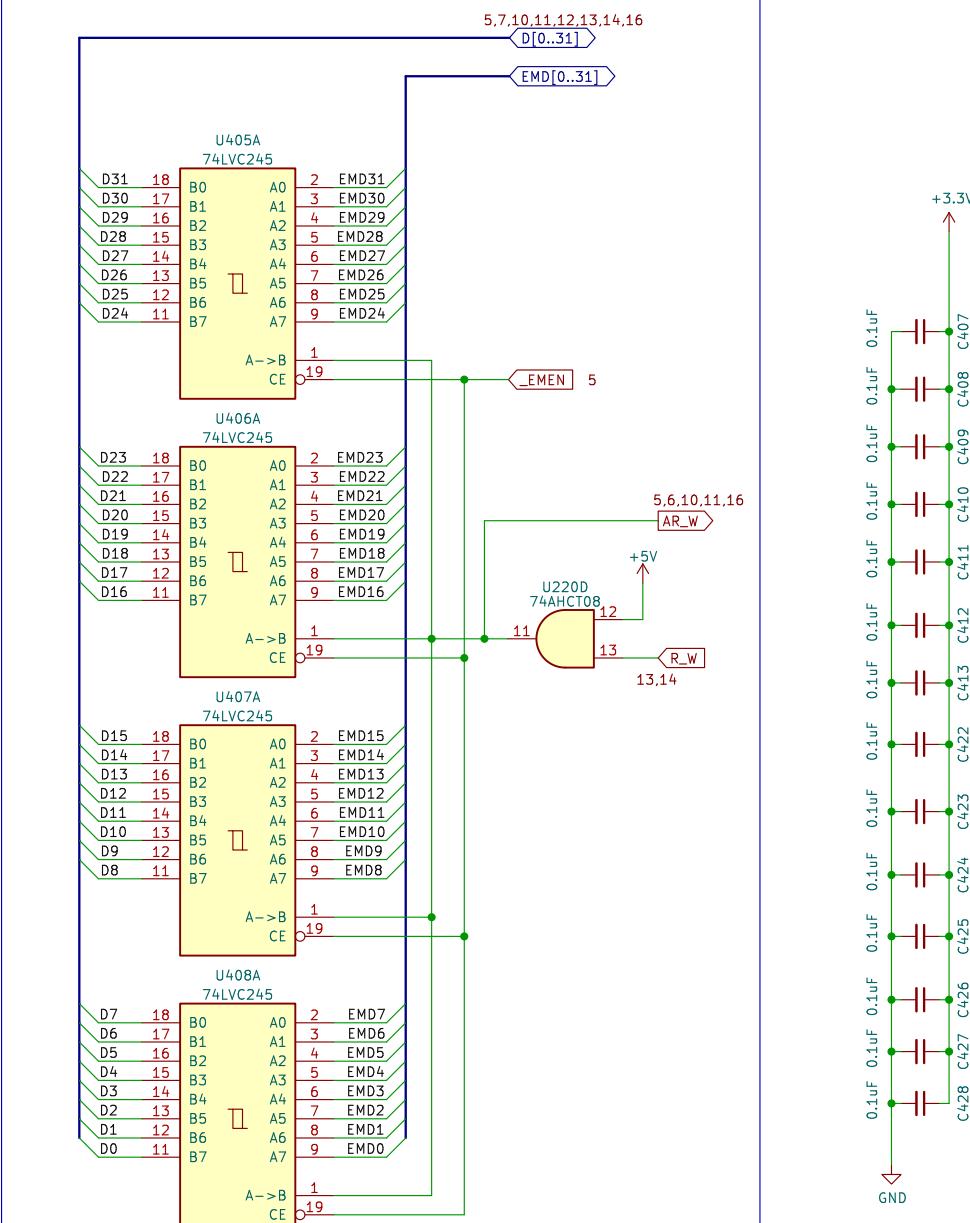


SDRAM DATA BUFFERS



FAST MEMORY

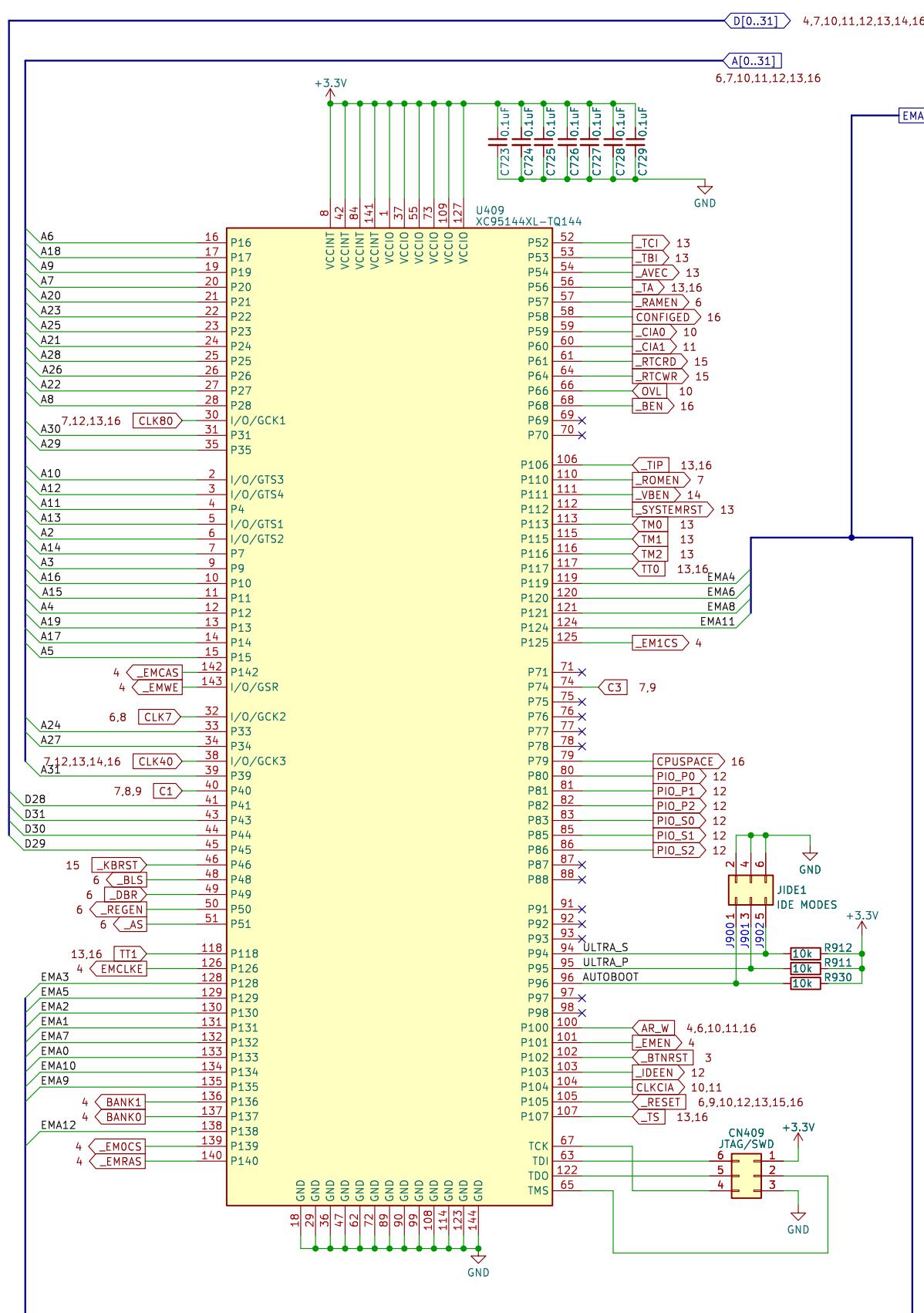
Sheet: /Fast Memory/
File: memory.kicad_sch

Title: AMIGA PCI

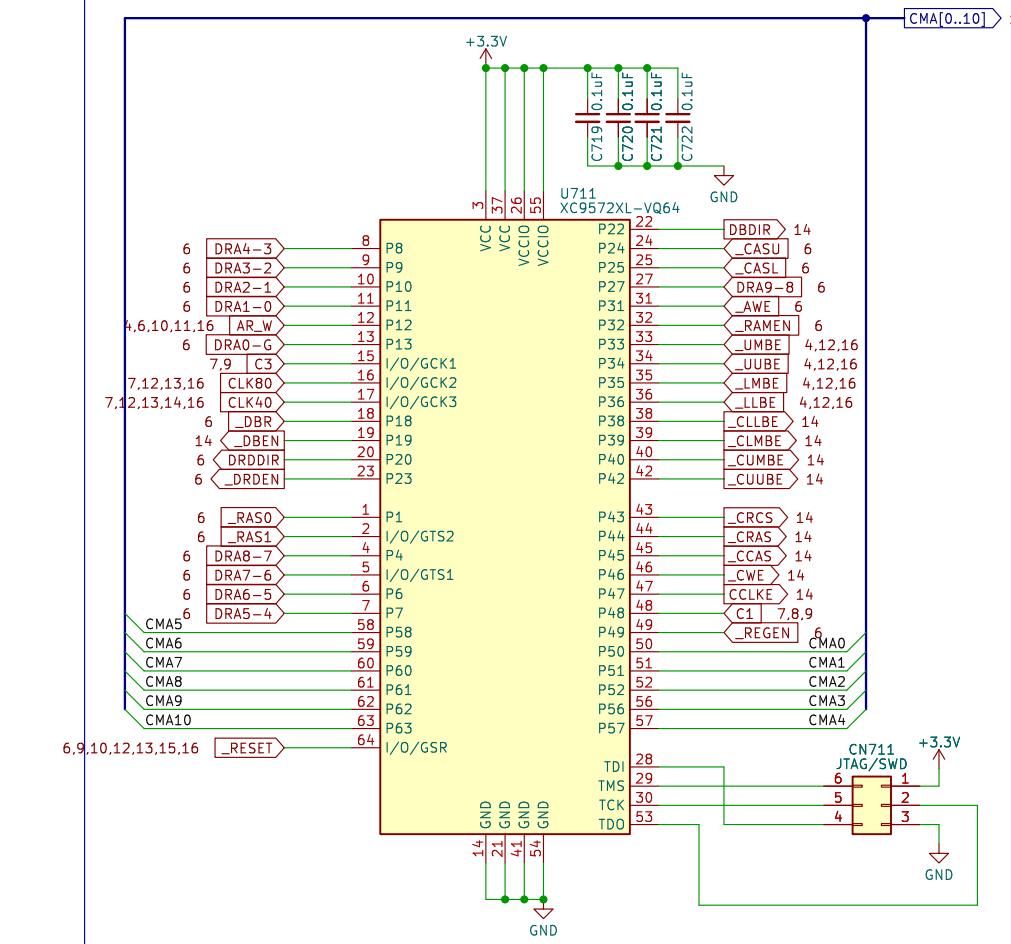
Size: B Date: 2023-12-30
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1

Rev: 1
Id: 4/16

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



CHIP RAM CONTROLLER



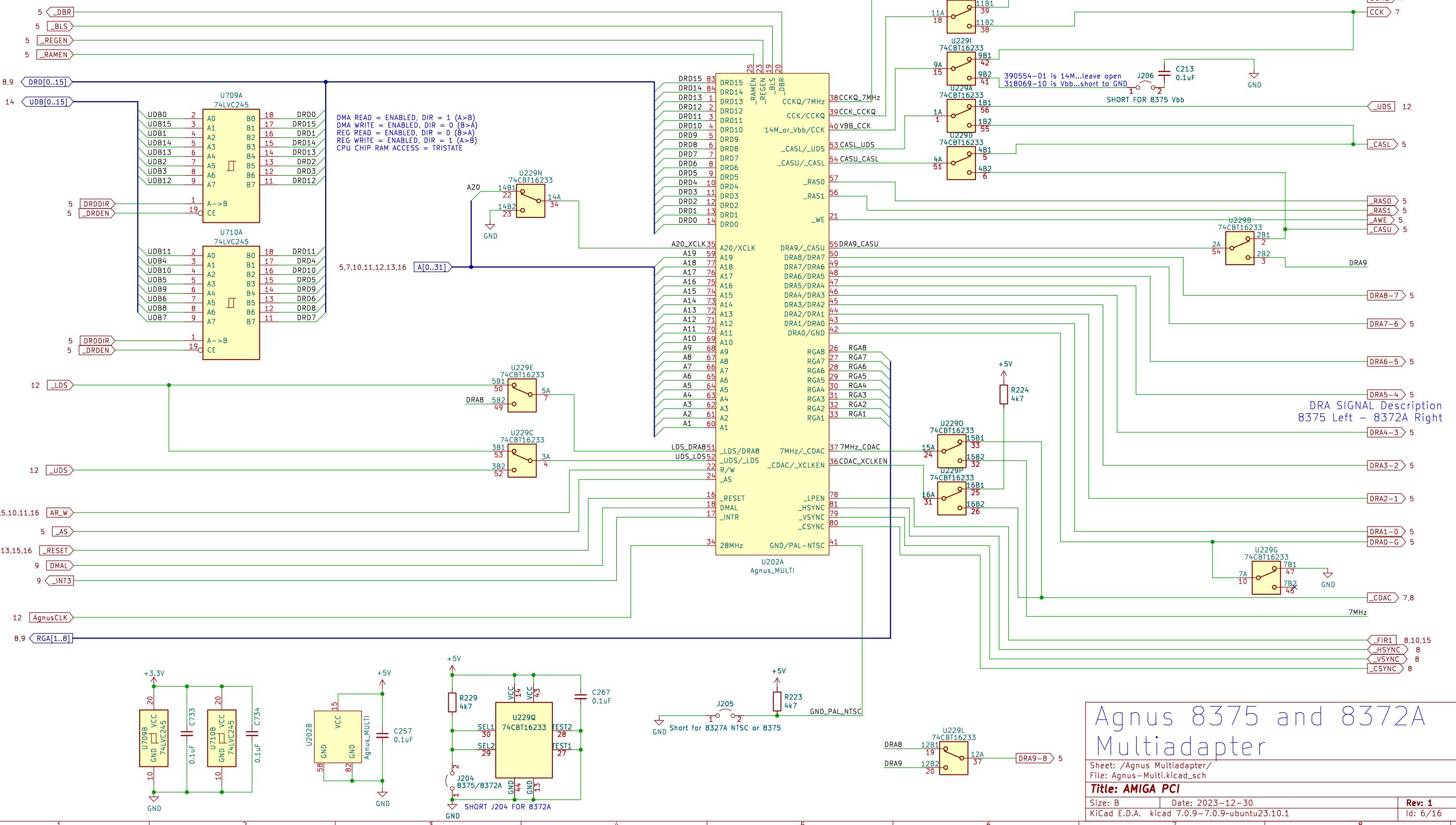
Sheet: /Board Controller/
File: bcontroller.kicad_sch
Title: AMIGA PCI

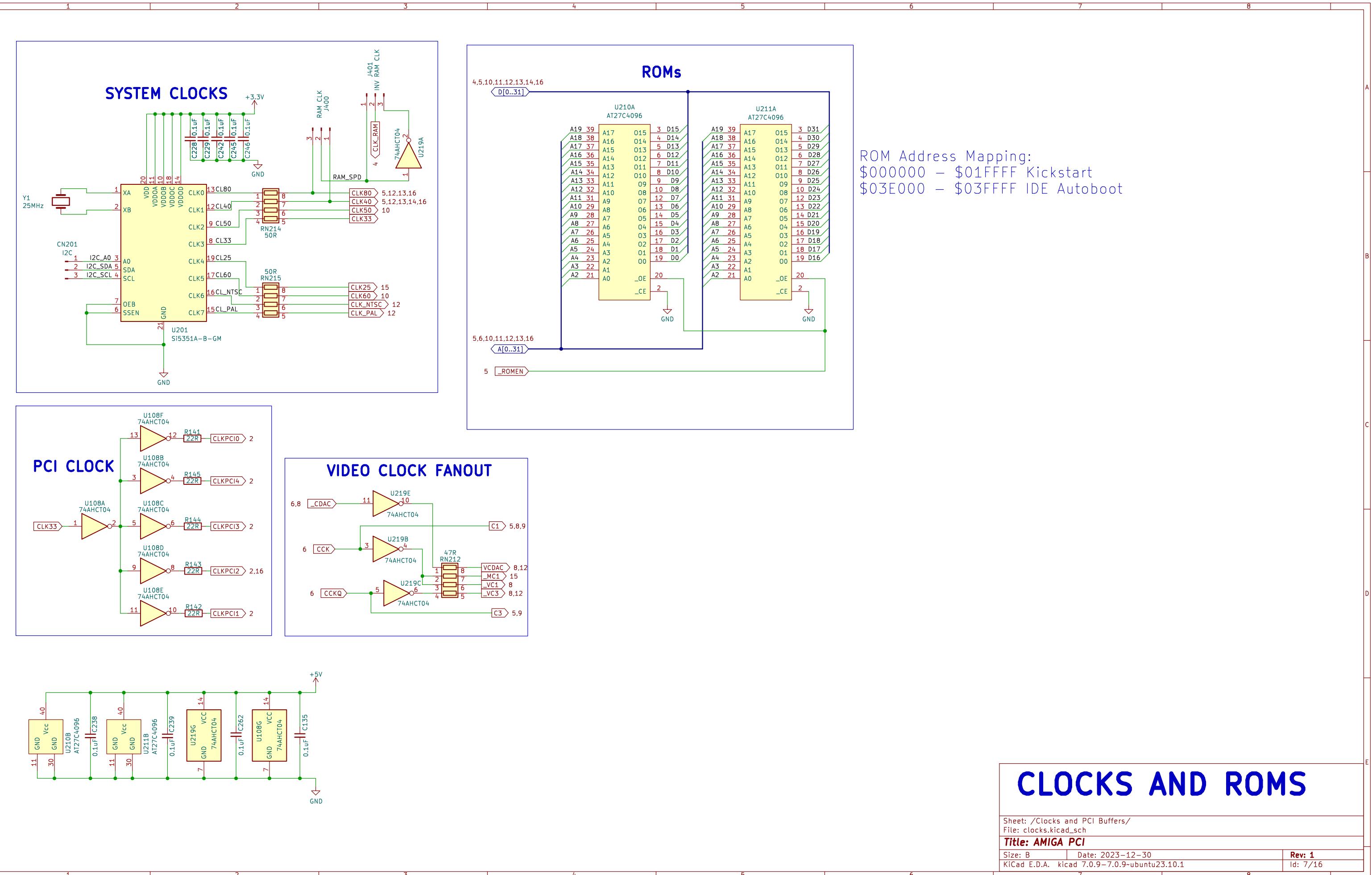
Size: B Date: 2023-12-30
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1

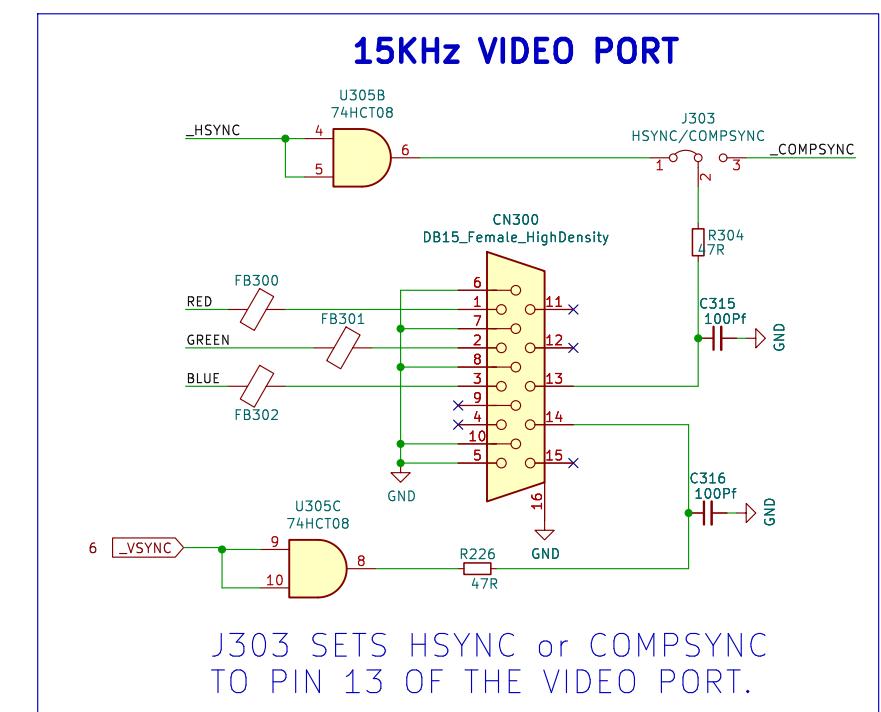
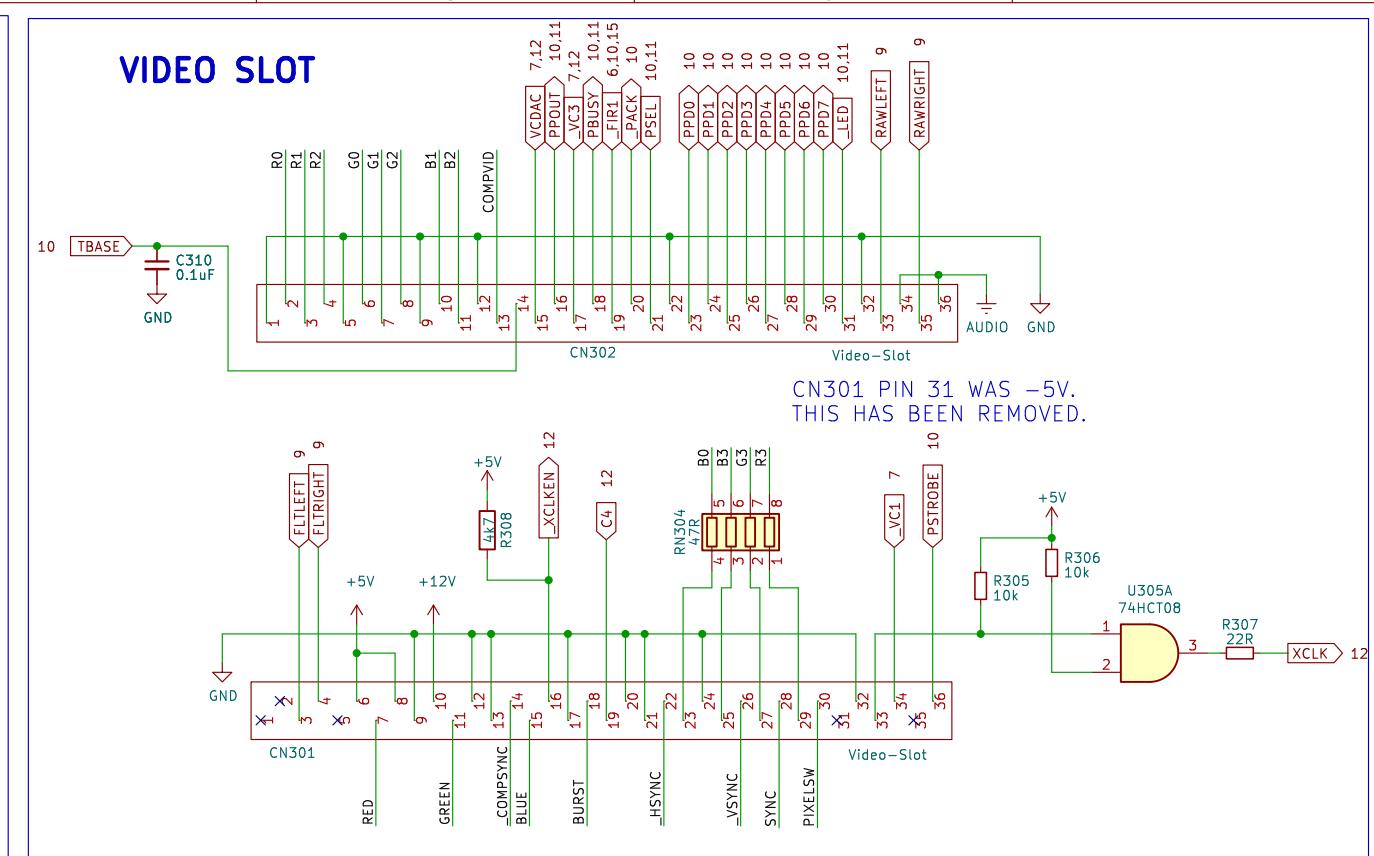
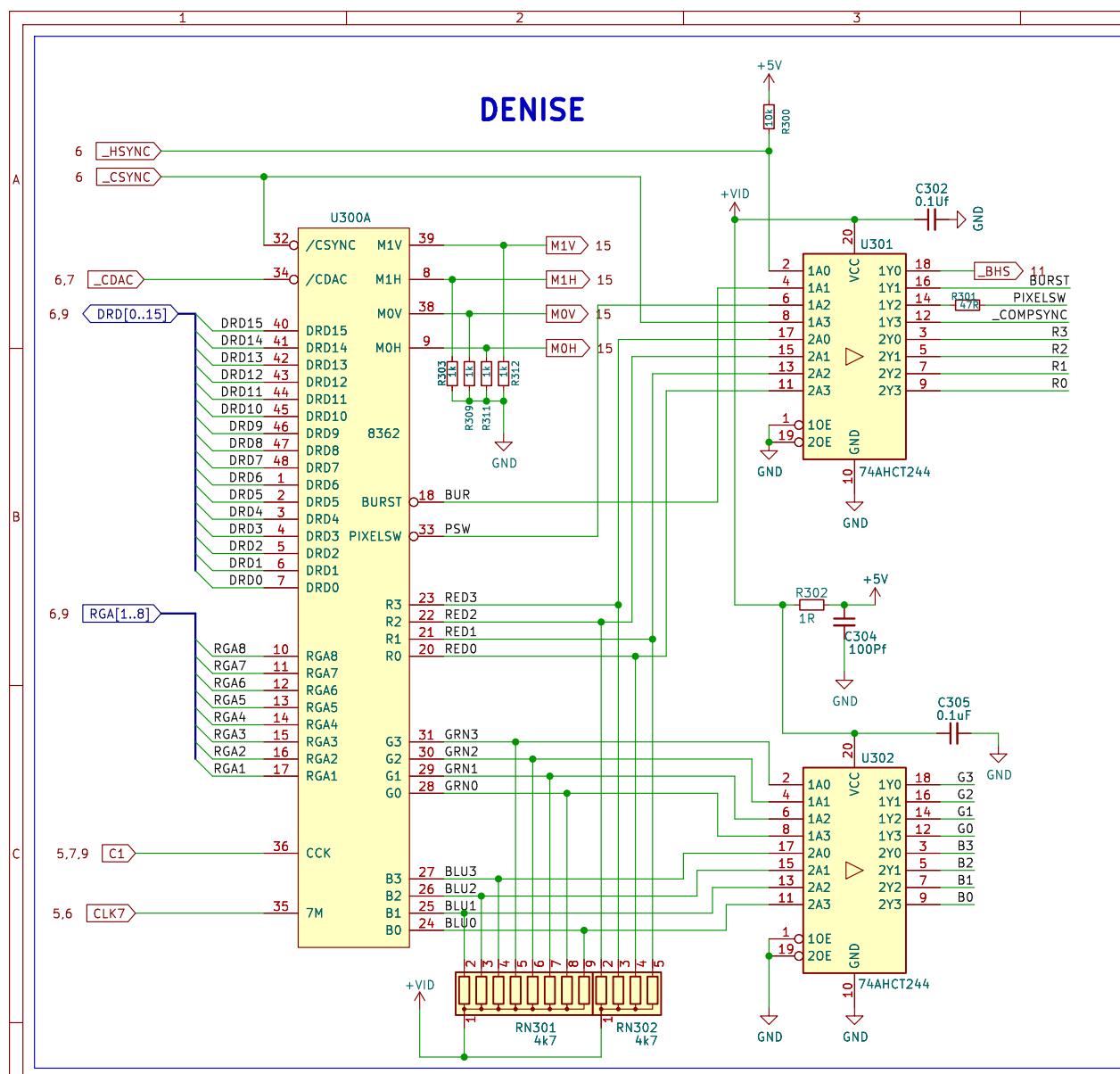
Rev: 1
Id: 5/16

SUPPORTS 8372A (ALL PART NUMBERS)
AND 8375 THE FOLLOWING PART NUMBERS:
390544-01 AND COMPATIBLE (390544-02, 390554-01, 390554-02,
318069-12, 318069-13) AND 318069-10, 318069-11

JUMPERS MUST BE CONFIGURED BY AGNUS PART NUMBER







VIDEO
HYBRID

I WAS -5V.
IN REMOVED.

15KHz VIDEO PORT

J303 SETS HSYNC or COMPSYNC TO PIN 13 OF THE VIDEO PORT.

VIDEO

Sheet: /Video/
File: video.kicad_sch

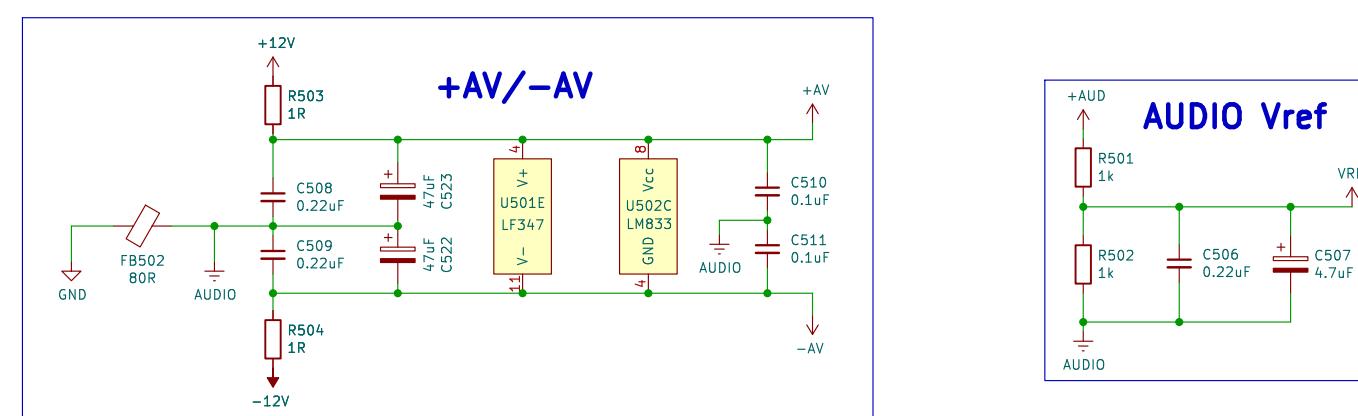
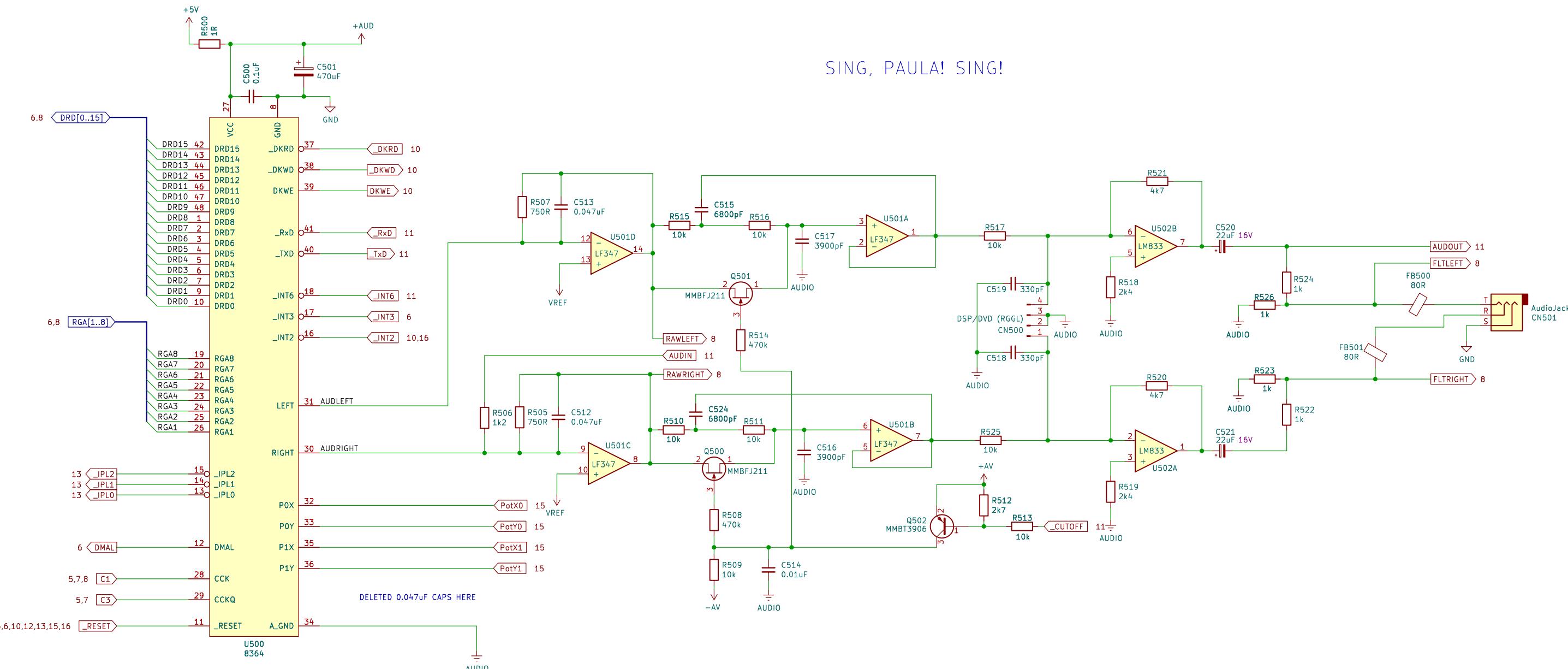
Title: AMIGA PCI

Size: B Date: 2023-12-30

KiCad E.D.A. kicad 7.0.9-7.0.9~ubuntu23.10.1

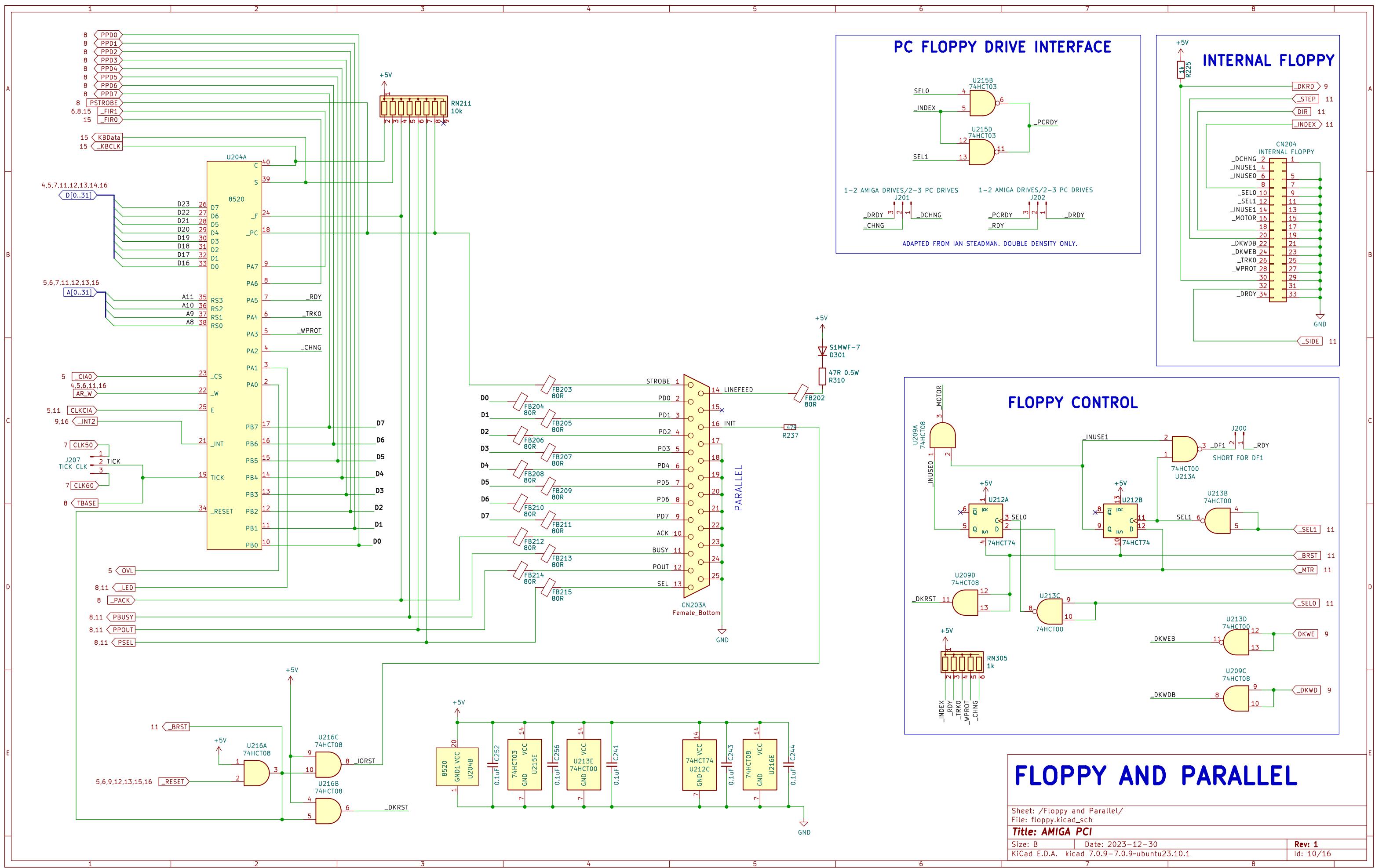
Rev: 1

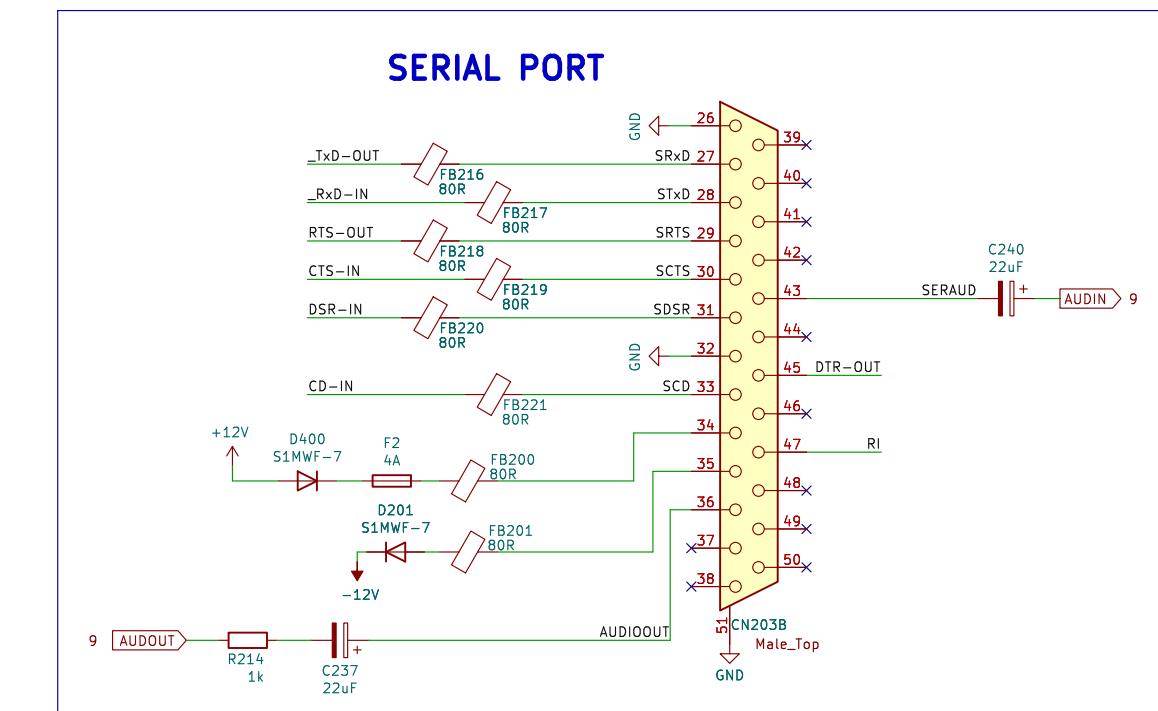
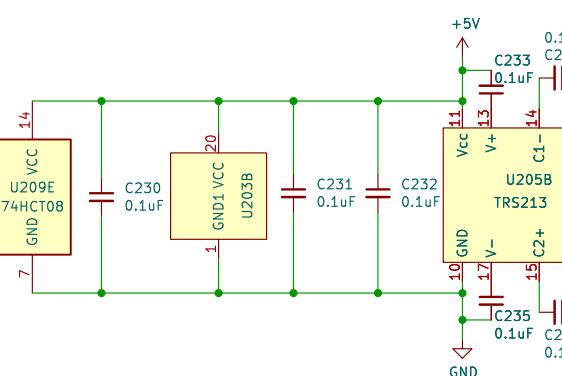
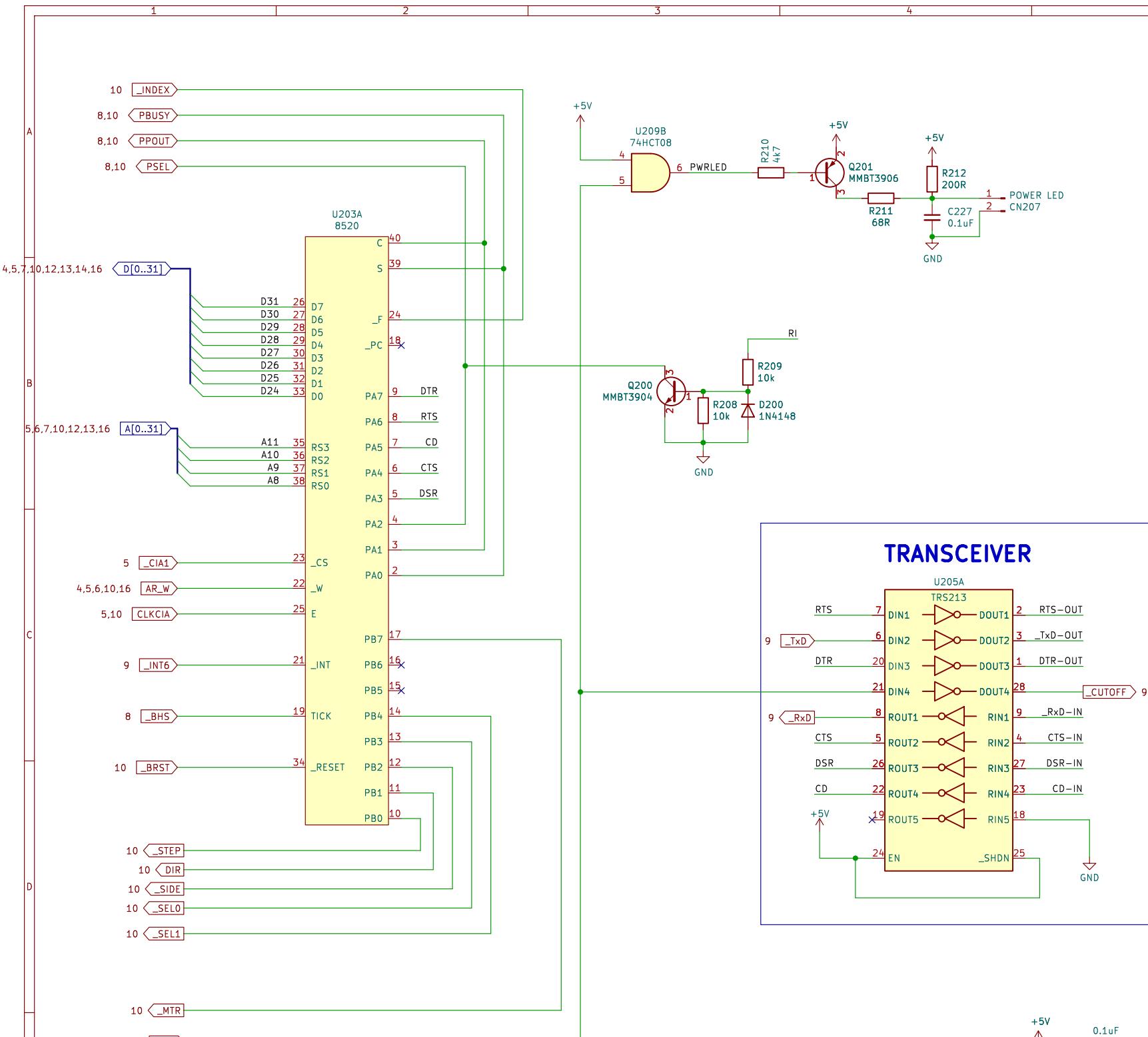
Id: 8/16



PAULA/AUDIO

Sheet: /Audio/
File: audio.kicad_sch
Title: AMIGA PCI
Size: B Date: 2023-12-30
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1 Rev: 1
Id: 9/16





SERIAL

Sheet: /Serial/
File: serial.kicad_sch

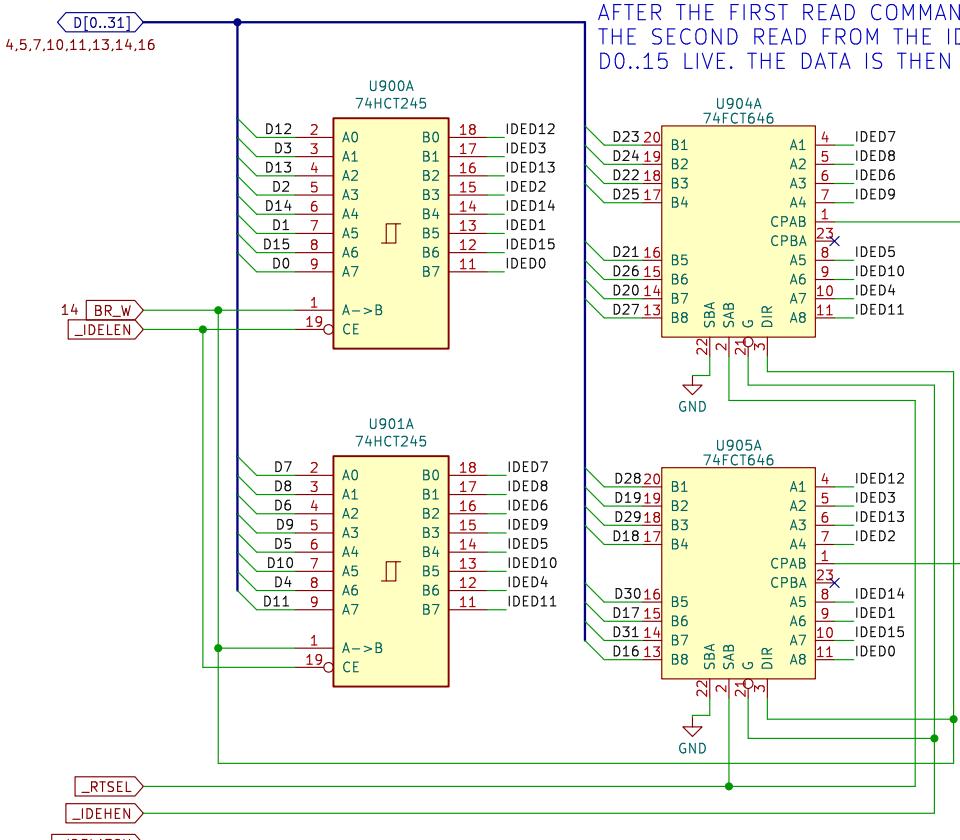
Title: AMIGA PCI

Size: B Date: 2023-12-30

Rev: 1

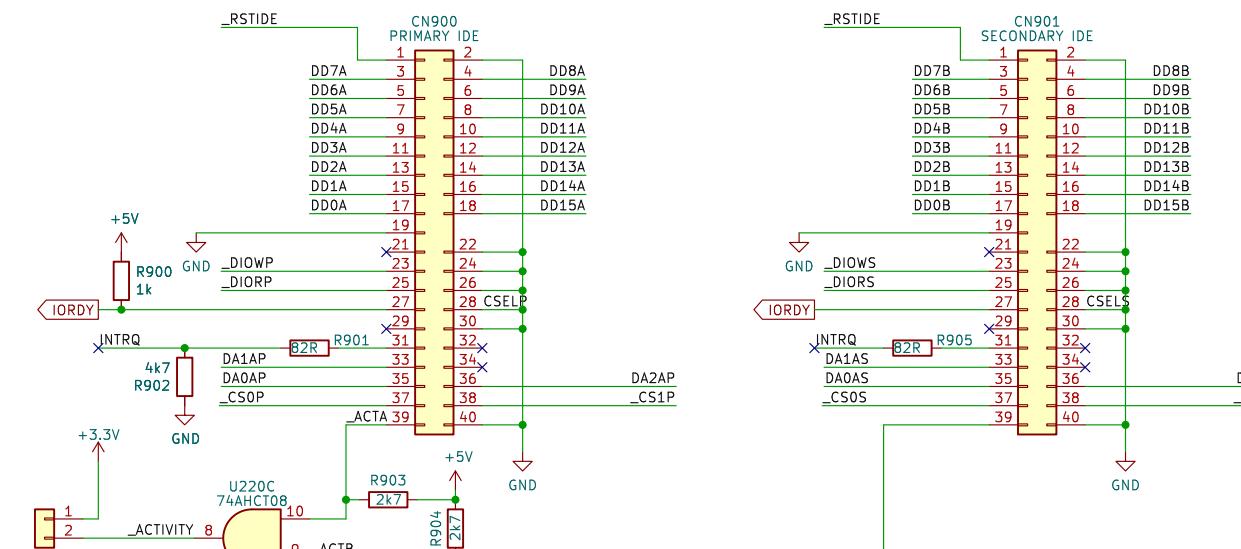
DATA BUFFERS

DURING WRITE CYCLES, ALL DATA IS REAL-TIME.
FOR THE FIRST WRITE COMMAND, D16..31 IS ENABLED.
FOR THE SECOND WRITE COMMAND, D0..15 IS ENABLED.



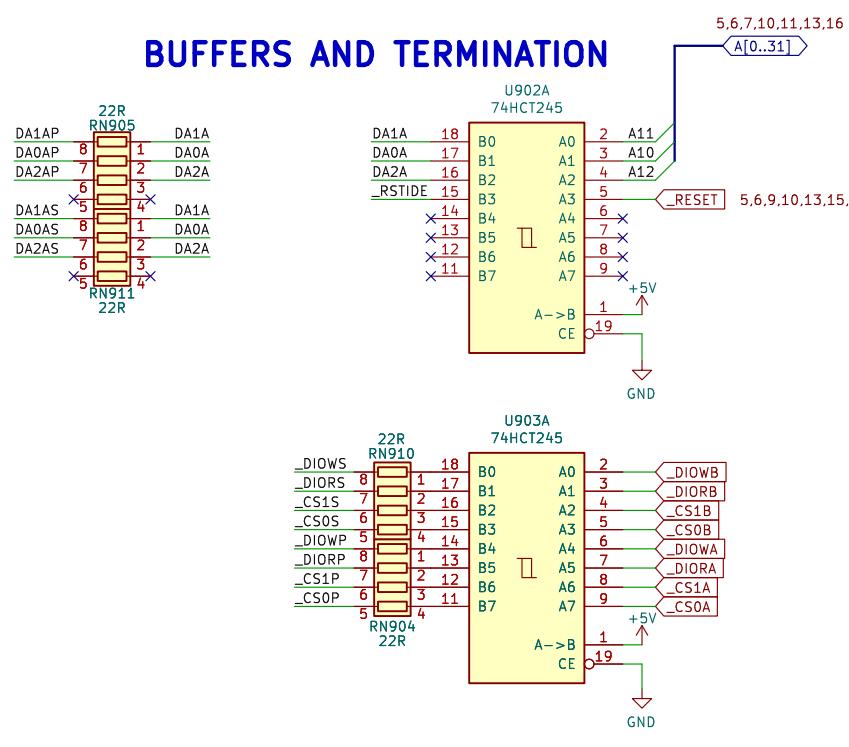
PORTS

BYTE SWAPPED!

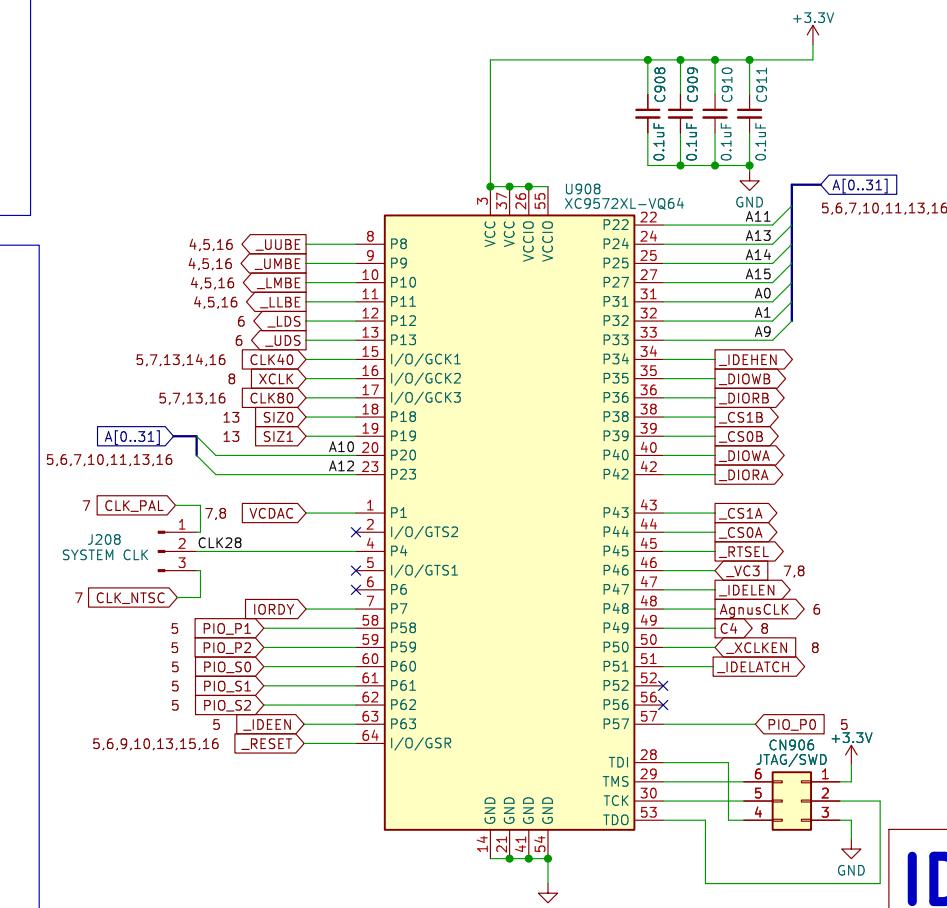
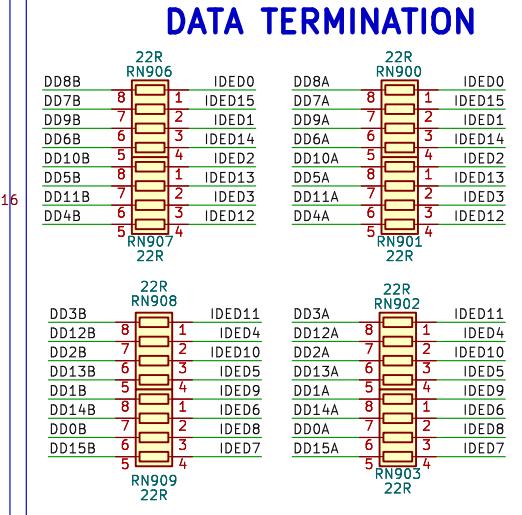


SIGNALS ARE TERMINATED VIA SERIES RESISTORS AS DEFINED
FOR DUAL PORT SYSTEMS IN THE ATAPA/ATA-4 SPECIFICATION.

BUFFERS AND TERMINATION



DATA TERMINATION

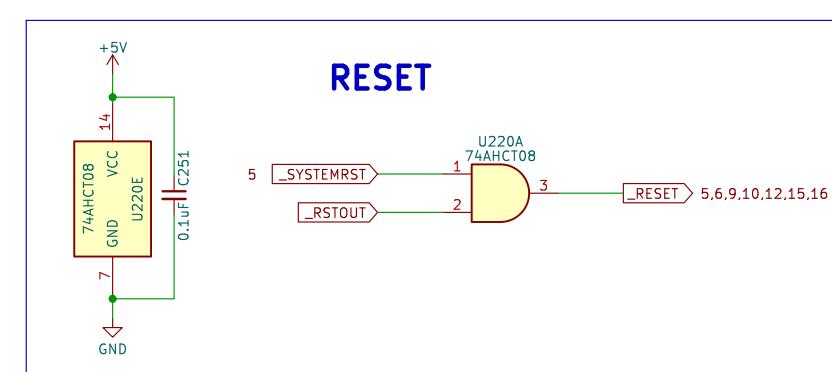
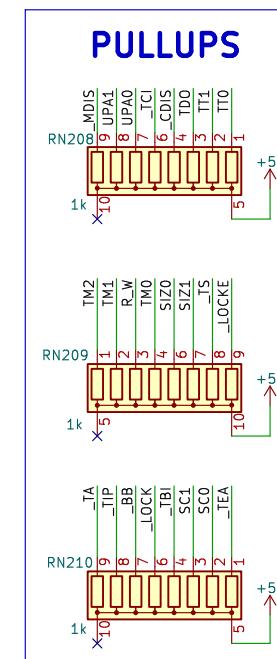
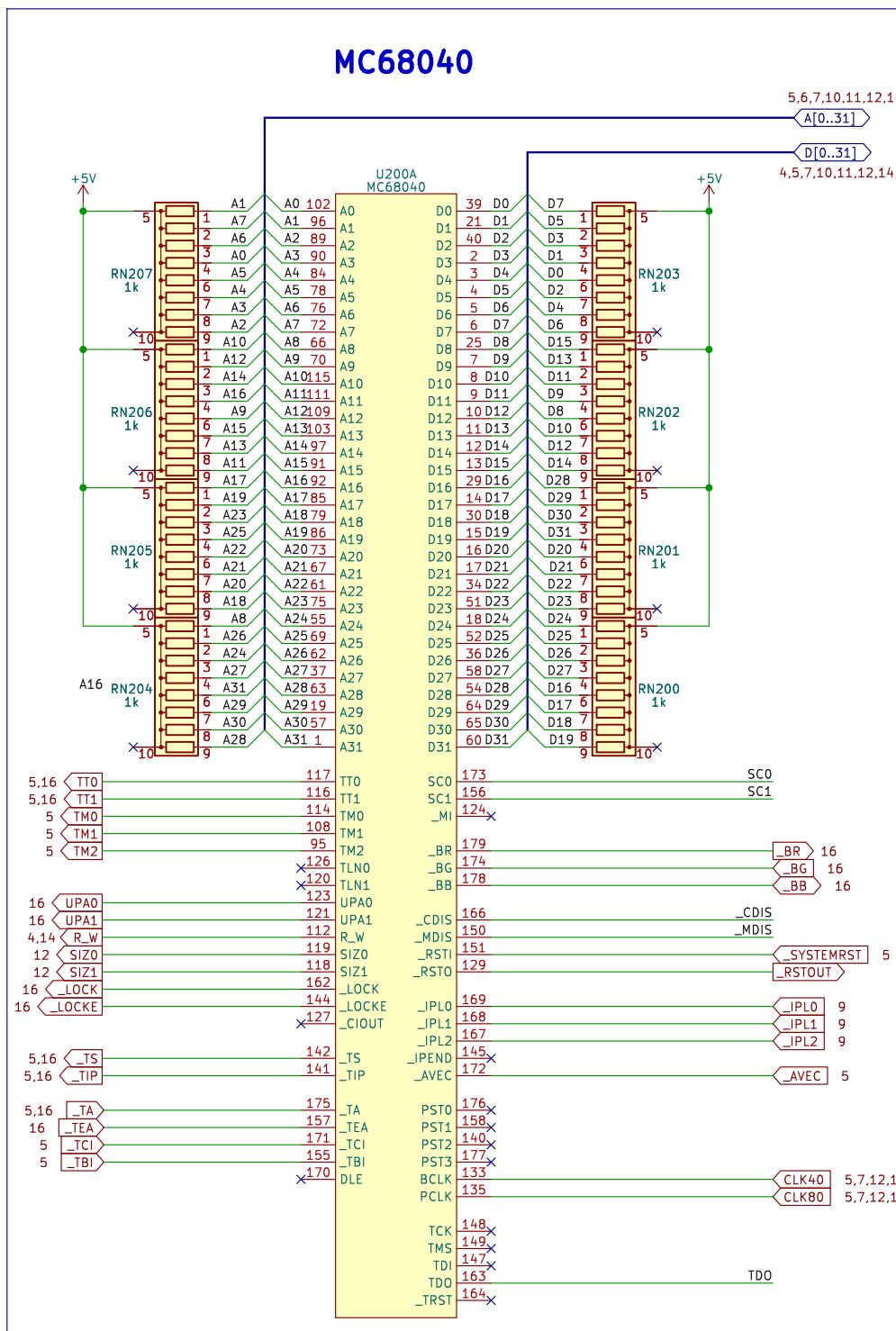
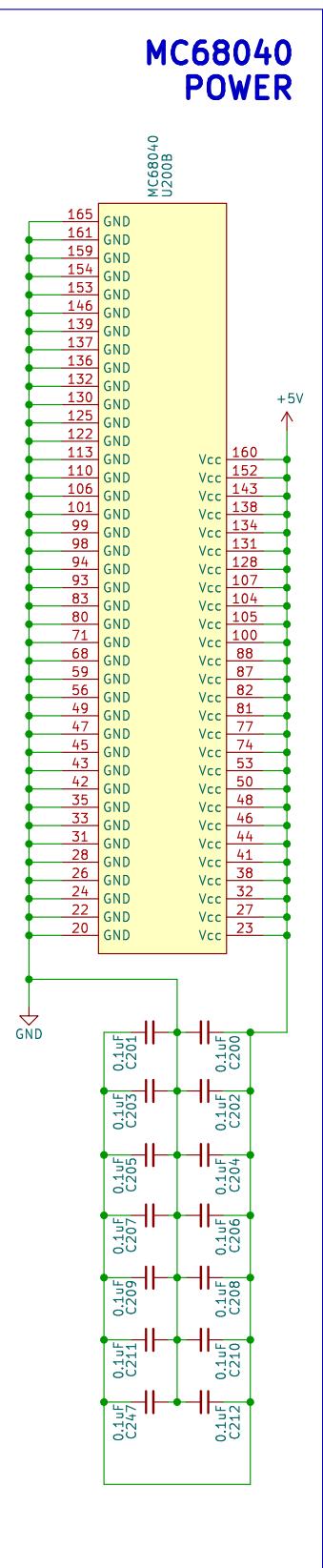


IDE INTERFACE

Sheet: /IDE Interface/
File: IDE.kicad_sch

Title: AMIGA PCI

Size: B	Date: 2023-12-30	Rev: 1
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1		Id: 12/16



CPU

Sheet: /CPU/
File: cpu.kicad_sch

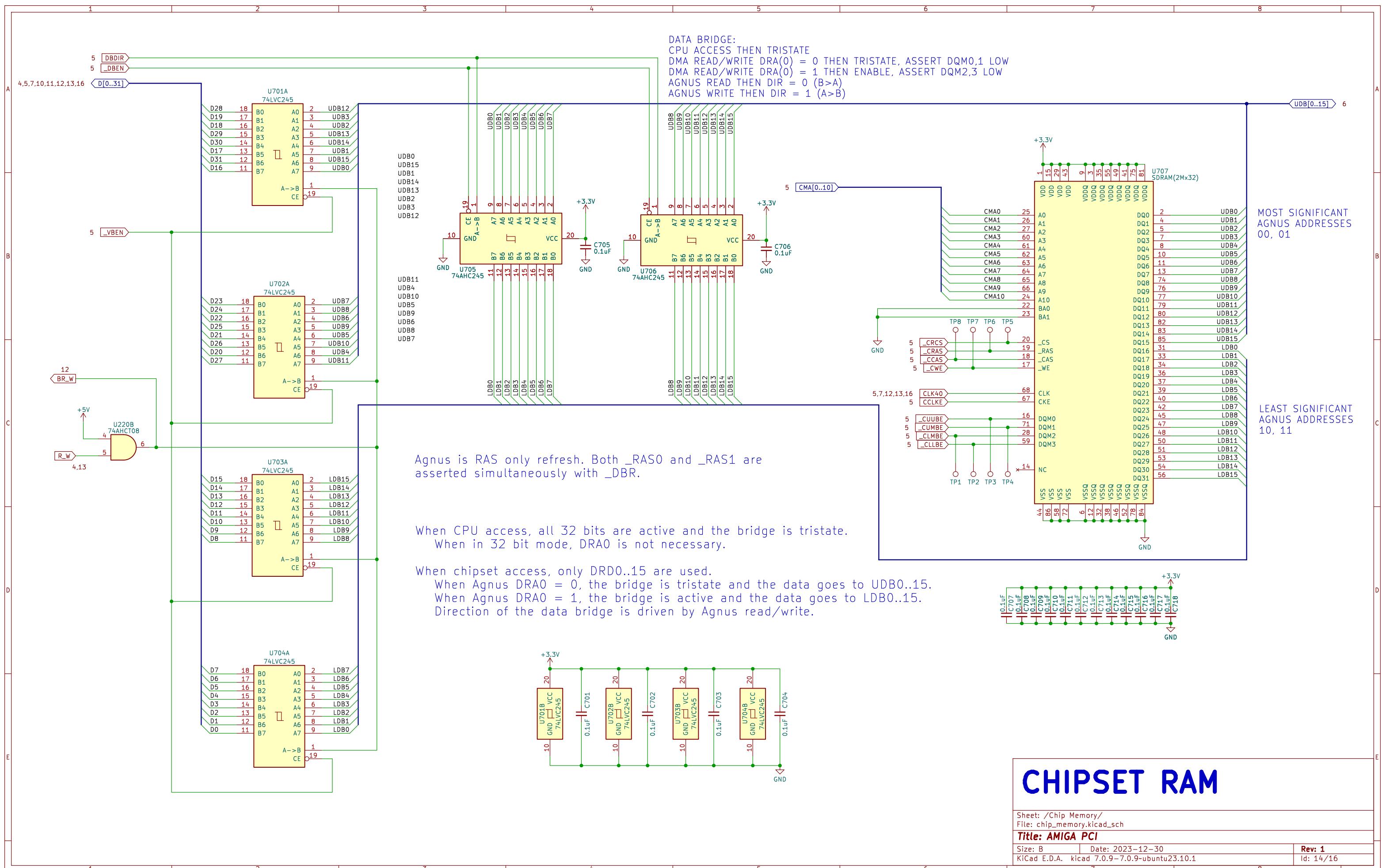
Title: AMIGA PCI

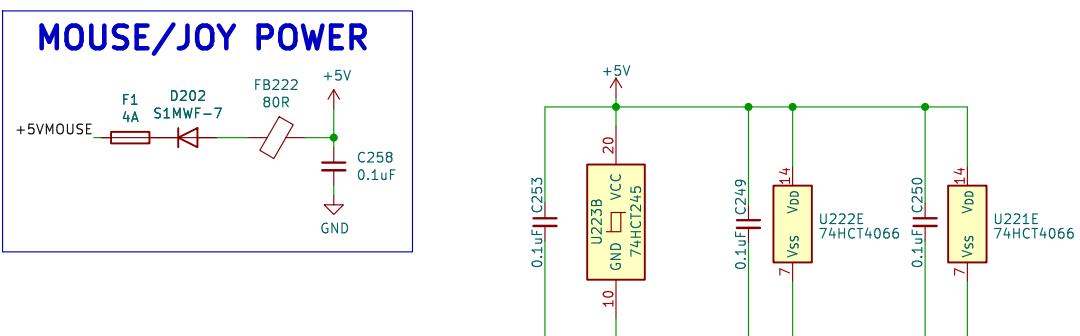
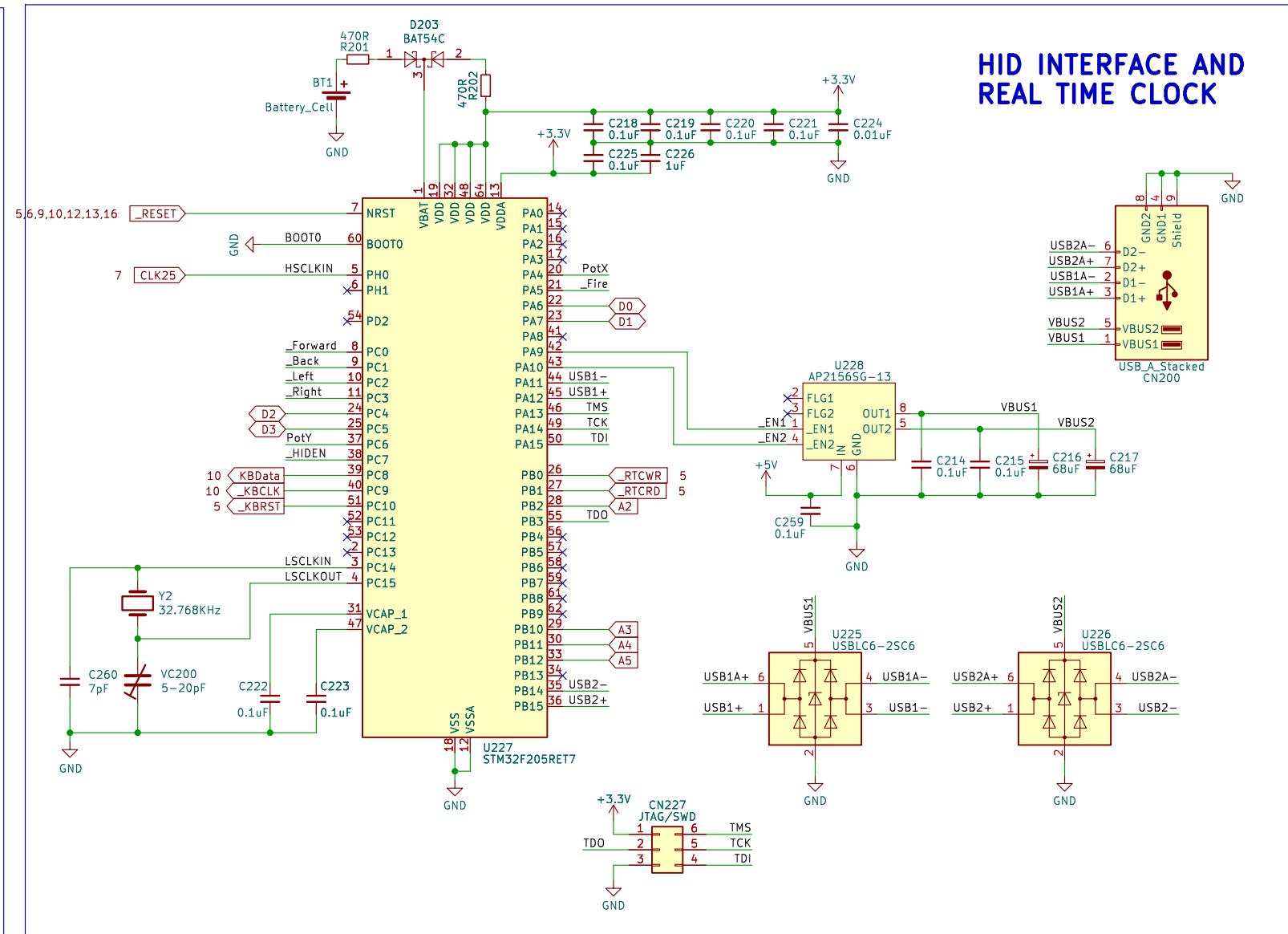
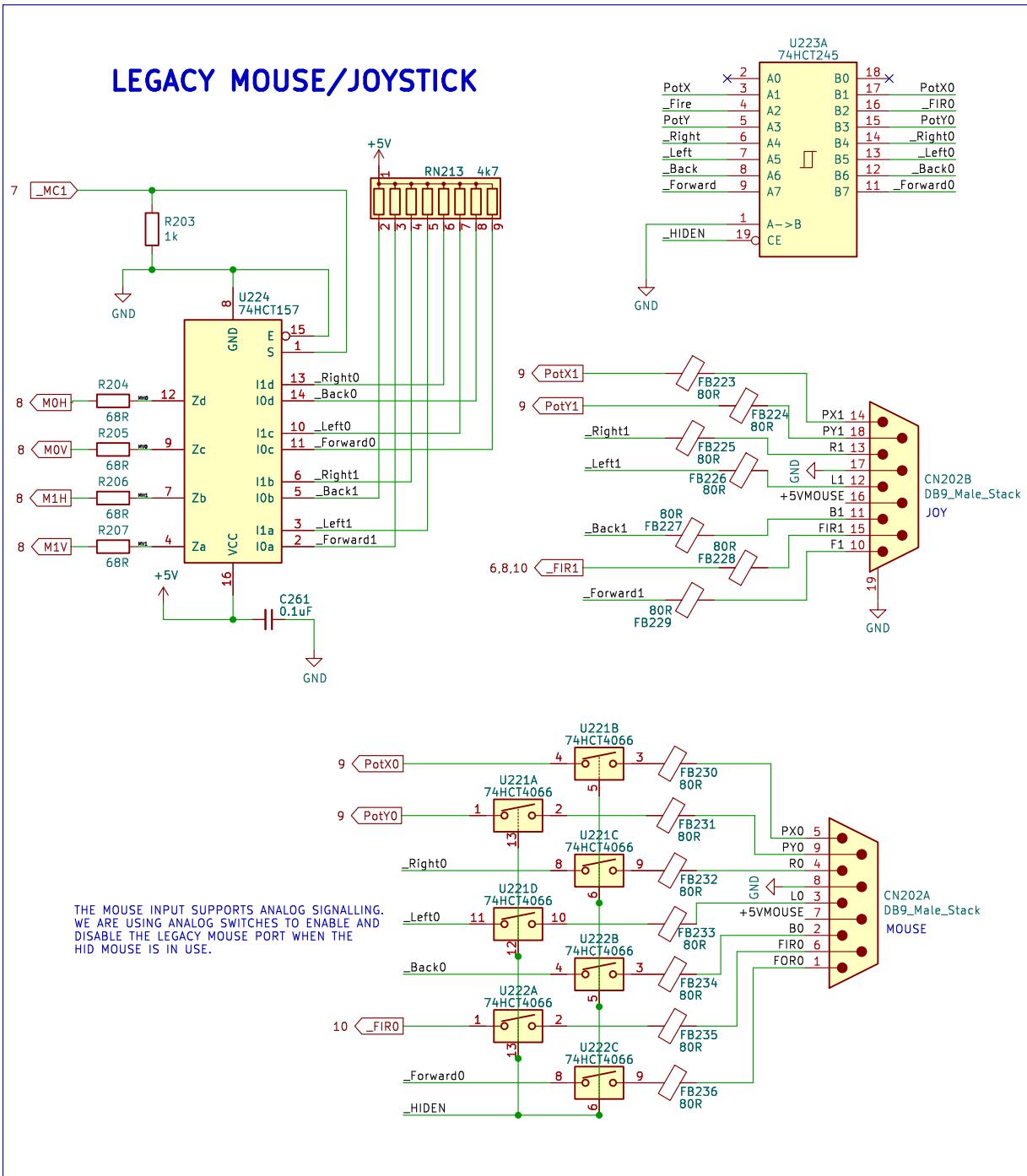
Size: B Date: 2023-12-30
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1

Rev: 1
Id: 13/16

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

ALTERNATE HEATSINK:
BDN18-6CB/A01





HID and USER PORTS

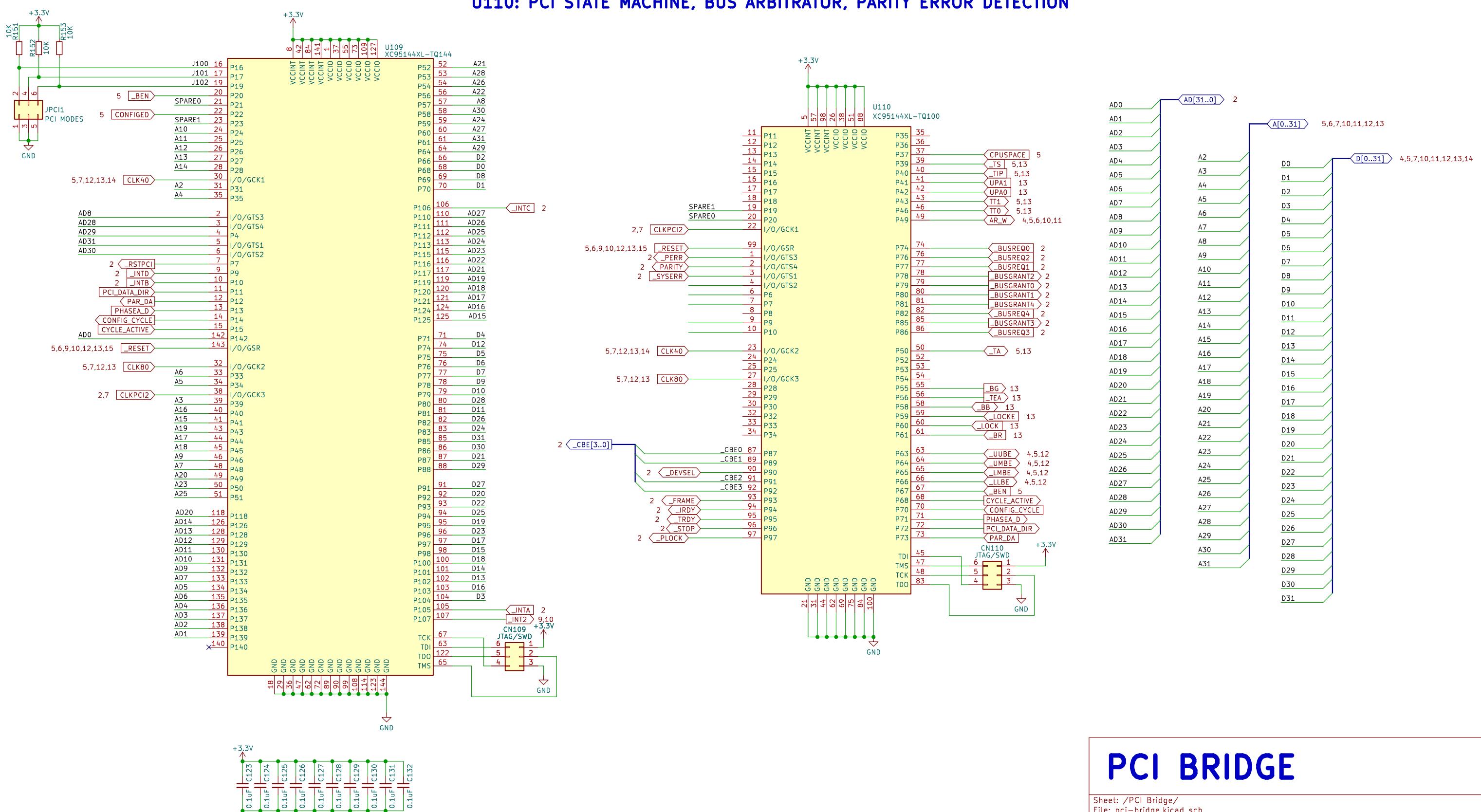
Sheet: /HID and User Ports/
File: hid.kicad_sch

Title: AMIGA PCI

Size: B	Date: 2023-12-30	Rev: 1
KiCad E.D.A.	kicad 7.0.9-7.0.9-ubuntu23.10.1	Id: 15/16

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

U110: PCI STATE MACHINE, BUS ARBITRATOR, PARITY ERROR DETECTION



PCI BRIDGE

Sheet: /PCI Bridge/
File: pci-bridge.kicad_sch
Title: AMIGA PCI

Size: B Date: 2023-12-30
KiCad E.D.A. kicad 7.0.9-7.0.9-ubuntu23.10.1

Rev: 1
Id: 16/16