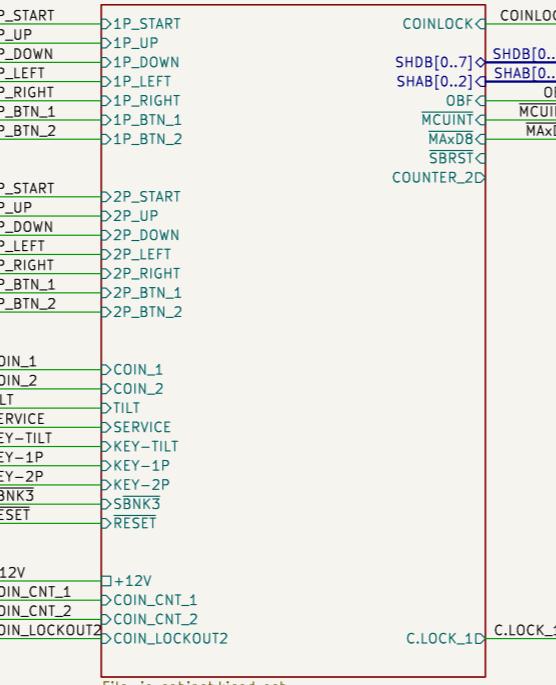
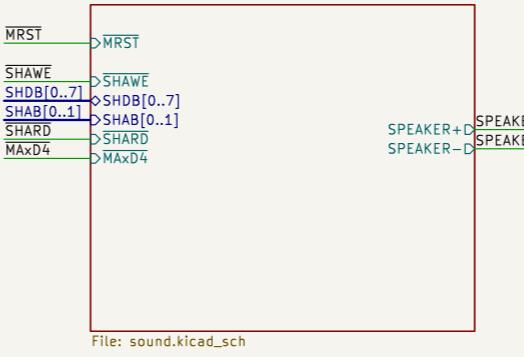


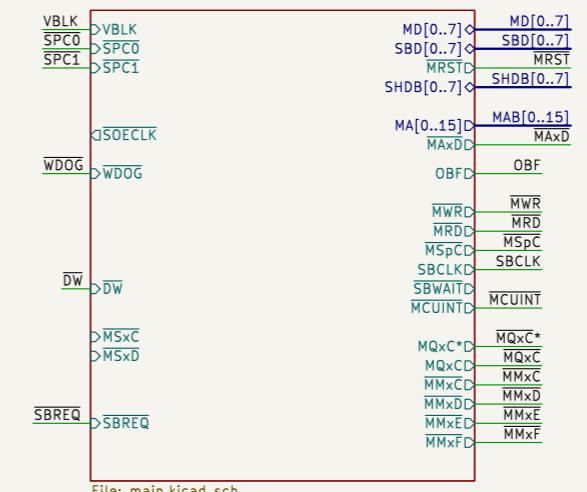
Cabinet



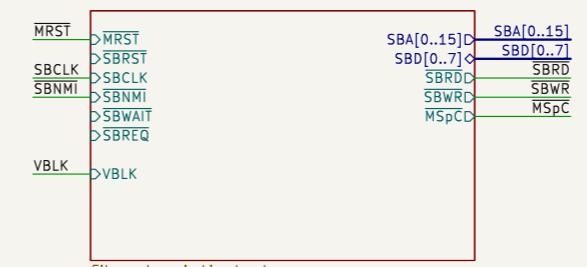
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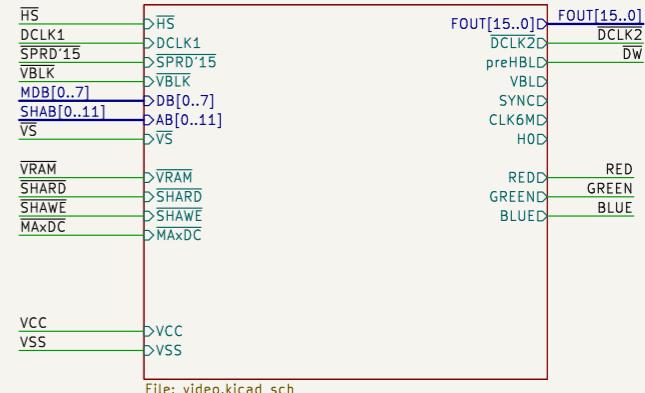
Main



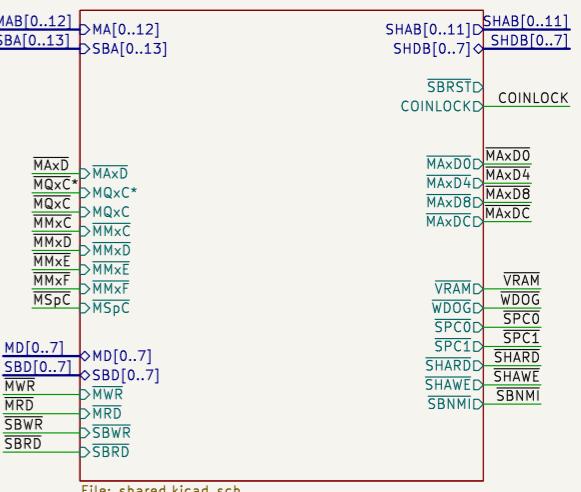
Sub



Video



Shared

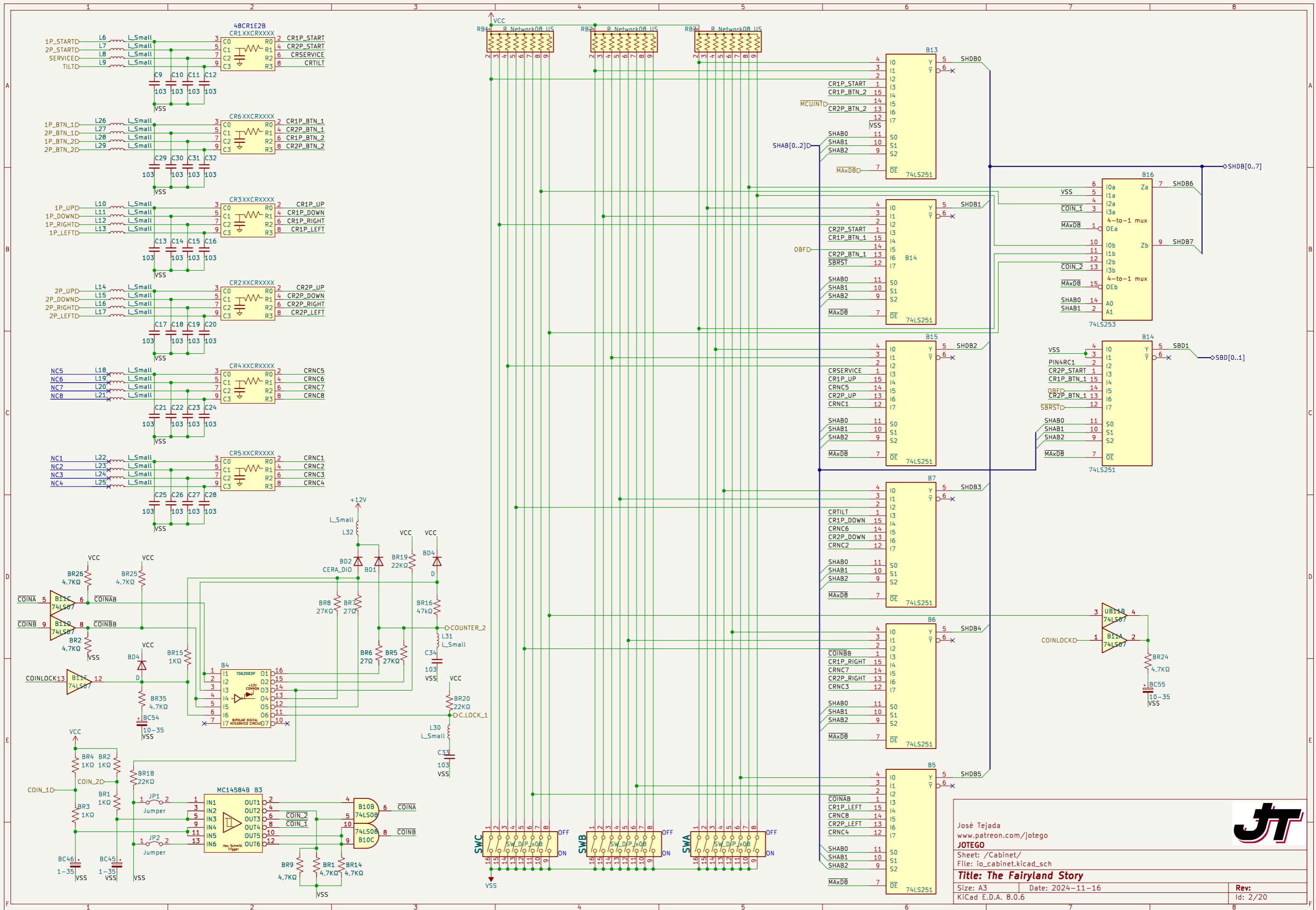


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File: fairyland.kicad_sch

Title: The Fairyland Story
Size: A3 | Date: 2024-11-16
KiCad E.D.A. 8.0.6

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1 2 3 4 5 6 7 8

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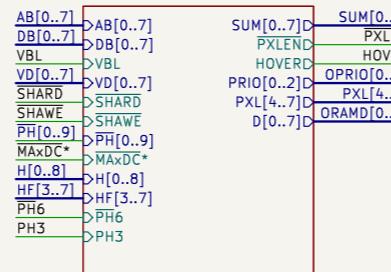
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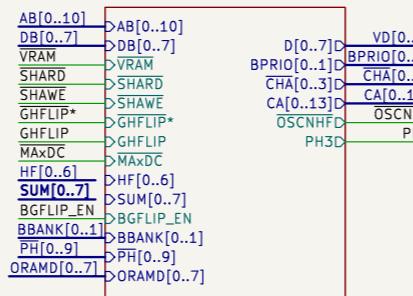
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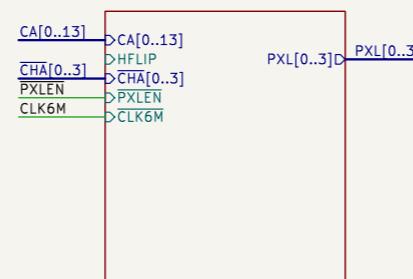
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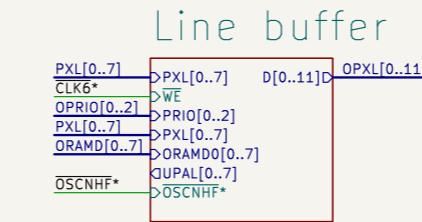
Video RAM



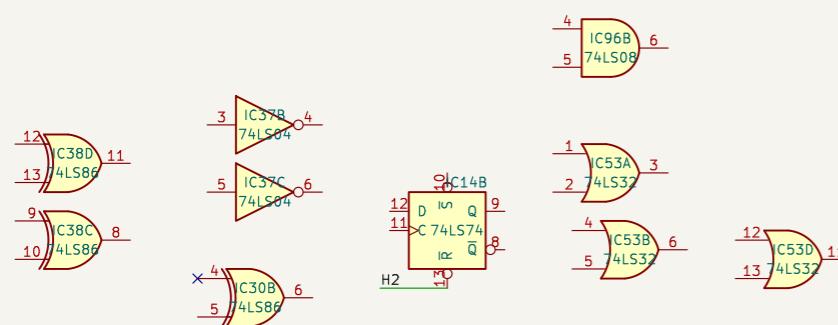
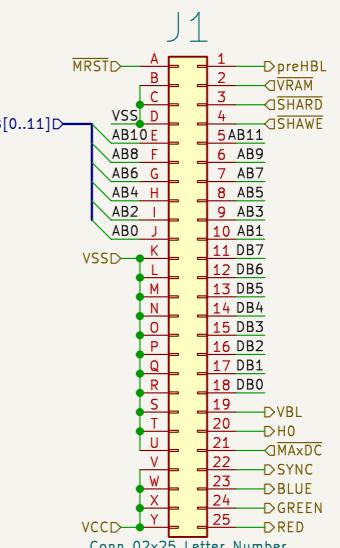
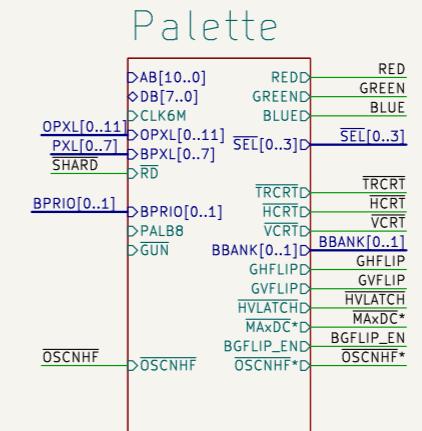
Tile ROM



Line buffer



Palette



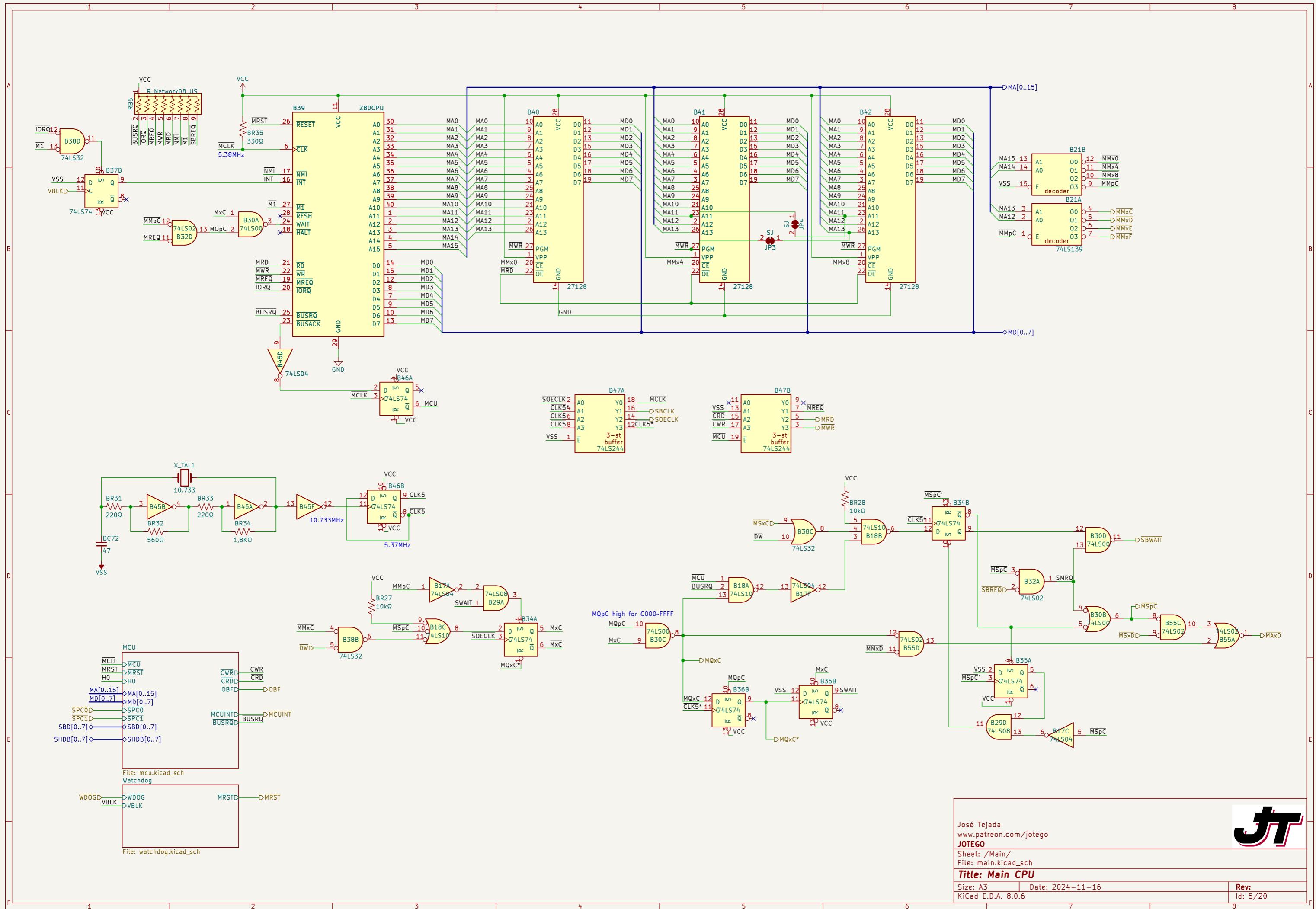
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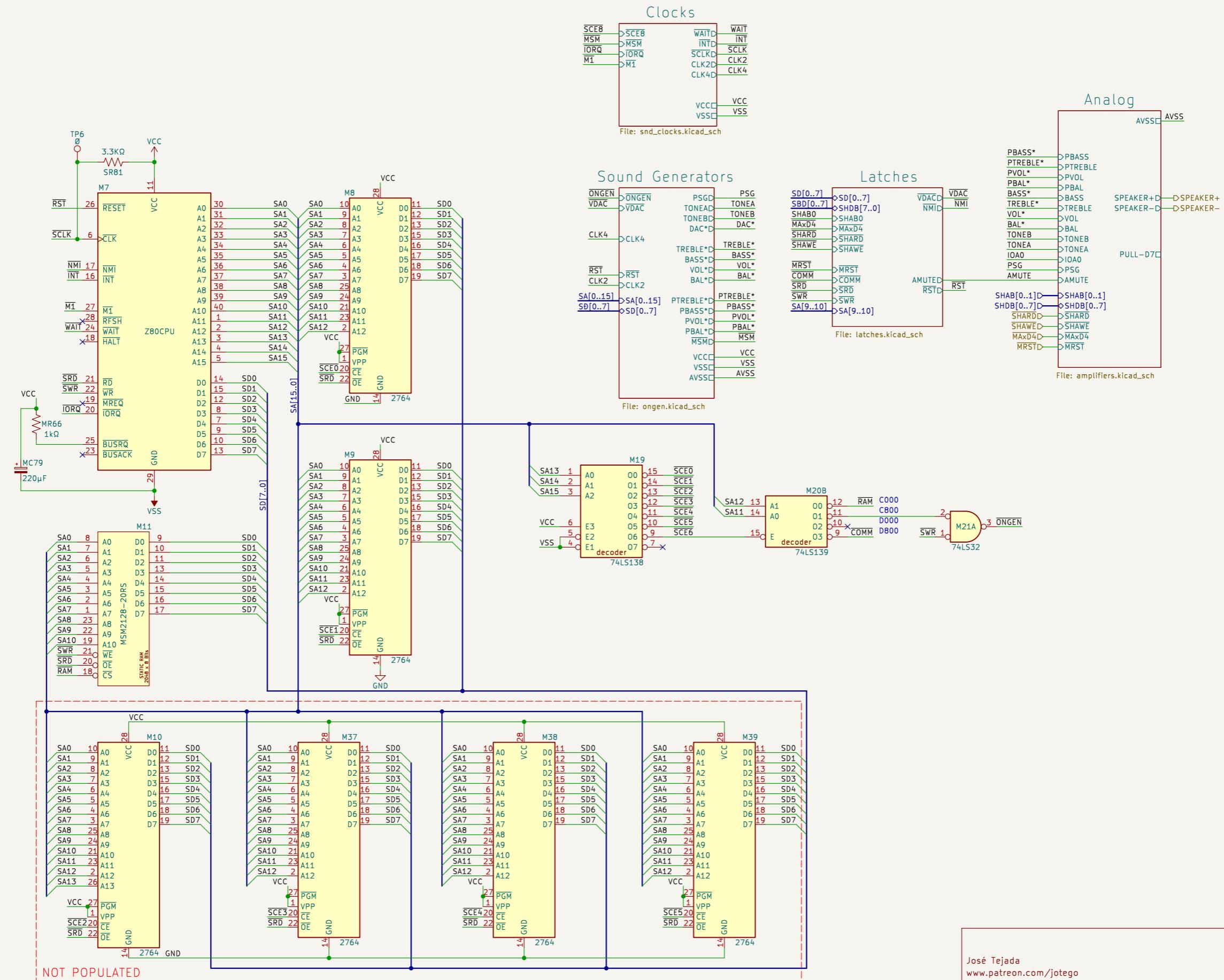
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Title: The Fairyland Story

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

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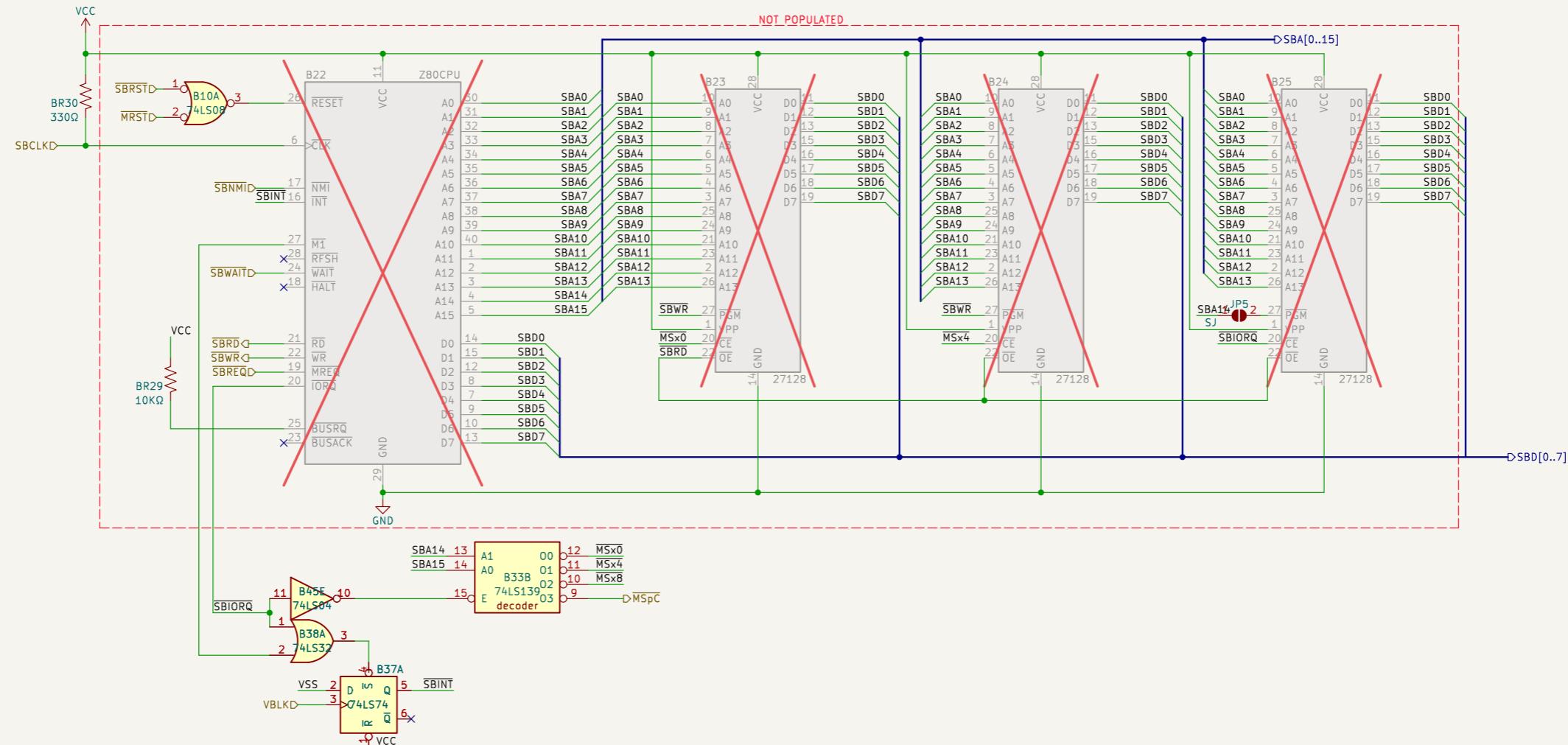
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File: sound.kicad_sch

Title: Sound Board

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

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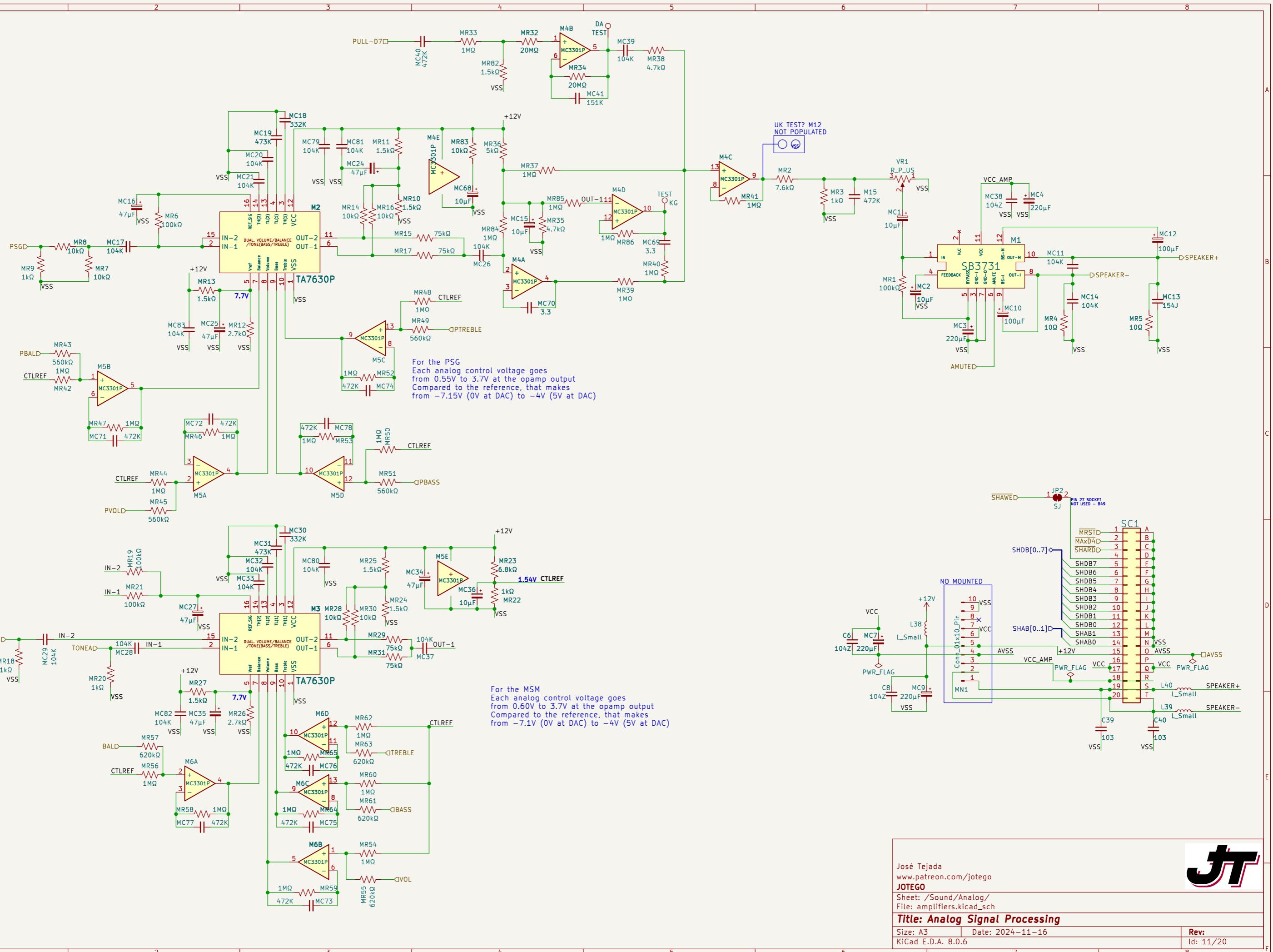


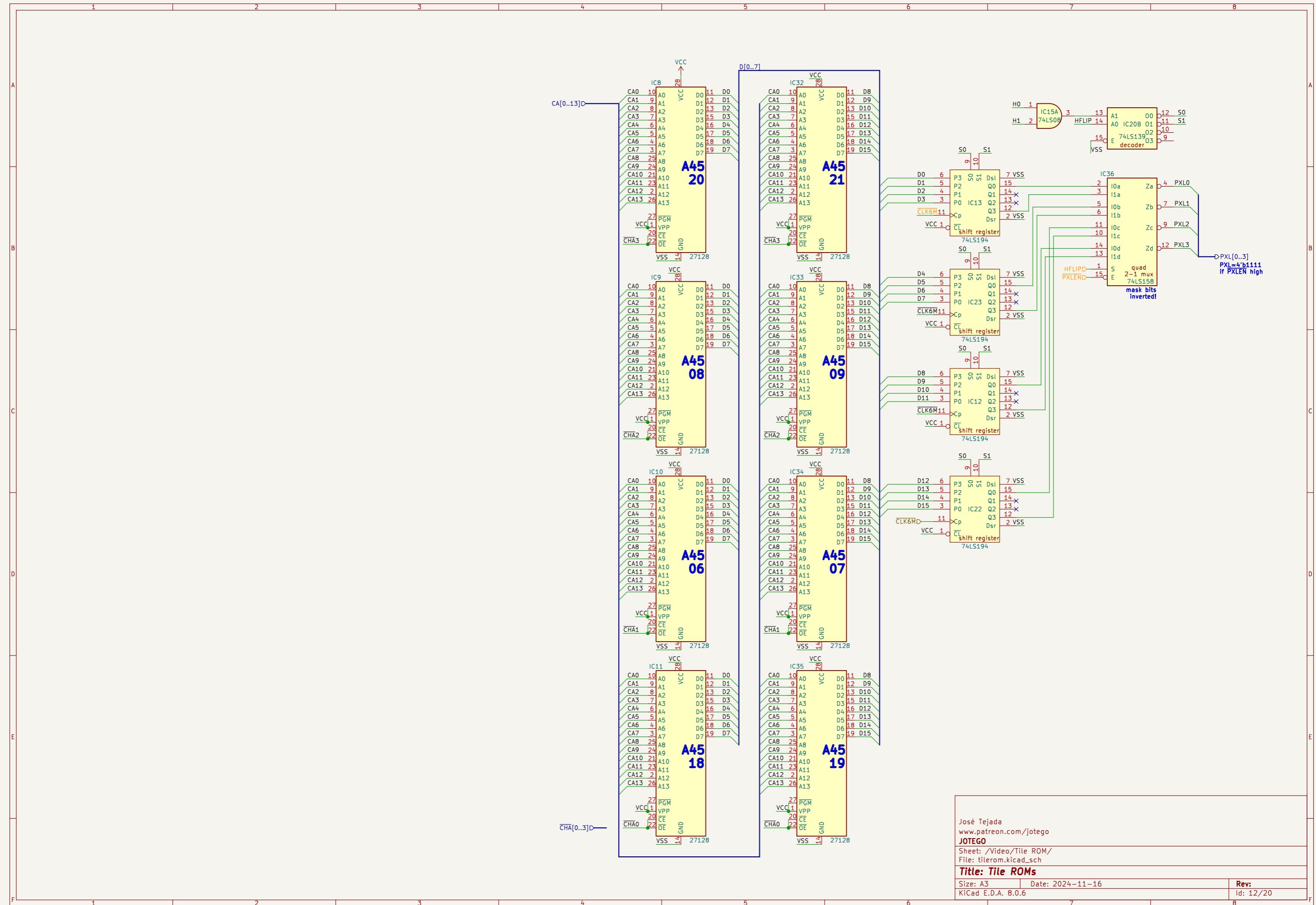
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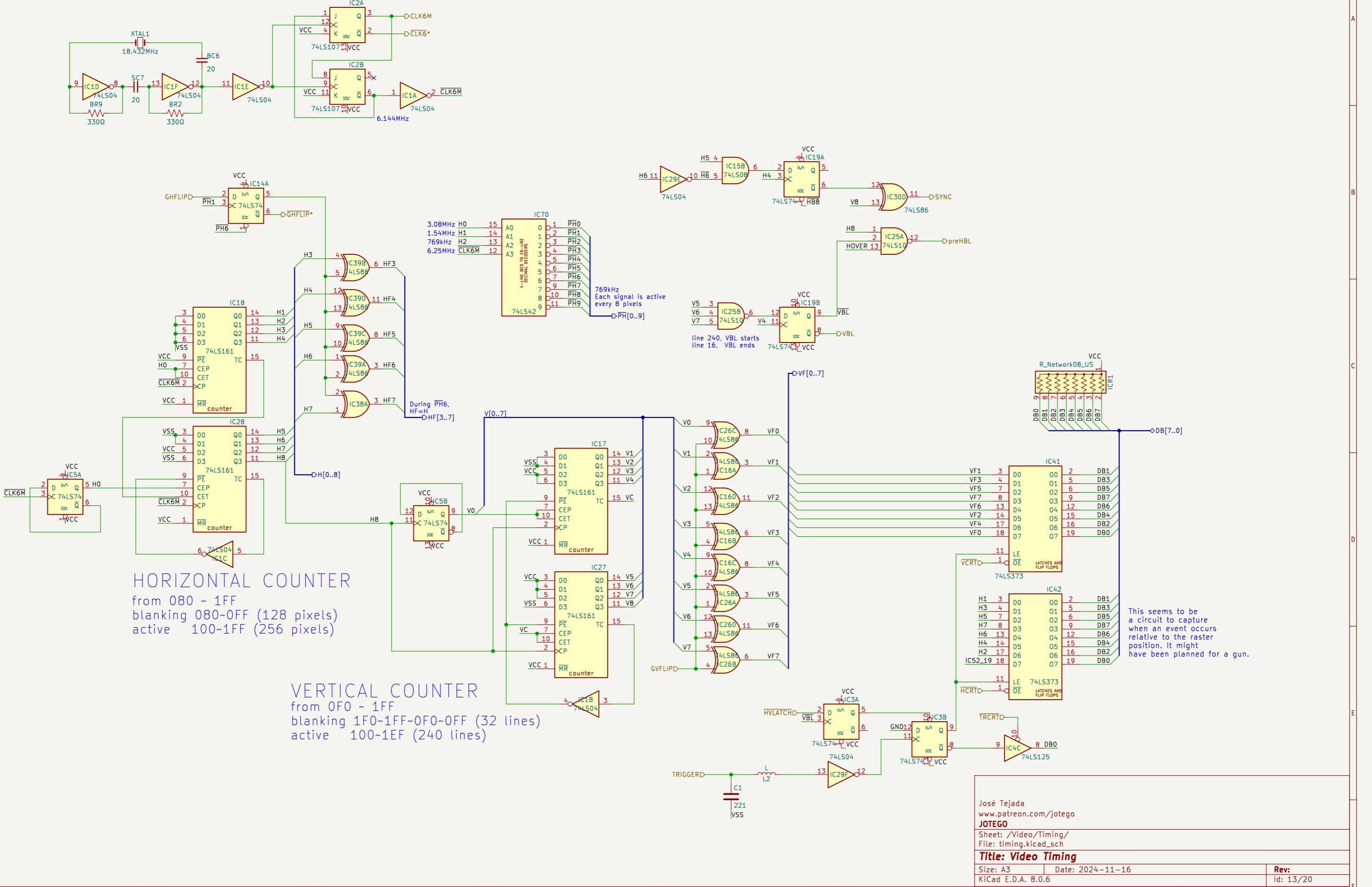
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Title: Subsidiary CPU

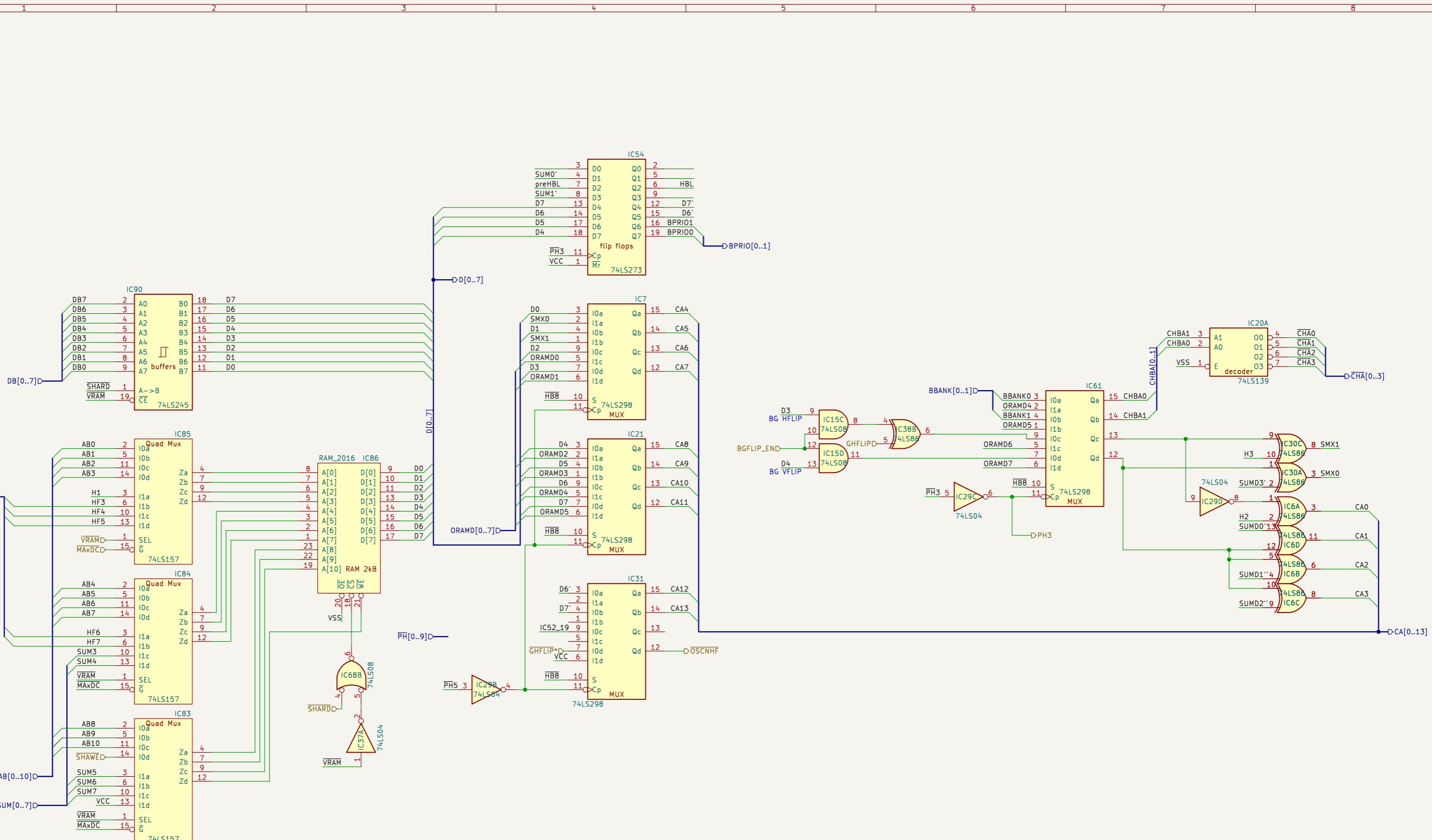
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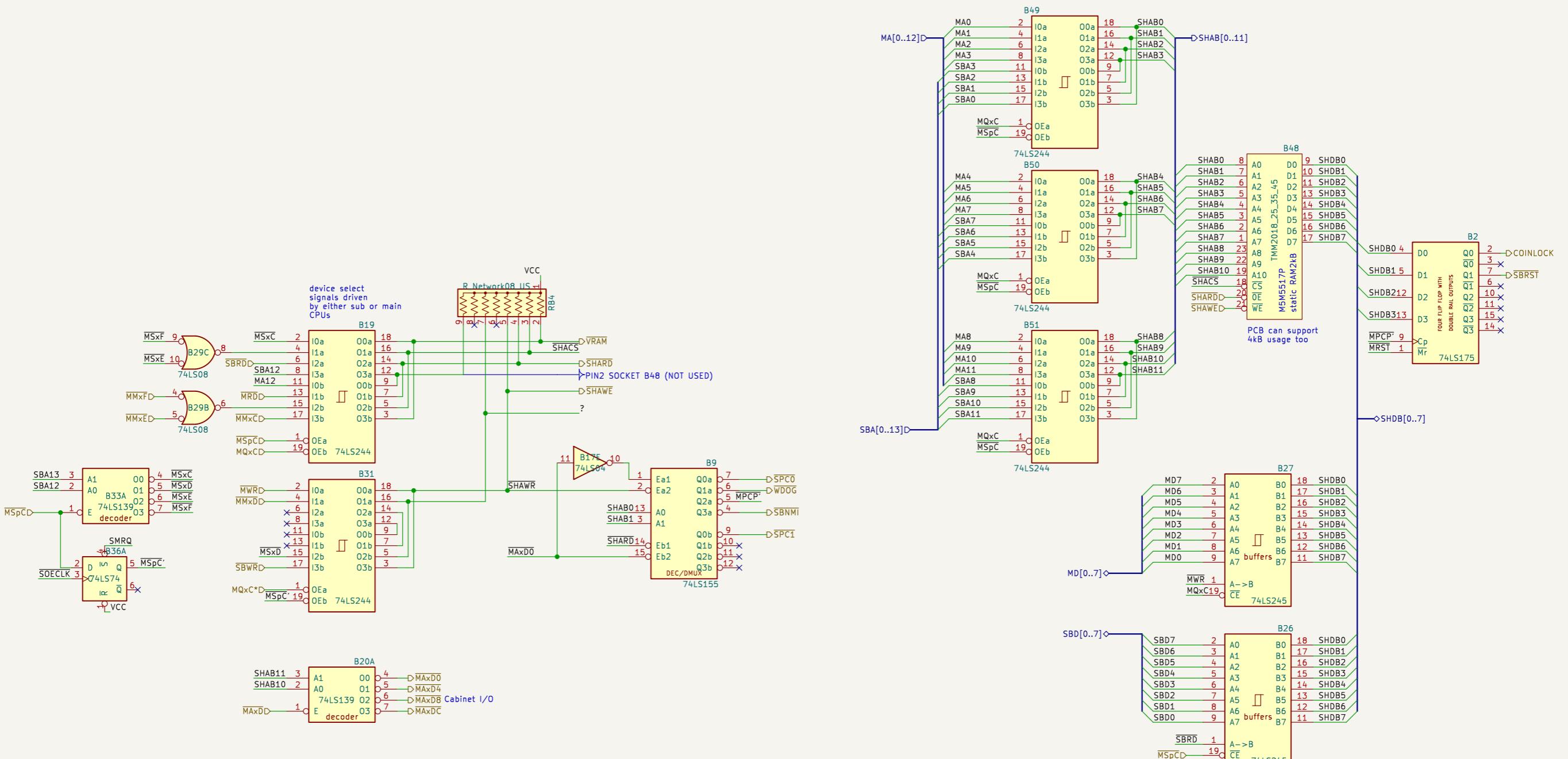
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Sheet: /Video/Video RAM/
File: vram.kicad_sch

Title: Background Video RAM

Size: A3 | Date: 2024-11-16
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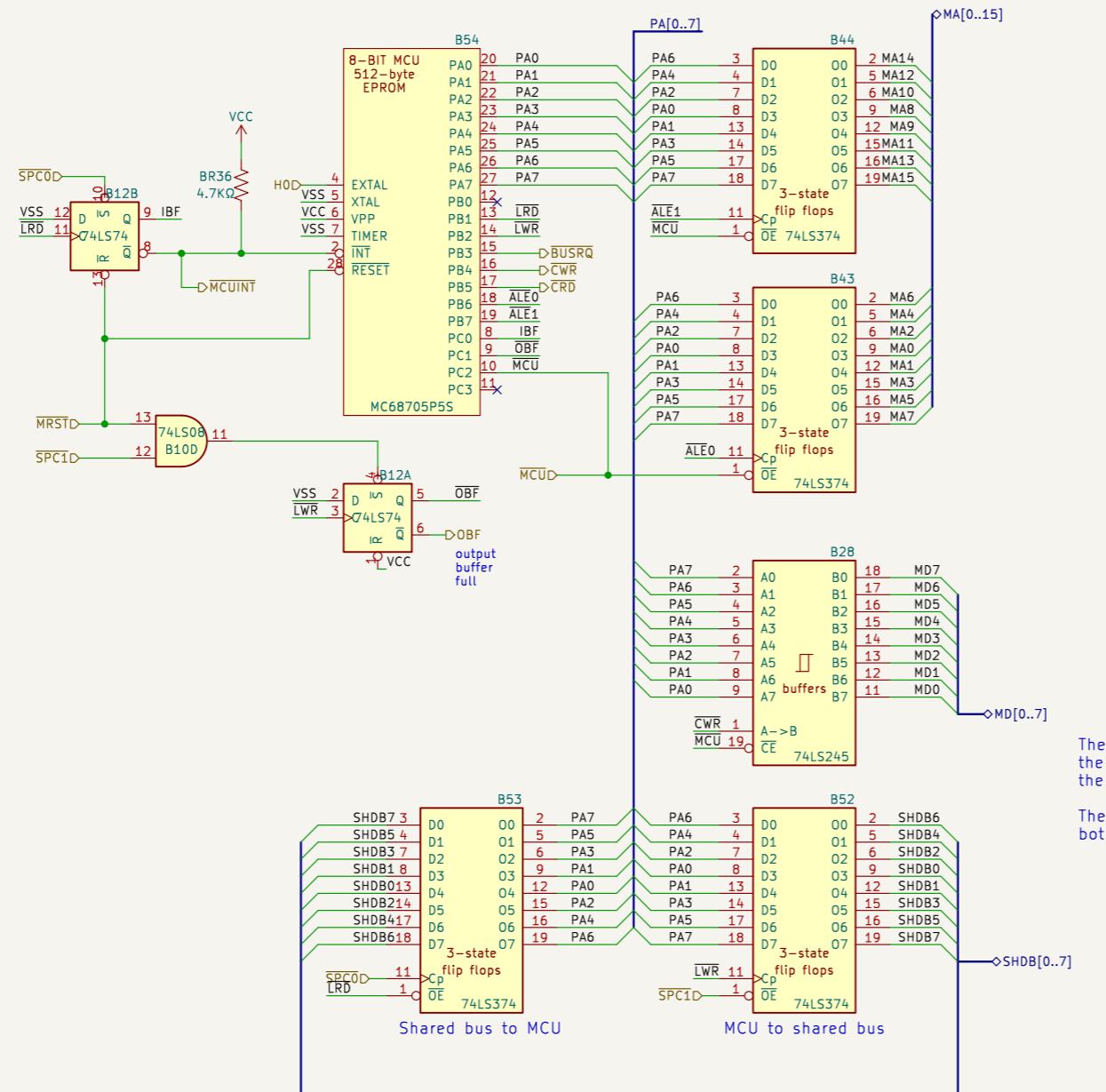
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Sheet: /Shared/
File: shared.kicad_sch

Title: Shared bus and RAM

Size: A3 | Date: 2024-11-16
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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

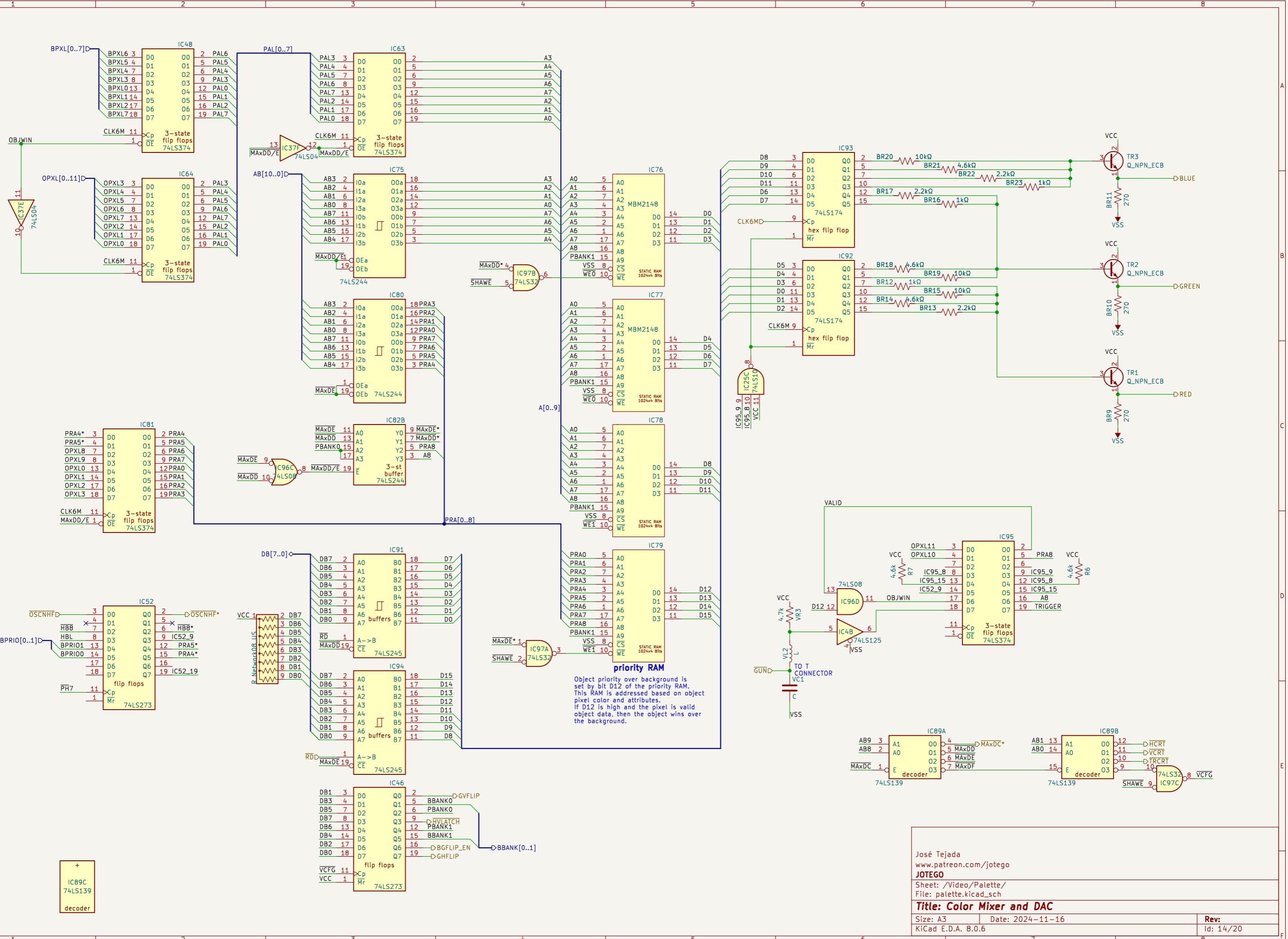
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Sheet: /Main/MCU/
File: mcu.kicad_sch

Title: MCU

Size: A3 | Date: 2024-11-16
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Sheet: /Video/Palette/
File: palette.kicad_sch

Title: Color Mixer and DAC
Size: A3 | Date: 2024-11-16
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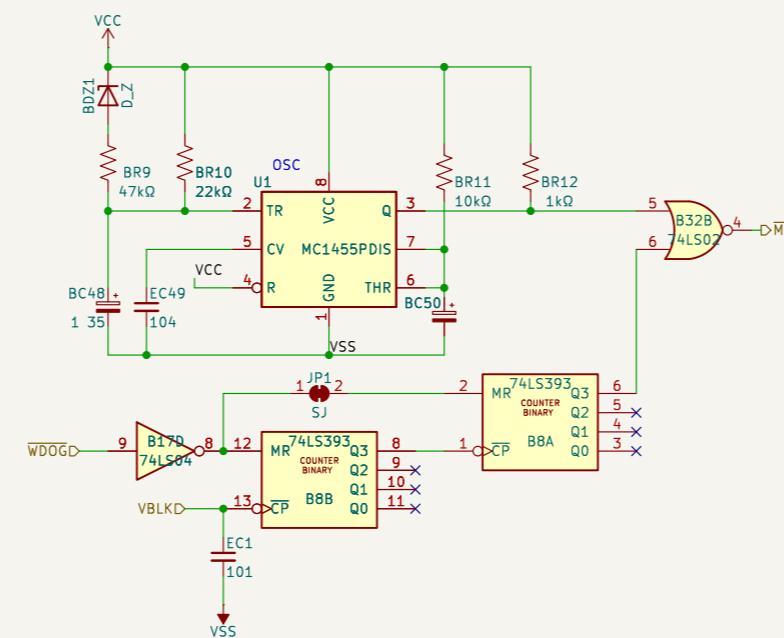
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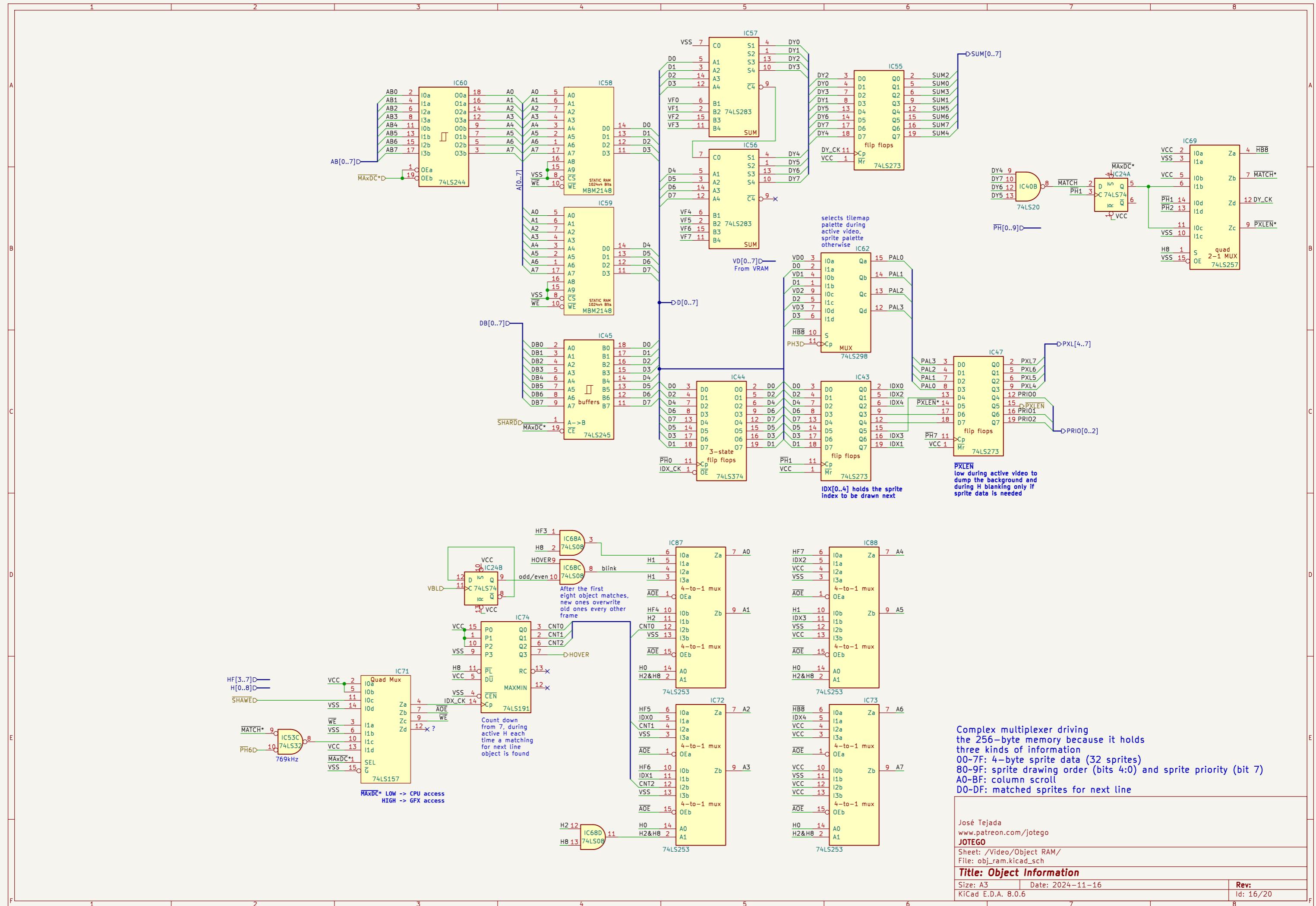
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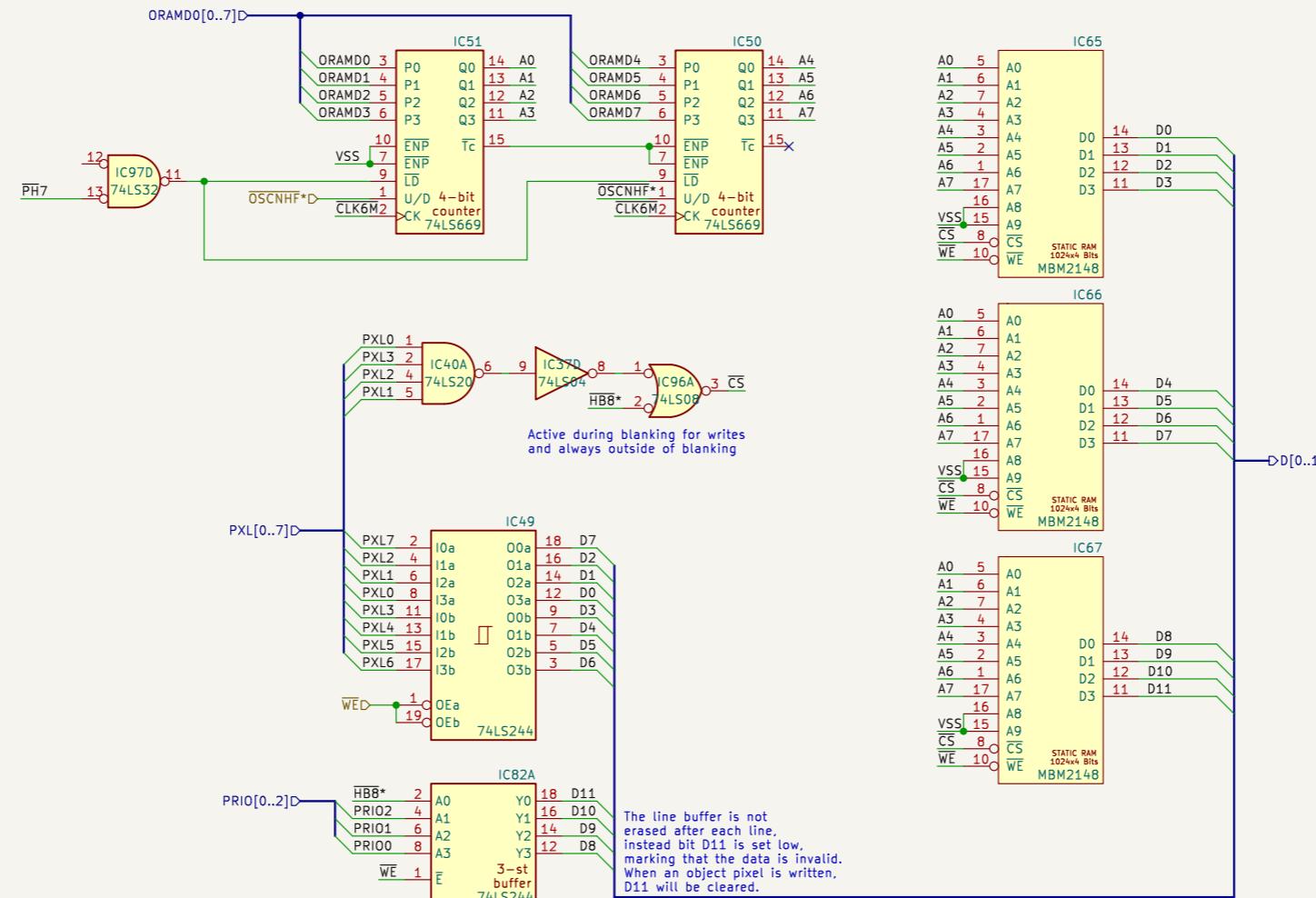
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Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.6	

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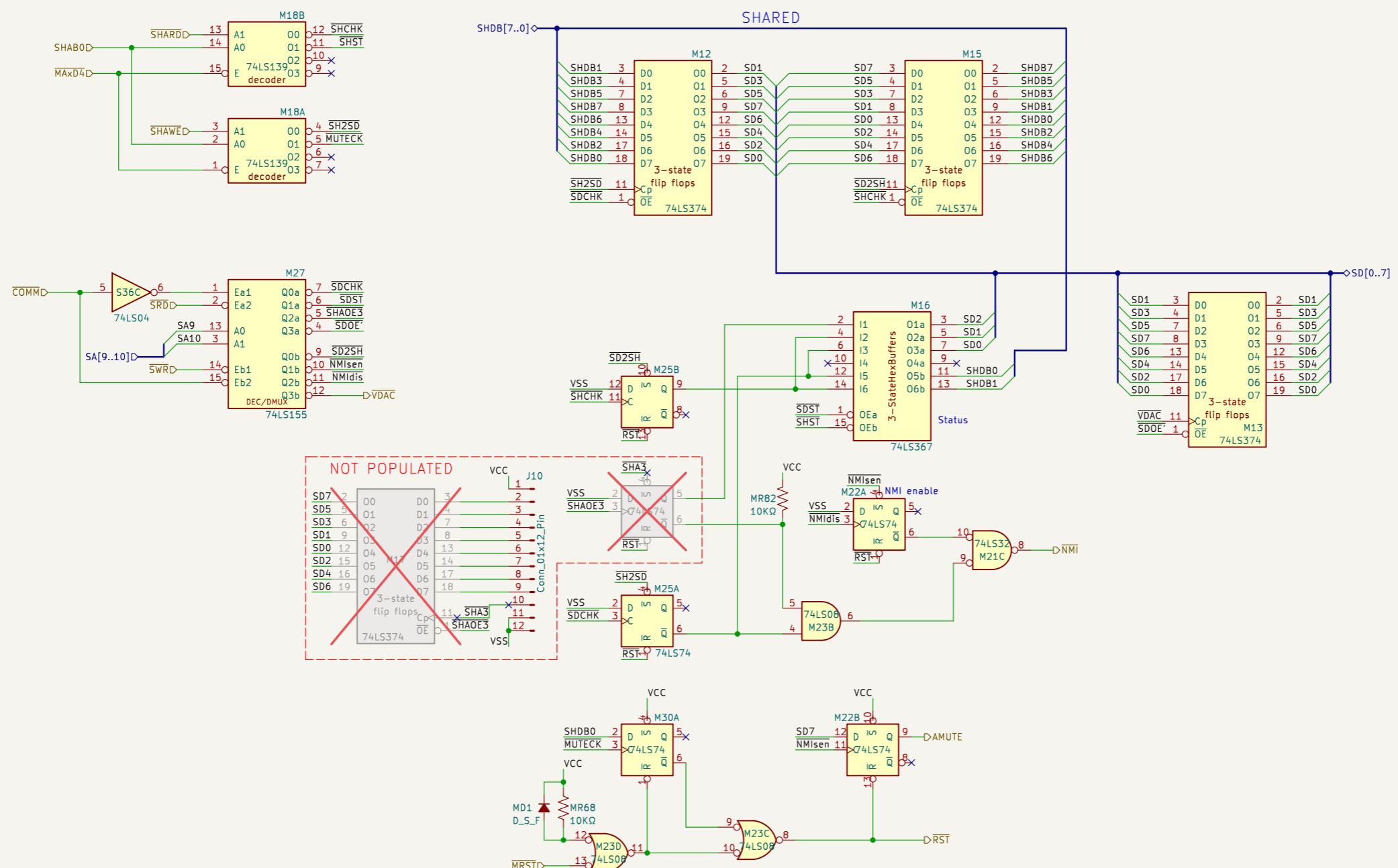


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Sheet: /Video/Line buffer/
File: linebuf.kicad_sch

Title: Single Line Video Buffer

Size: A3	Date: 2024-11-16
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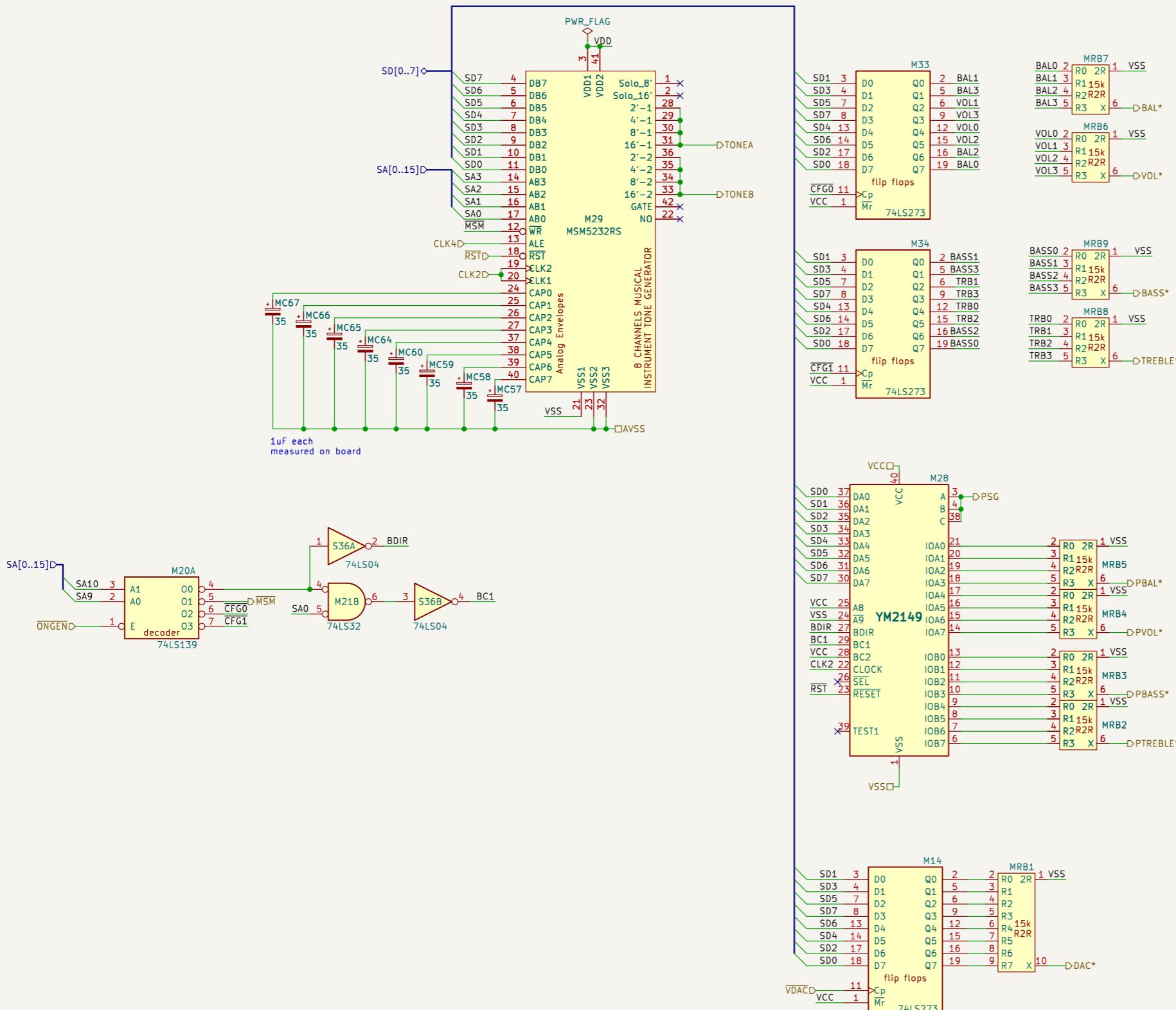
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Sheet: /Sound/Latches/
File: latches.kicad_sch

Title: Communication Latches

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

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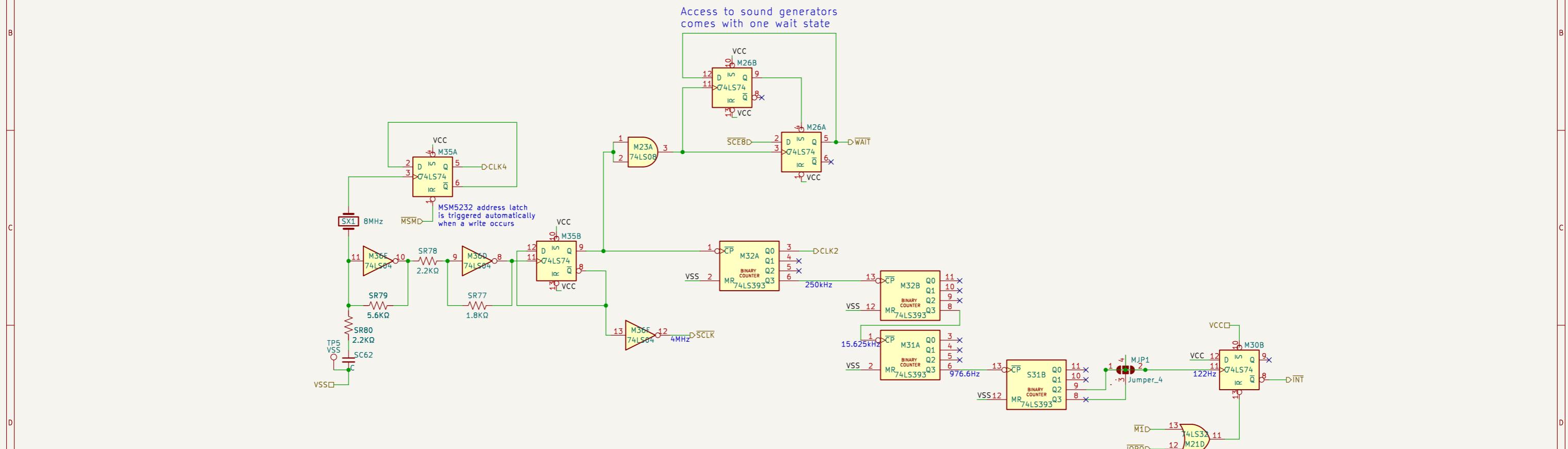
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Sheet: /Sound/Sound Generators/
File: ongen.kicad_sch

Title: Sound Generators

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

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Sheet: /Sound/Clocks/
File: snd_clocks.kicad_sch

Title: Sound Clock Generation

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

Rev: Id: 20/20