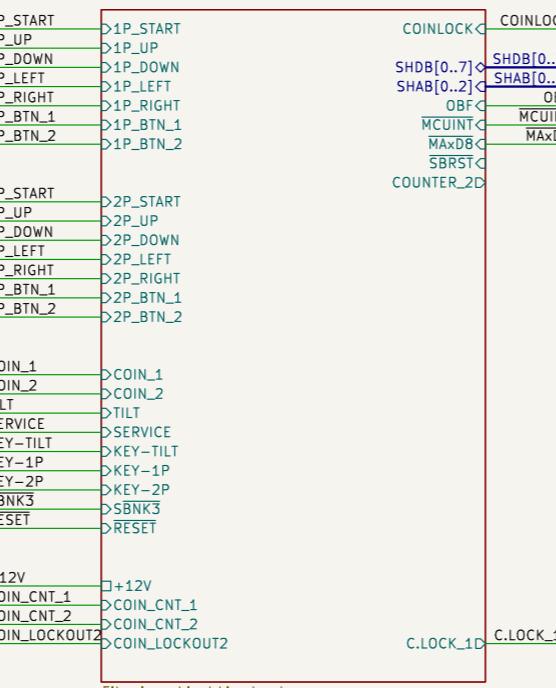
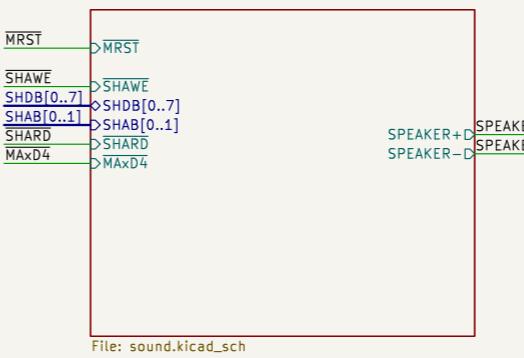


## Cabinet



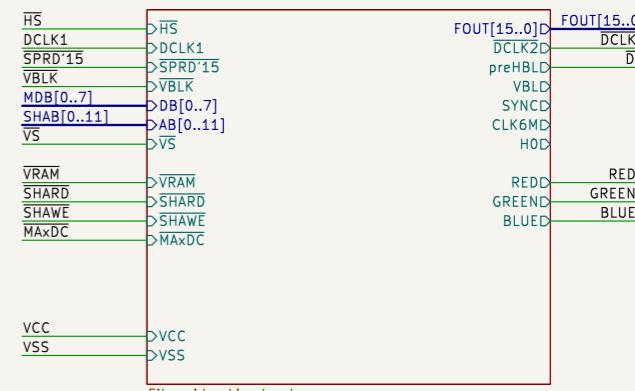
File: io\_cabinet.kicad\_sch

## Sound



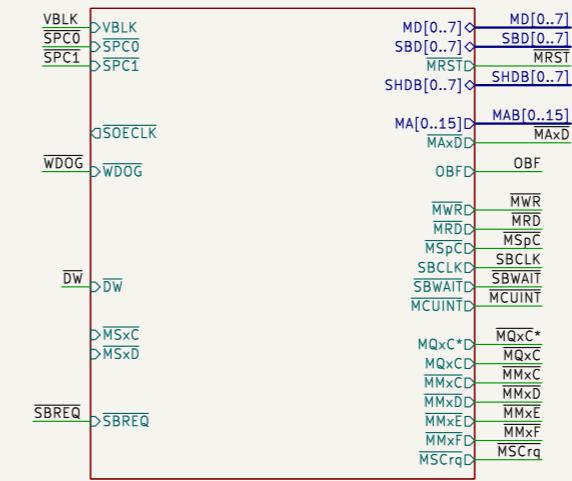
File: sound.kicad\_sch

## Video



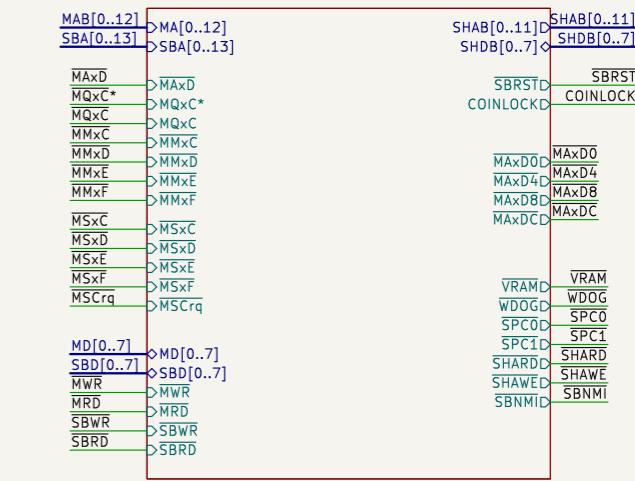
File: video.kicad\_sch

## Main



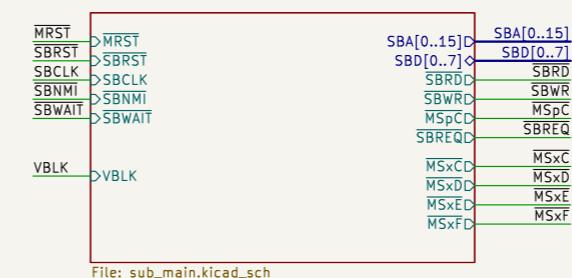
File: main.kicad\_sch

## Shared

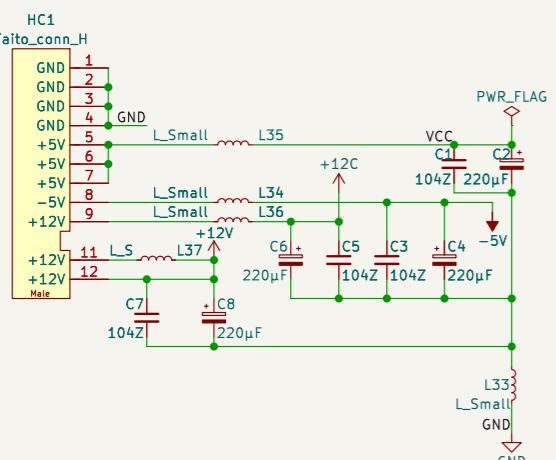


File: shared.kicad\_sch

## Sub



File: sub\_main.kicad\_sch



capacitors\_lu  
File: capacitors\_lu.kicad\_sch

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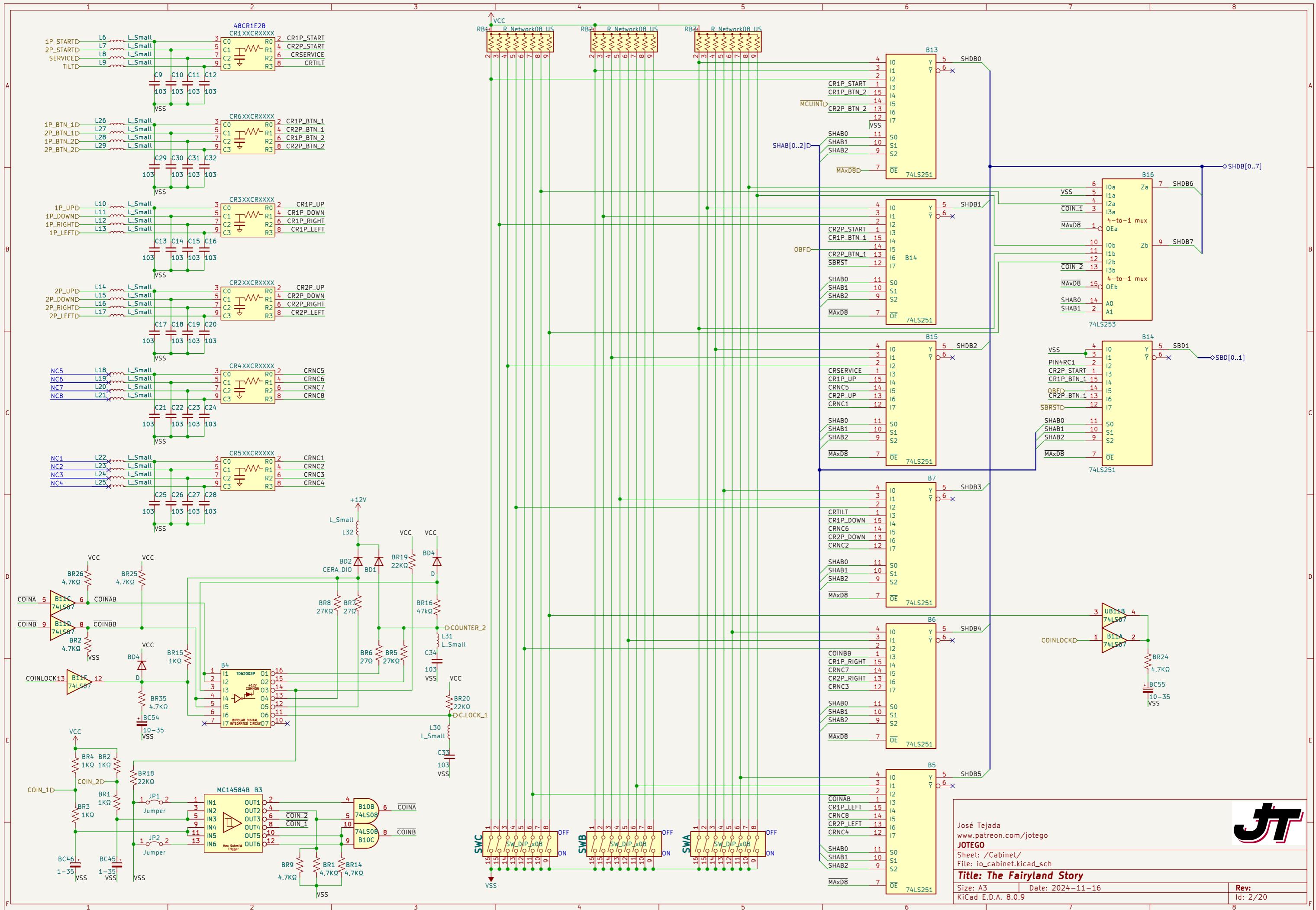
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File: fairyland.kicad\_sch

**Title: The Fairyland Story**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.9



Rev:  
Id: 1/20



A

A

B

B

C

C

D

D

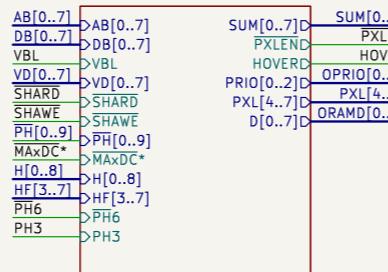
E

E

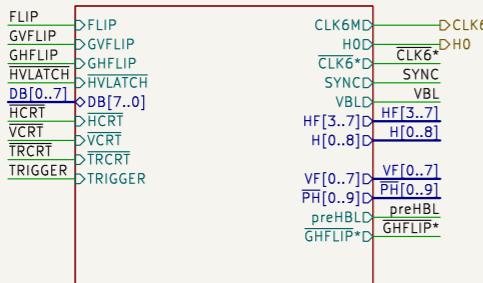
F

F

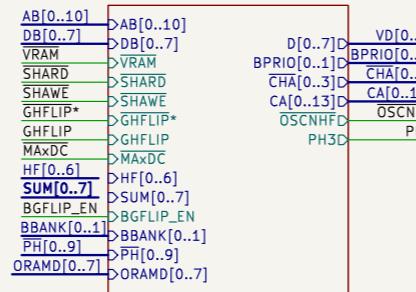
### Object RAM



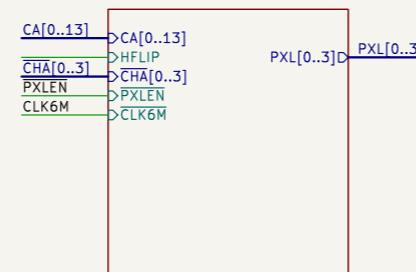
### Timing



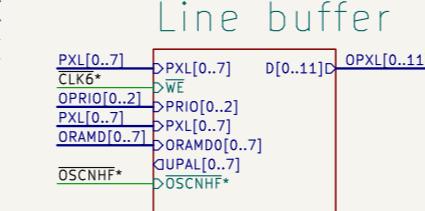
### Video RAM



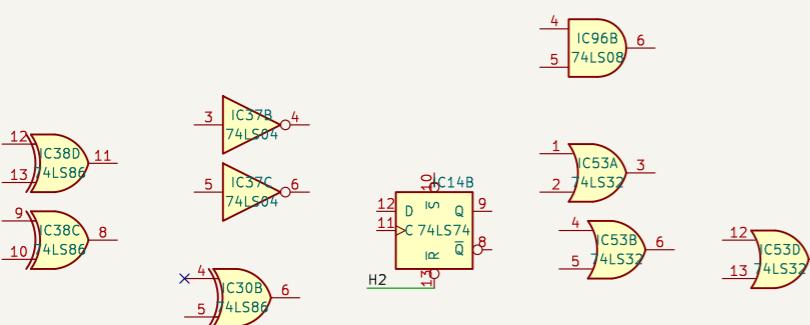
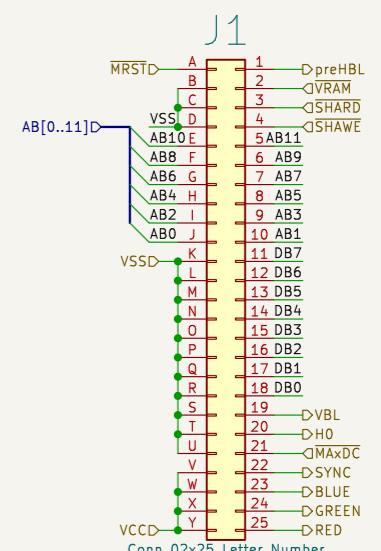
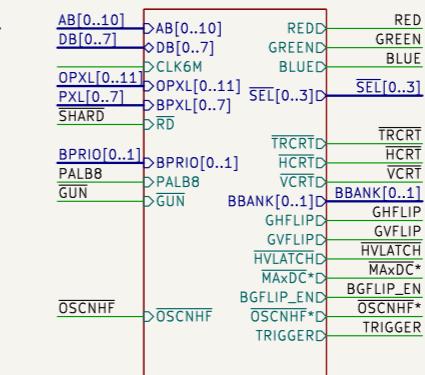
### Tile ROM



### Line buffer



### Palette



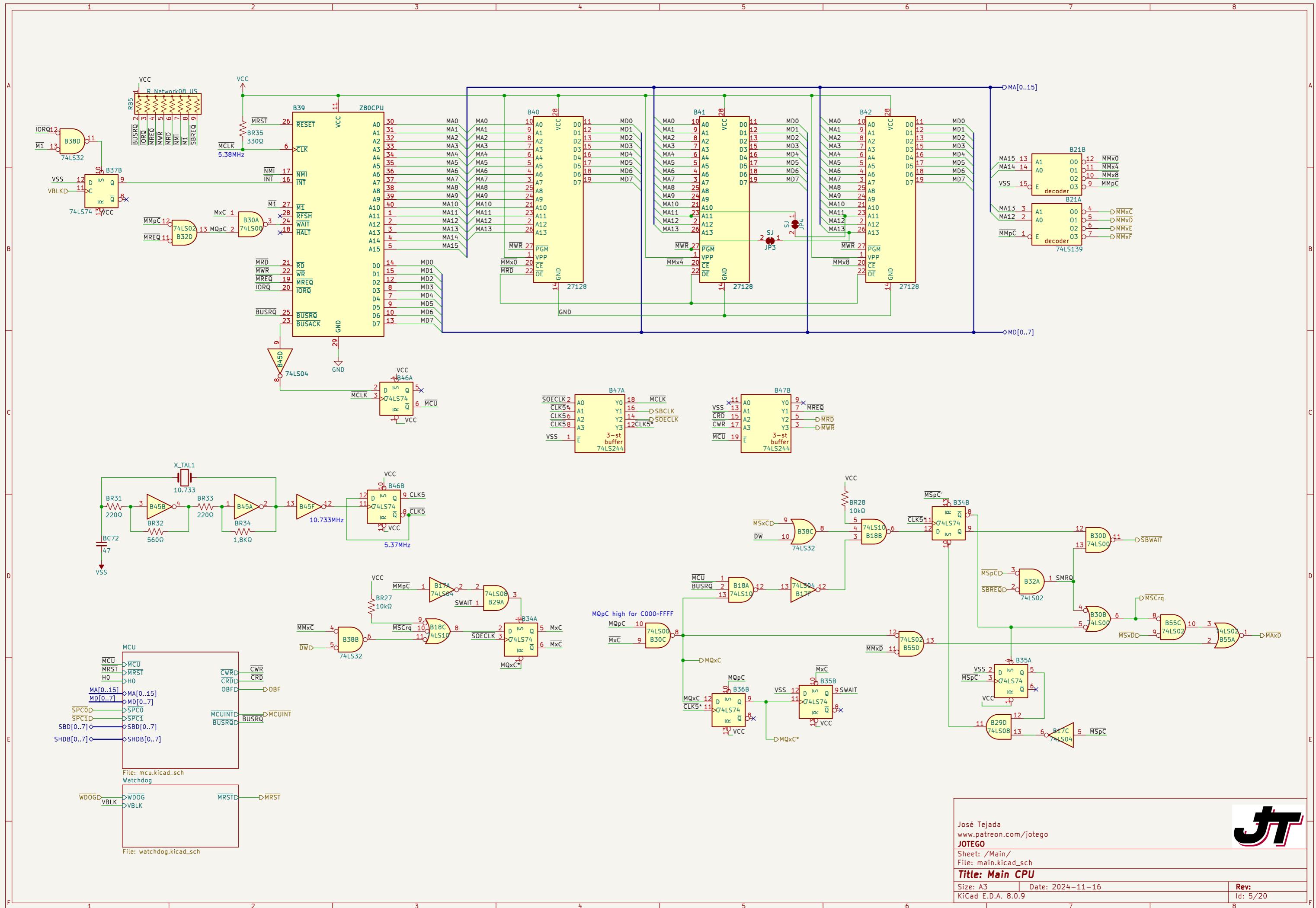
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Sheet: /Video/  
 File: video.kicad\_sch

**Title: The Fairyland Story**

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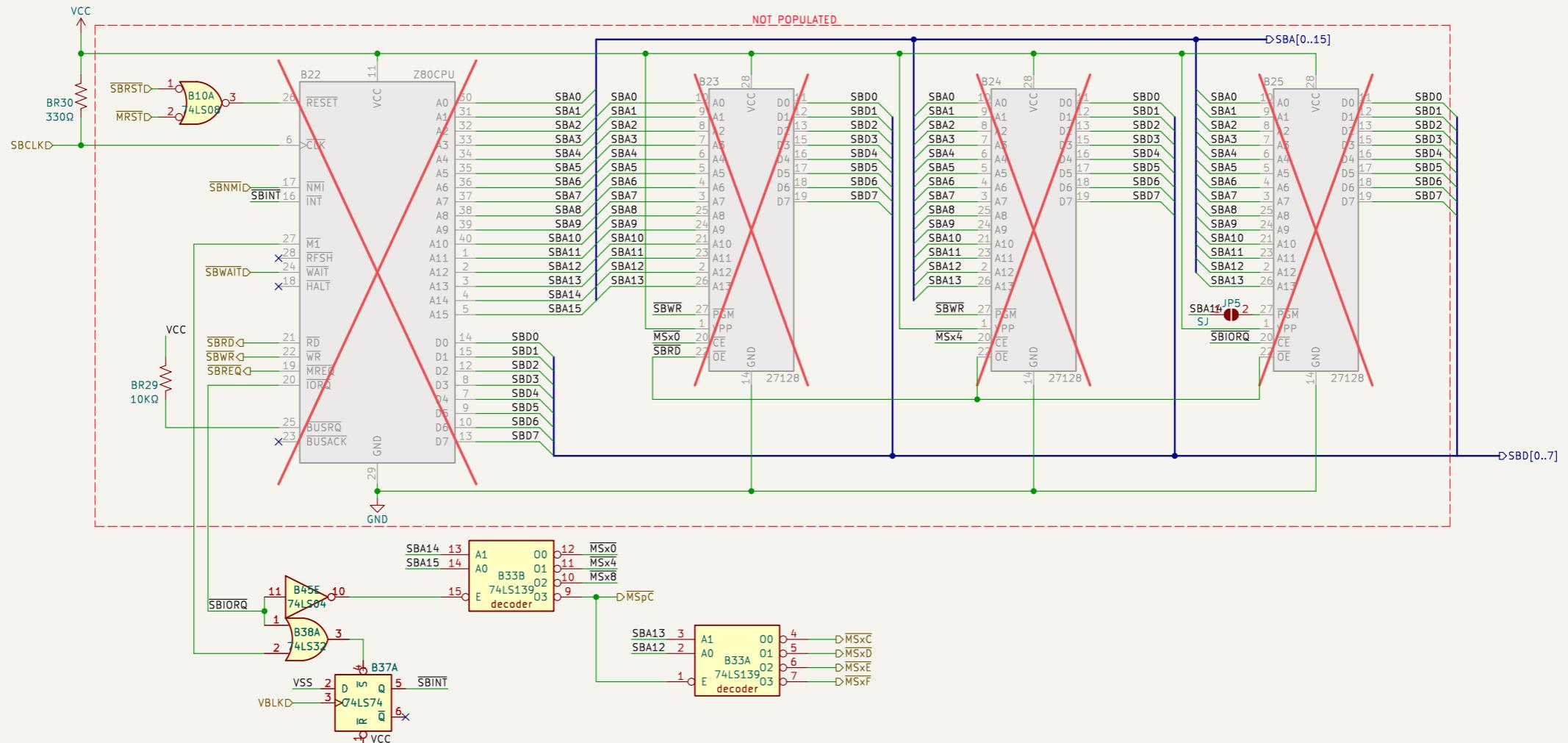
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 File: sound.kicad\_sch

**Title: Sound Board**

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Sheet: /Sub/

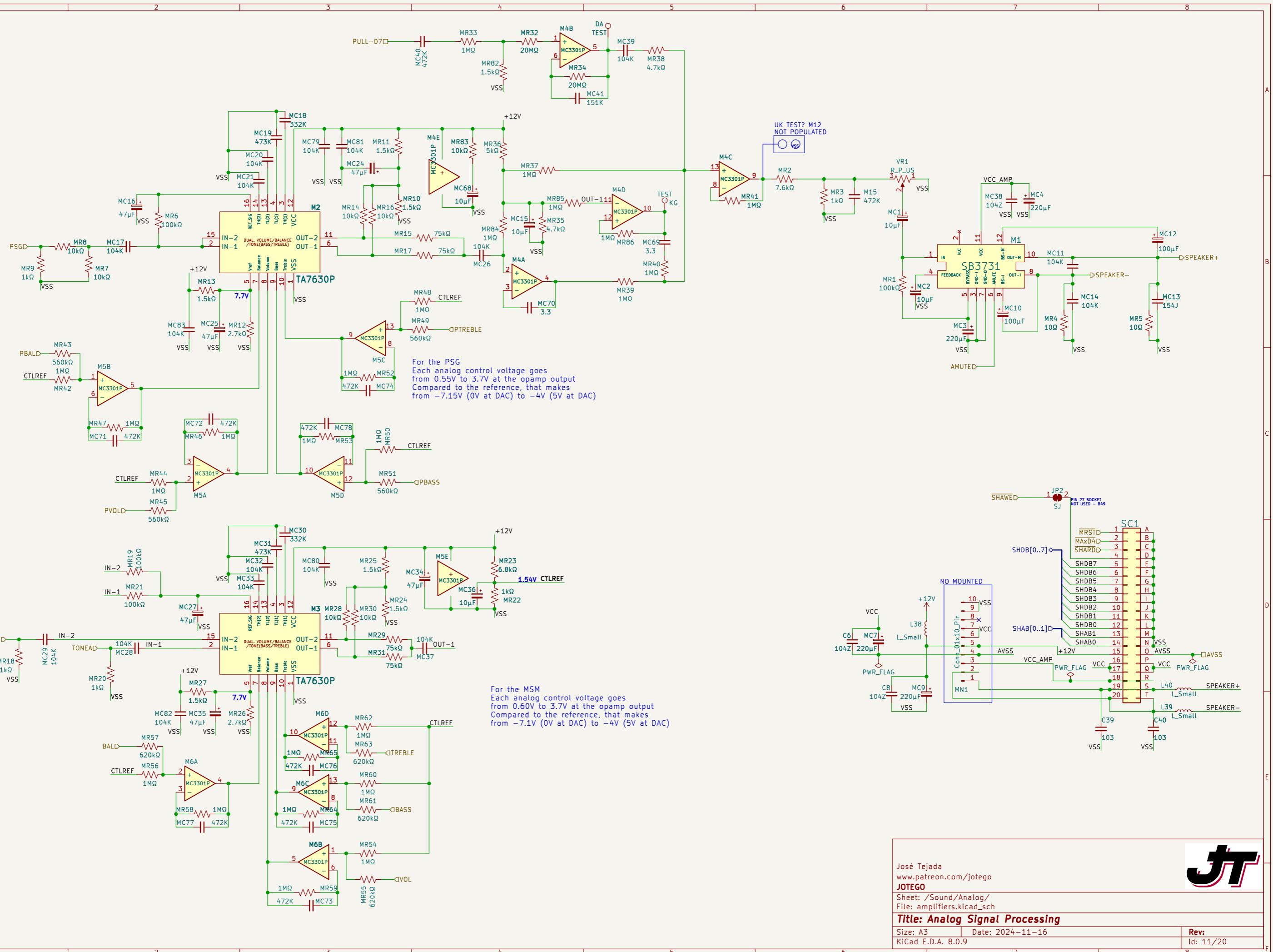
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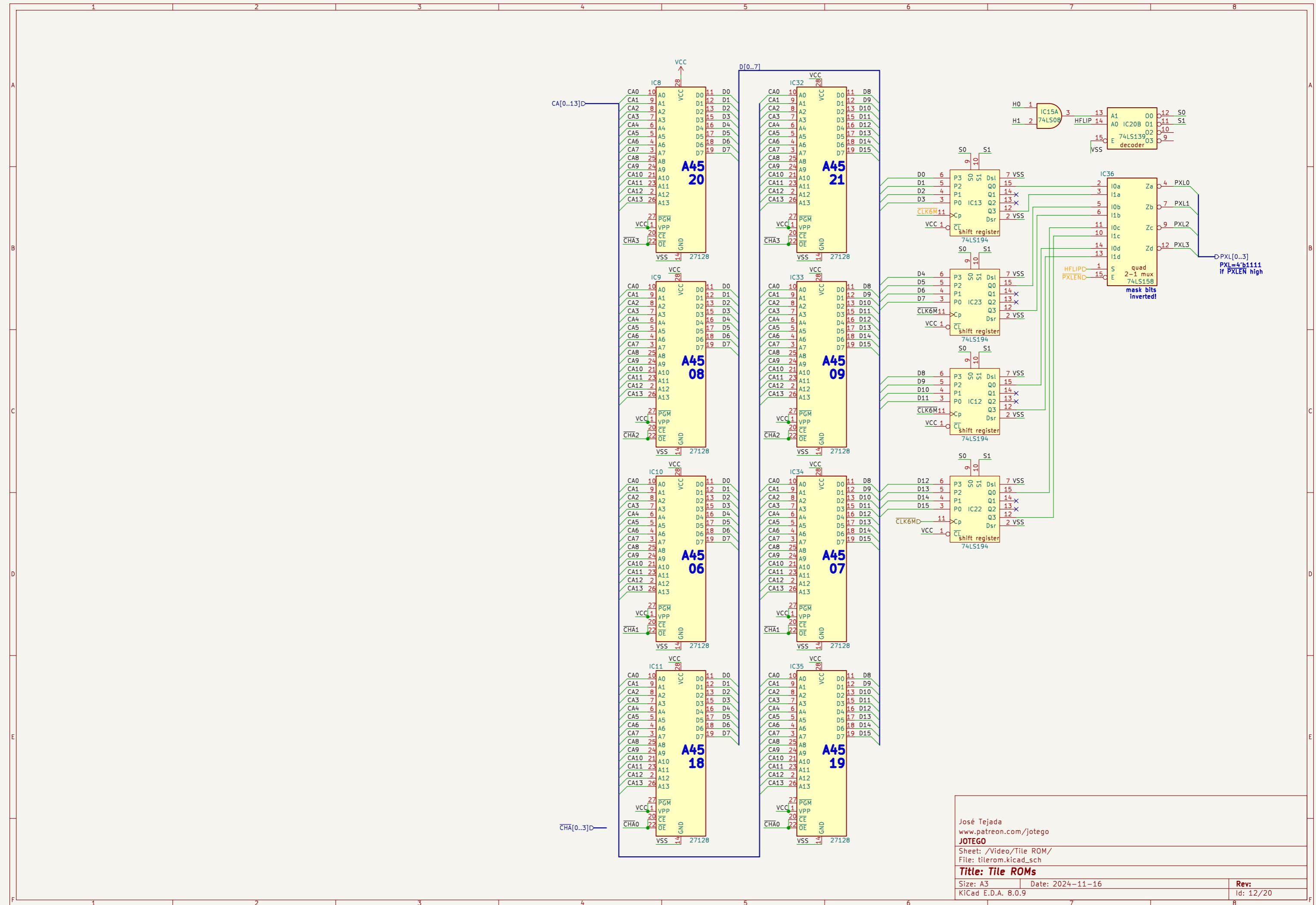
## Title: Subsidiary CPU

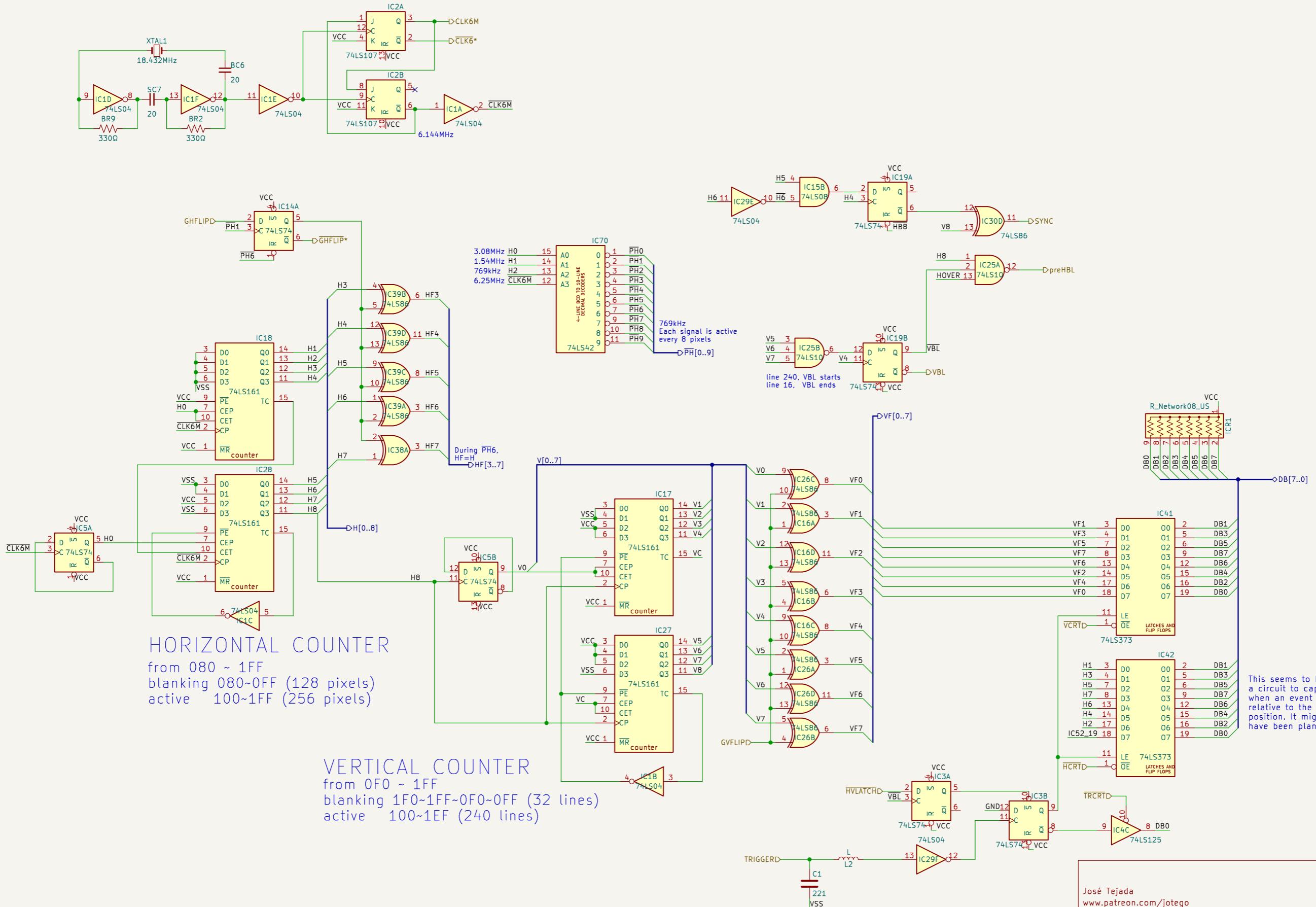
Size: A3 Date: 2024-11-16  
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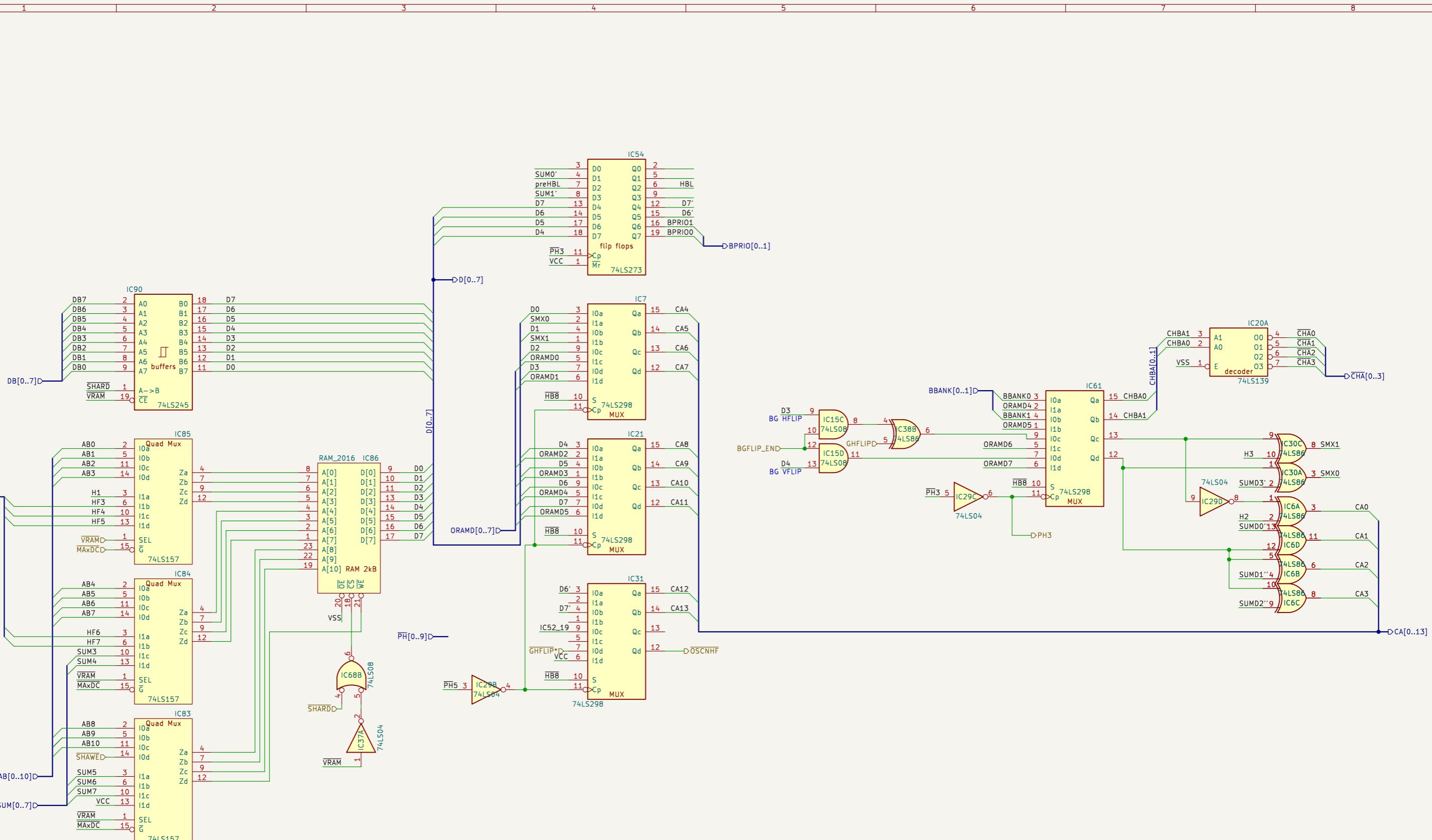


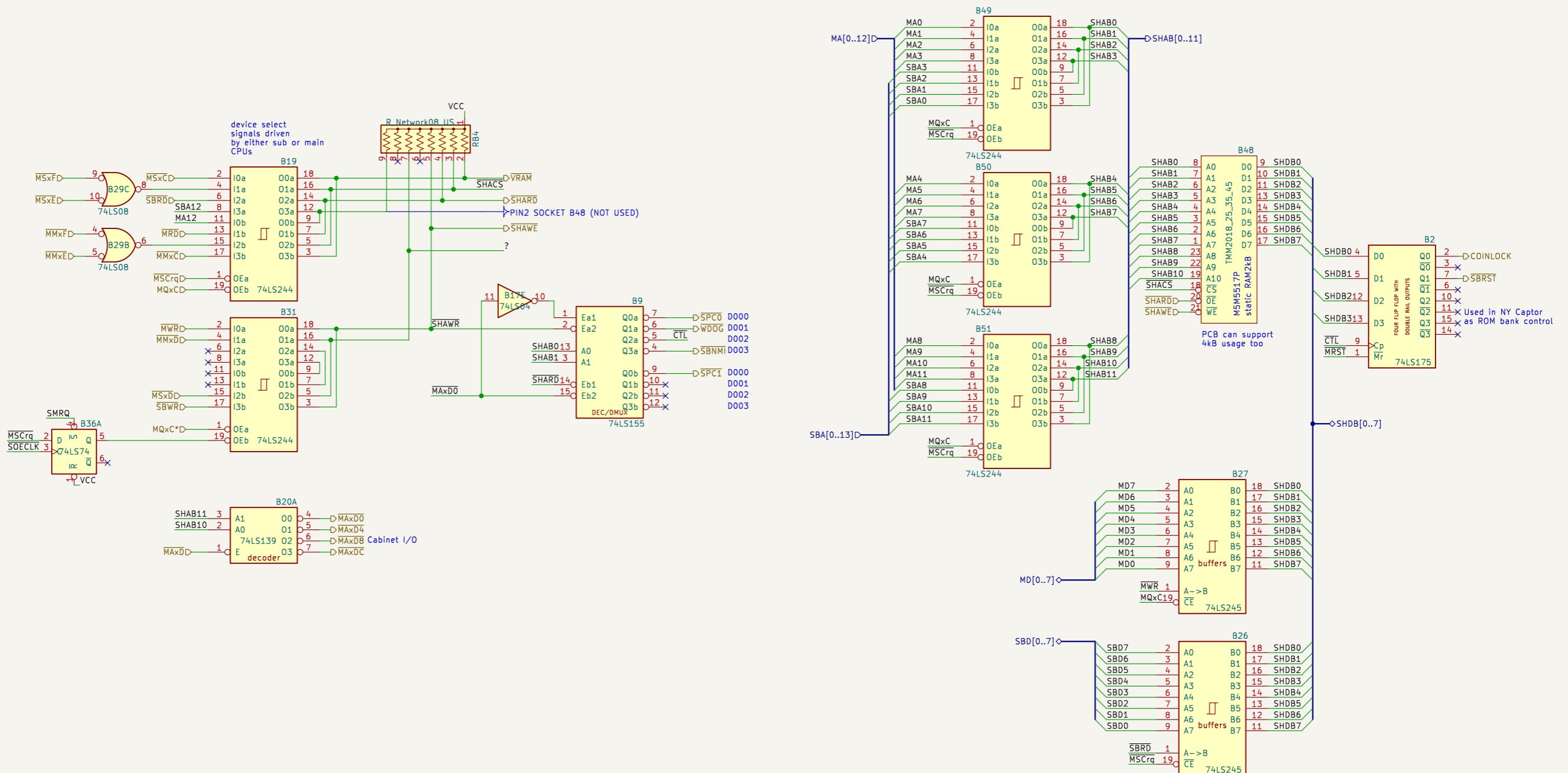
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## Title: Video Timing

Size: A3 Date: 2024-11-16  
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The MCU can take control of the share bus by requesting the main CPU bus

The MCU can communicate with both CPUs via latches B52 and B53

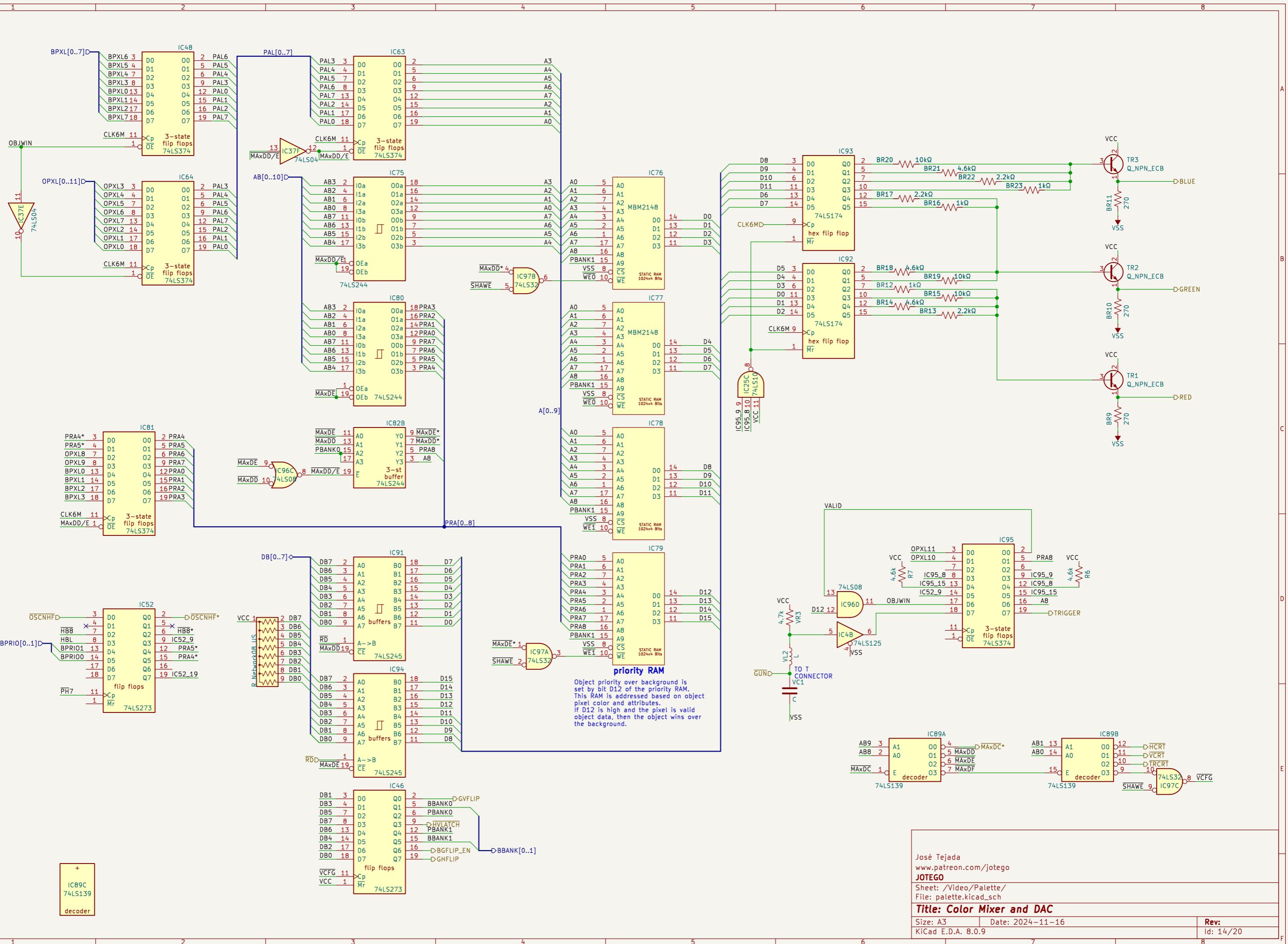
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Sheet: /Main/MCU/  
File: mcu.kicad\_sch

**Title: MCU**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.9

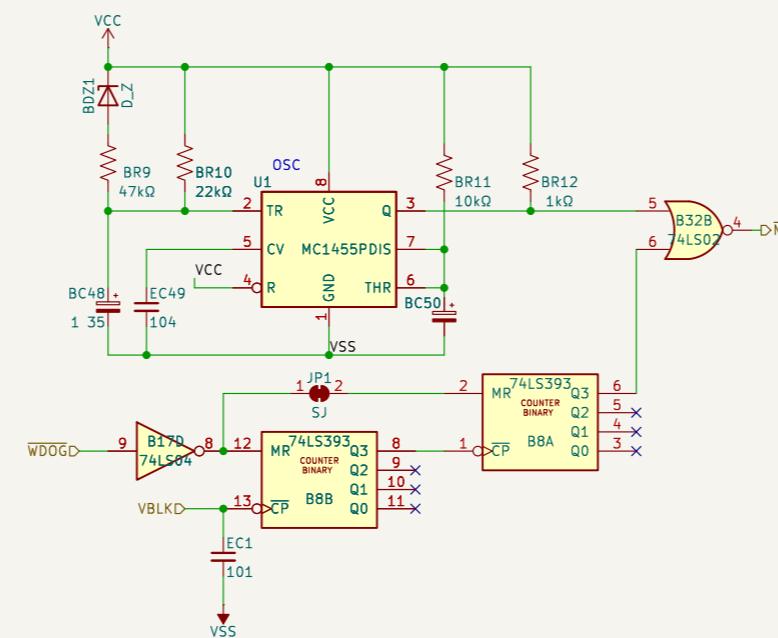
Rev: Id: 14/20



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Sheet: /Video/Palette/  
File: palette.kicad\_sch

**Title: Color Mixer and DAC**  
Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.9

Rev: Id: 14/20



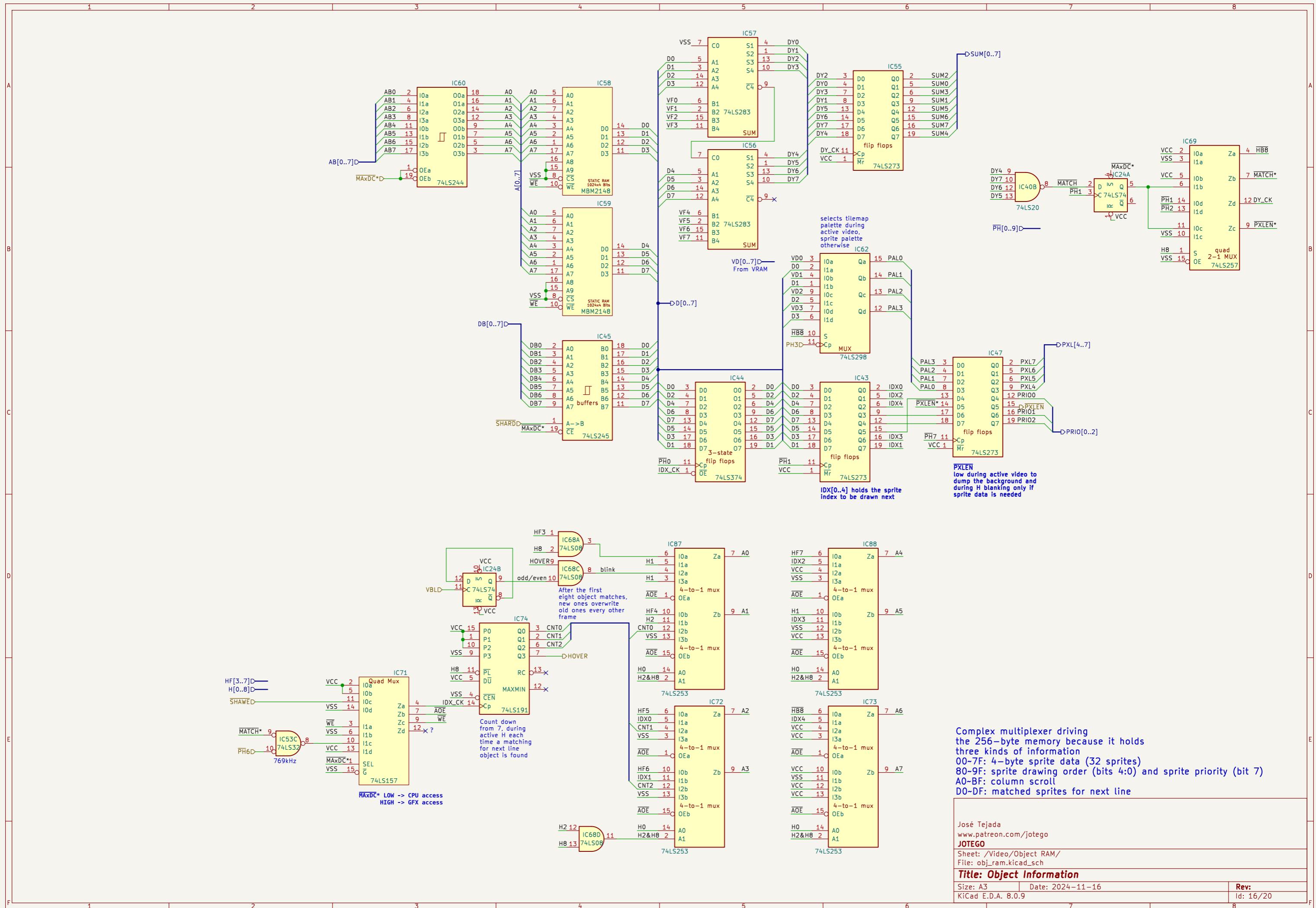
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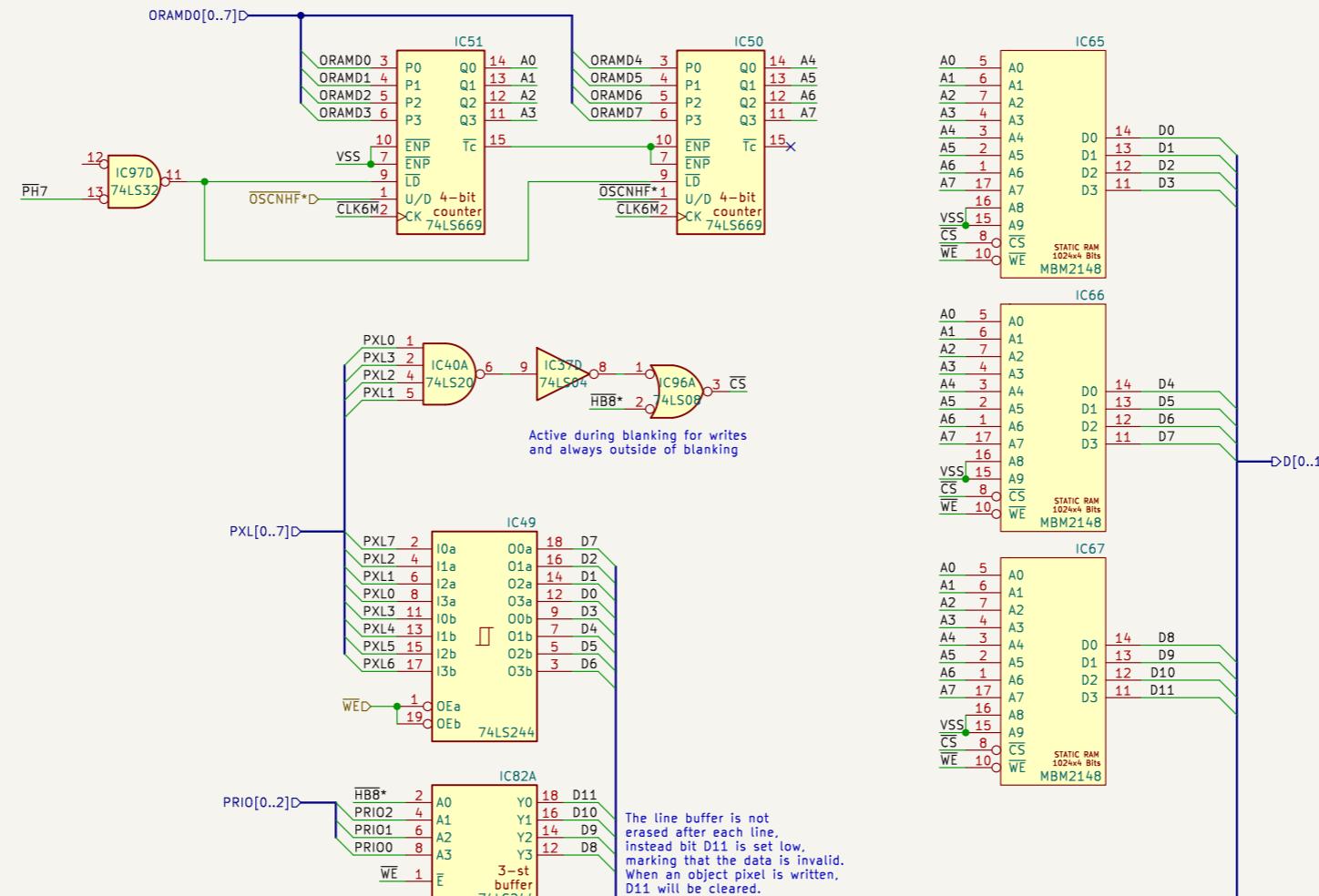
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**Title:**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.9

Rev:  
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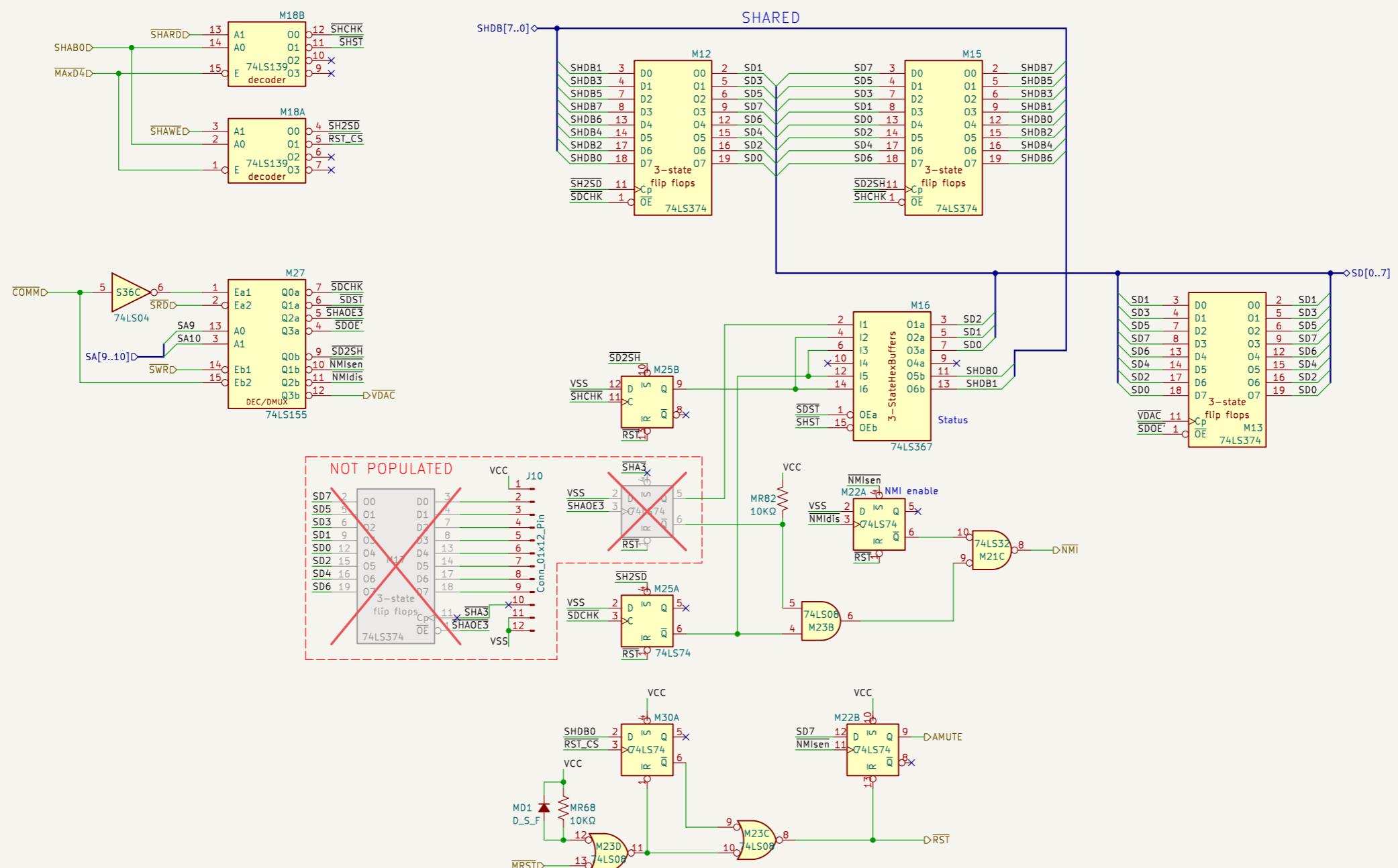
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Sheet: /Video/Line buffer/  
File: linebuf.kicad\_sch

**Title: Single Line Video Buffer**

Size: A3 | Date: 2024-11-16  
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Rev:  
Id: 17/20



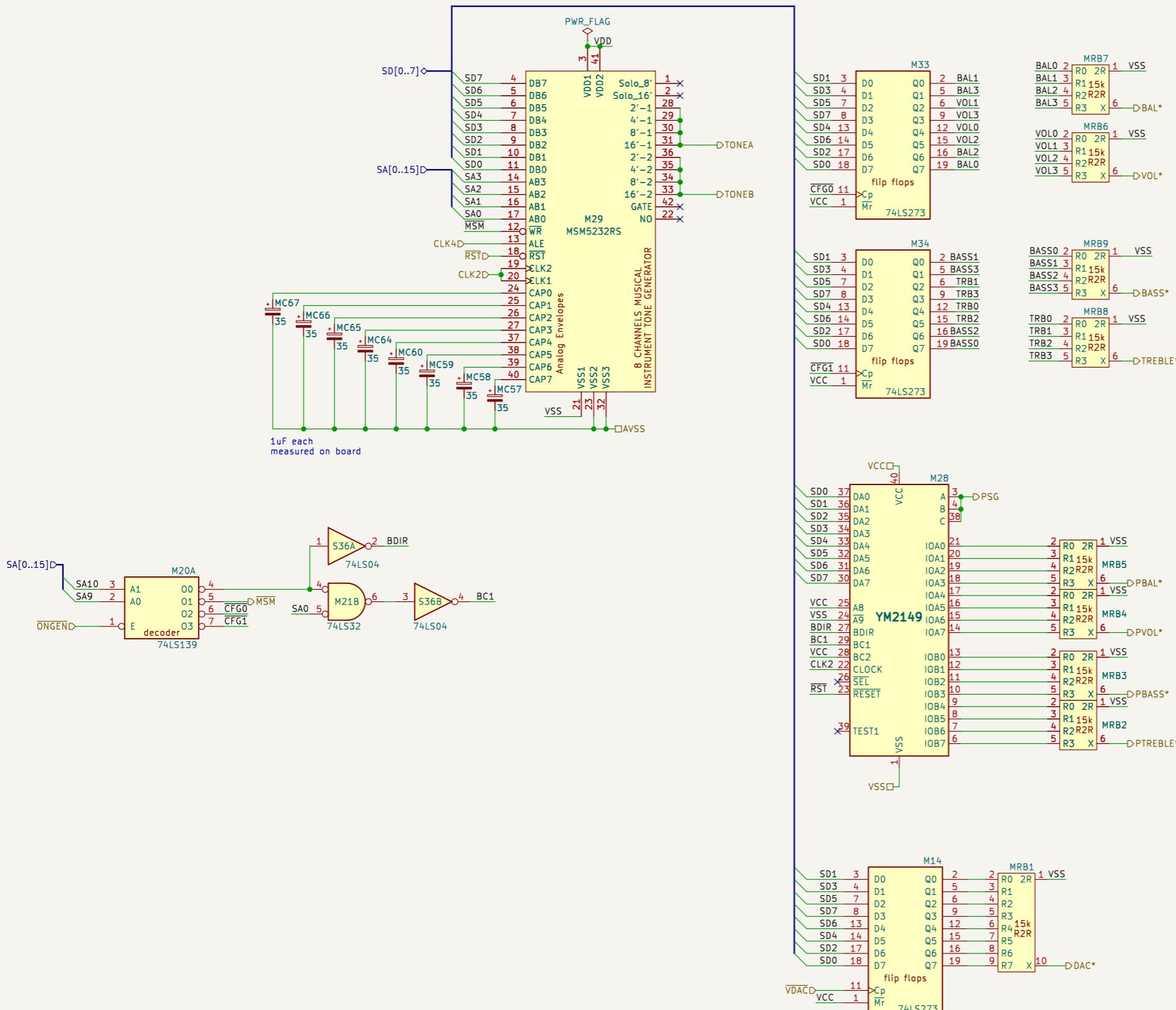
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Sheet: /Sound/Latches/  
File: latches.kicad\_sch

**Title: Communication Latches**

Size: A3 | Date: 2024-11-16  
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Id: 18/20



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Sheet: /Sound/Sound Generators/  
File: ongen.kicad\_sch

**Title: Sound Generators**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.9

Rev: Id: 19/20

