

License: CC BY-NC-SA 4.0

Author: Brandon Arnold

## Coin-Op Collection

Sheet: /

File: ra9704.kicad\_sch

Title: RA9704, System Diagram

Size: B Date: 2024-12-30

KiCad E.D.A. 8.0.6

7

A

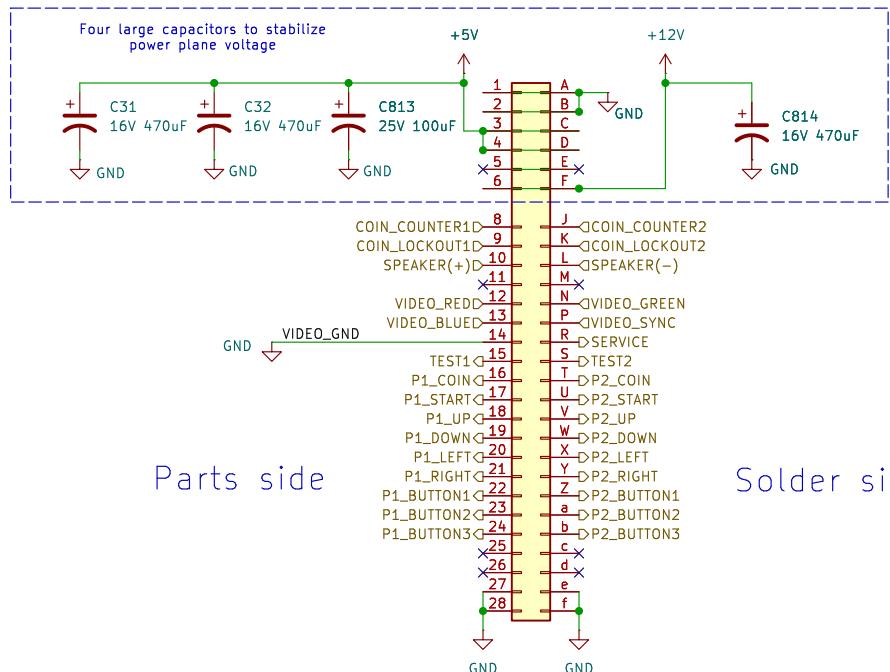
A

B

B

Parts side

Solder side



D

D

E

E

License: CC BY-NC-SA 4.0

Author: Brandon Arnold

**Coin-Op Collection**

Sheet: /JAMMA/

File: jamma.kicad\_sch

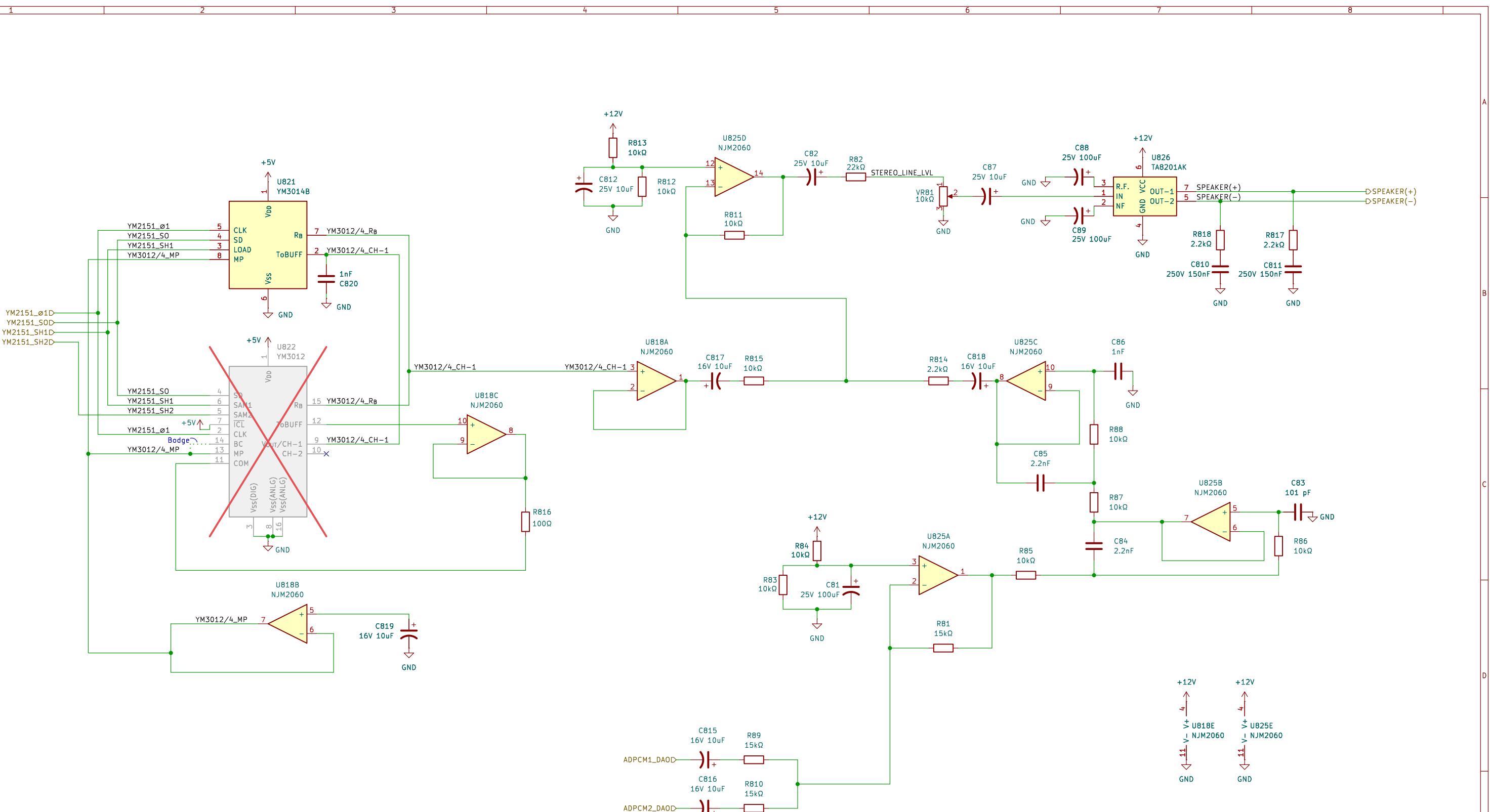
**Title: RA9704, JAMMA**

Size: A Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 2/15



License: CC BY-NC-SA 4.0

Author: Brandon Arnold

Coin-Op Collection

Sheet: /Audio Amplifier/

File: audio-amplifier.kicad\_sch

Title: RA9704, Audio Amplifier

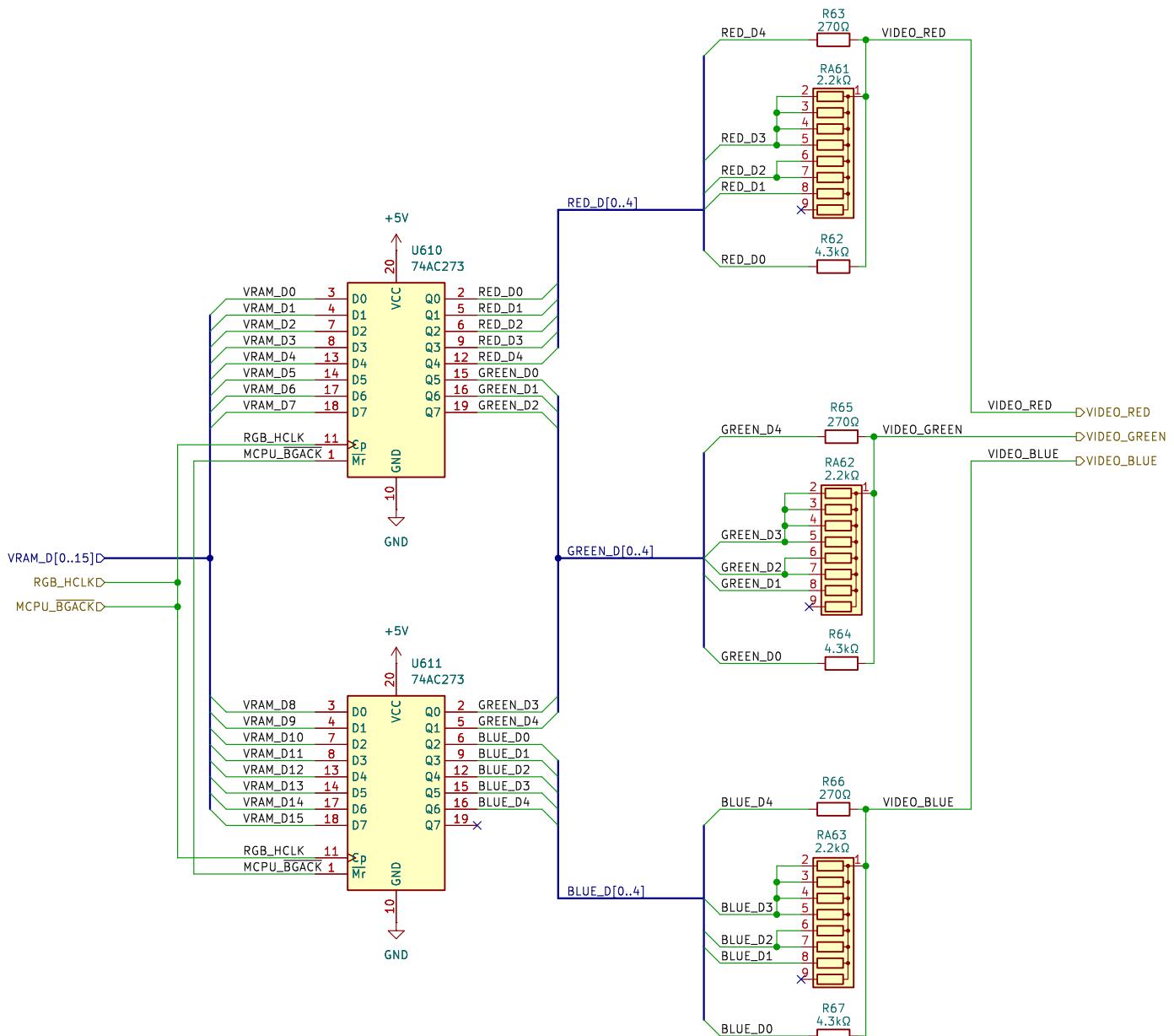
Size: B Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 3/15

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



License: CC BY-NC-SA 4.0

Author: Brandon Arnold

**Coin-Op Collection**

Sheet: /RGB DAC/

File: rgb-dac.kicad\_sch

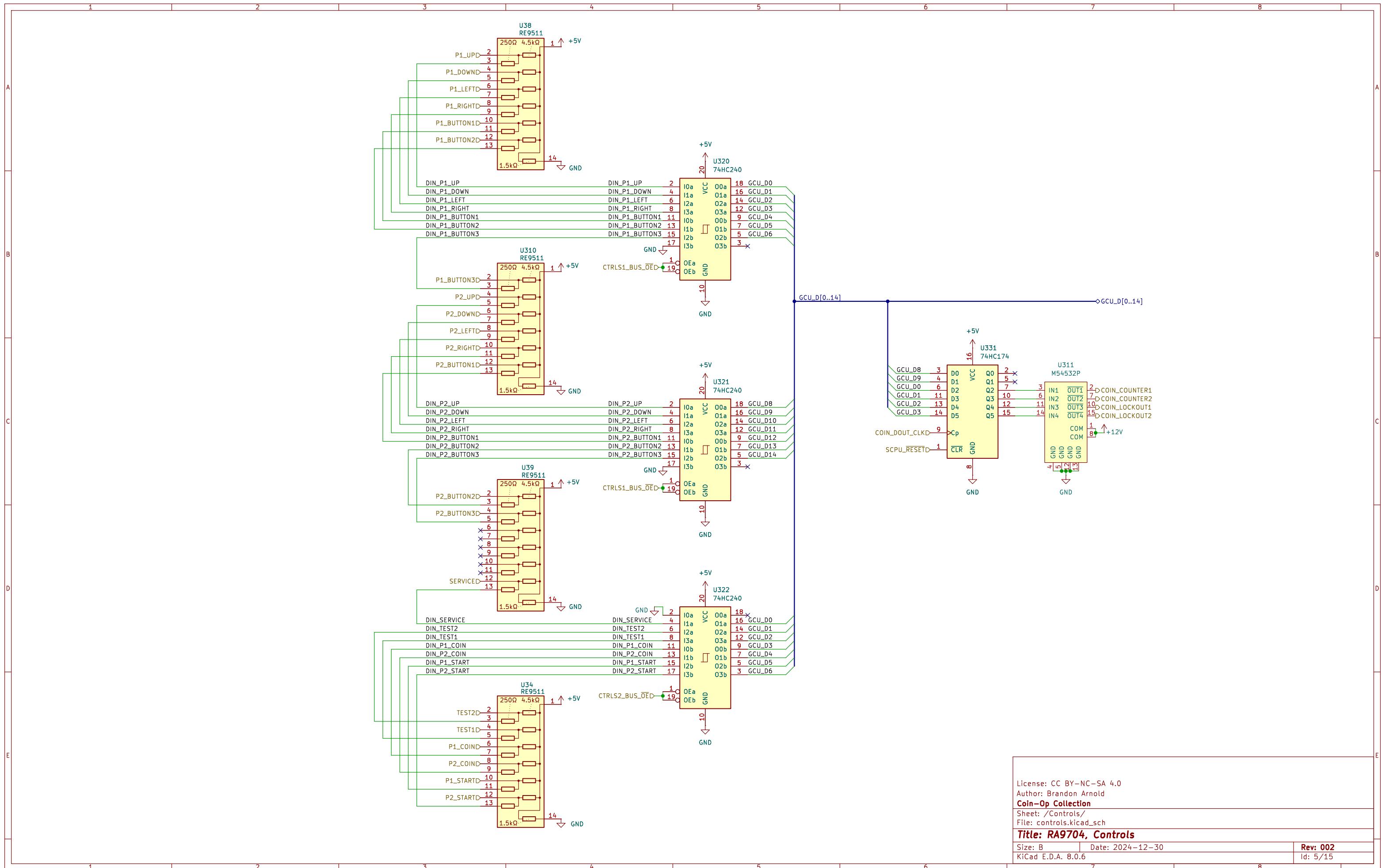
**Title: RA9704, RGB DAC**

Size: A Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 4/15



License: CC BY-NC-SA 4.0

Author: Brandon Arnold

Coin-Op Collection

Sheet: /Controls/

File: controls.kicad\_sch

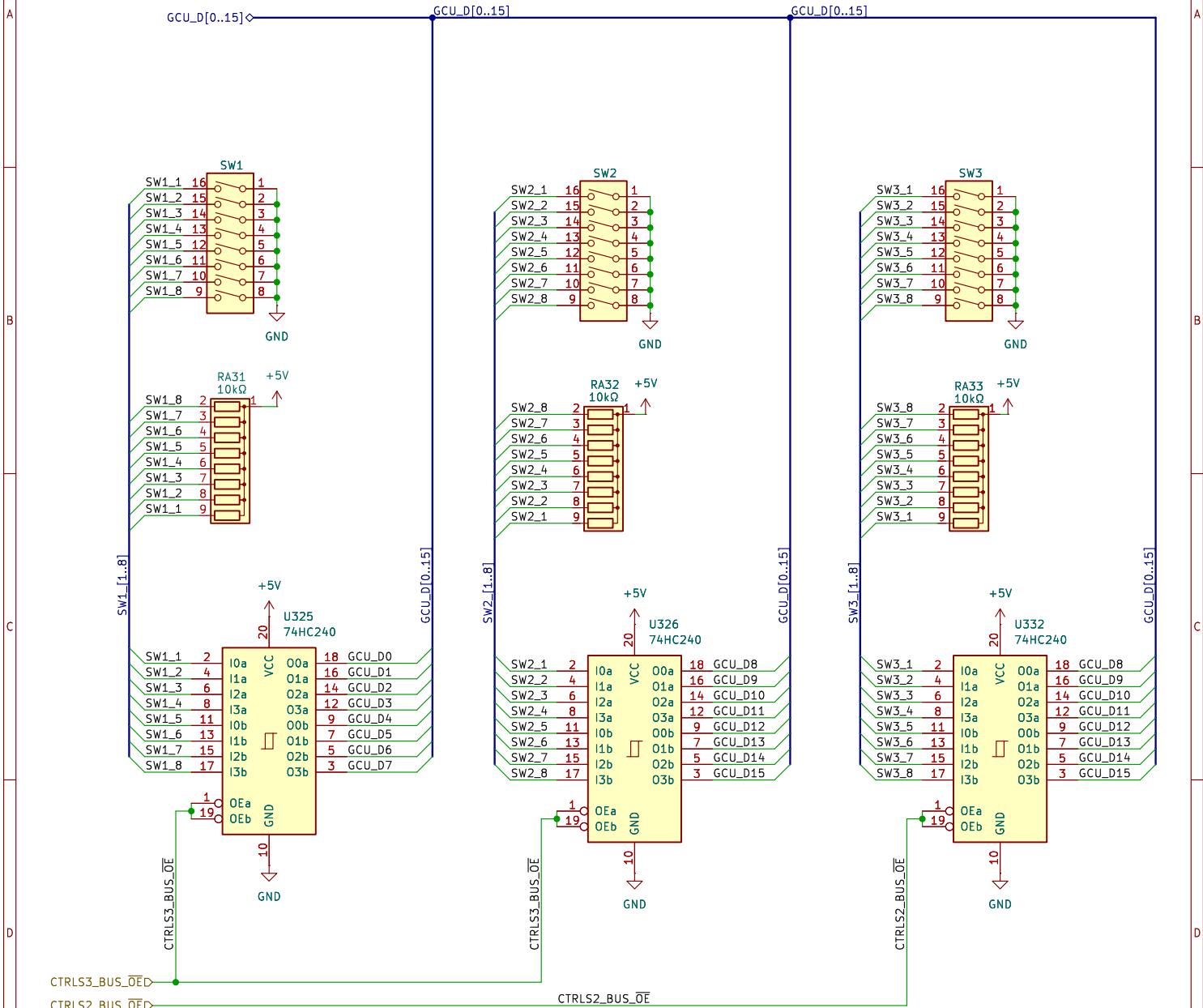
Title: RA9704, Controls

Size: B Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 5/15



License: CC BY-NC-SA 4.0

Author: Brandon Arnold

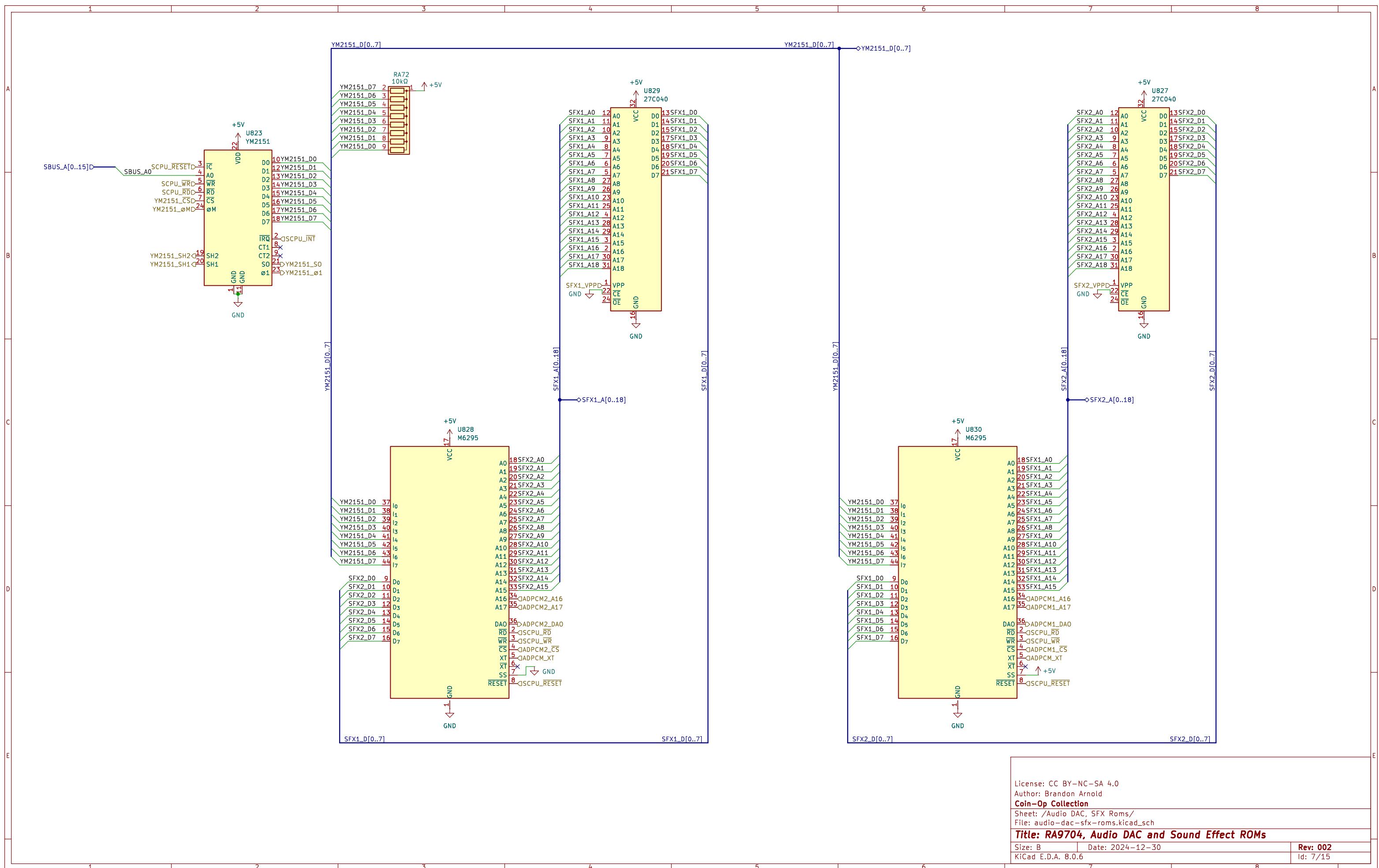
**Coin-Op Collection**Sheet: /DIP\_Switches/  
File: dip-switches.kicad\_sch**Title: RA9704, DIP Switches**

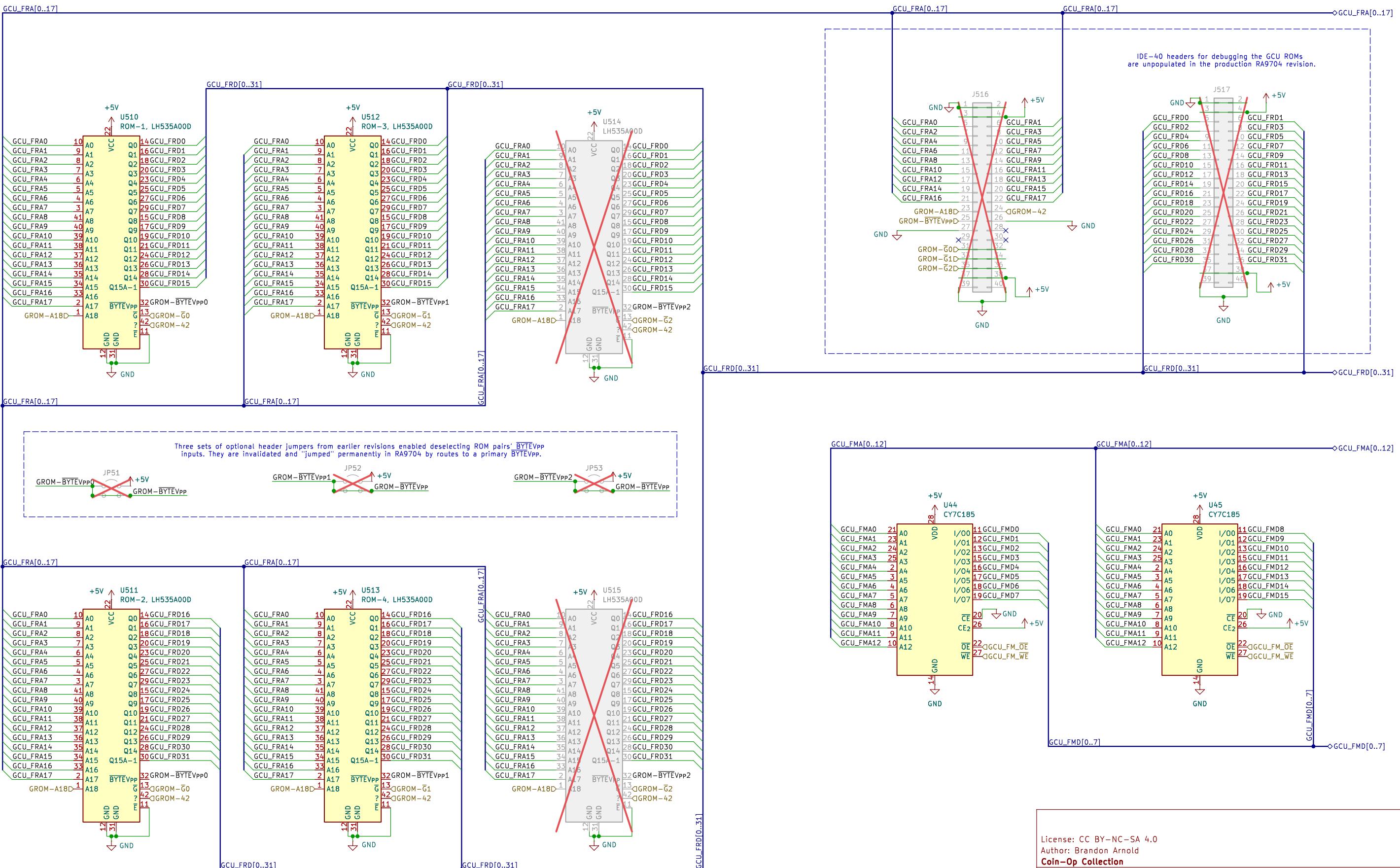
Size: A Date: 2024-12-30

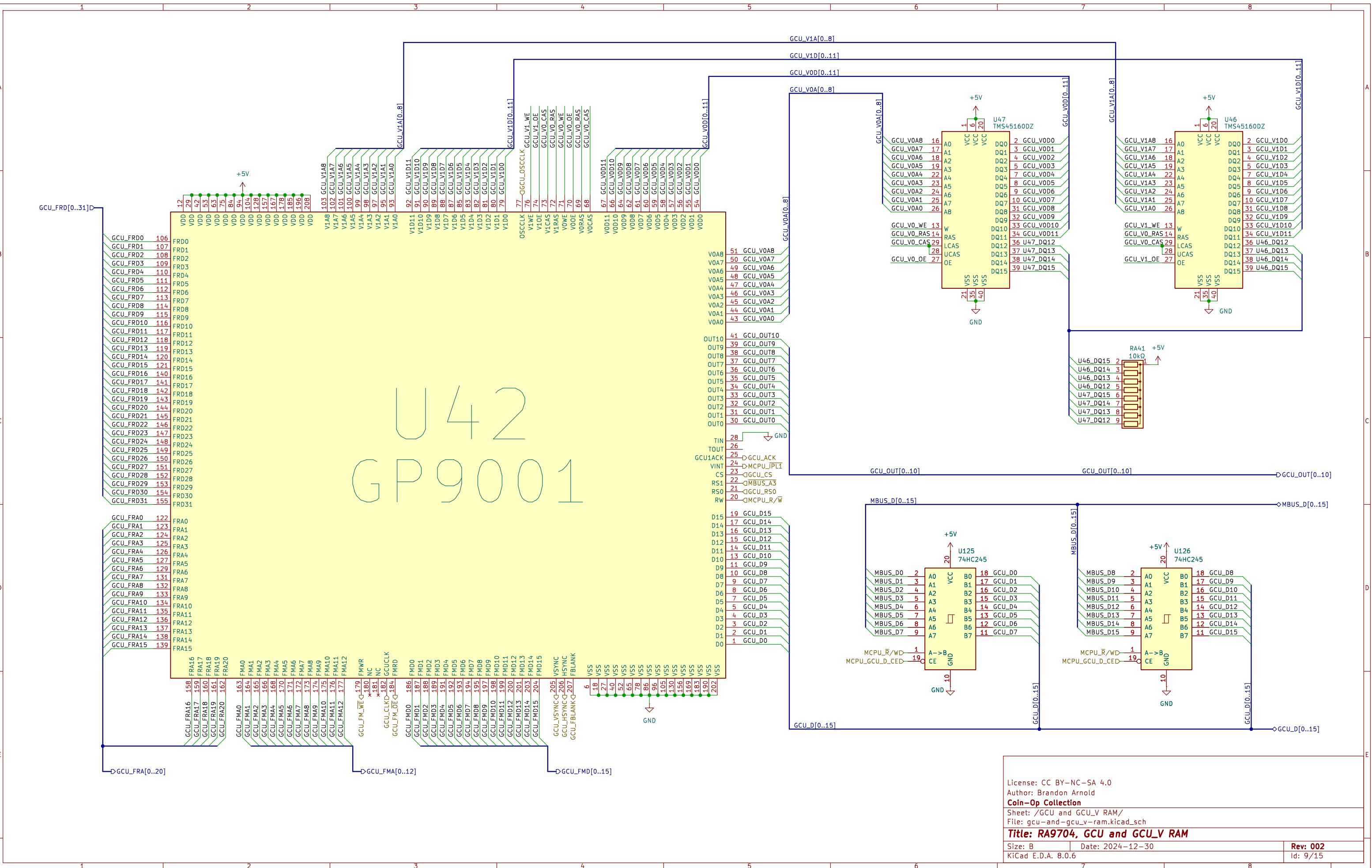
KiCad E.D.A. 8.0.6

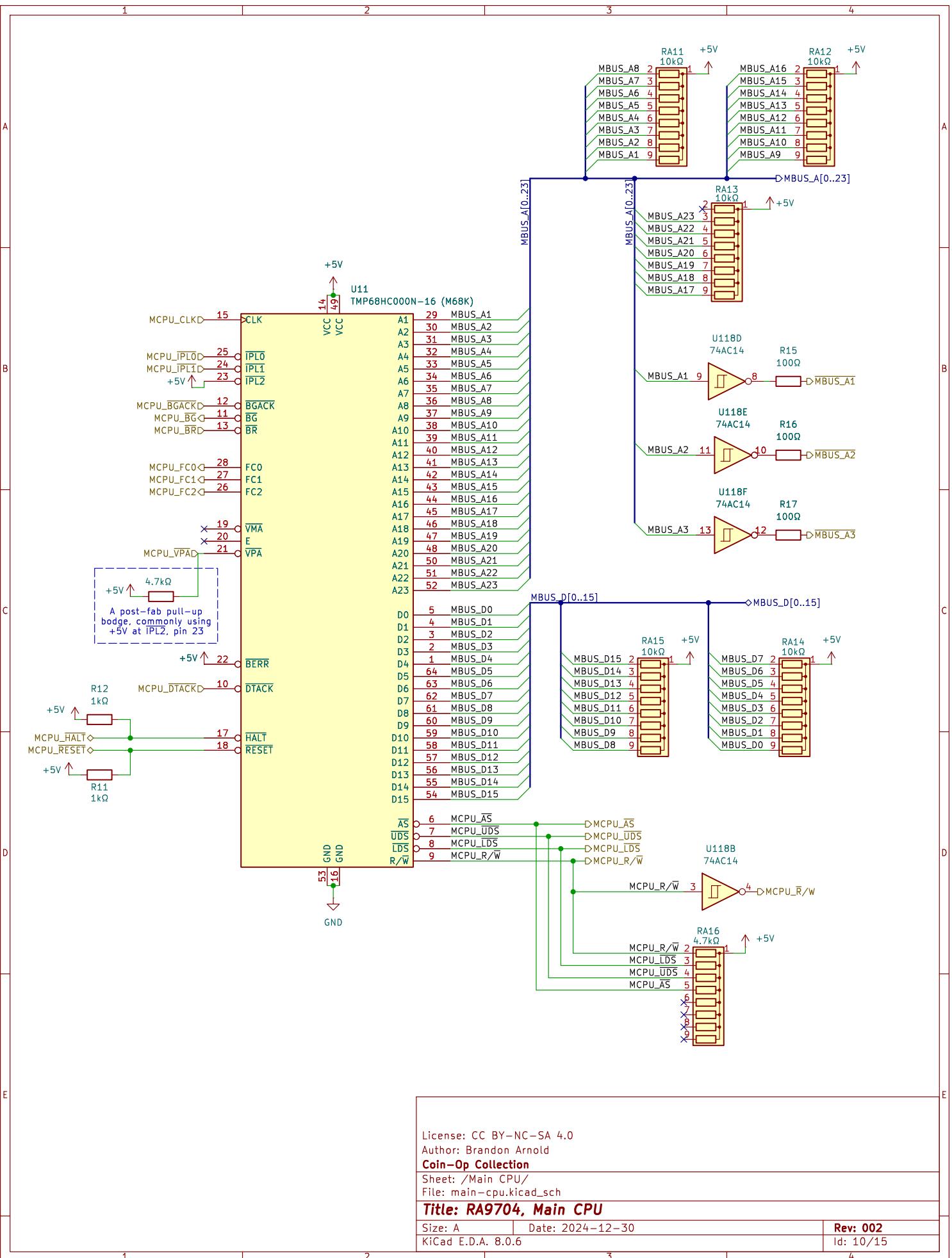
Rev: 002

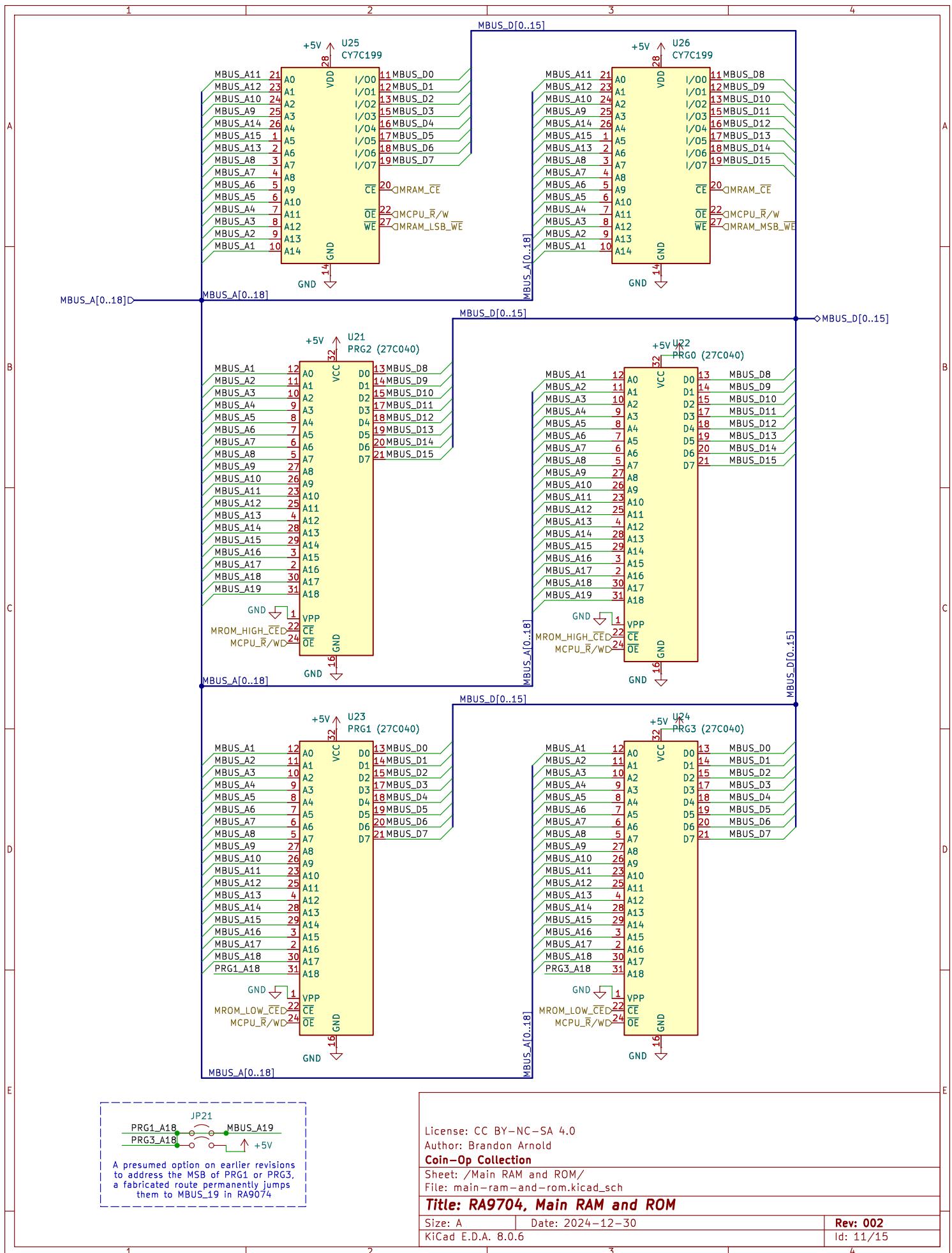
Id: 6/15

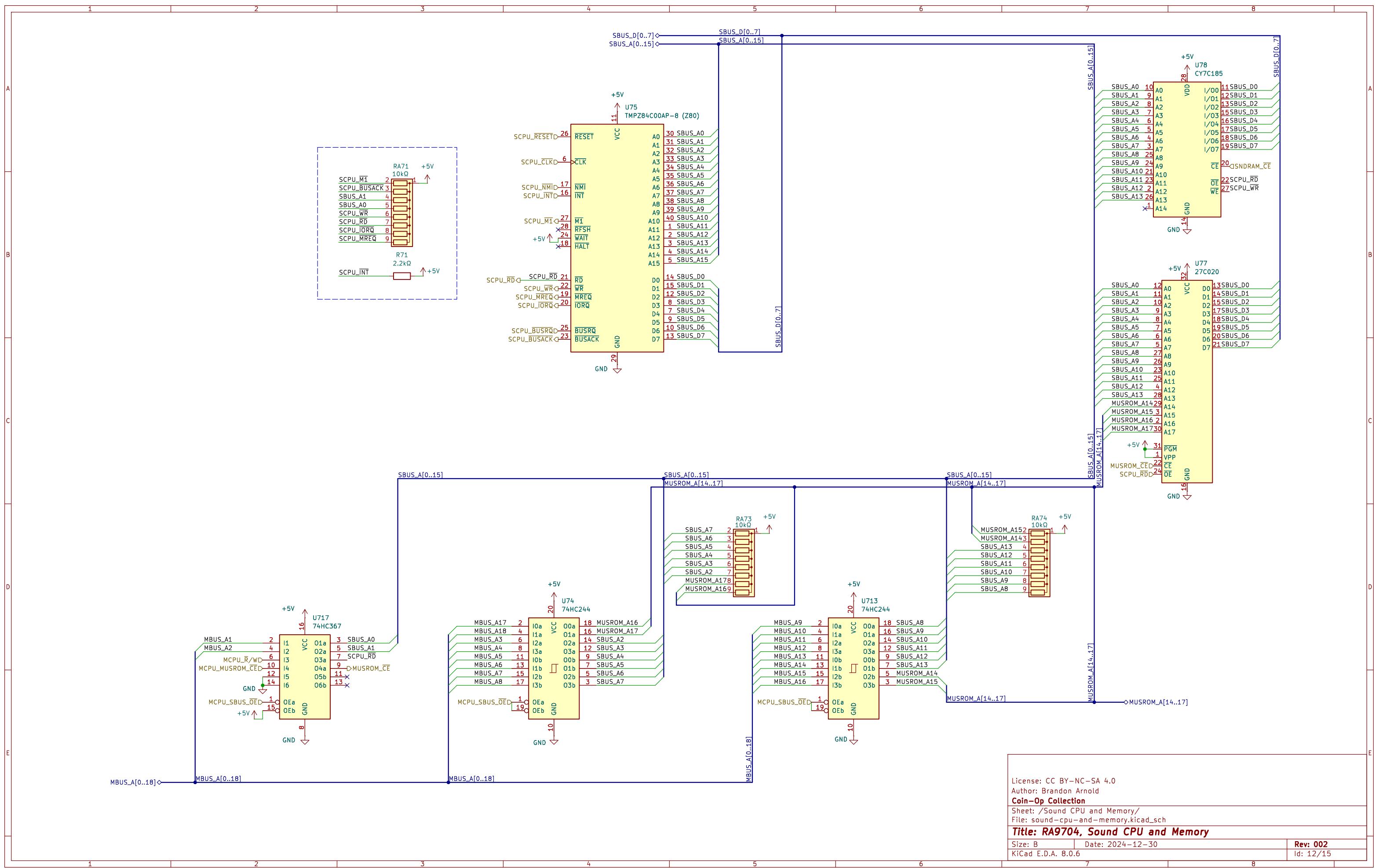






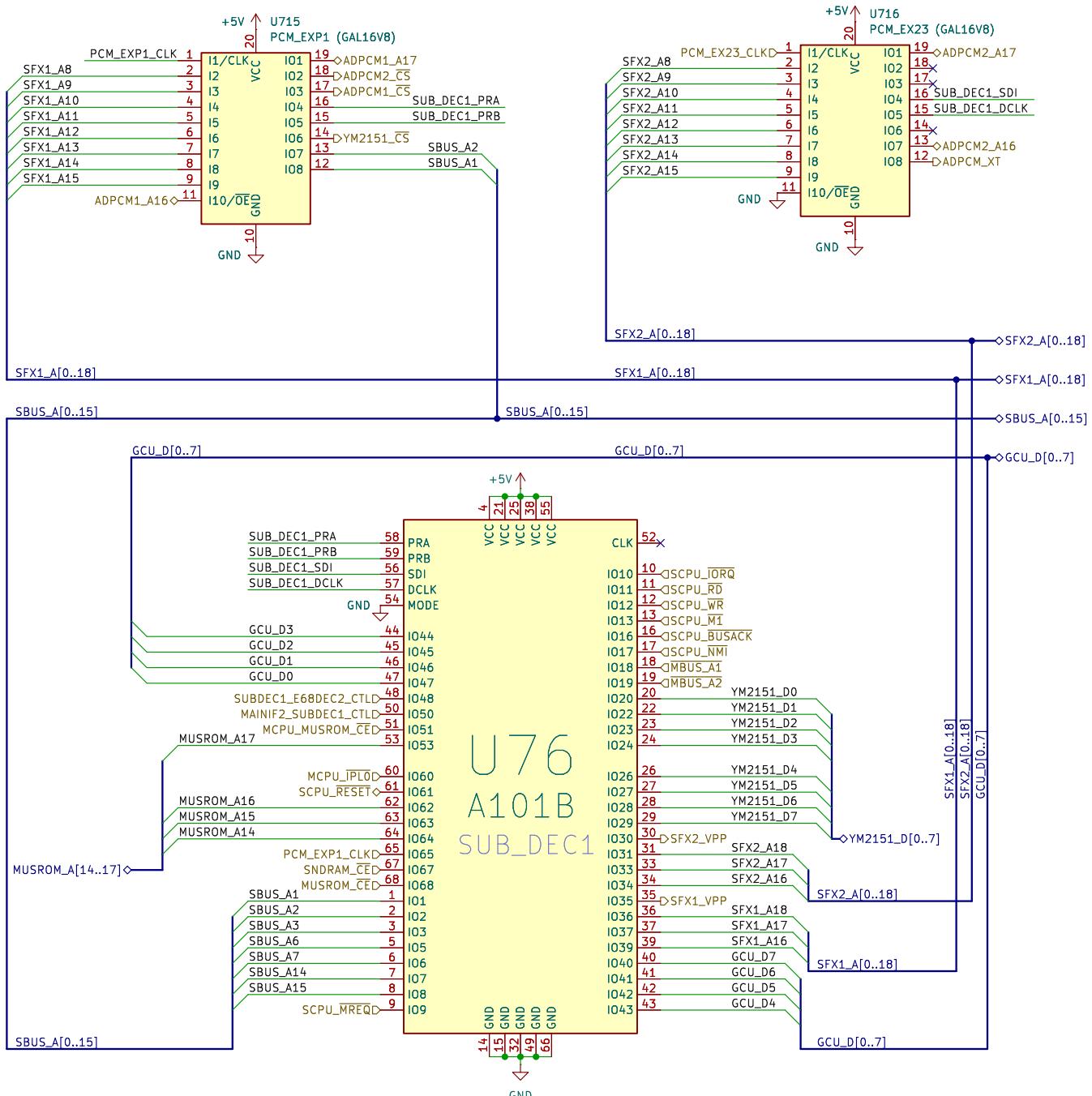






A

A



License: CC BY-NC-SA 4.0

Author: Brandon Arnold

**Coin-Op Collection**

Sheet: /Sound IC and Bus Mgmt/

File: sound-ic-bus-mgmt.kicad\_sch

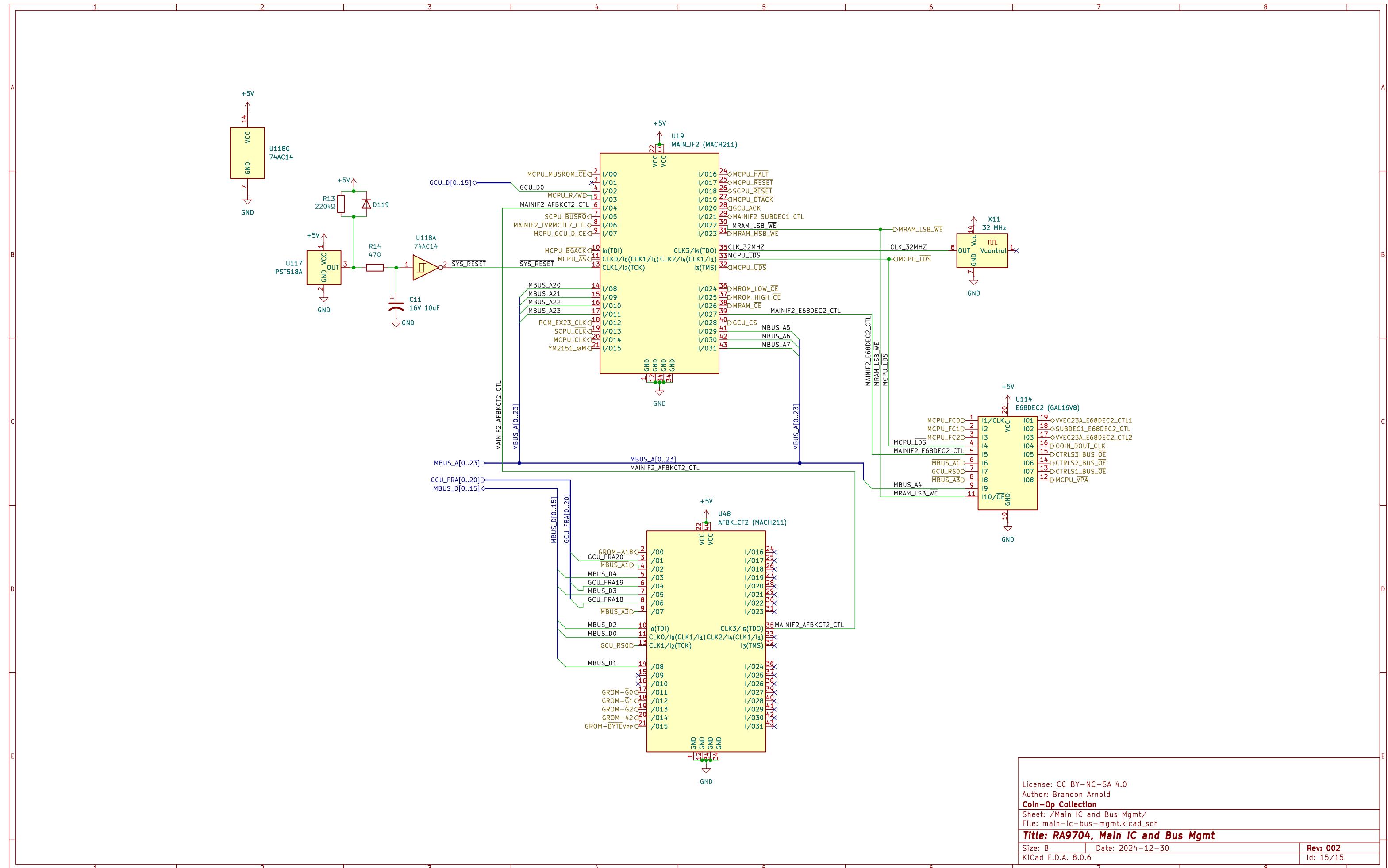
**Title: RA9704, Sound IC and Bus Mgmt**

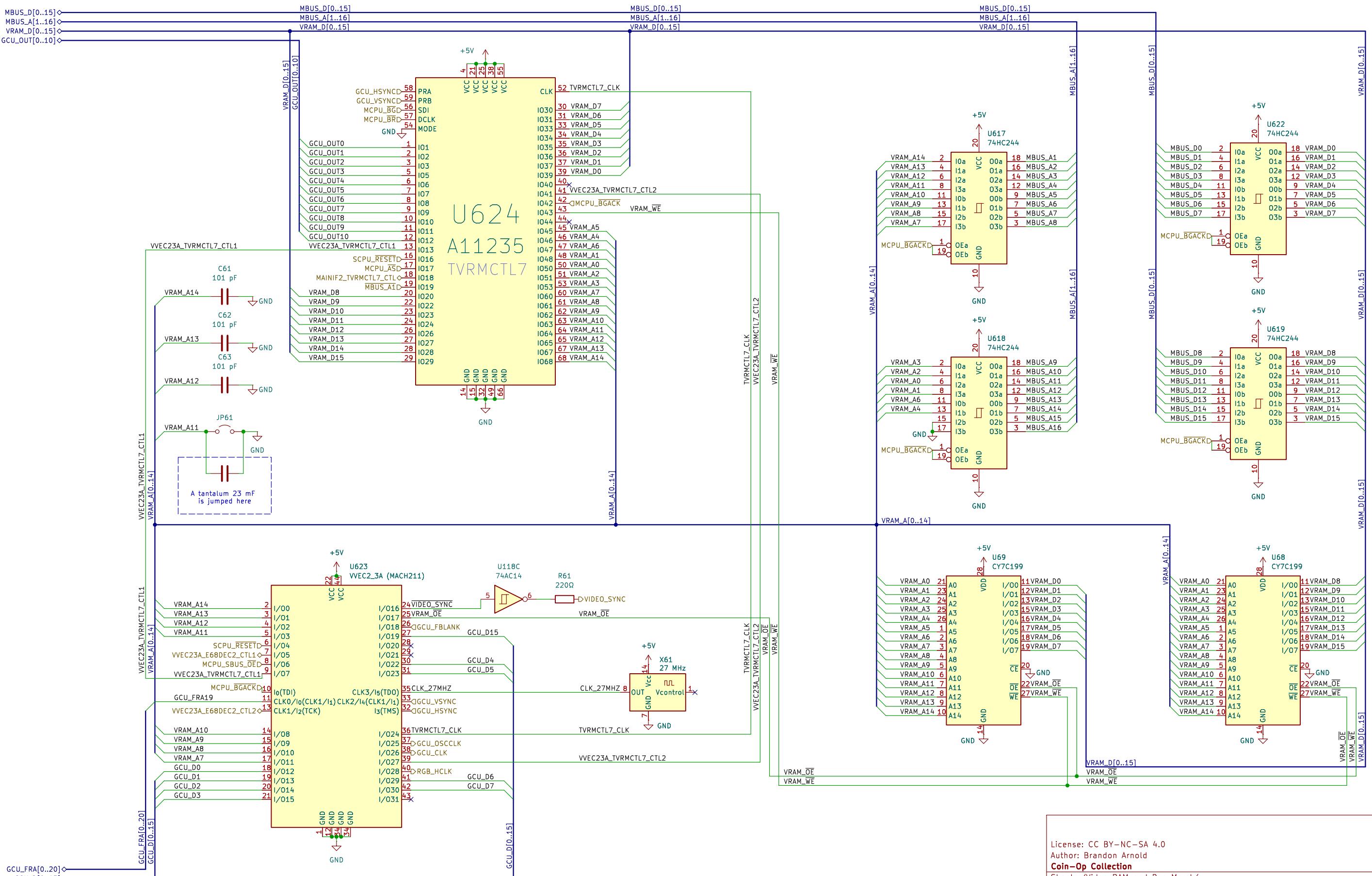
Size: A Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 14/15





License: CC BY-NC-SA 4.0

Author: Brandon Arnold

Coin-Op Collection

Sheet: /Video RAM and Bus Mgmt/  
File: video-ram-and-bus-mgmt.kicad\_sch

Title: RA9704, Video RAM and Bus Mgmt

Size: B Date: 2024-12-30

KiCad E.D.A. 8.0.6

Rev: 002

Id: 16/15