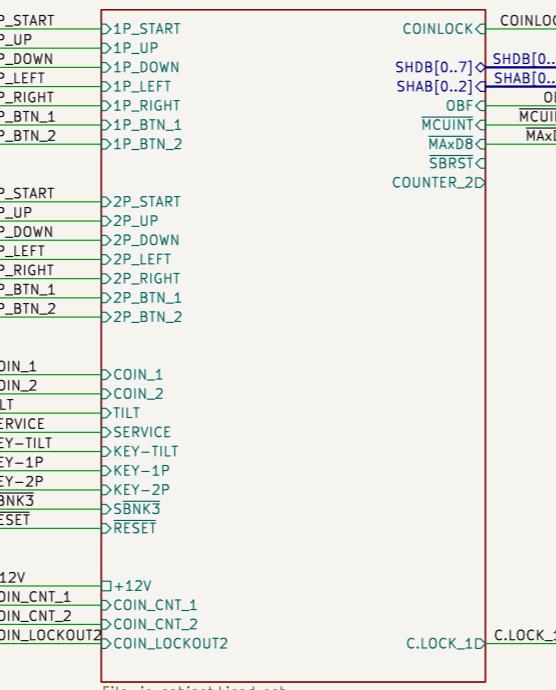
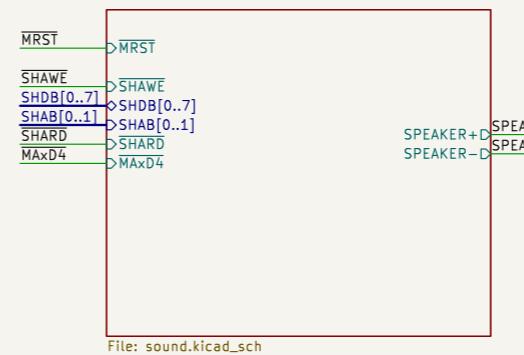


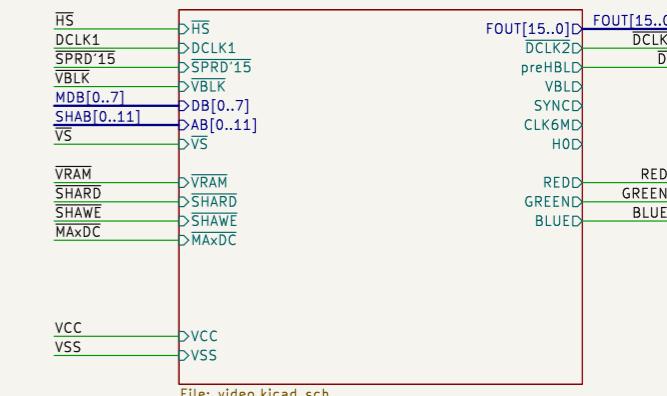
## Cabinet



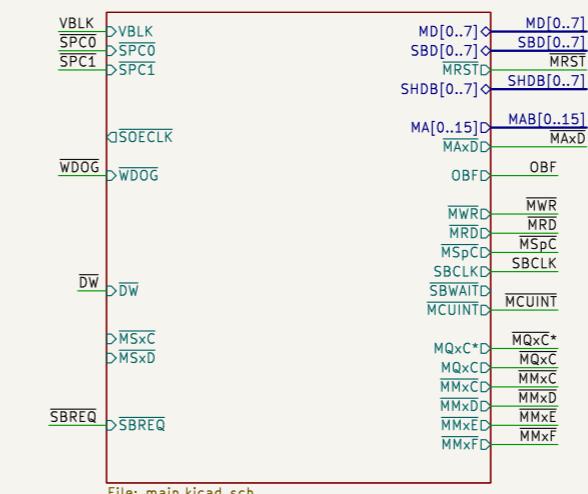
## Sound



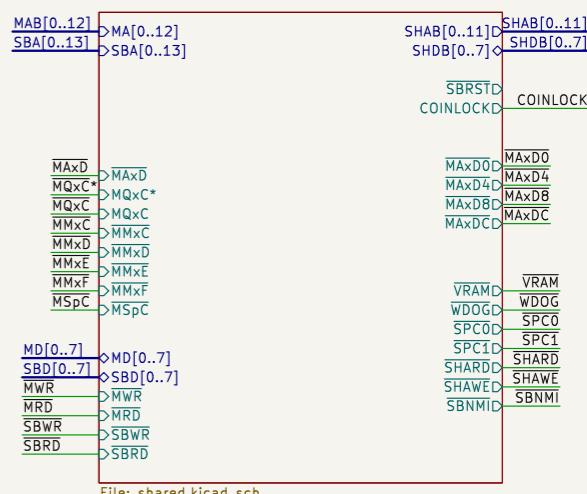
## Video



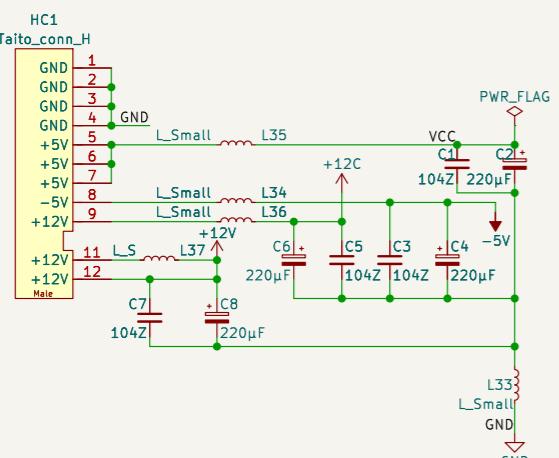
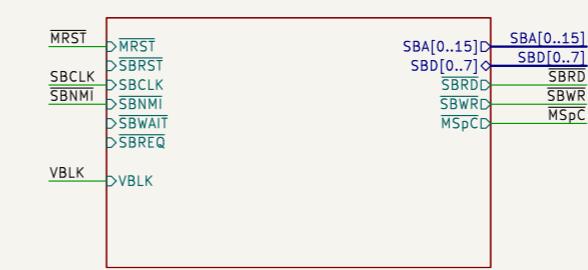
## Main



## Shared



## Sub



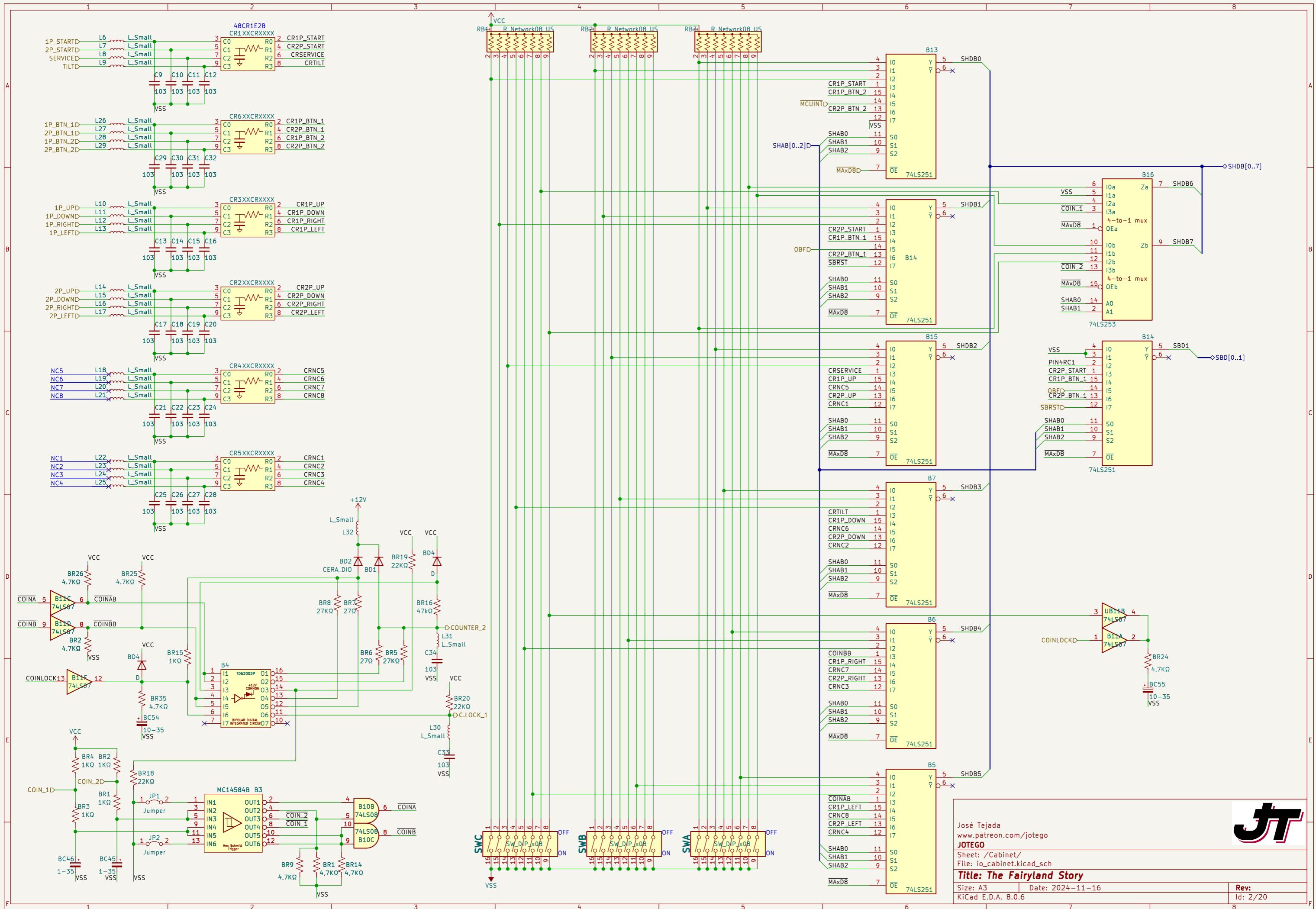
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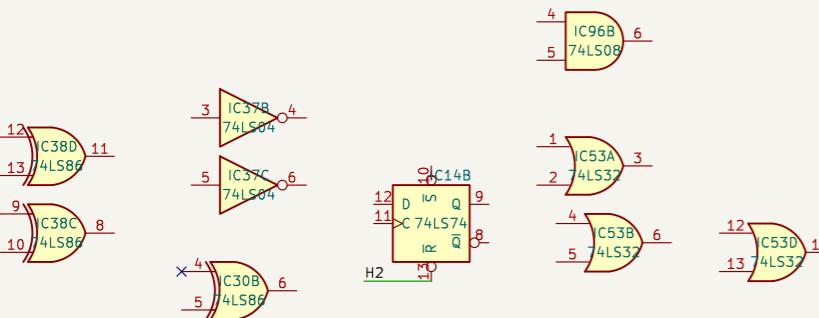
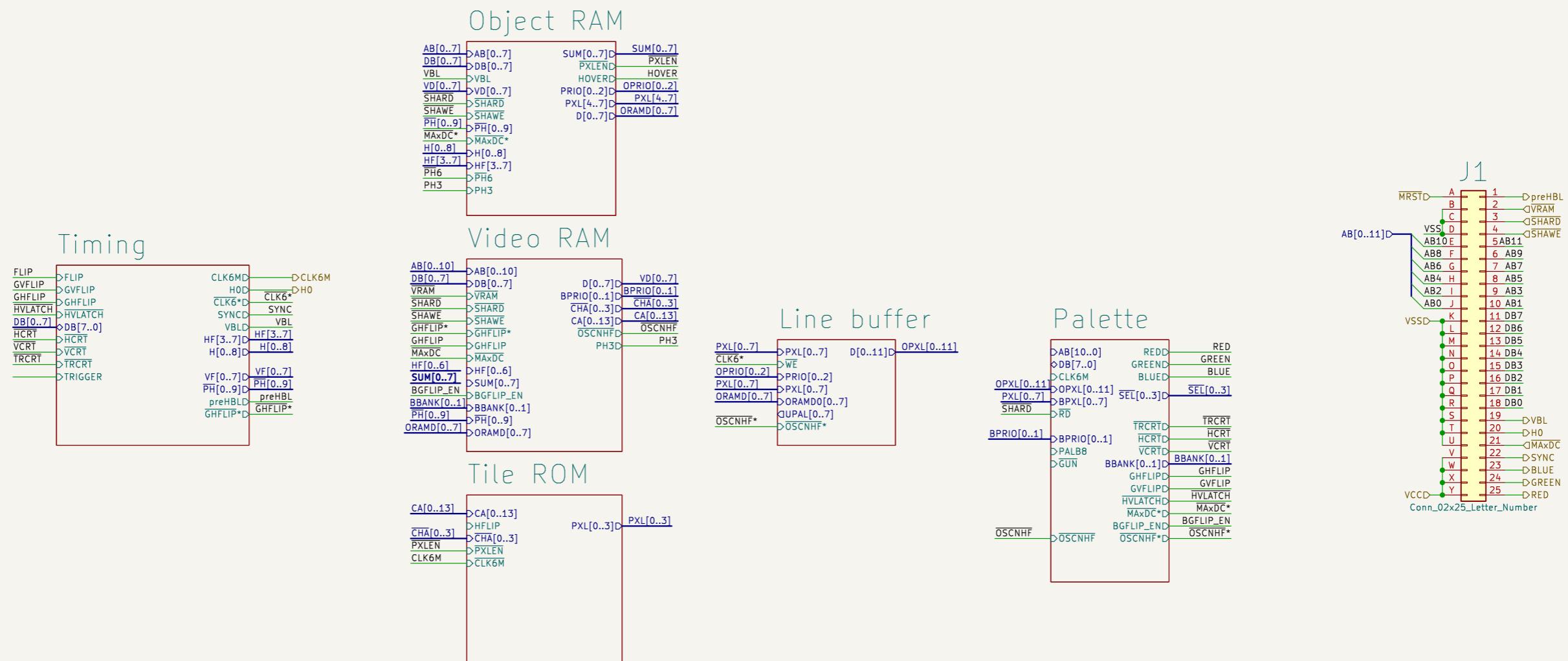
Sheet: /  
File: fairyland.kicad\_sch

**Title: The Fairyland Story**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev:  
Id: 1/20





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Sheet: /Video/

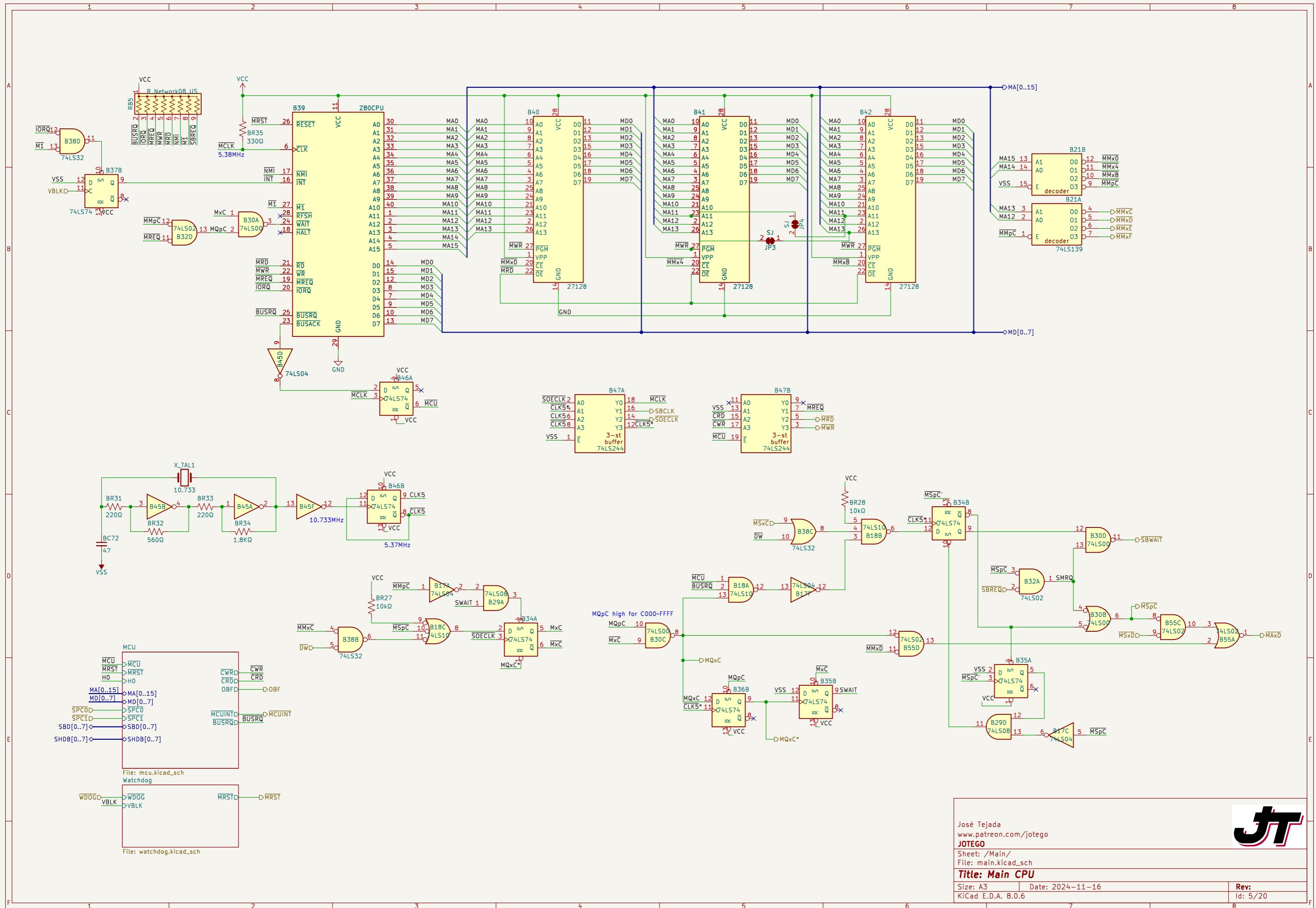
File: video.

## Title: The Fairy

Size: A3 Date: 2

KiCad E.D.A. 8.0.6

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Sheet: /Main/  
File: main.kicad\_sch

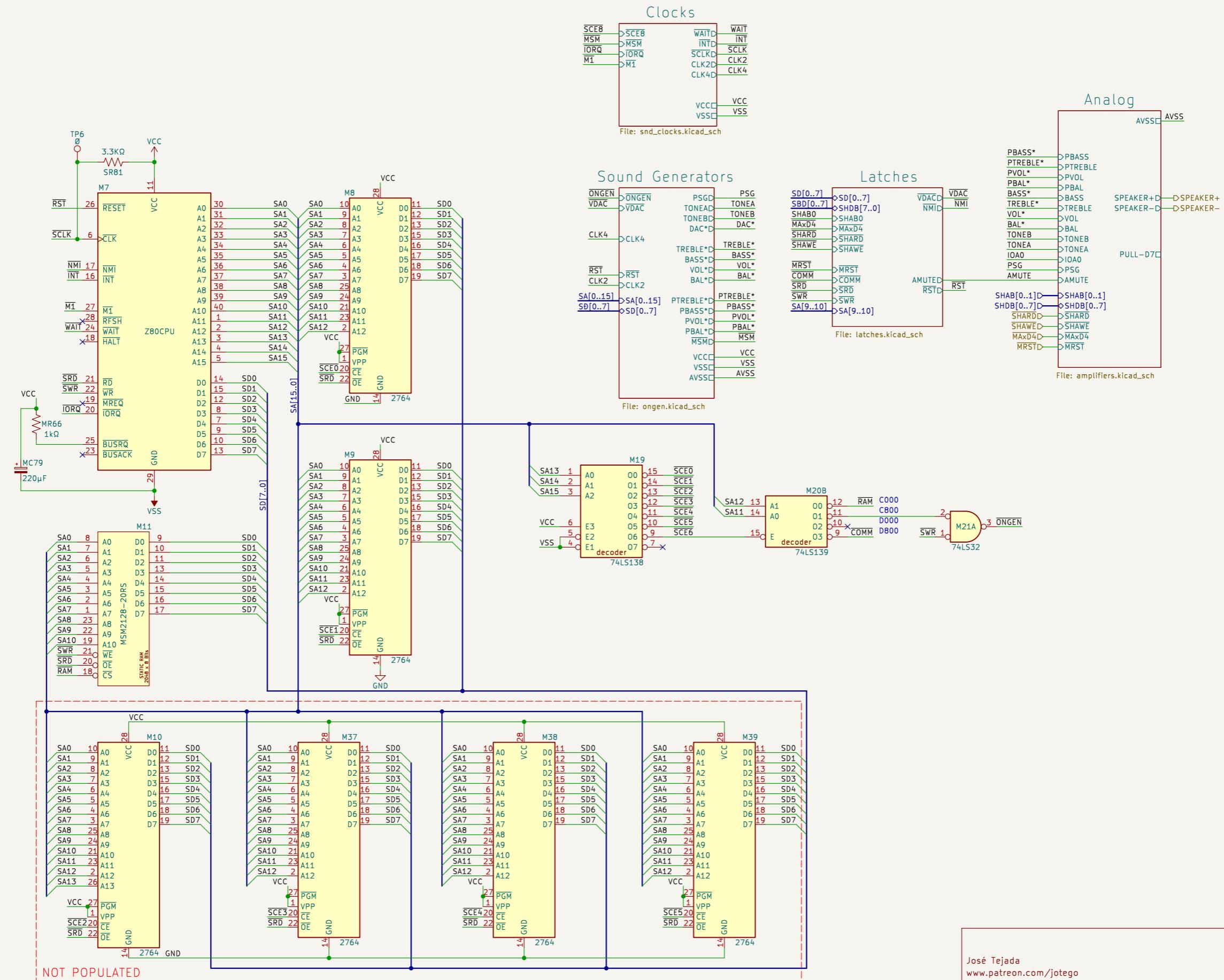
**Title: Main CPU**

Size: A3 | Date: 2024-11-16

KiCad E.D.A. 8.0.6



Rev: 5/20



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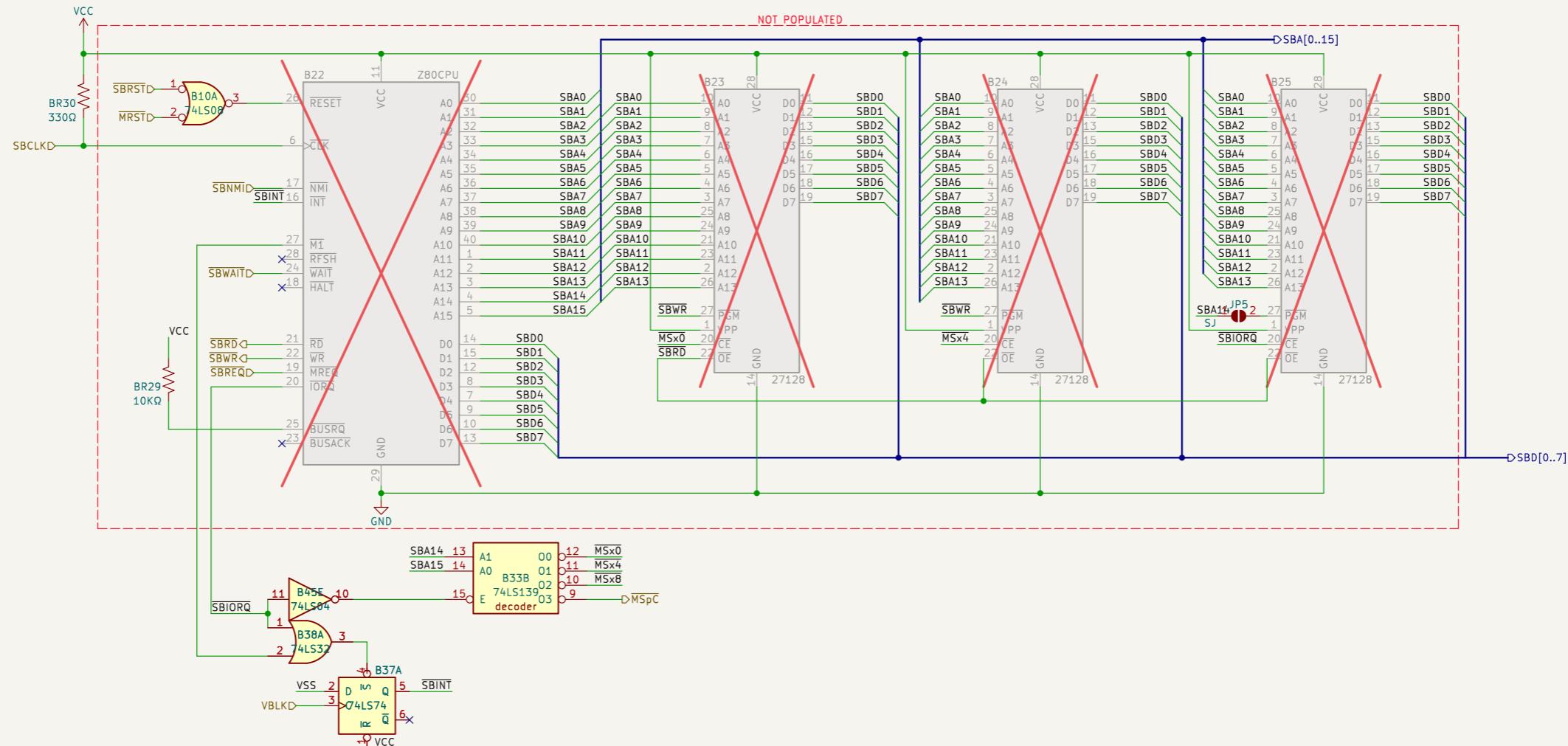
Sheet: /Sound/  
File: sound.kicad\_sch

**Title: Sound Board**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev: 7/20





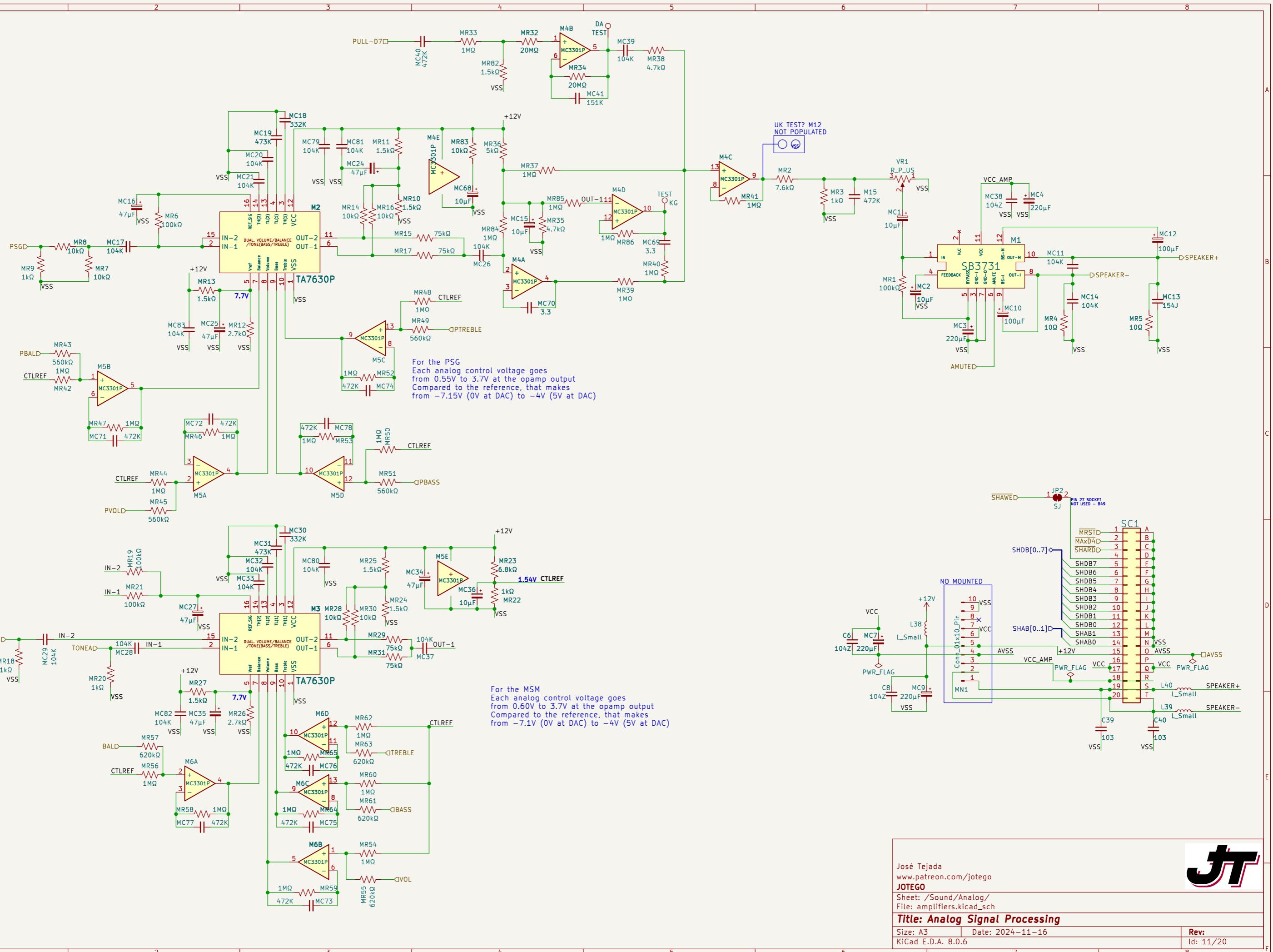
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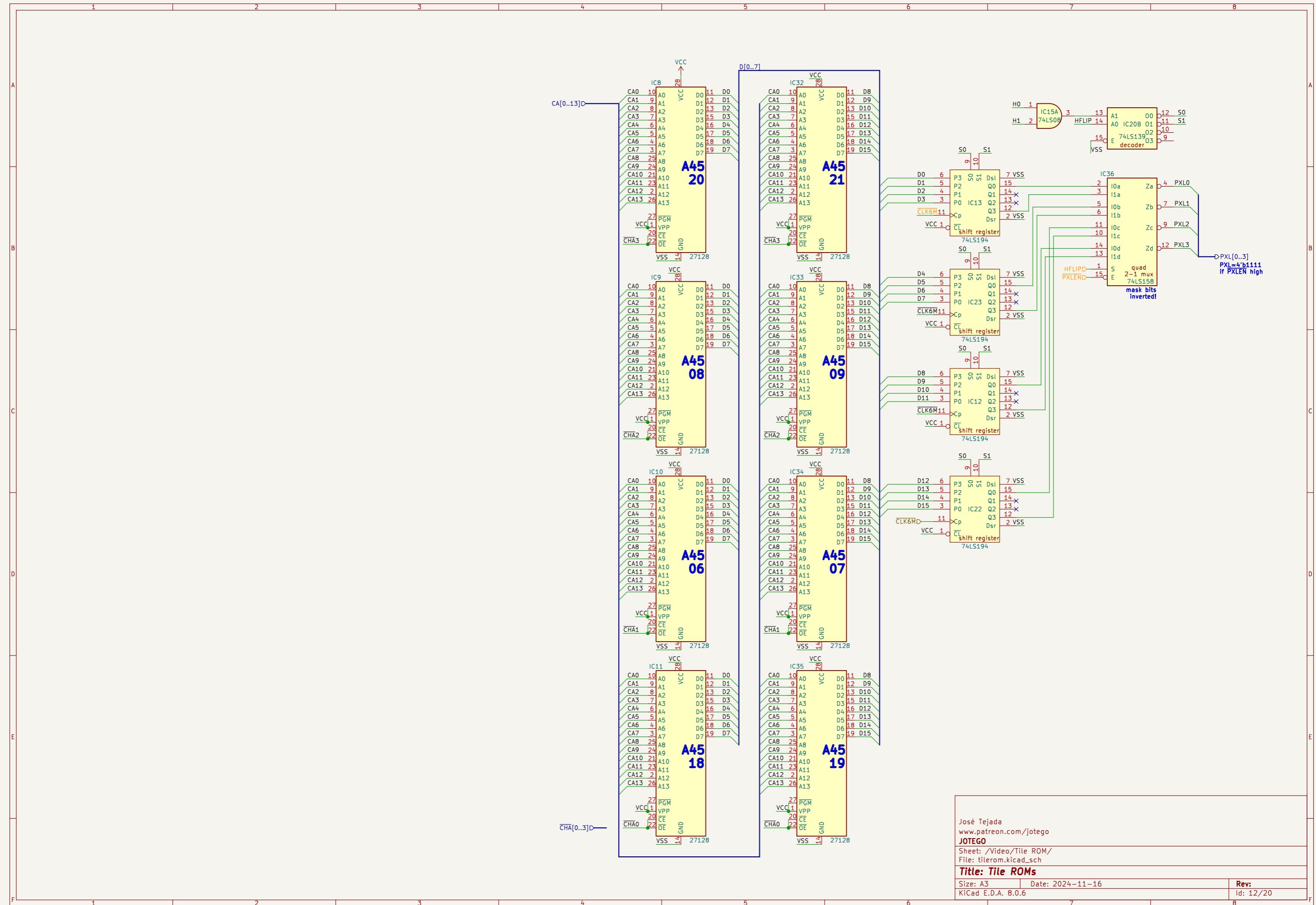
Sheet: /Sub/  
File: sub\_main.kicad\_sch

**Title: Subsidiary CPU**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev: 10/20





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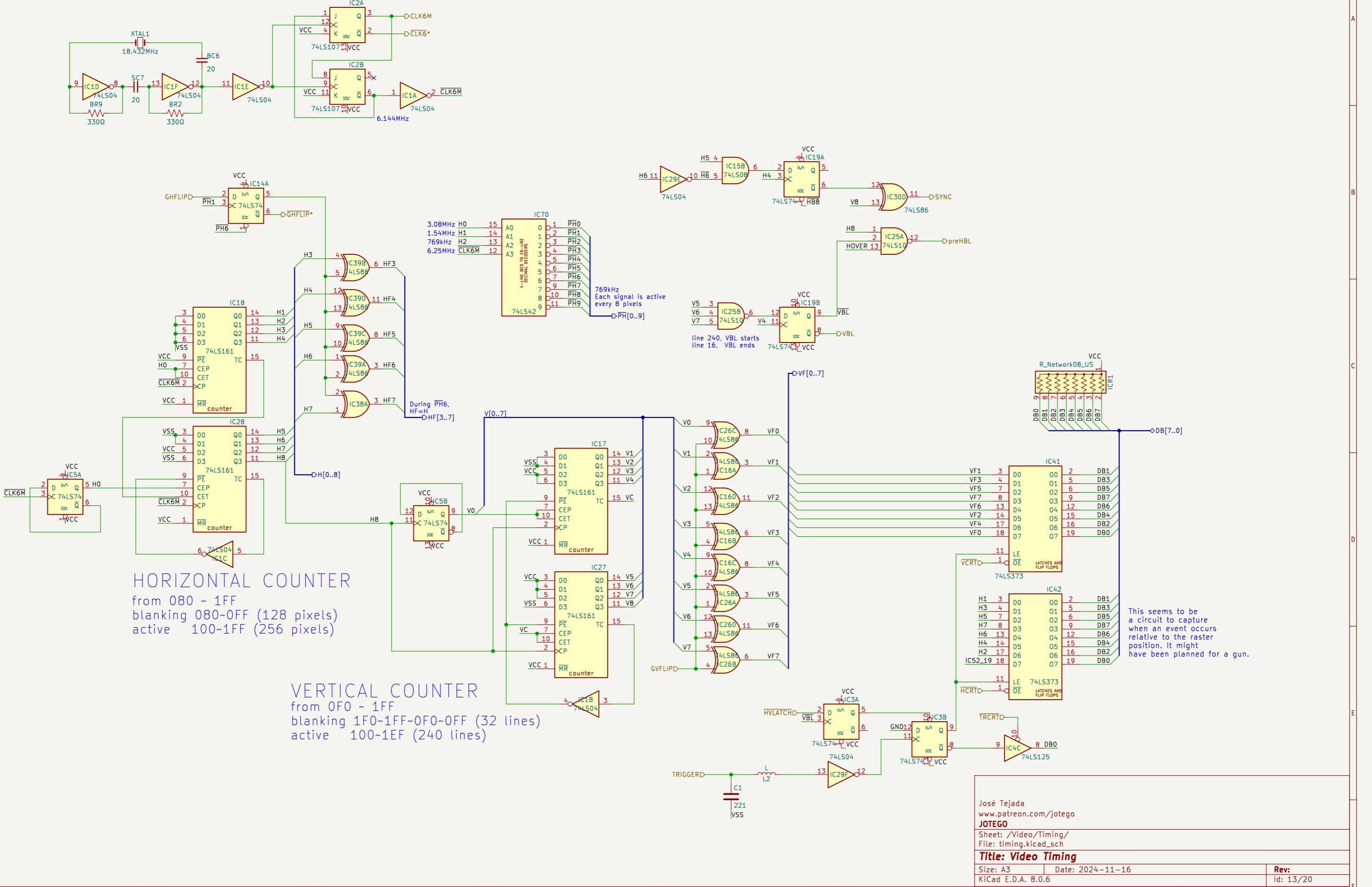
**JOTEGO**

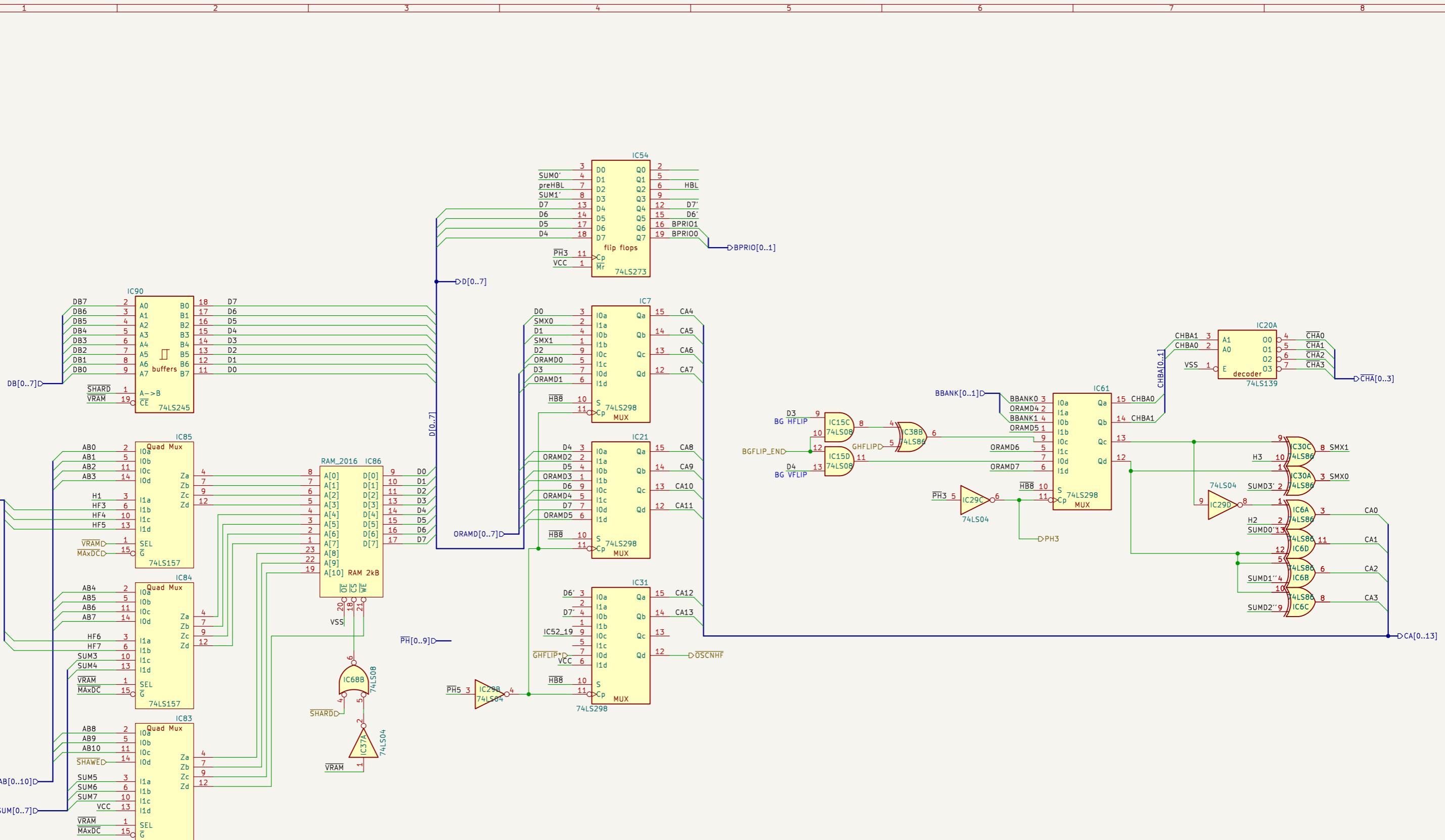
Sheet: /Video/Tile ROM/  
File: tilerom.kicad\_sch

**Title: Tile ROMs**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev: 12/20





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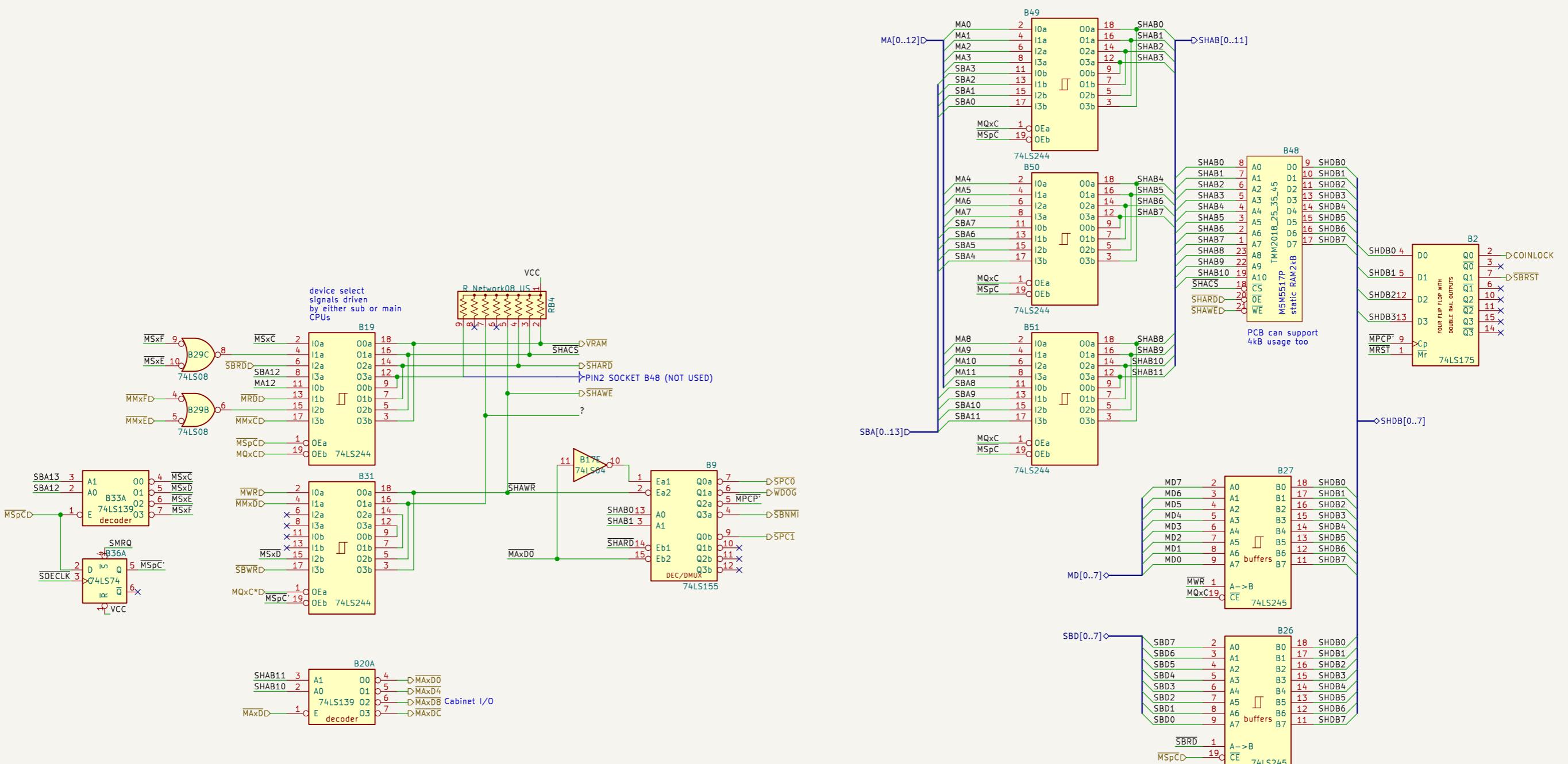
**JOTEGO**

Sheet: /Video/Video RAM/  
 File: vram.kicad\_sch

**Title: Background Video RAM**

Size: A3 | Date: 2024-11-16  
 KiCad E.D.A. 8.0.6

Rev: 13/20



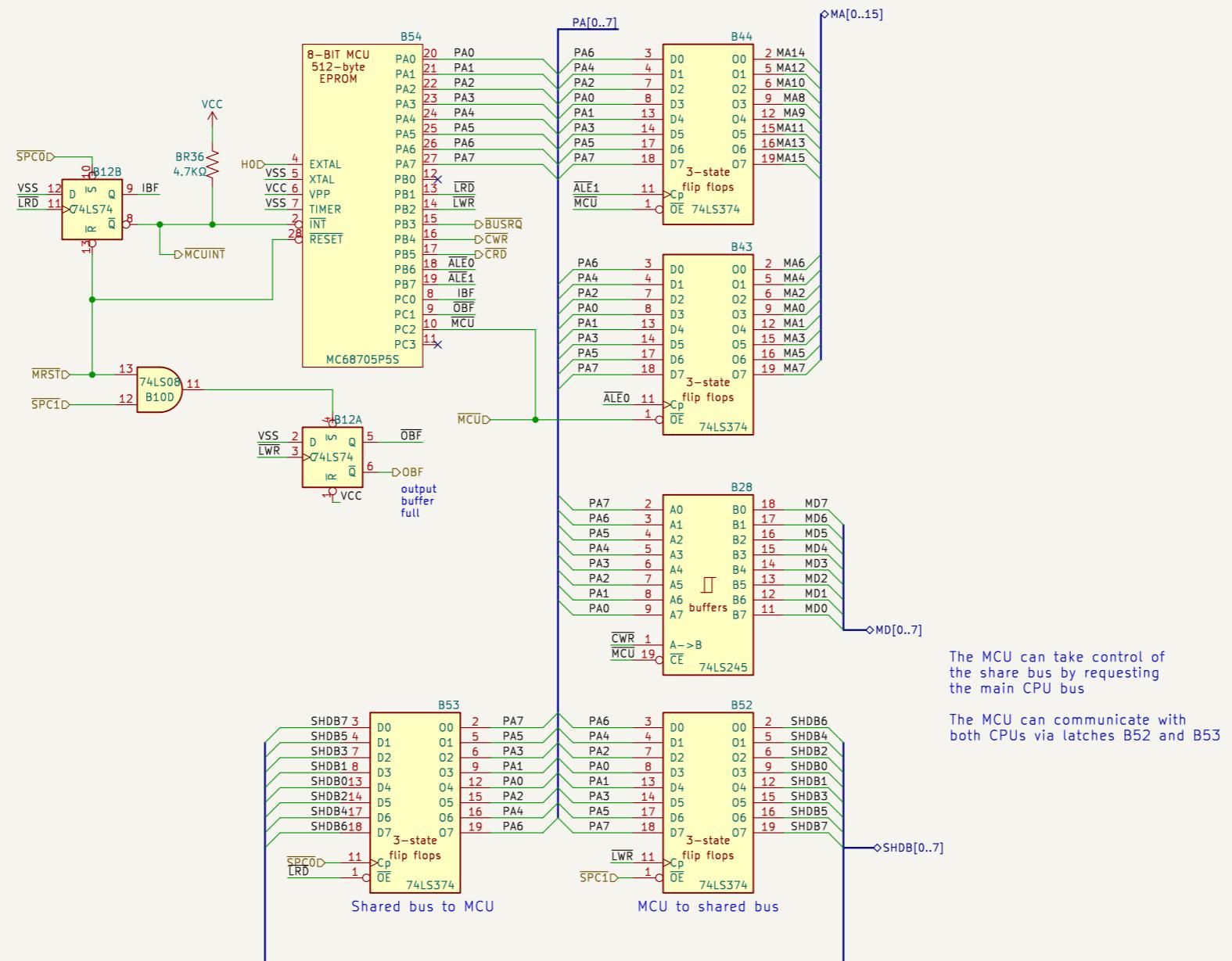
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Sheet: /Shared/  
File: shared.kicad\_sch

**Title: Shared bus and RAM**

Size: A3 | Date: 2024-11-16  
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Rev:  
Id: 13/20



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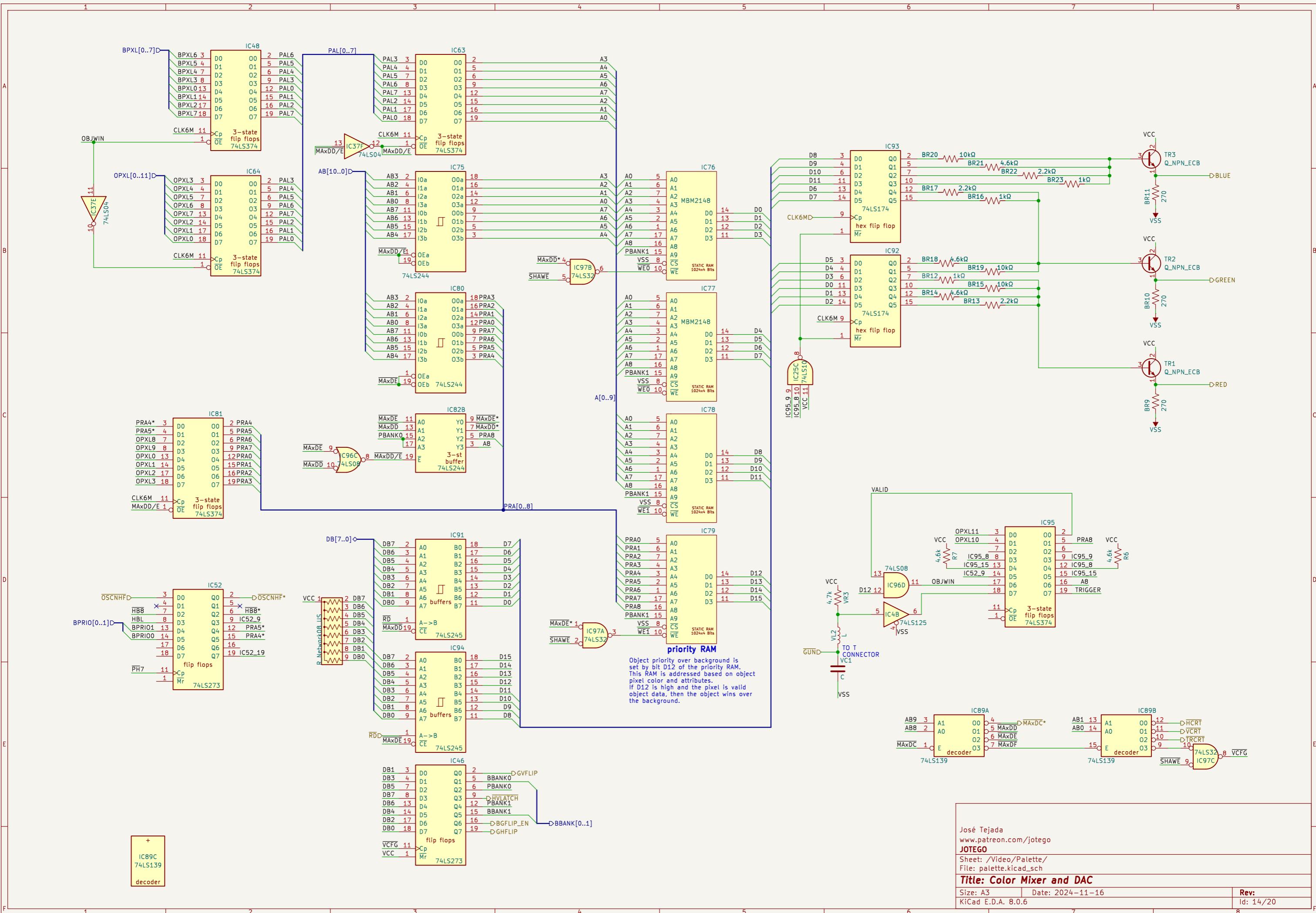
Sheet: /Main/MCU/  
File: mcu.kicad\_sch

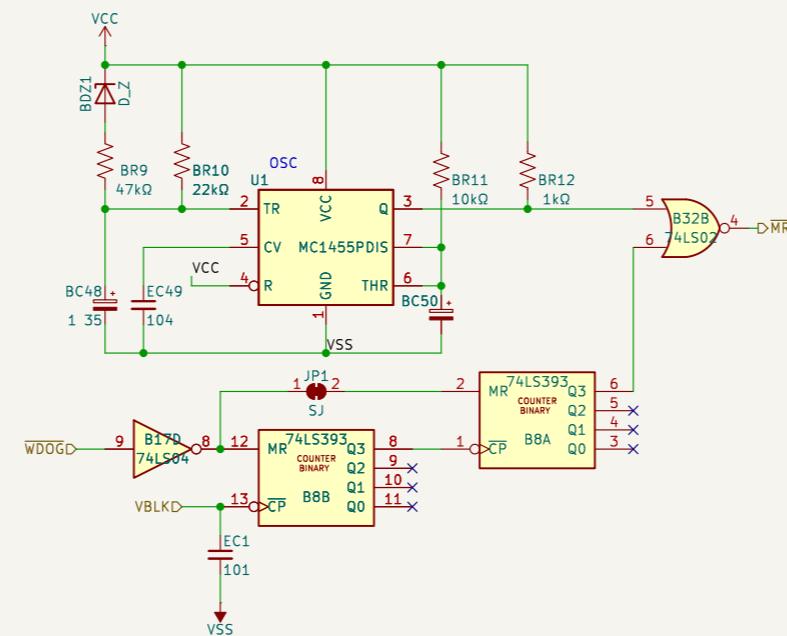
**Title: MCU**

Size: A3 Date: 2024-11-16  
K1G-1-E-P-A-005

KiCad E.D.A. 8.0.6

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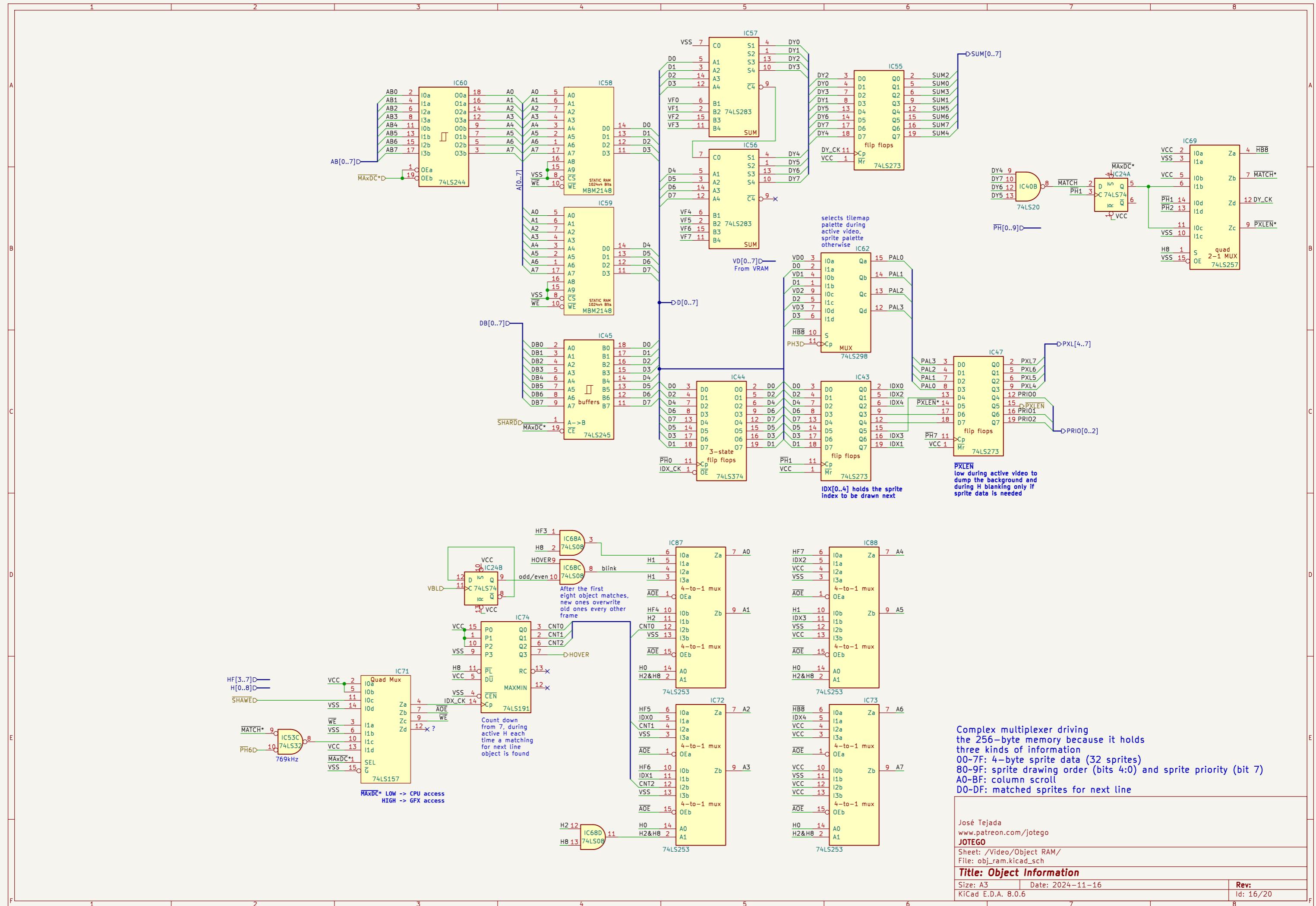
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**JOTEGO**

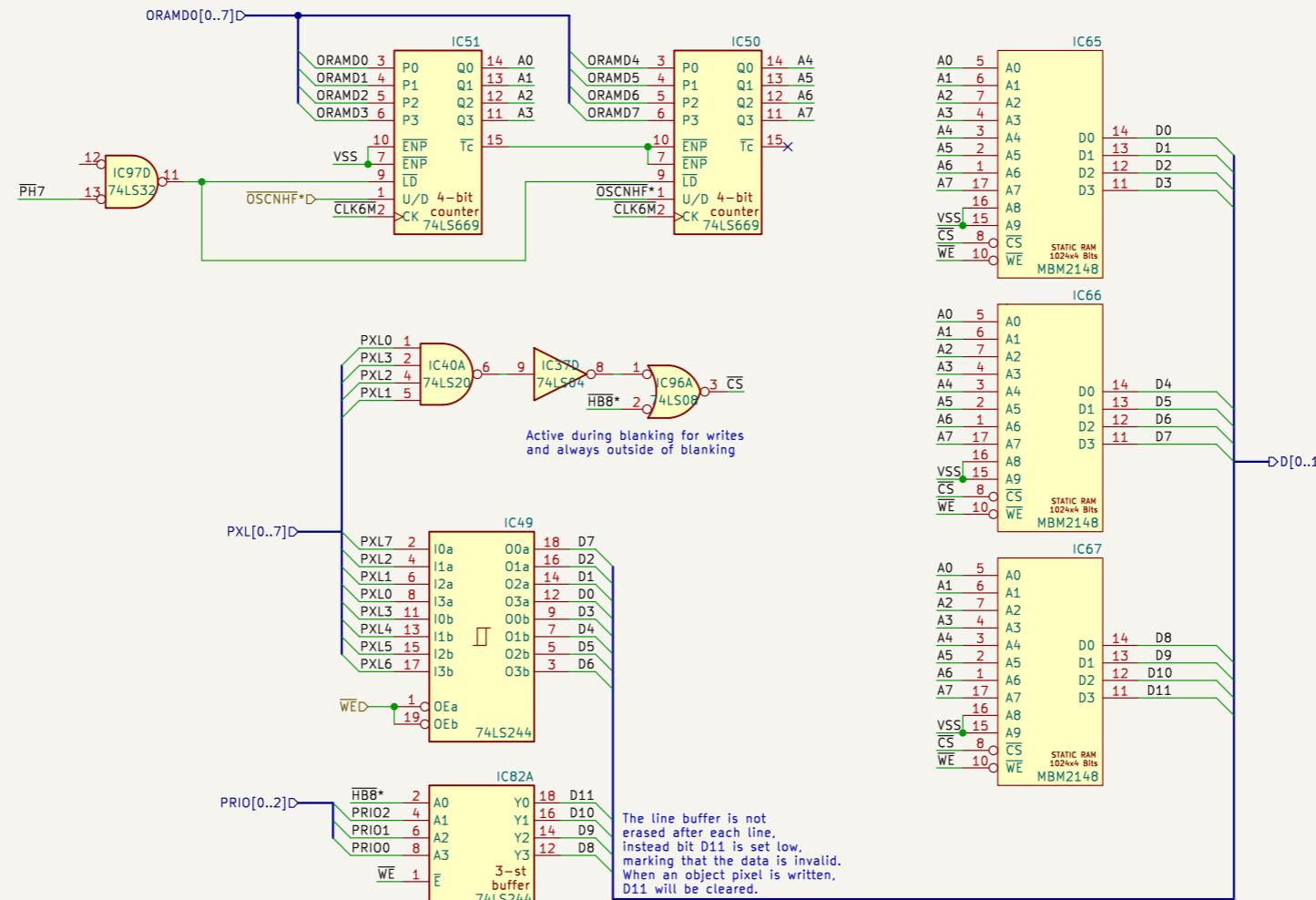
Sheet: /Main/Watchdog/  
File: watchdog.kicad\_sch

**Title:**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev:  
Id: 15/20





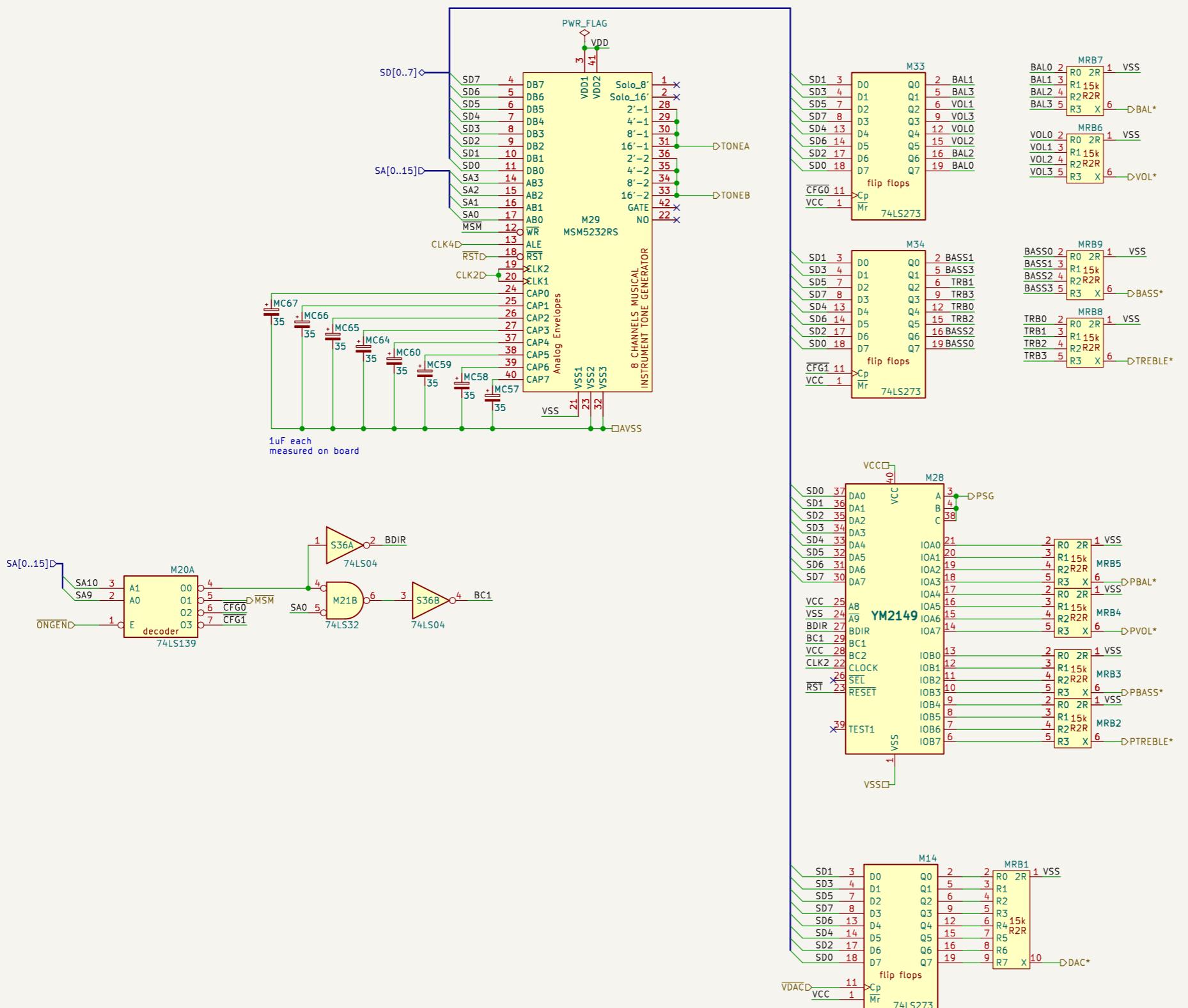
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**JOTEGO**

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

**Title: Single Line Video Buffer**

Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.6	Rev: 17/20





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

## Title: Sound Generators

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.6

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