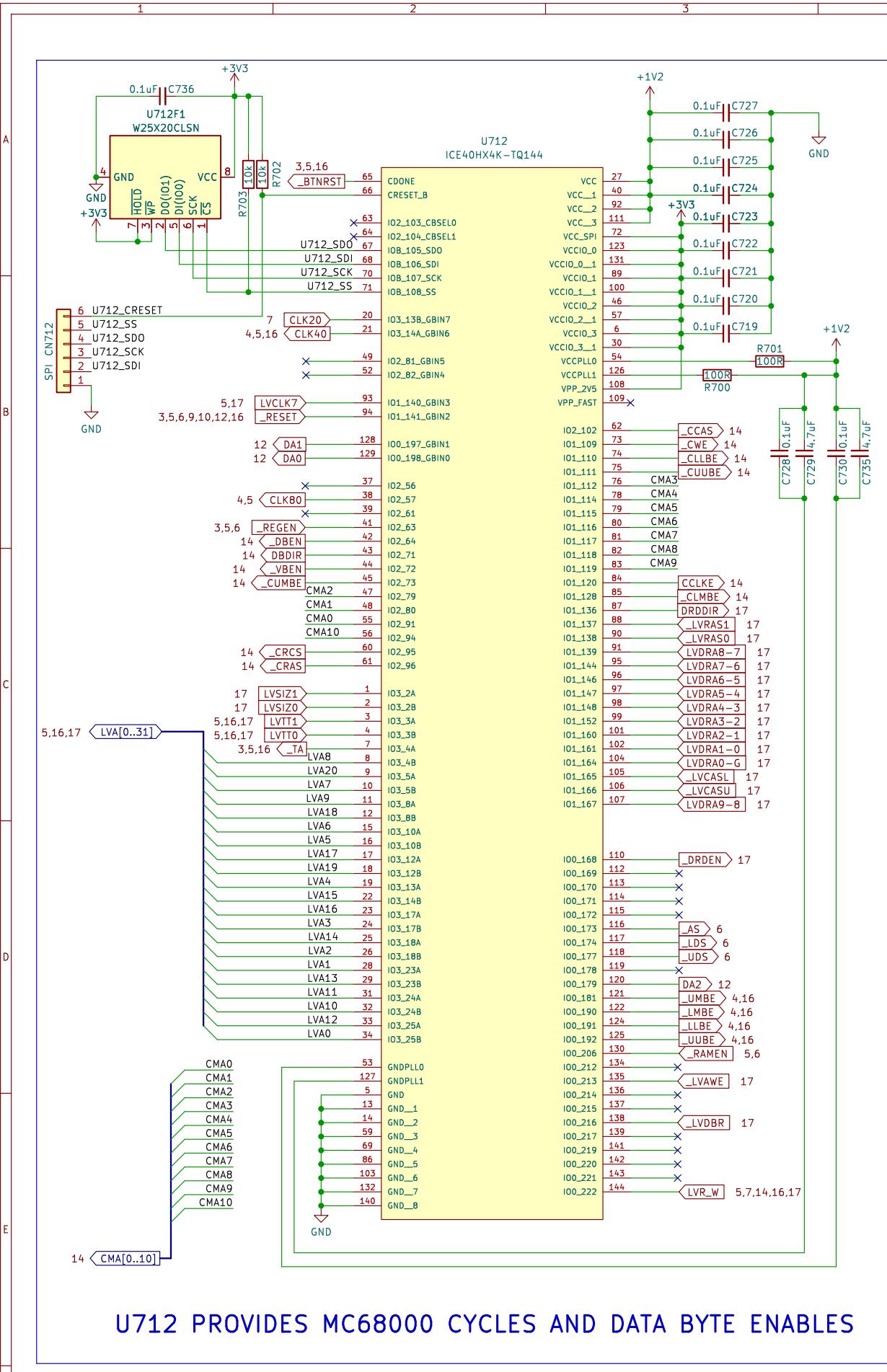
Sheet: /IDE Interface/  
File: IDE\_kicad.sch

Title: AMIGA PCI

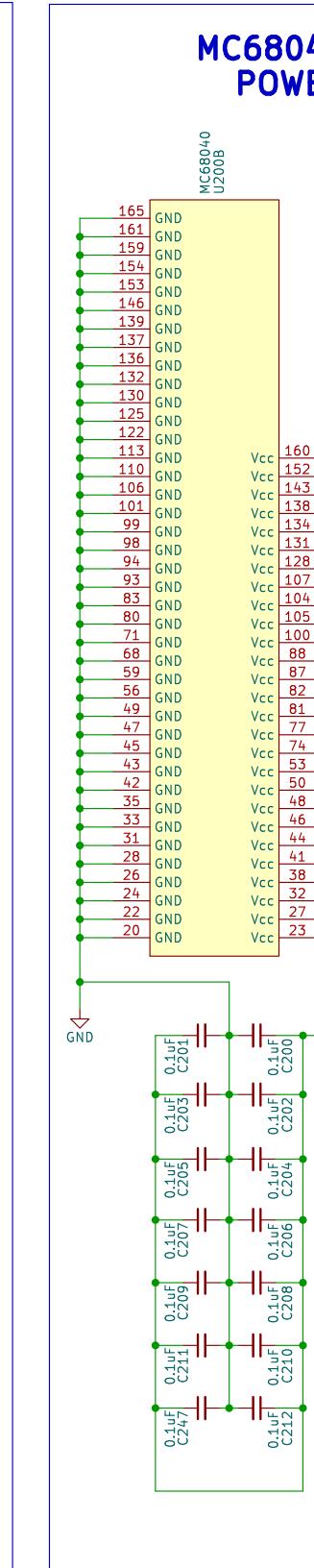
Size: B Date: 2024-03-03

KiCad E.D.A. kicad 7.0.11-7.0.11~ubuntu23.10.1

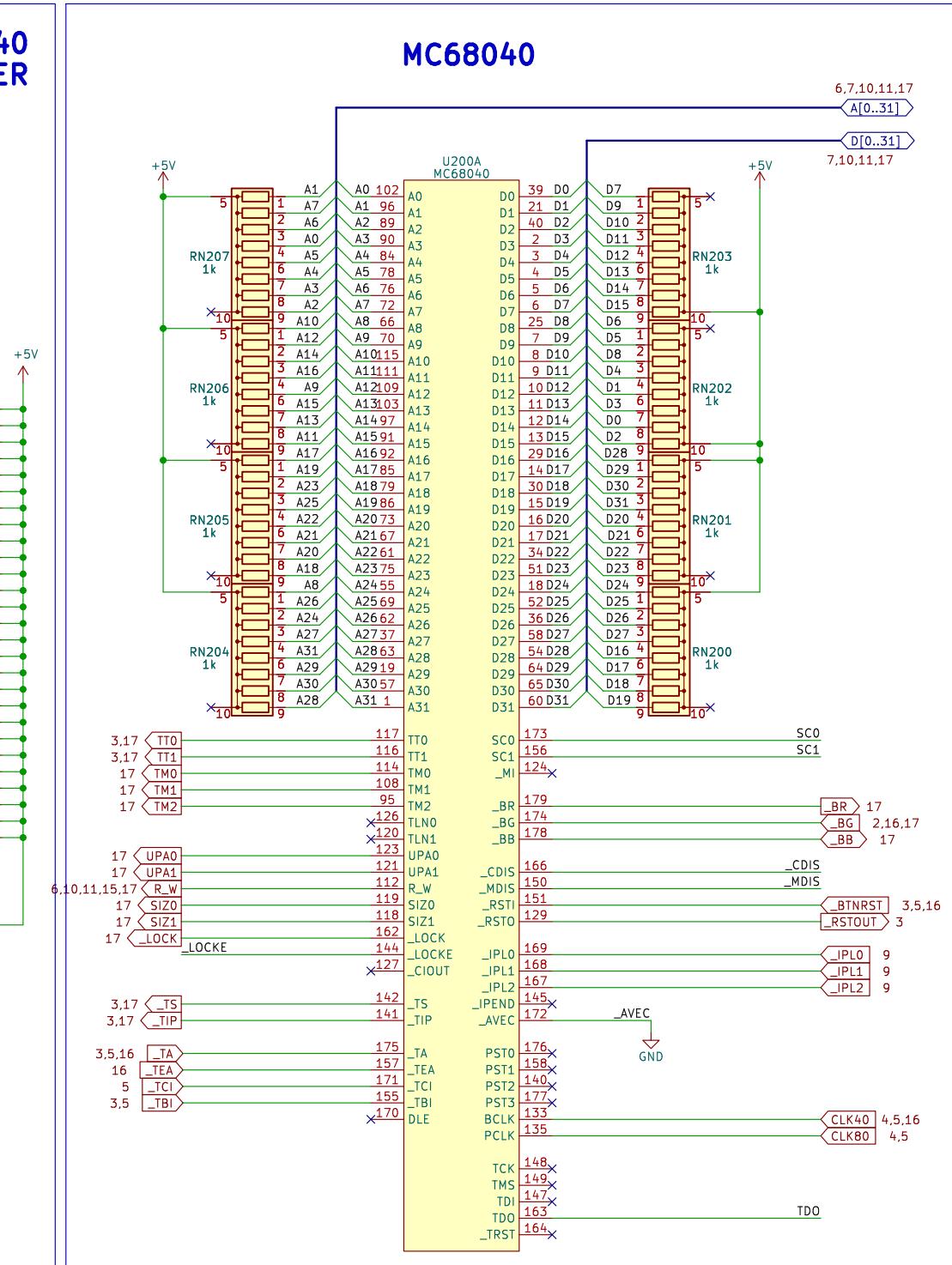
Rev. 2.0



U712 PROVIDES MC68000 CYCLES AND DATA BYTE ENABLER

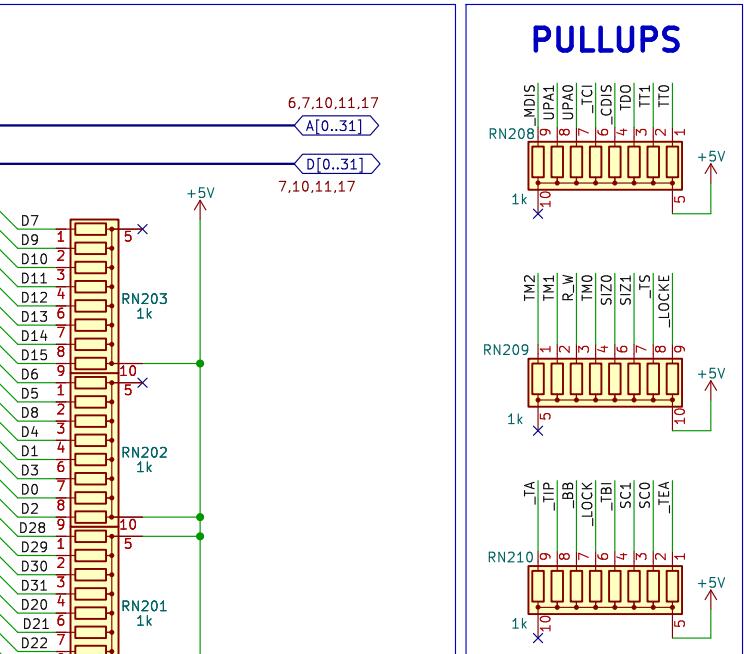


**MC6804  
POWER**



MC68040 PREFERRED HEATSINK:  
ATS-CPX060060025-132-C1-R0 x 1  
ATS-HK127-R0 x 4

## ALTERNATE HEATSINK: BDN18-6CB/A01

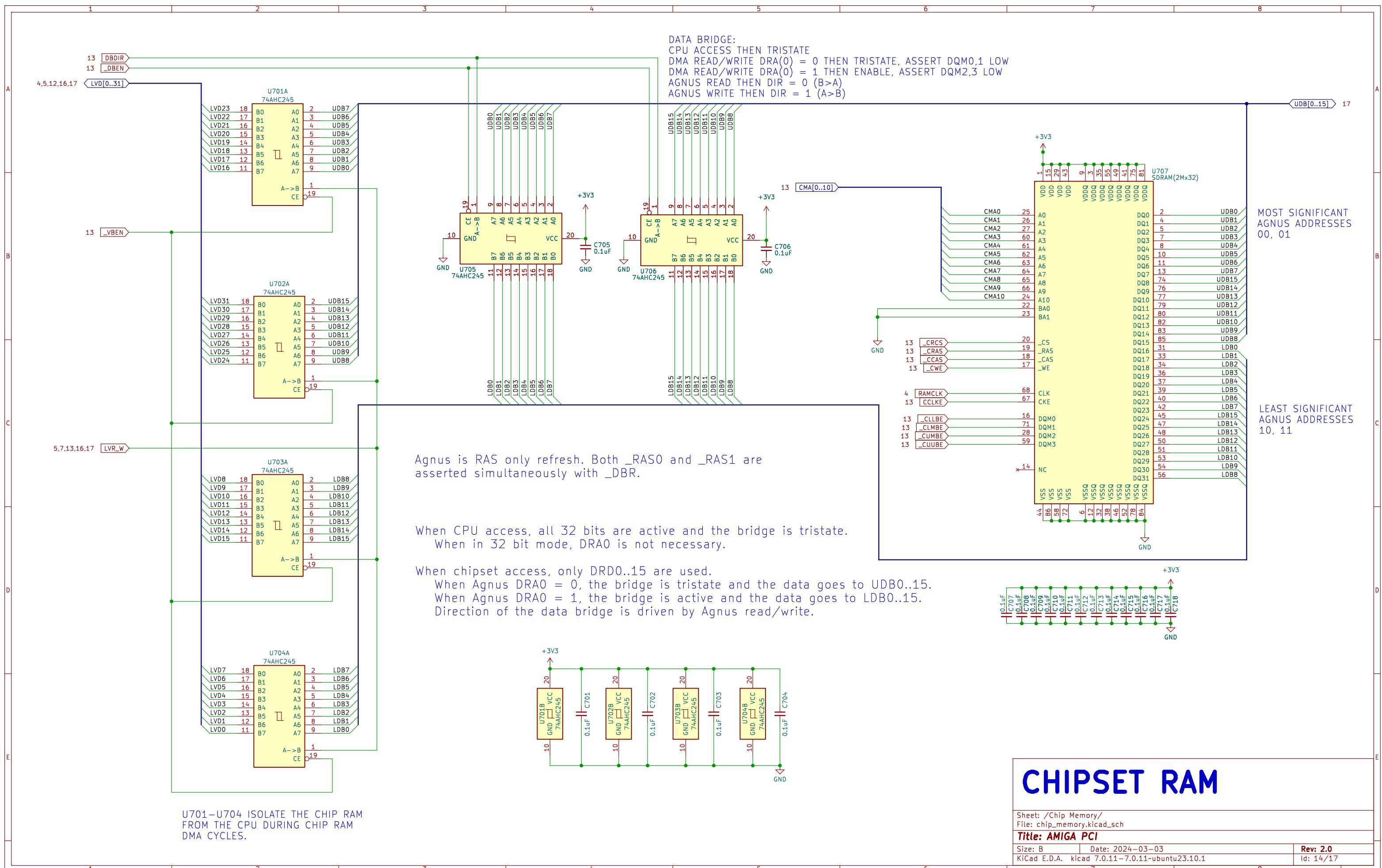


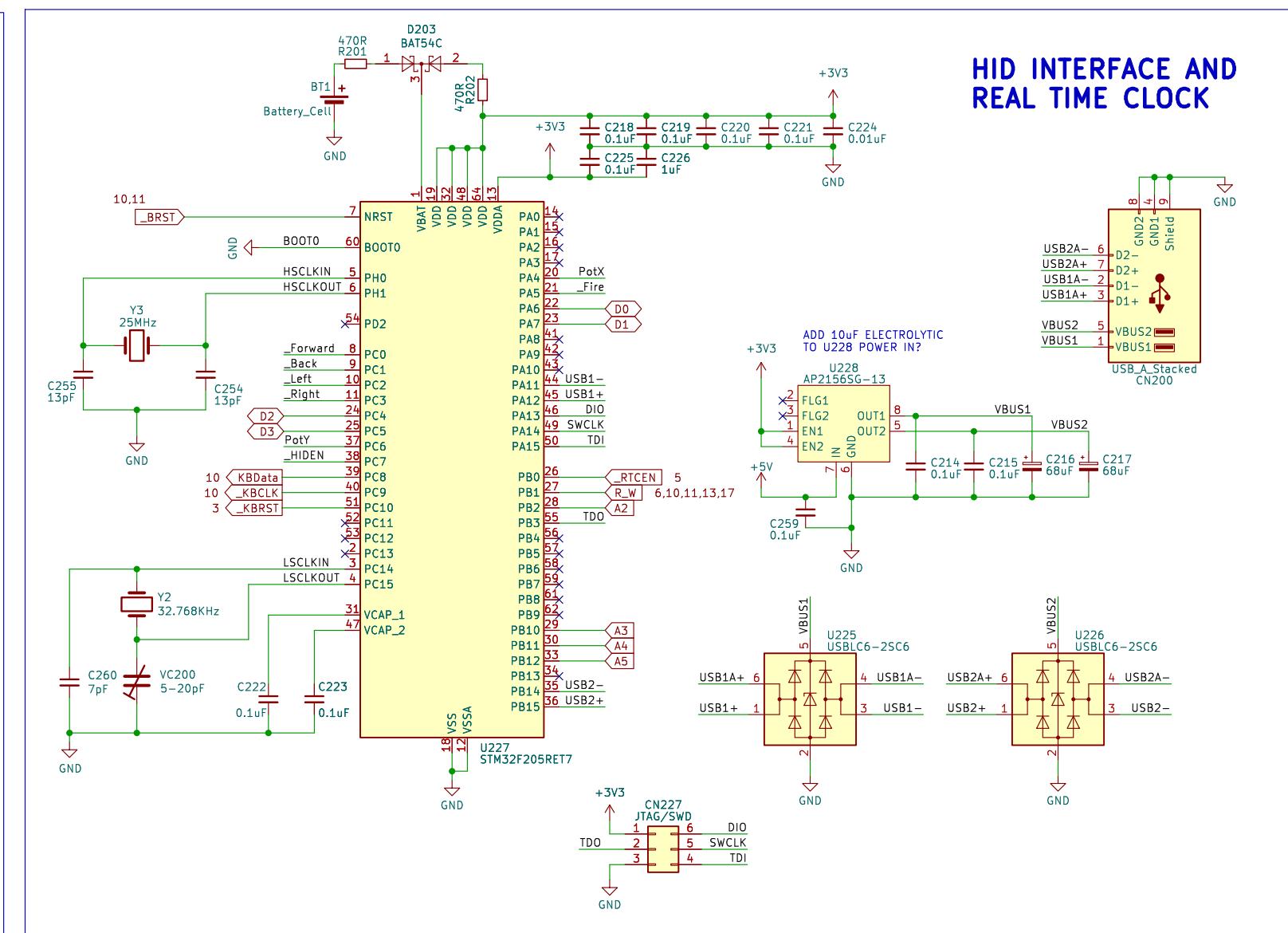
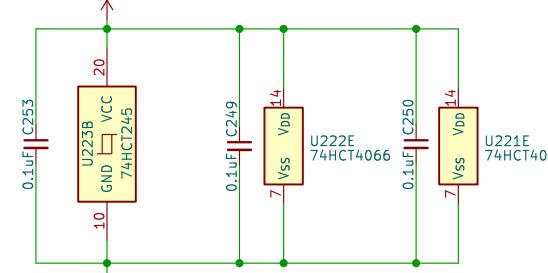
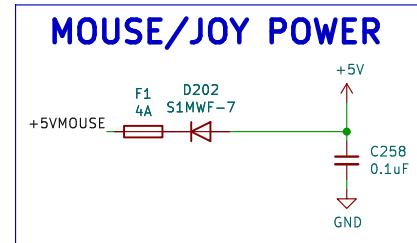
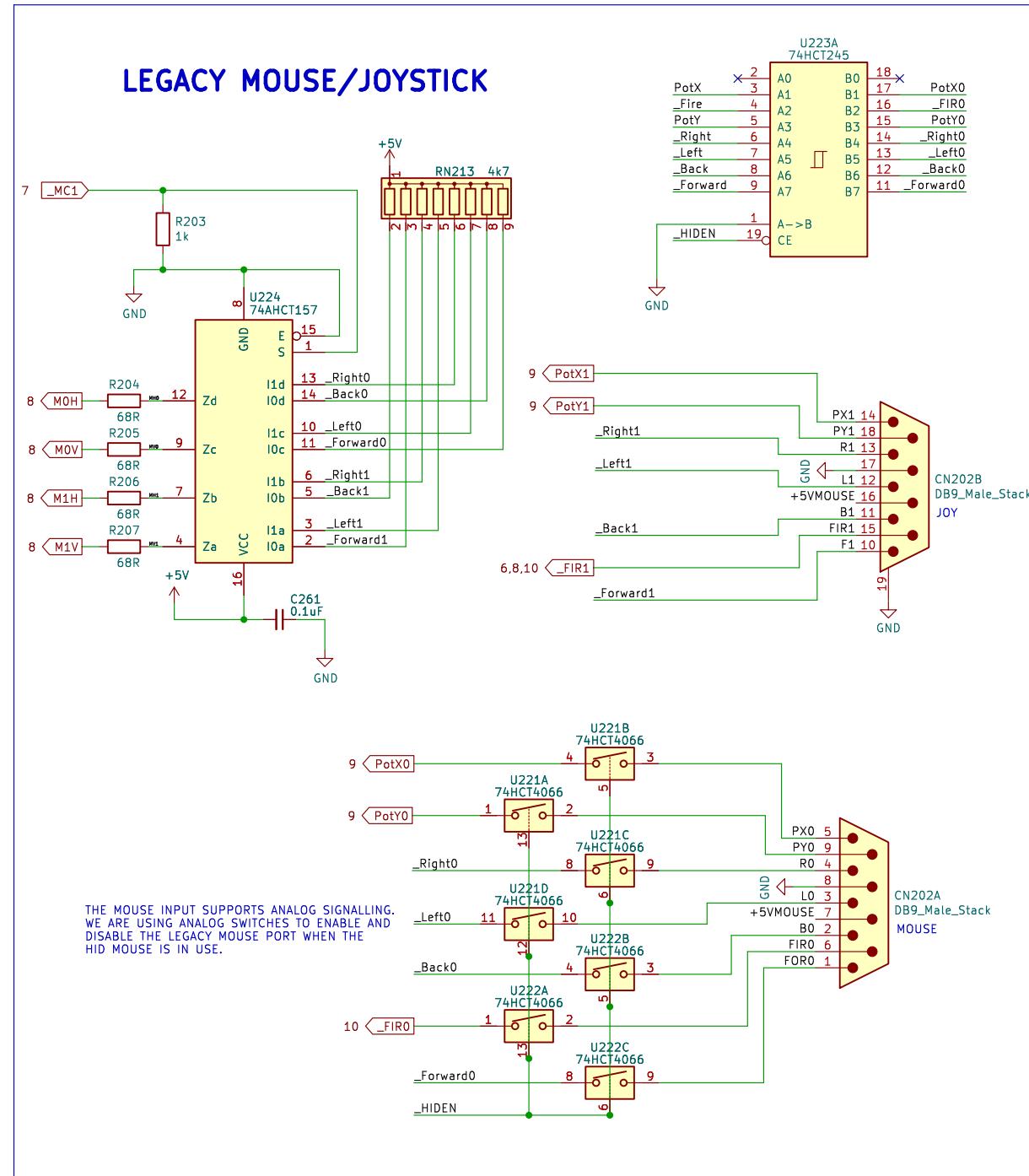
# CPU/CHIP RAM CONT

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Title: AMIGA PCI  
Size: B Date: 2024-03-03

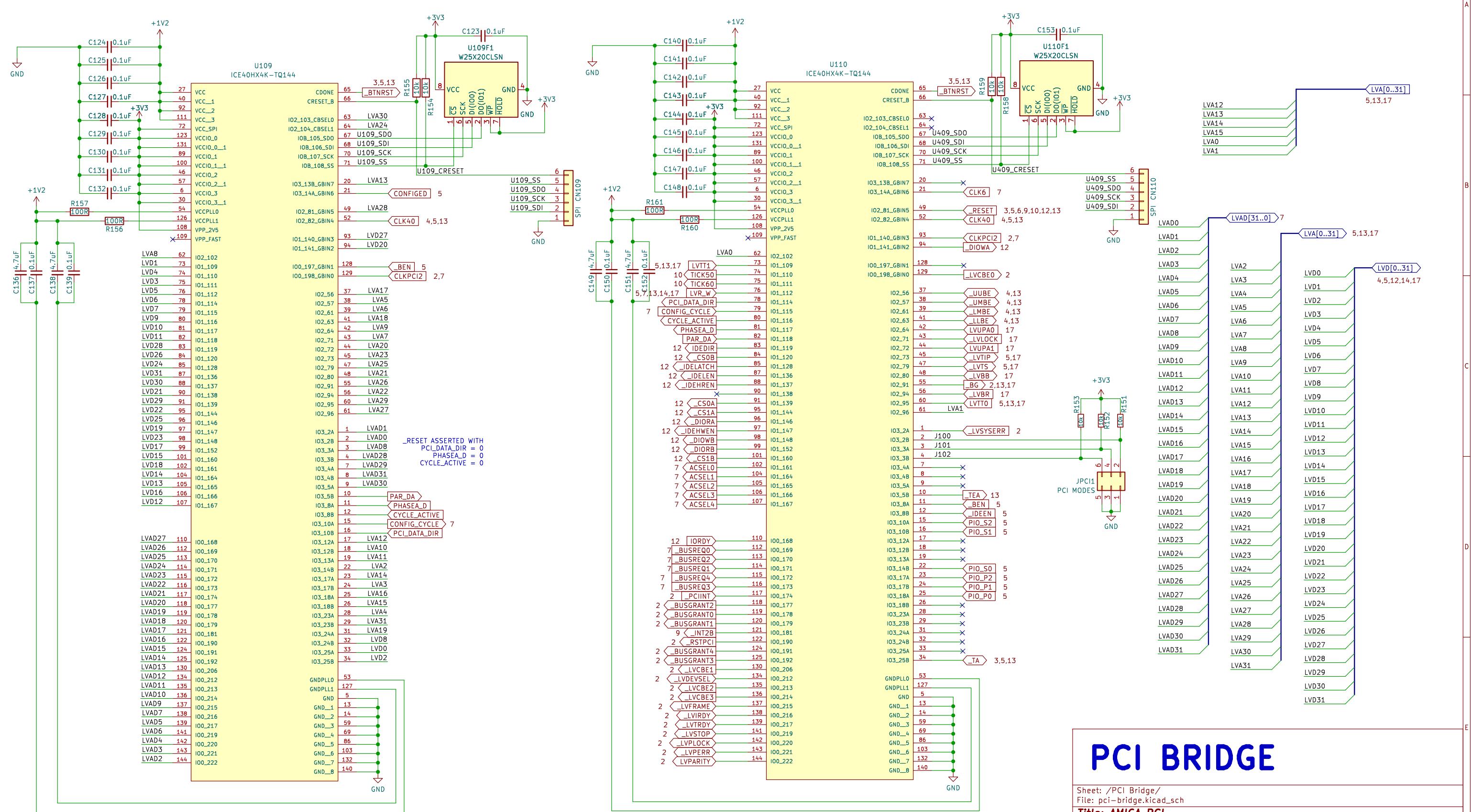
Rev: 2.0





## U109: BUFFERS AD/D/A BUSSES, AD PARITY CALC, AUTOCONFIG, BRIDGE REGISTERS

## U110: PCI STATE MACHINE, BUS ARBITRATOR, INTERRUPT HANDLING, PARITY ERROR DETECTION, IDE CONTROLLER



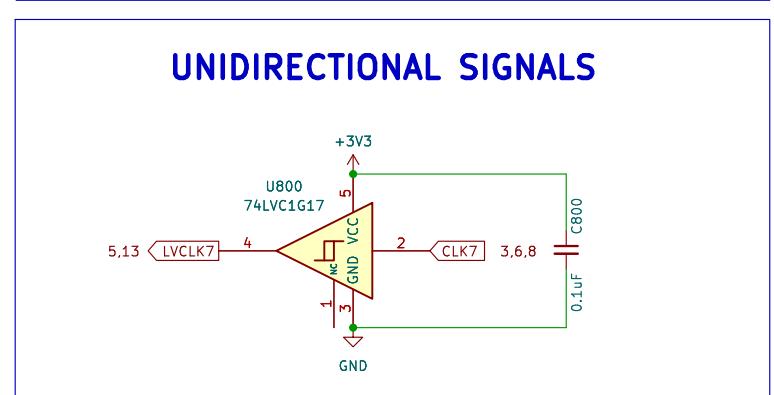
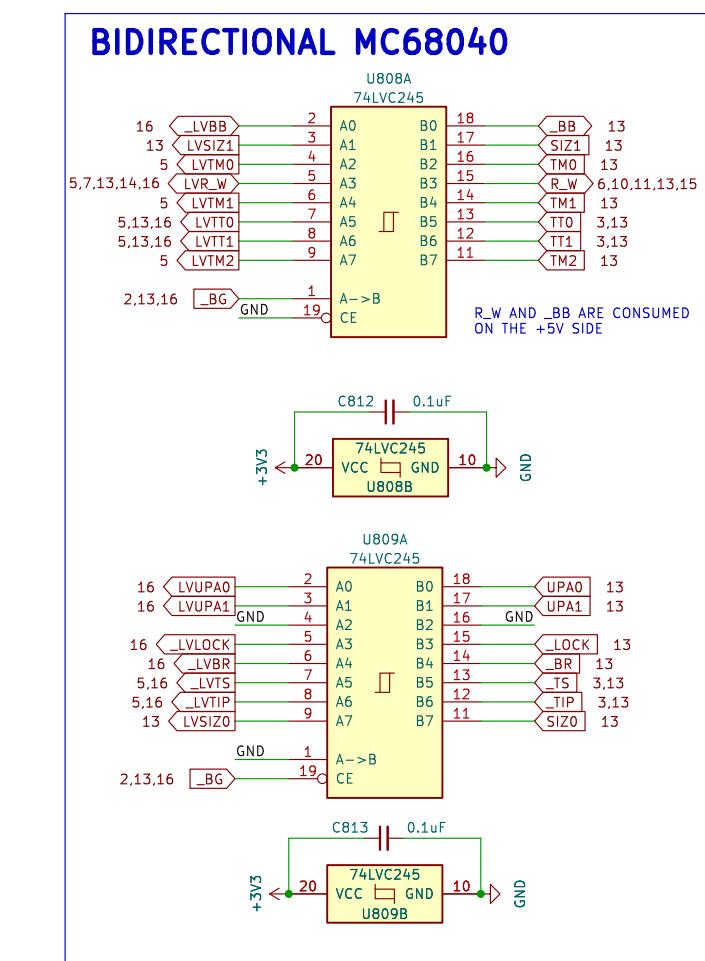
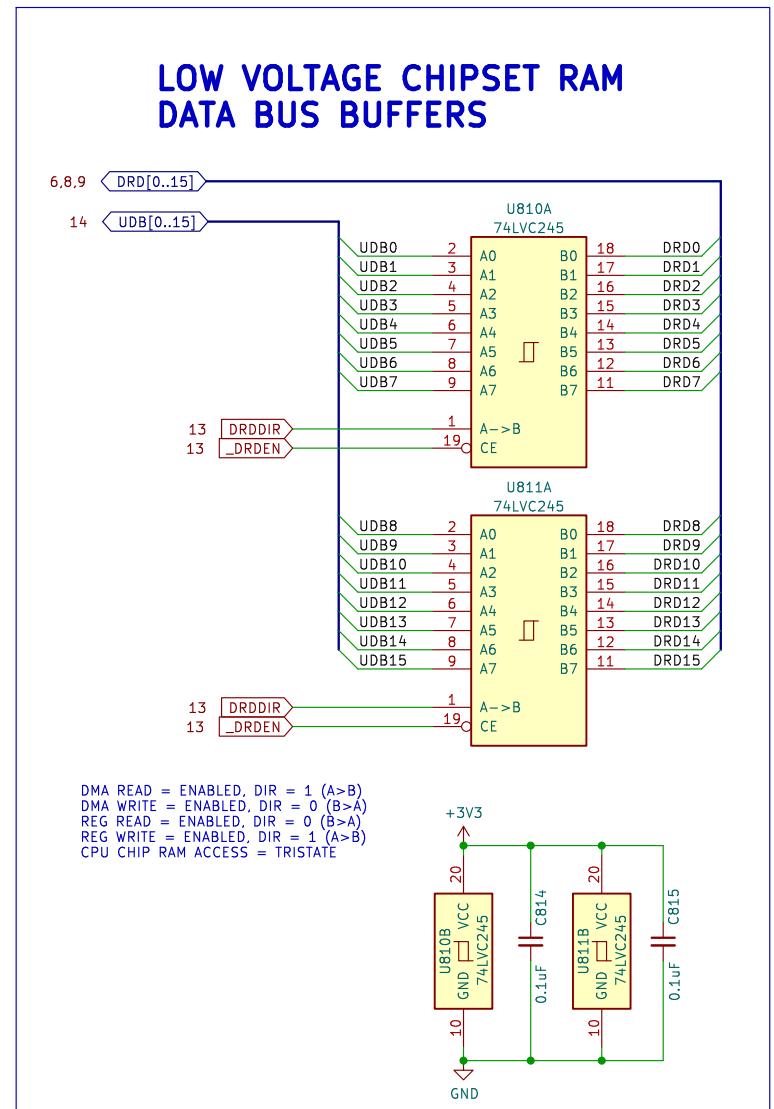
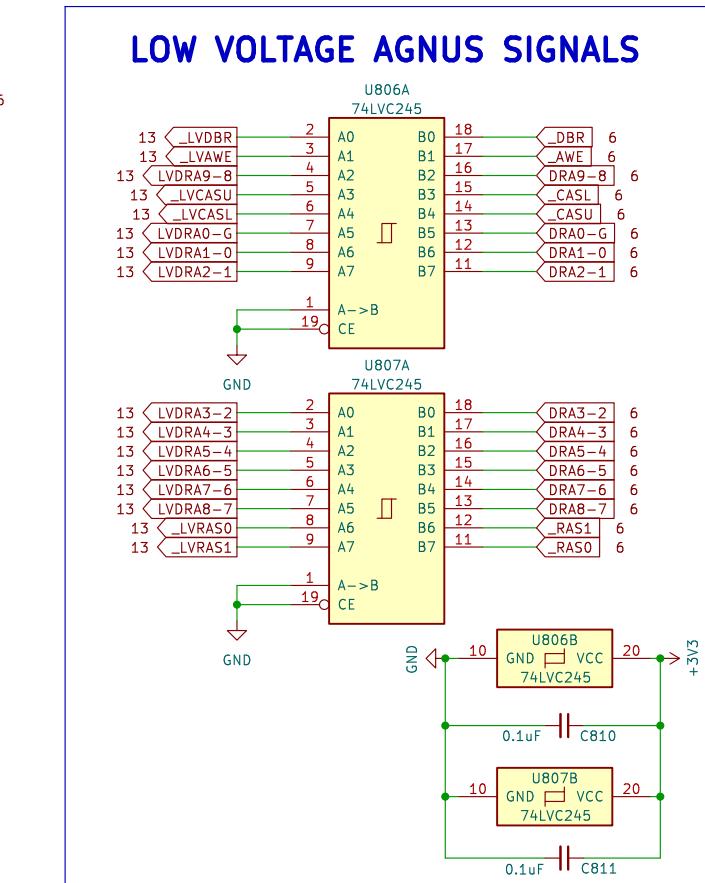
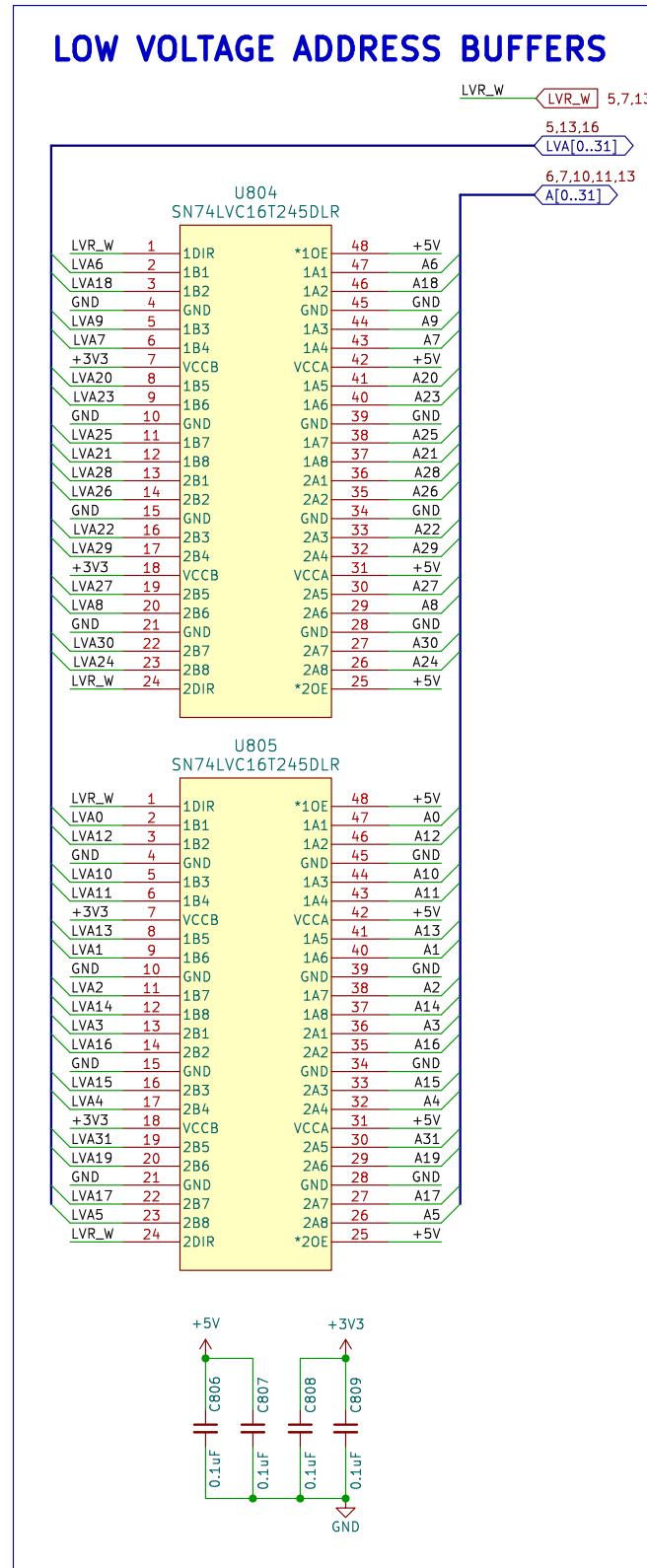
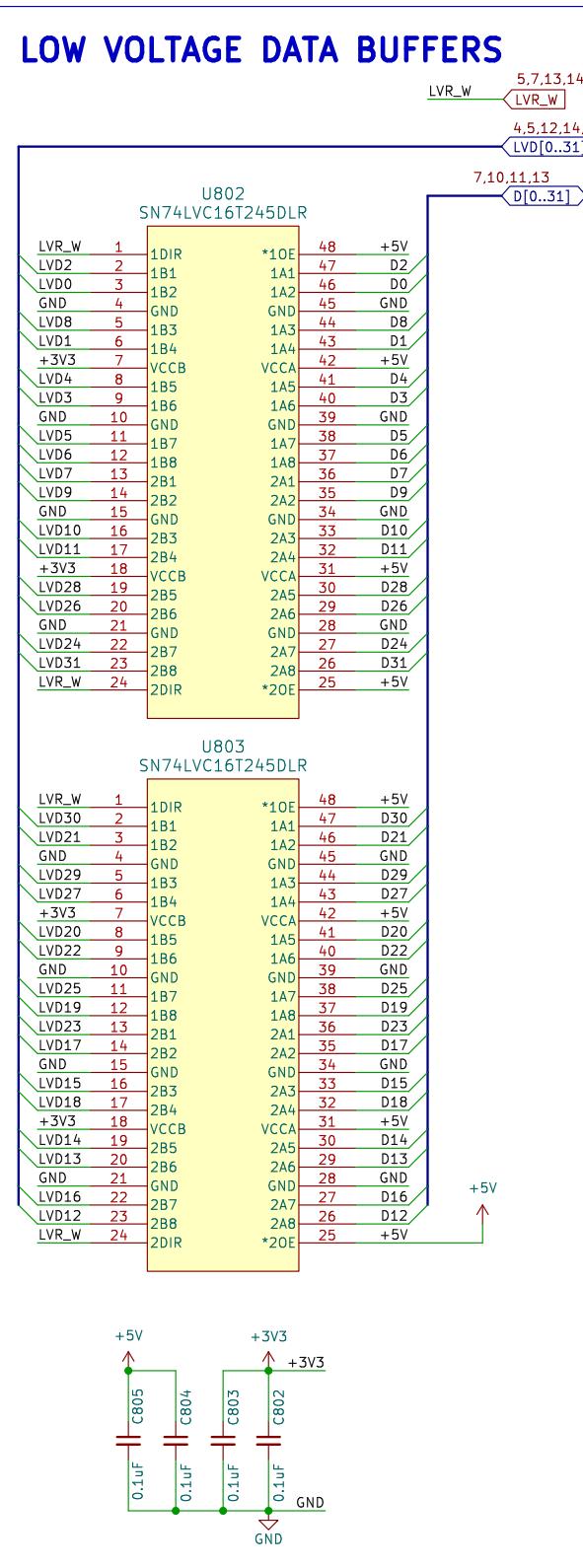
# PCI BRIDGE

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File: pci-bridge.kicad\_sch

Title: AMIGA PCI

Size: B Date: 2024-03-03  
KiCad E.D.A. kicad 7.0.11~7.0.11~ubuntu23.10.1

Rev: 2.0  
Id: 16/17



IT SEEMS MY ONLY CHANCE IS GIVING UP THE FIGHT.

# MC68040 LEVEL SHIFT

Sheet: /MC68040\_Level\_Shift/  
File: mc68040\_level\_shift.kicad\_sch

Title: AMIGA PCI

Size: B Date: 2024-03-

KiCad E.D.A. [kicad](#) 7.0.11–7.0.11~ubuntu23.10.1

**ev: 2.0**