

A

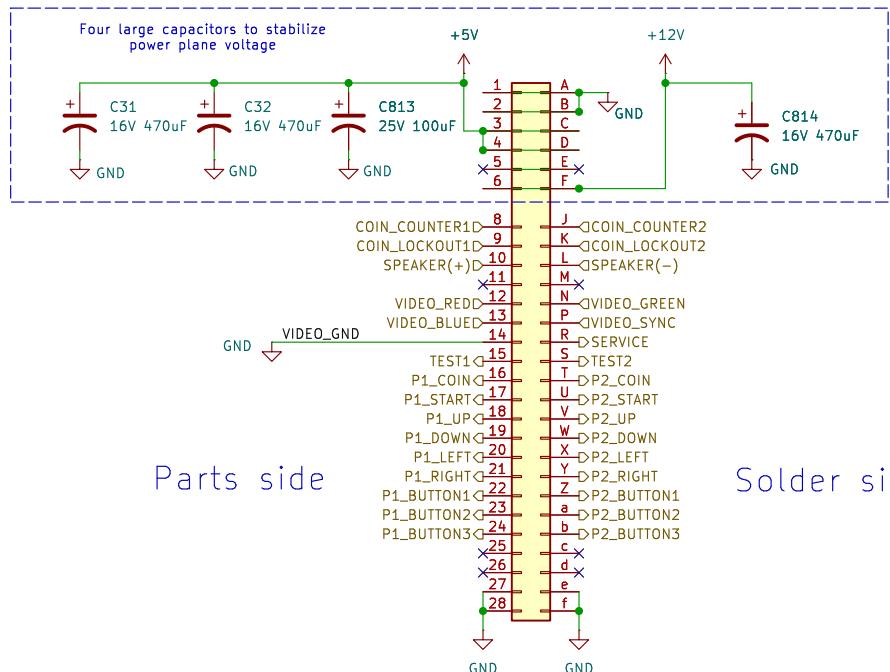
A

B

B

Parts side

Solder side



E

E

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Author: Brandon Arnold

Coin-Op Collection

Sheet: /JAMMA/

File: jamma.kicad_sch

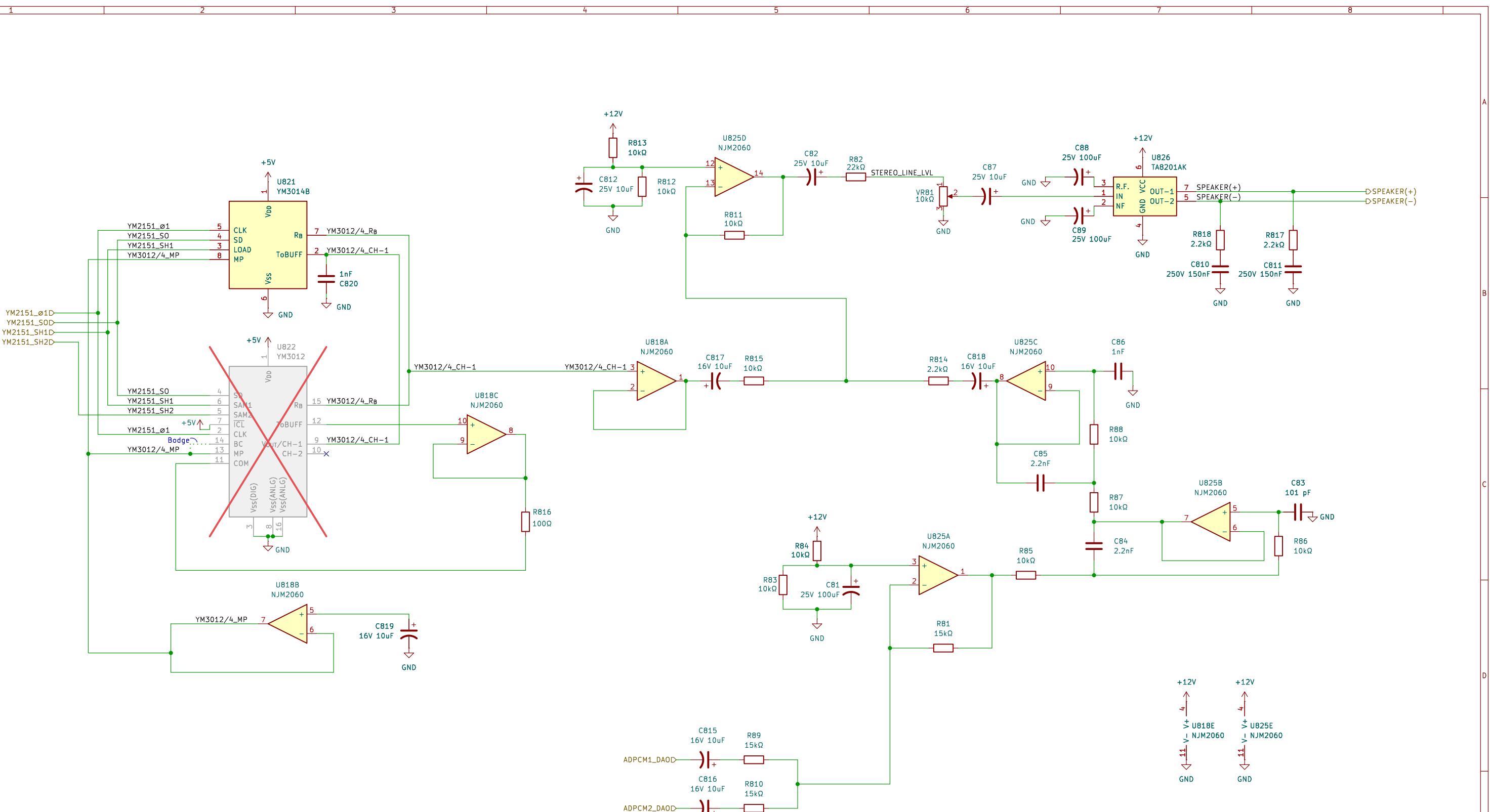
Title: RA9704, JAMMA

Size: A Date: 2024-12-29

KiCad E.D.A. 8.0.6

Rev: 002

Id: 2/15



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Author: Brandon Arnold

Coin-Op Collection

Sheet: /Audio Amplifier/

File: audio-amplifier.kicad_sch

Title: RA9704, Audio Amplifier

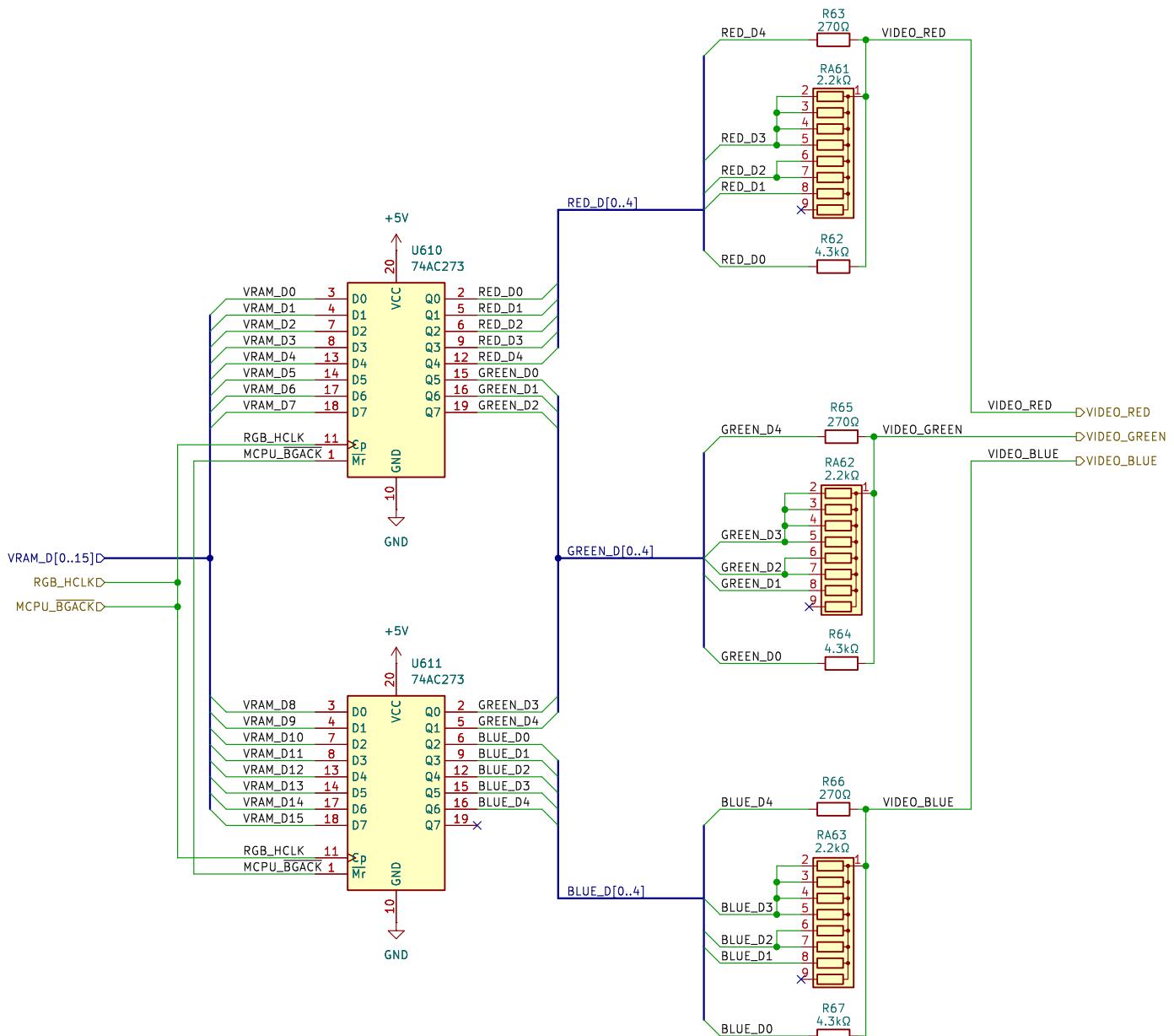
Size: B Date: 2024-12-29

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Rev: 002

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Voltage-mode binary-weighted resistor DAC
see B. B. Smith, "Coding by Feedback Methods,"
Proceedings of the I. R. E., Vol. 41



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Sheet: /RGB DAC/

File: rgb-dac.kicad_sch

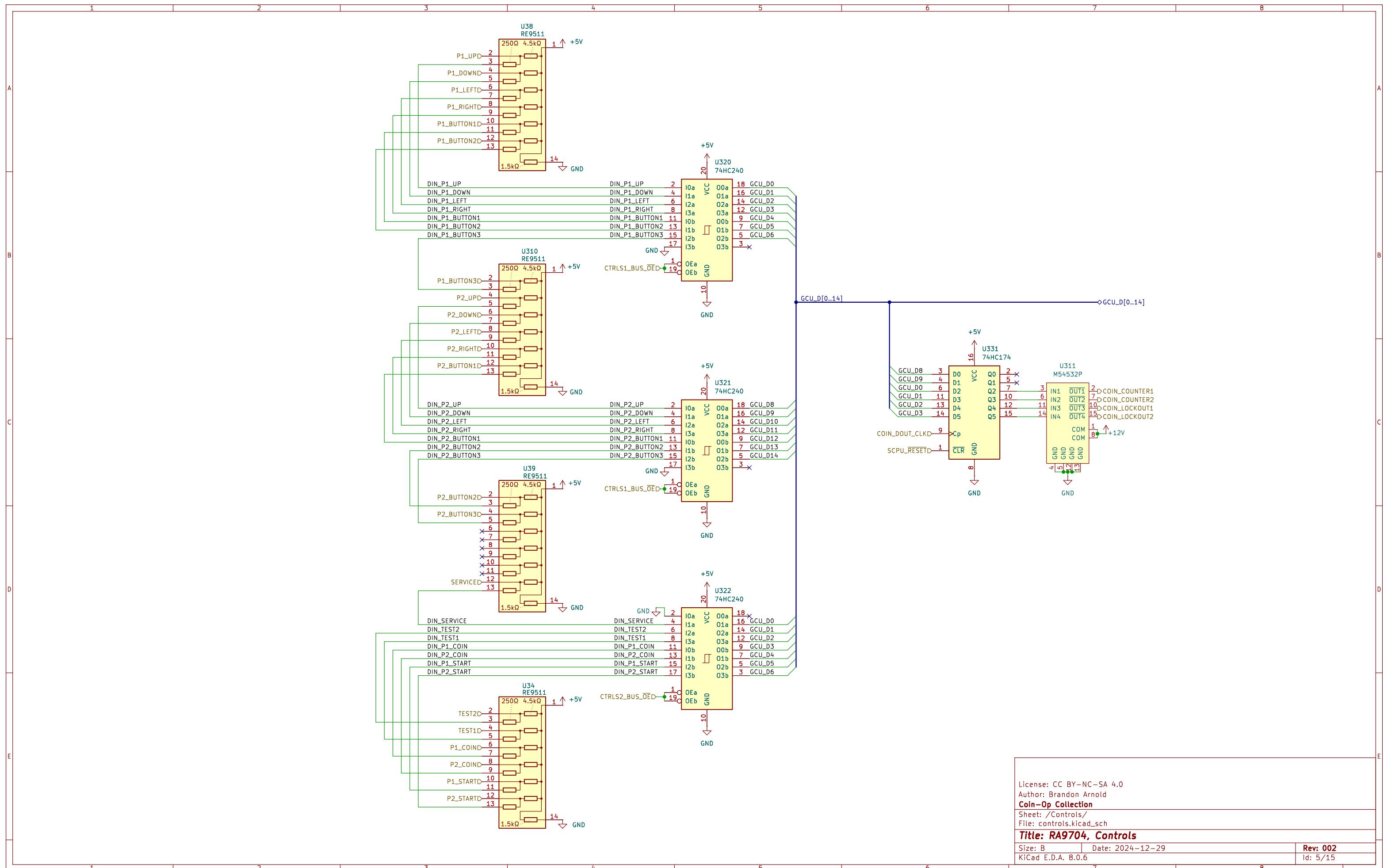
Title: RA9704, RGB DAC

Size: A Date: 2024-12-29

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Rev: 002

Id: 4/15



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Author: Brandon Arnold

Coin-Op Collection

Sheet: /Controls/

File: controls.kicad_sch

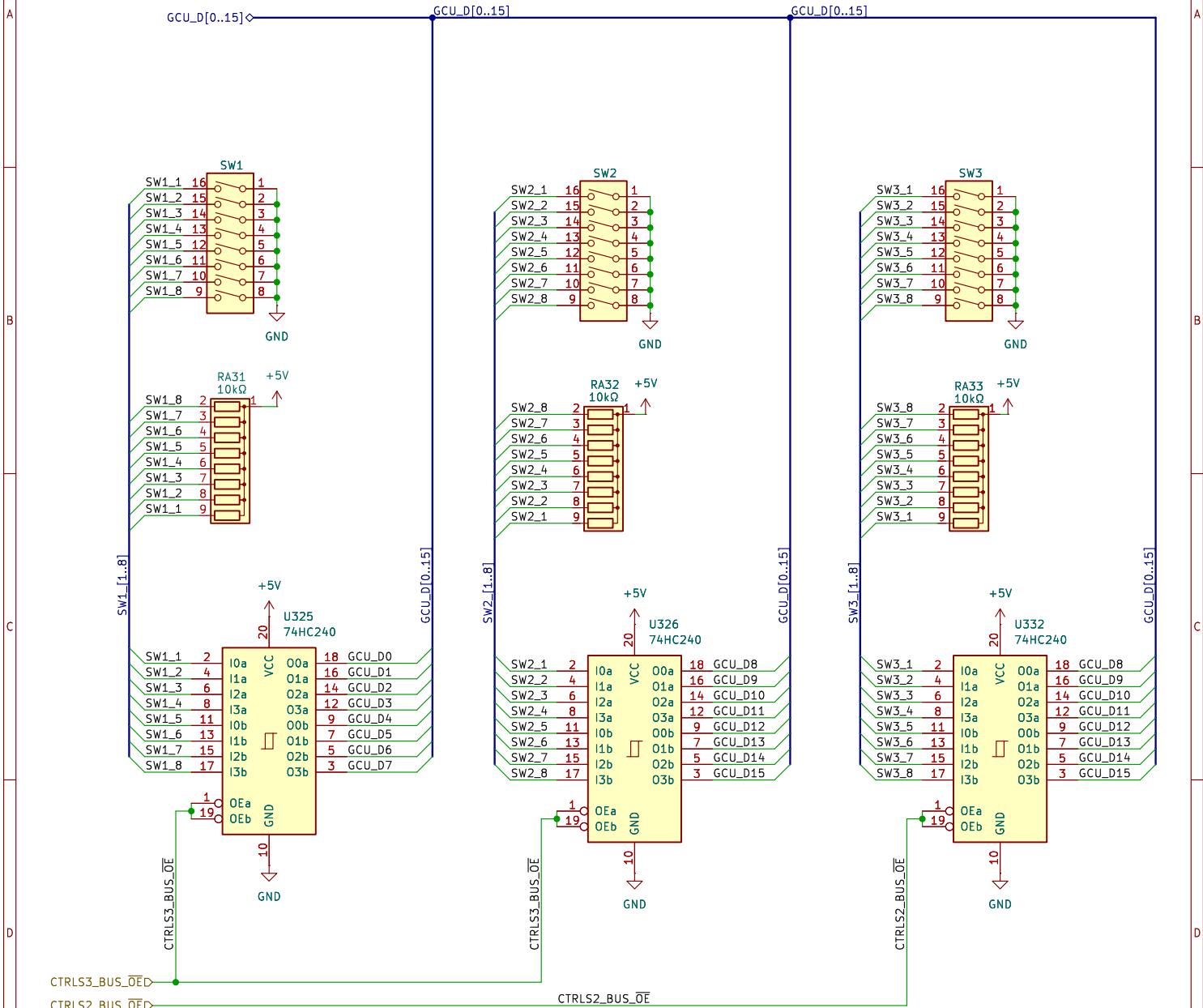
Title: RA9704, Controls

Size: B Date: 2024-12-29

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Id: 5/15



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Author: Brandon Arnold

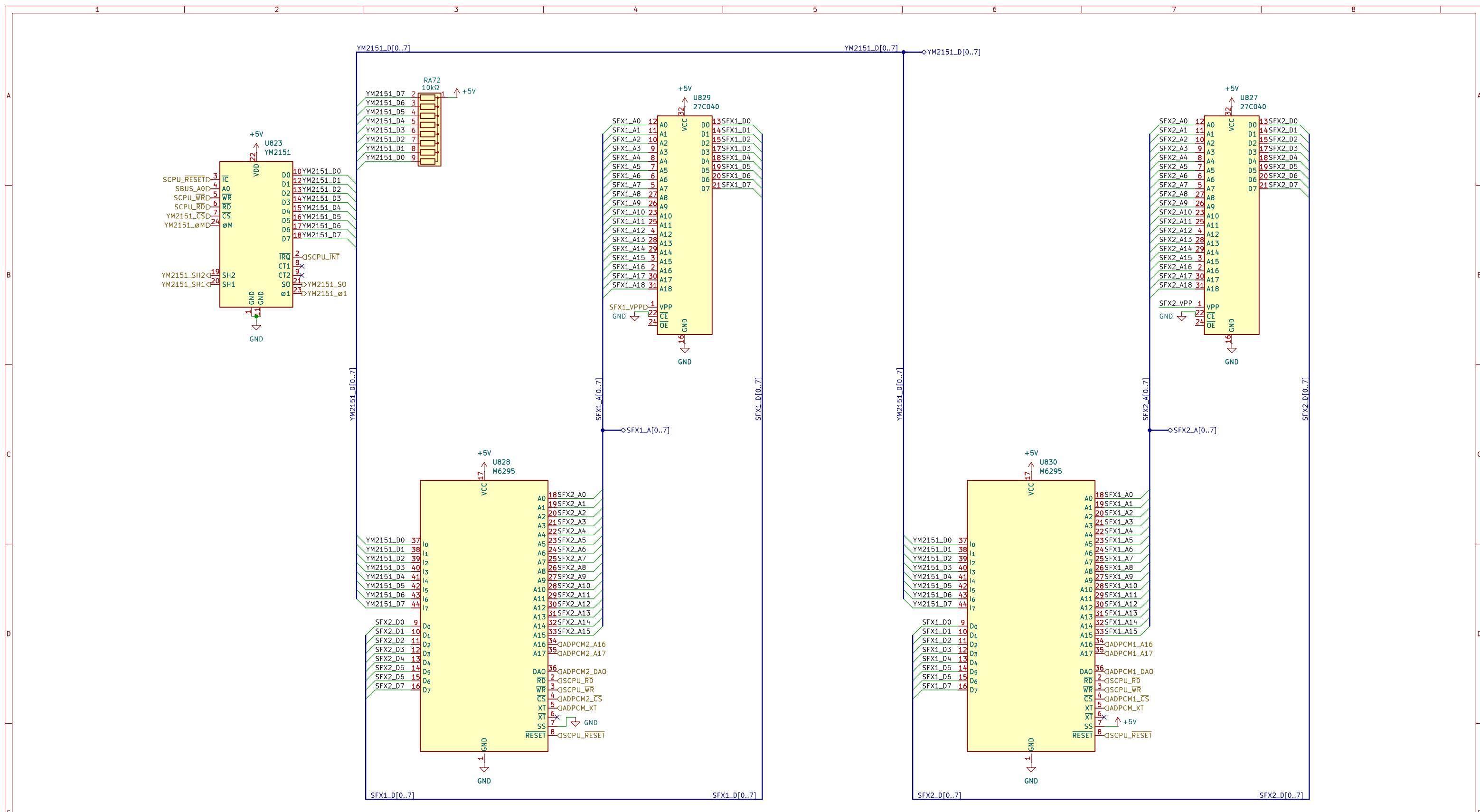
Coin-Op CollectionSheet: /DIP Switches/
File: dip-switches.kicad_sch**Title: RA9704, DIP Switches**

Size: A Date: 2024-12-29

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Rev: 002

Id: 6/15



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Sheet: /Audio DAC, SFX Roms/

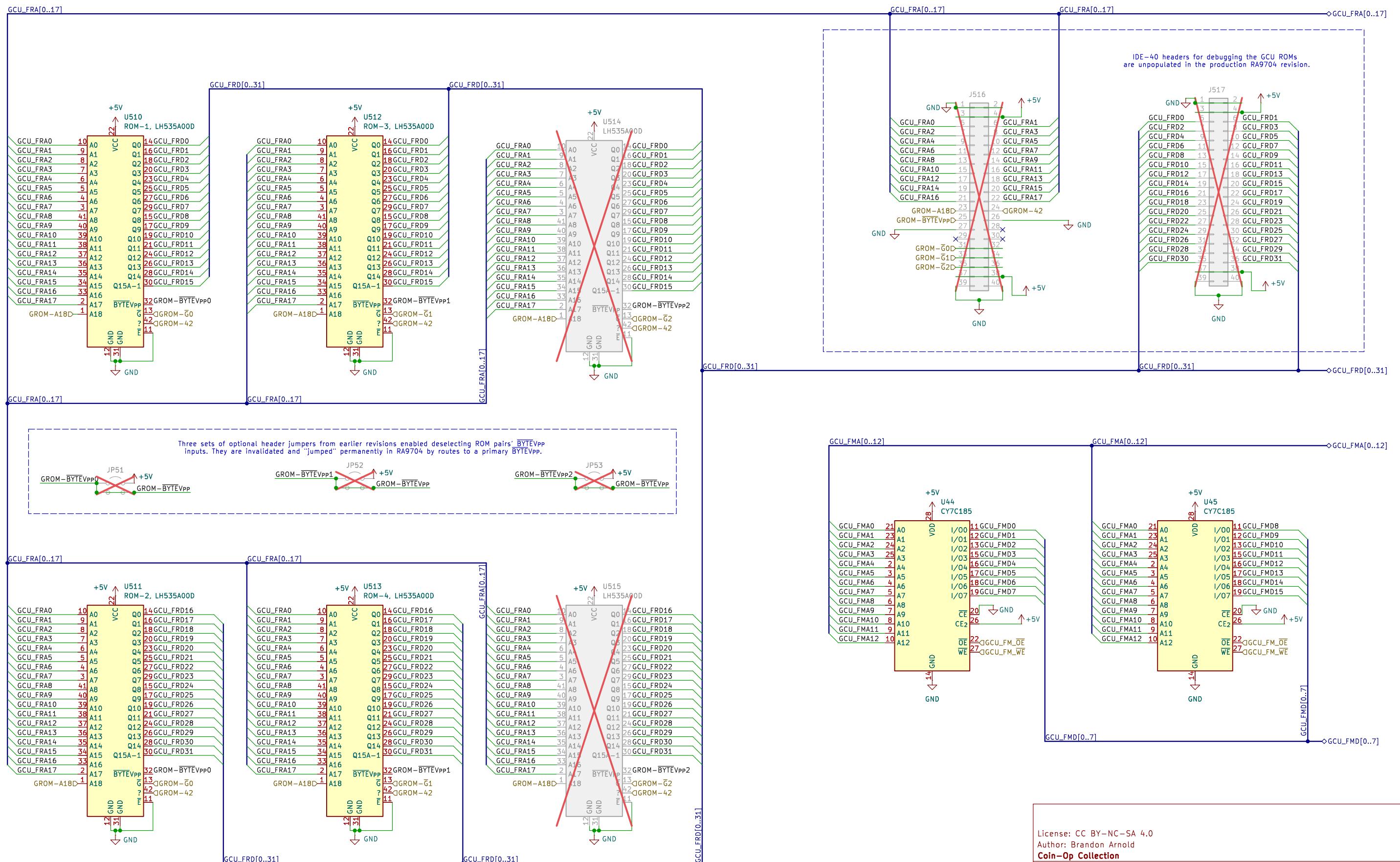
File: audio-dac-sfx-roms.kicad_sch

Title: RA9704, Audio DAC and Sound Effect ROMs

Size: B Date: 2024-12-29

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7 8



Author: Brandon Arnold

Spin-Op Collection

meet: /GCU_F ROM and RAM

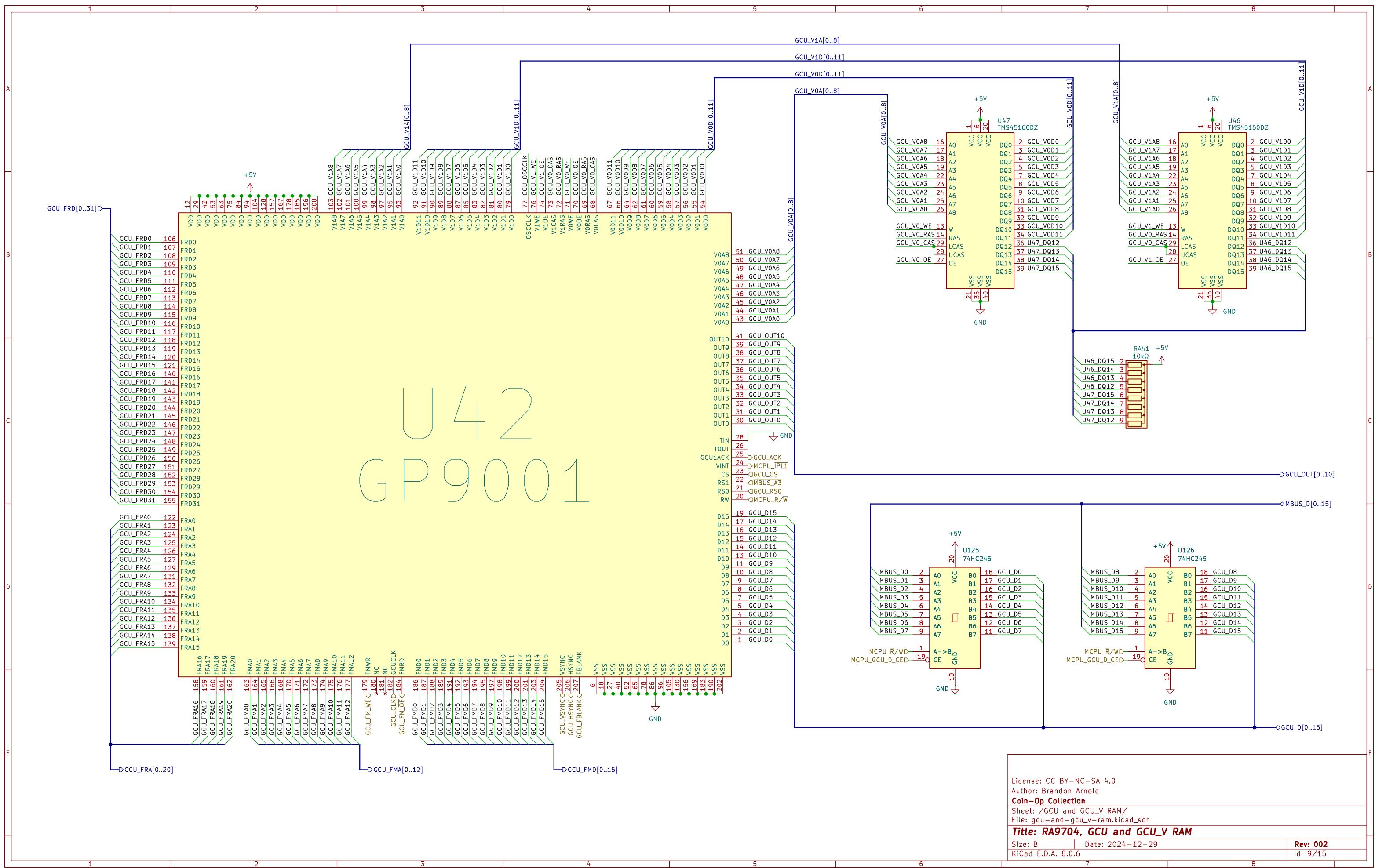
File: gcu_f-rom-and-ram.kicad_sch

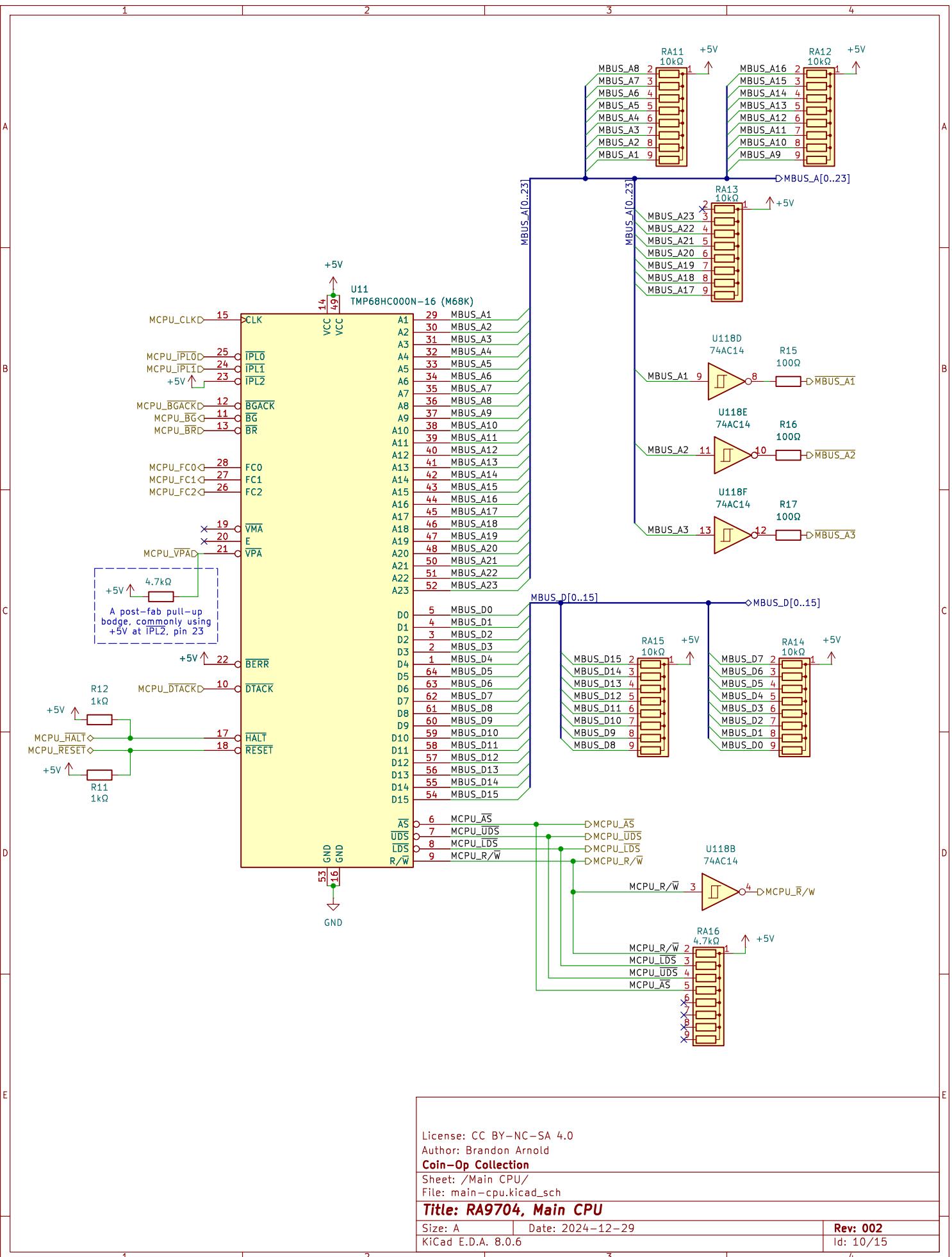
Title: RA9704, GCU_F ROM and

ze: B Date: 2024-12-29

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7





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Sheet: /Main CPU/

File: main-cpu.kicad_sch

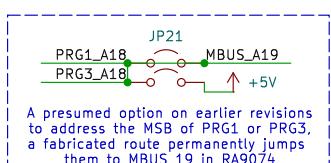
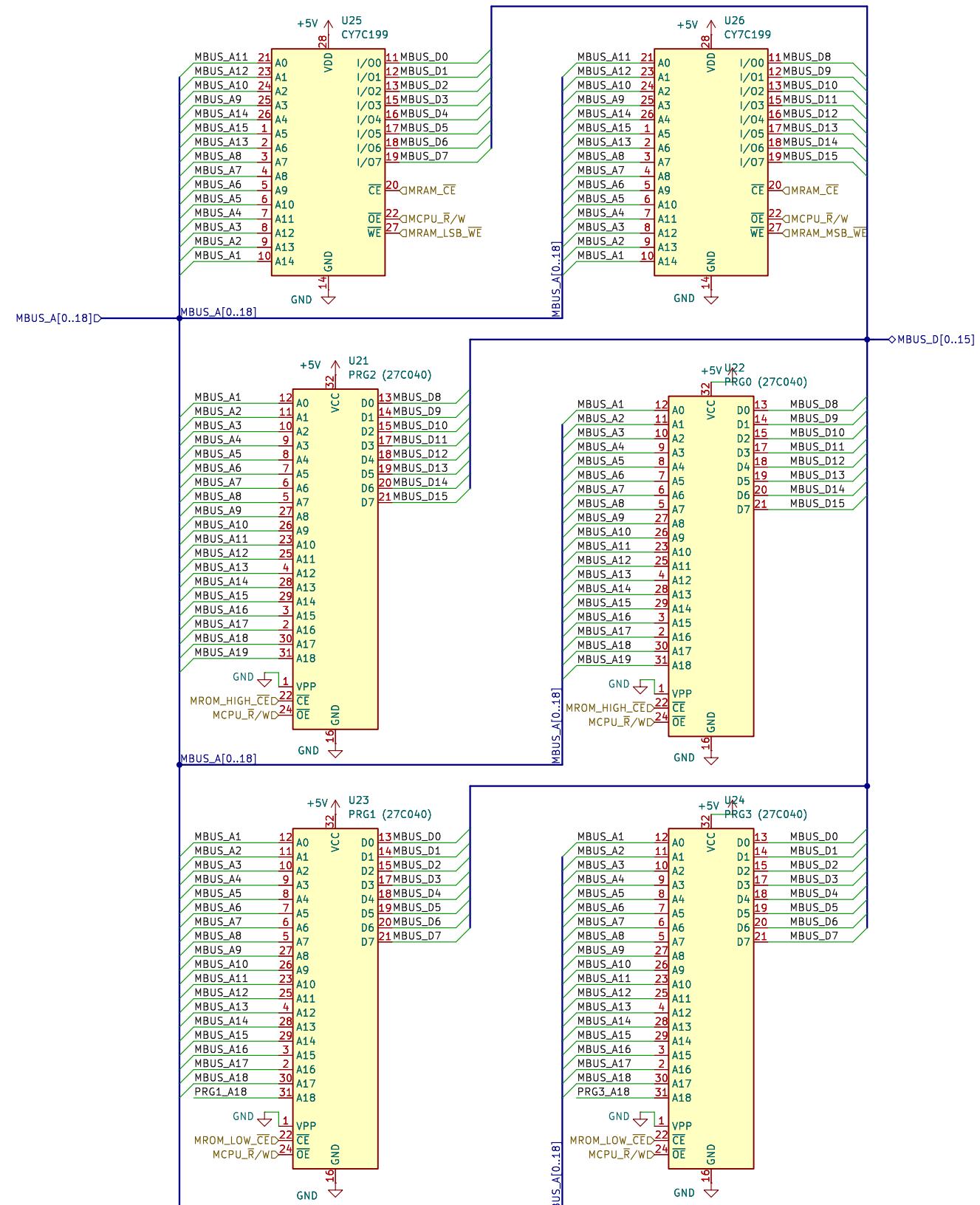
Title: RA9704, Main CPU

Size: A Date: 2024-12-29

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Rev: 002

Id: 10/15



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Sheet: /Main RAM and ROM/
File: main-ram-and-rom.kicad_sch

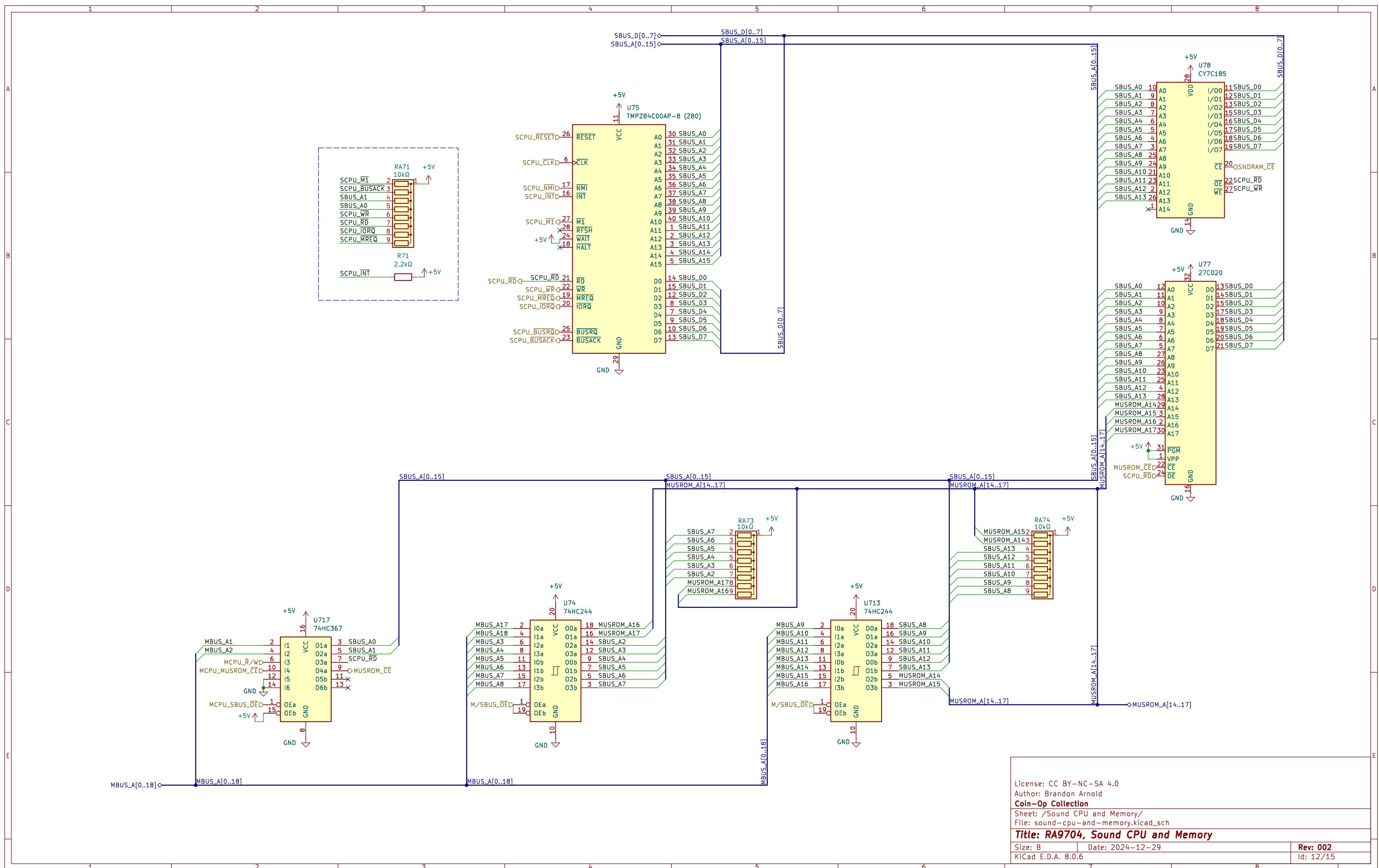
Title: RA9704, Main RAM and ROM

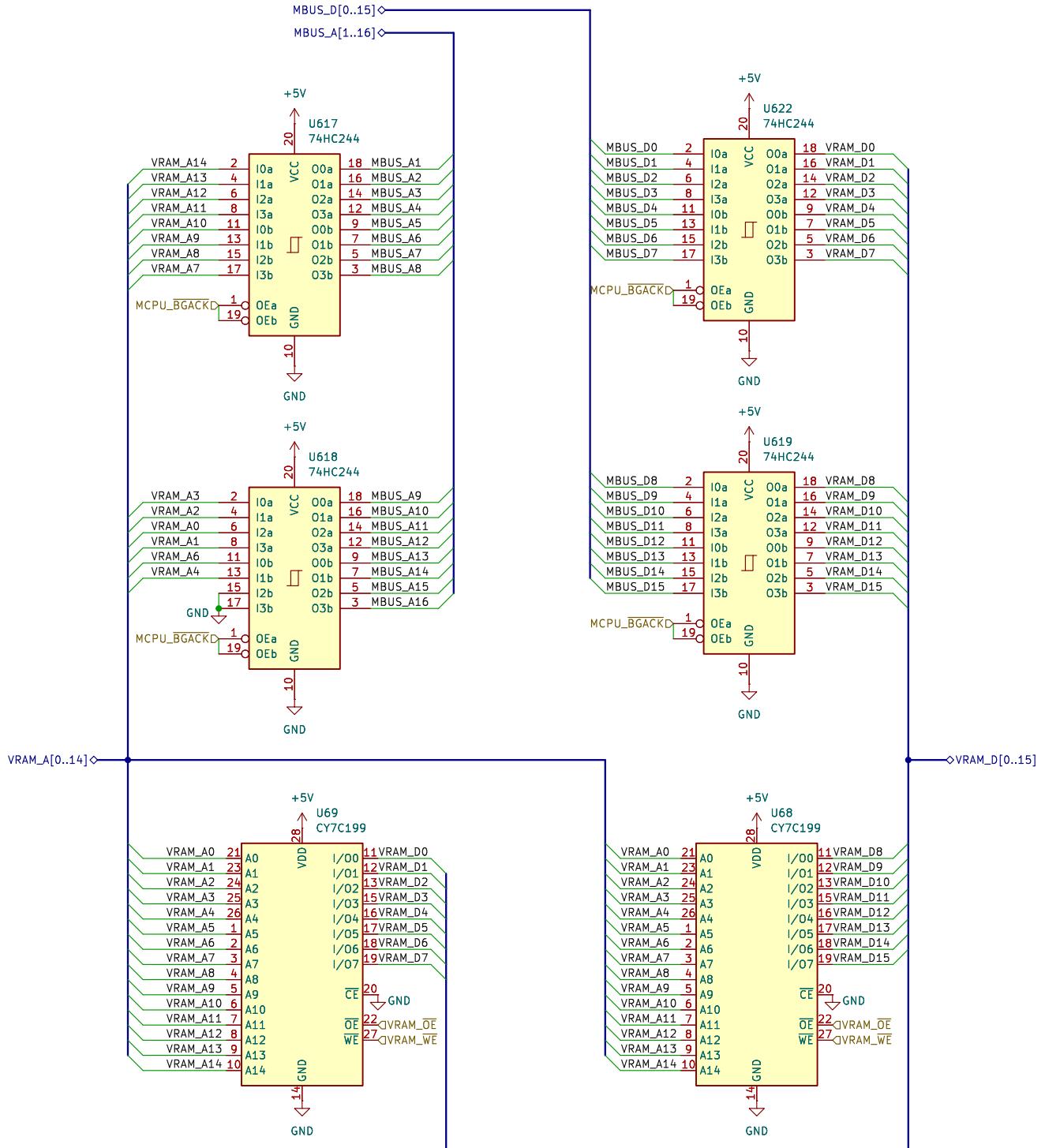
Size: A Date: 2024-12-29

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Rev: 002

Id: 11/15





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Sheet: /Video RAM/

File: video-ram.kicad_sch

Title: RA9704, Video RAM

Size: A Date: 2024-12-29

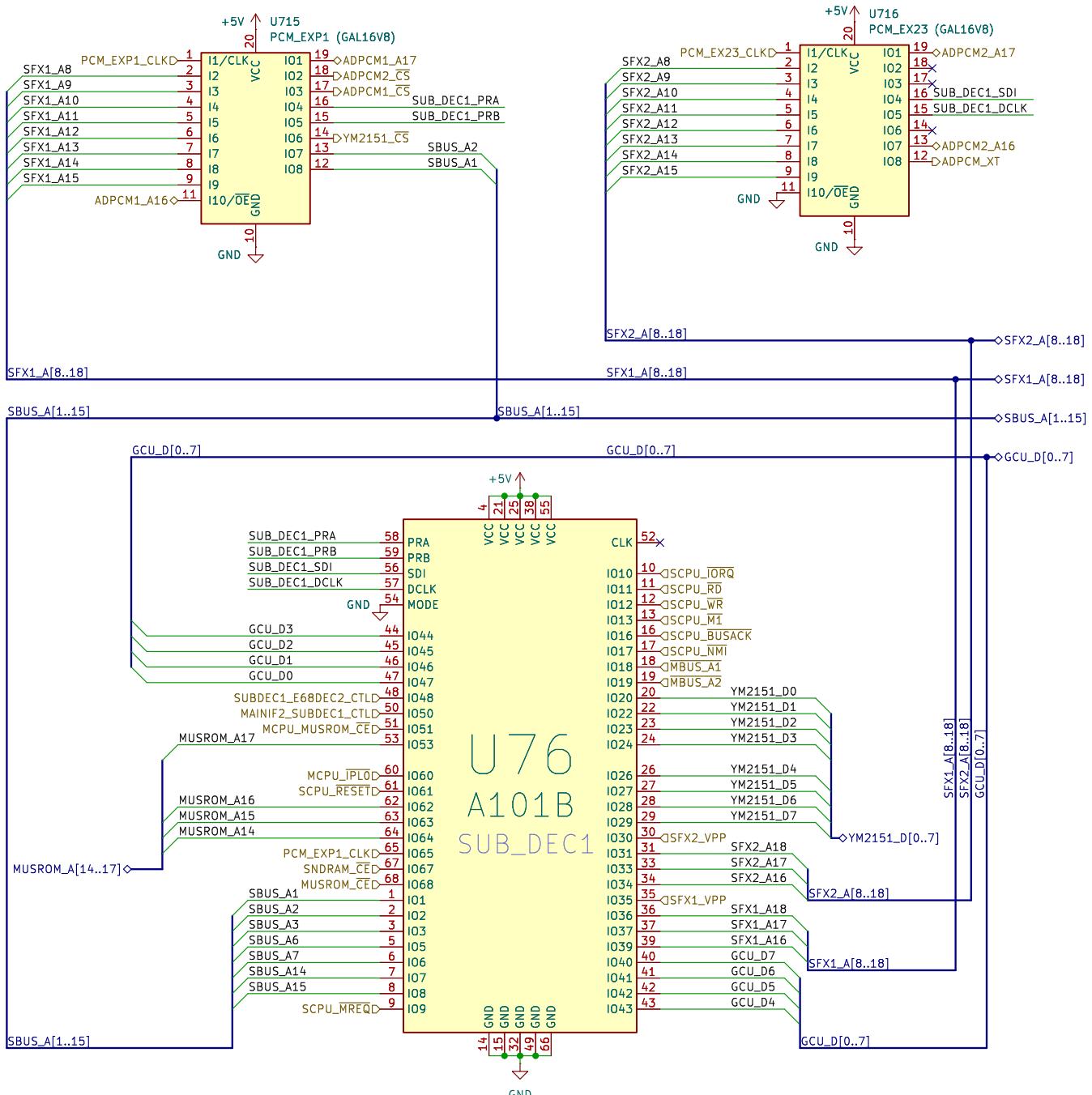
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Rev: 002

Id: 13/15

A

A



B

B

C

C

D

D

E

E

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Author: Brandon Arnold

Coin-Op CollectionSheet: /Sound IC and Bus Mgmt/
File: sound-ic-bus-mgmt.kicad_sch**Title: RA9704, Sound IC and Bus Mgmt**

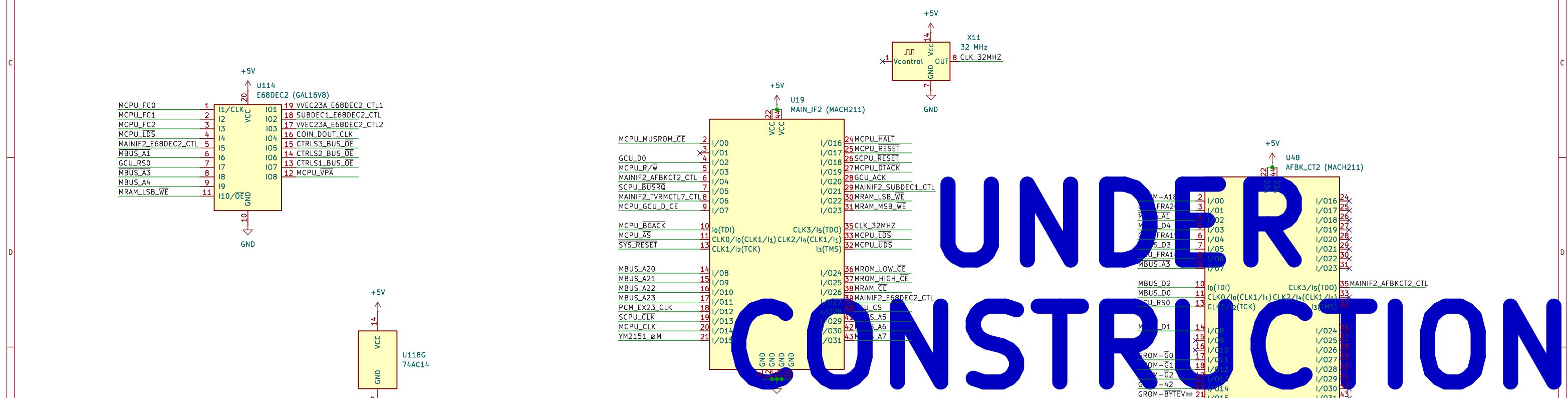
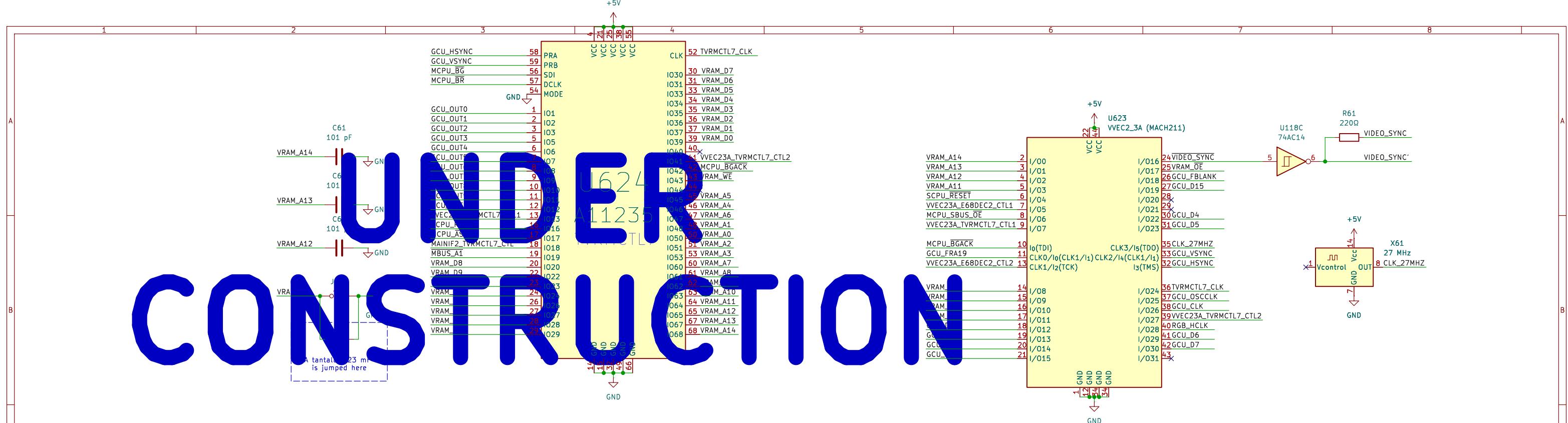
Size: A Date: 2024-12-29

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Rev: 002

Id: 14/15

UNDER CONSTRUCTION



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Author: Brandon Arnold

Coin-Op Collection

Sheet: /Main IC and Bus Mgmt/

File: main-ic-bus-mgmt.kicad_sch

Title: RA9704, Main IC and Bus Mgmt

Size: B Date: 2024-12-29

KiCad E.D.A. 8.0.6

Rev: 002

Id: 15/15