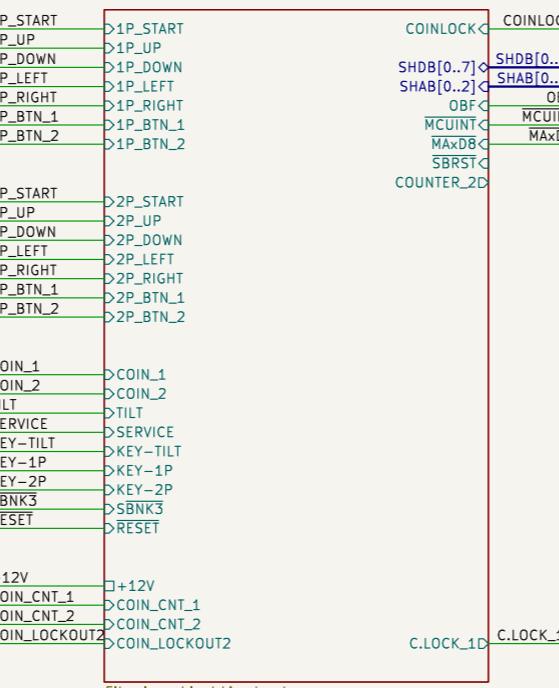
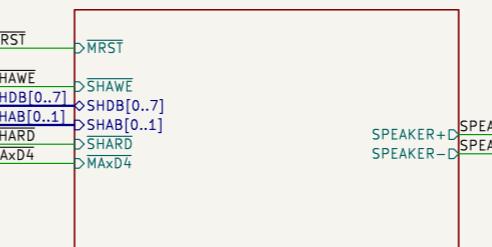


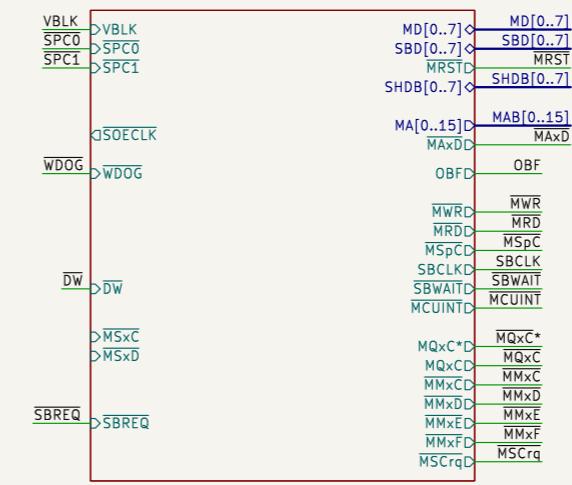
Cabinet



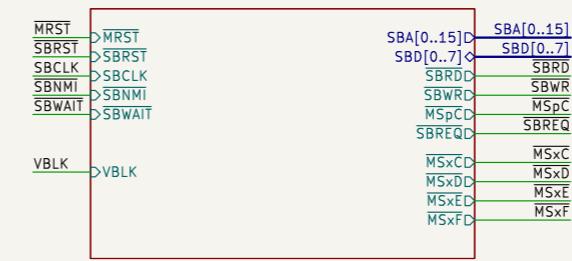
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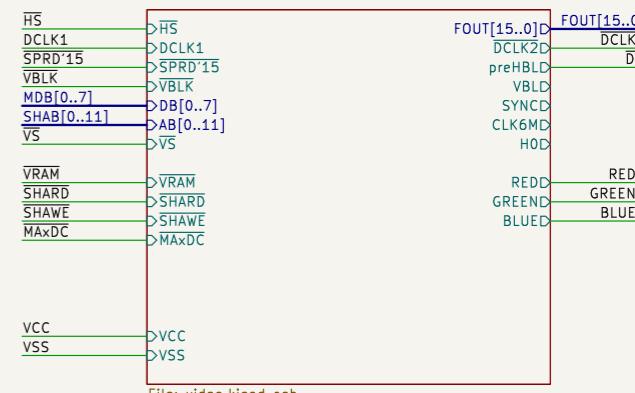
Main



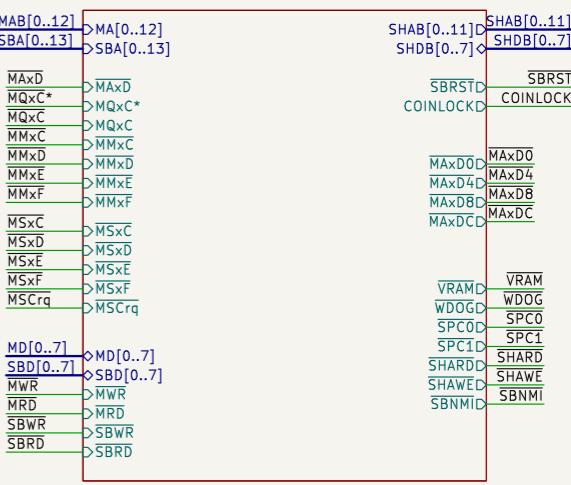
Sub



Video



Shared



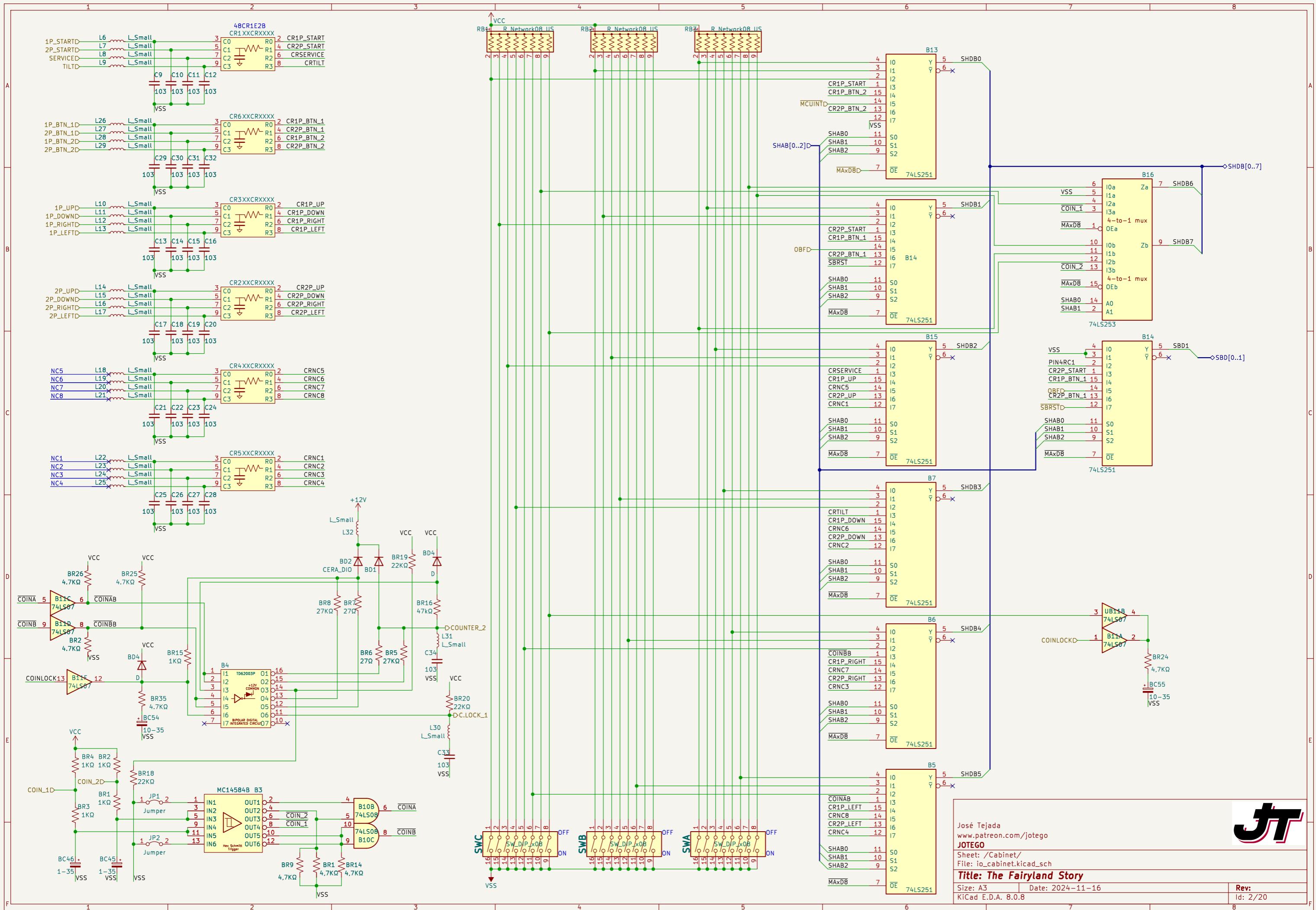
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Sheet: /
File: fairyland.kicad_sch
Title: The Fairyland Story

Size: A3 Date: 2024-11-16
KiCad E.D.A. 8.0.8

Rev: Id: 1/20



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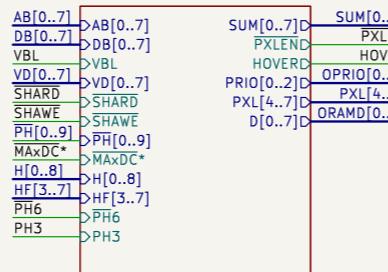
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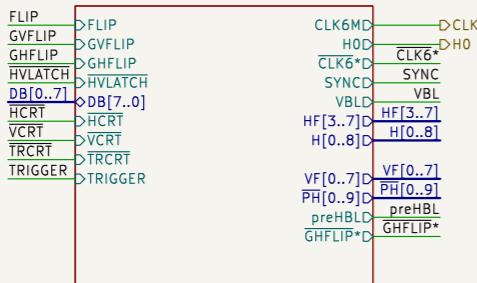
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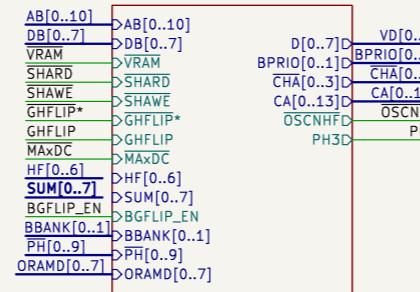
Object RAM



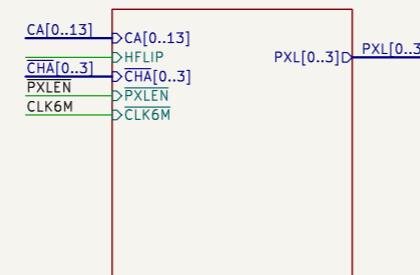
Timing



Video RAM



Tile ROM



1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

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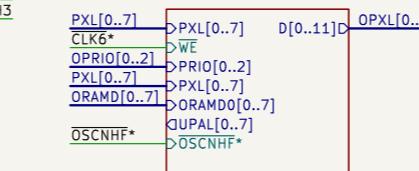
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1 2 3 4 5 6 7 8

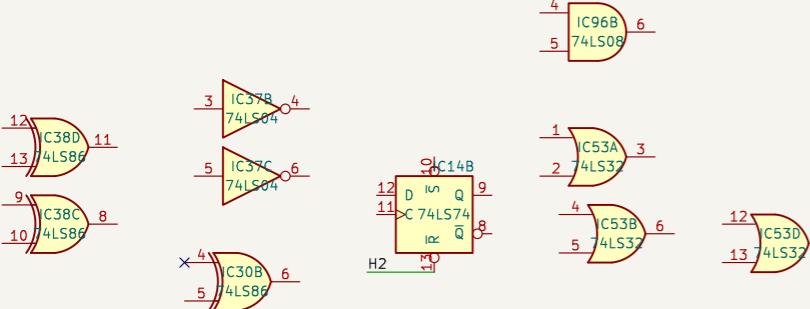
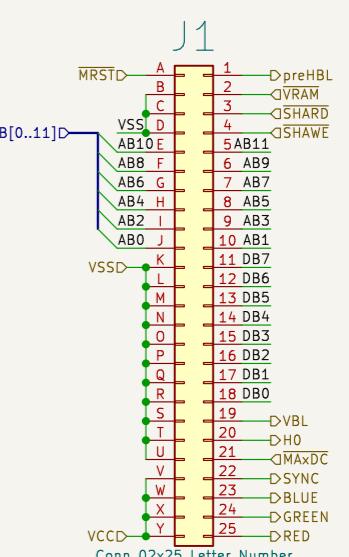
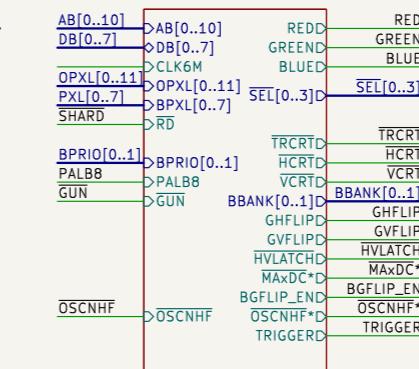
1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

Line buffer



Palette



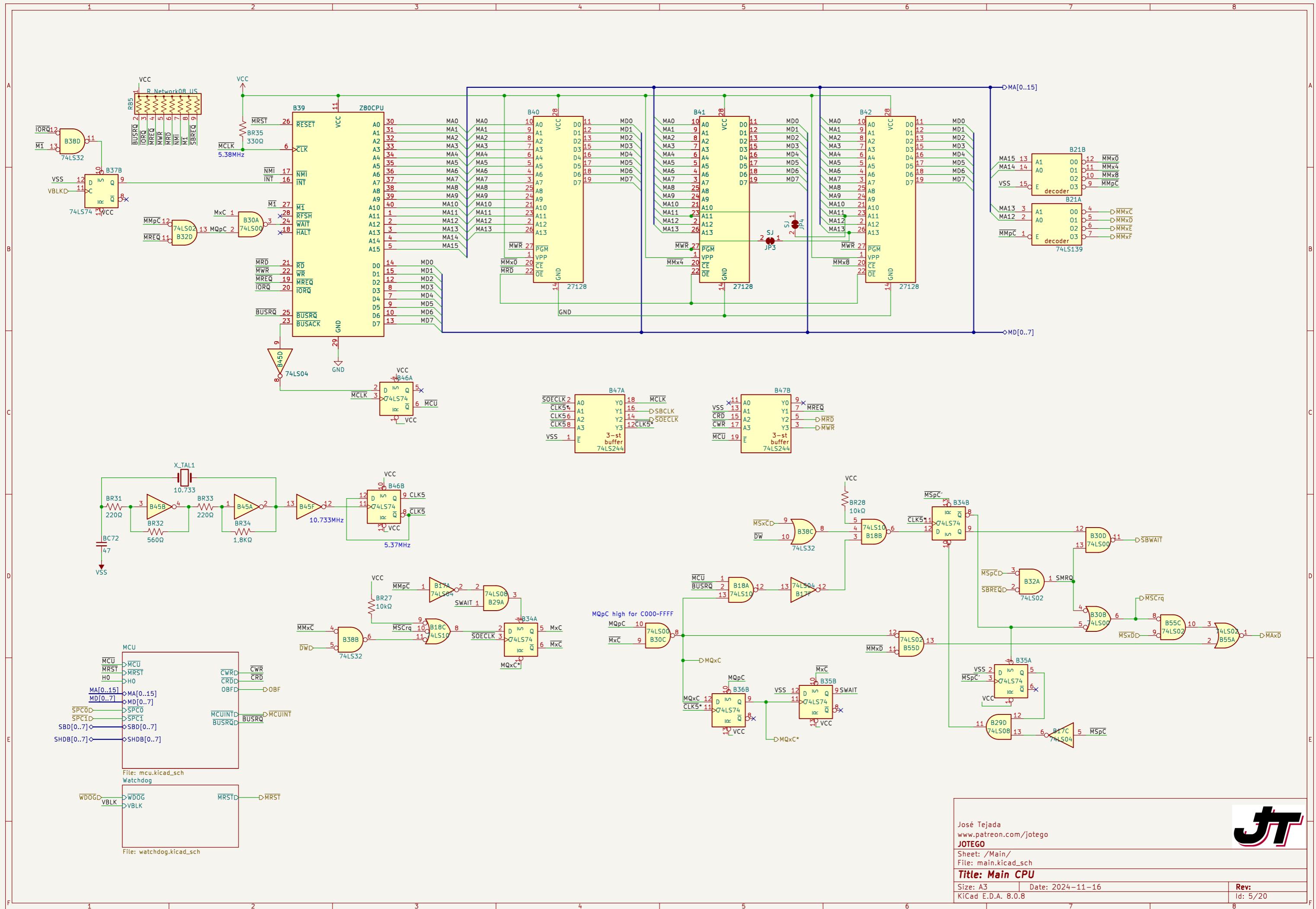
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Sheet: /Video/
File: video.kicad_sch

Title: The Fairyland Story

Size: A3 | Date: 2024-11-16
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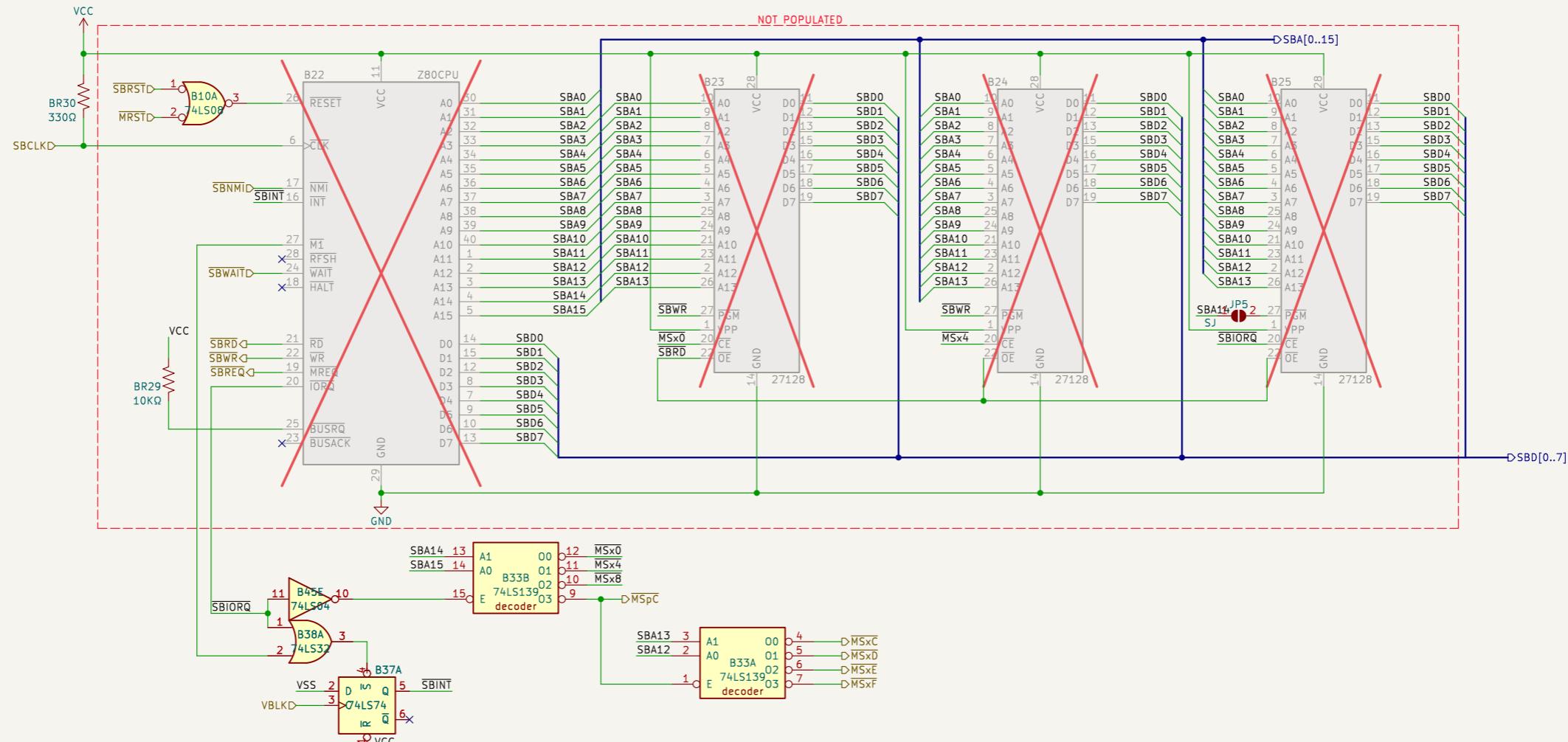
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Size: A3 | Date: 2024-11-16
 KiCad E.D.A. 8.0.8

Rev:
 Id: 7/20





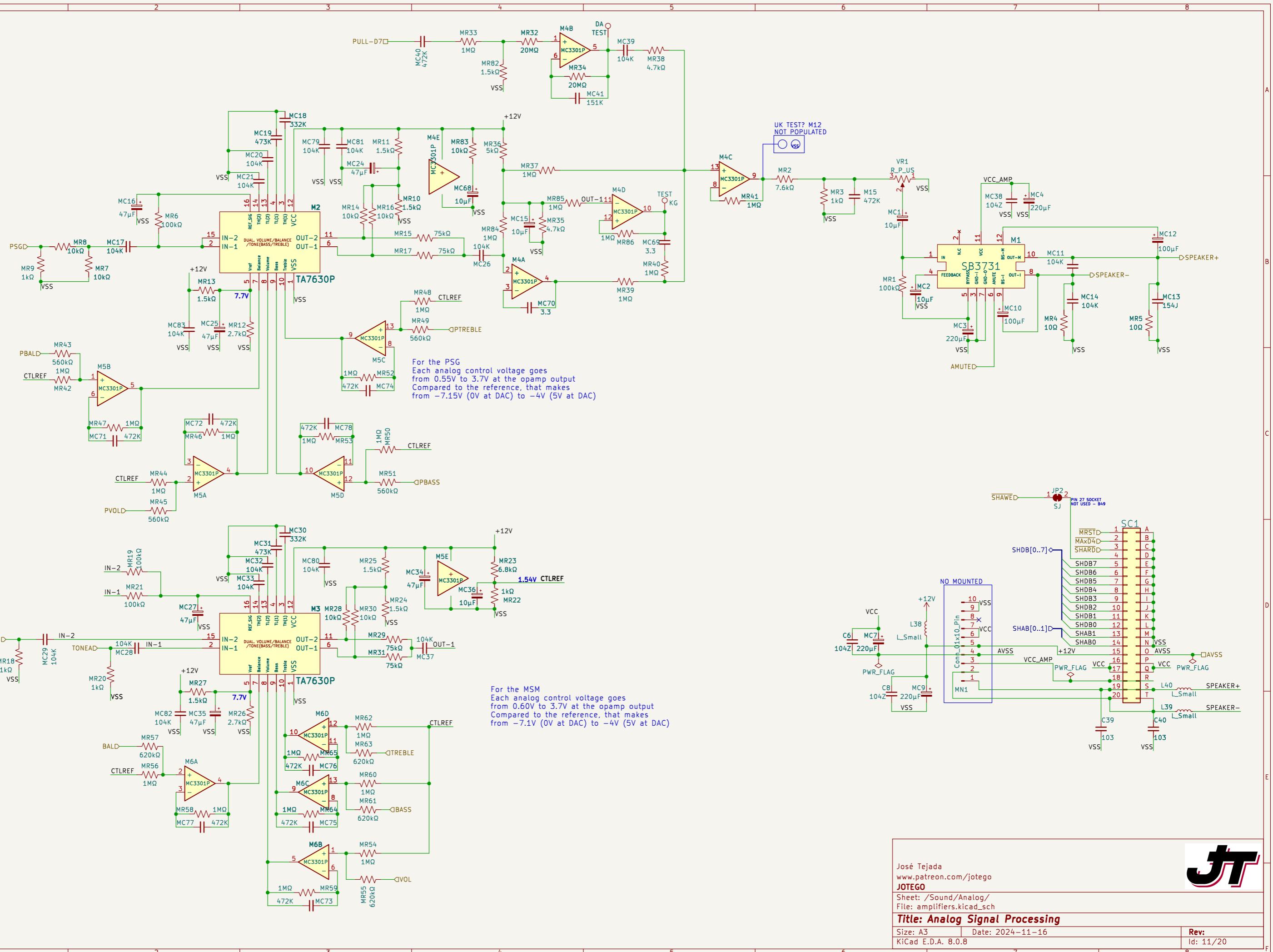
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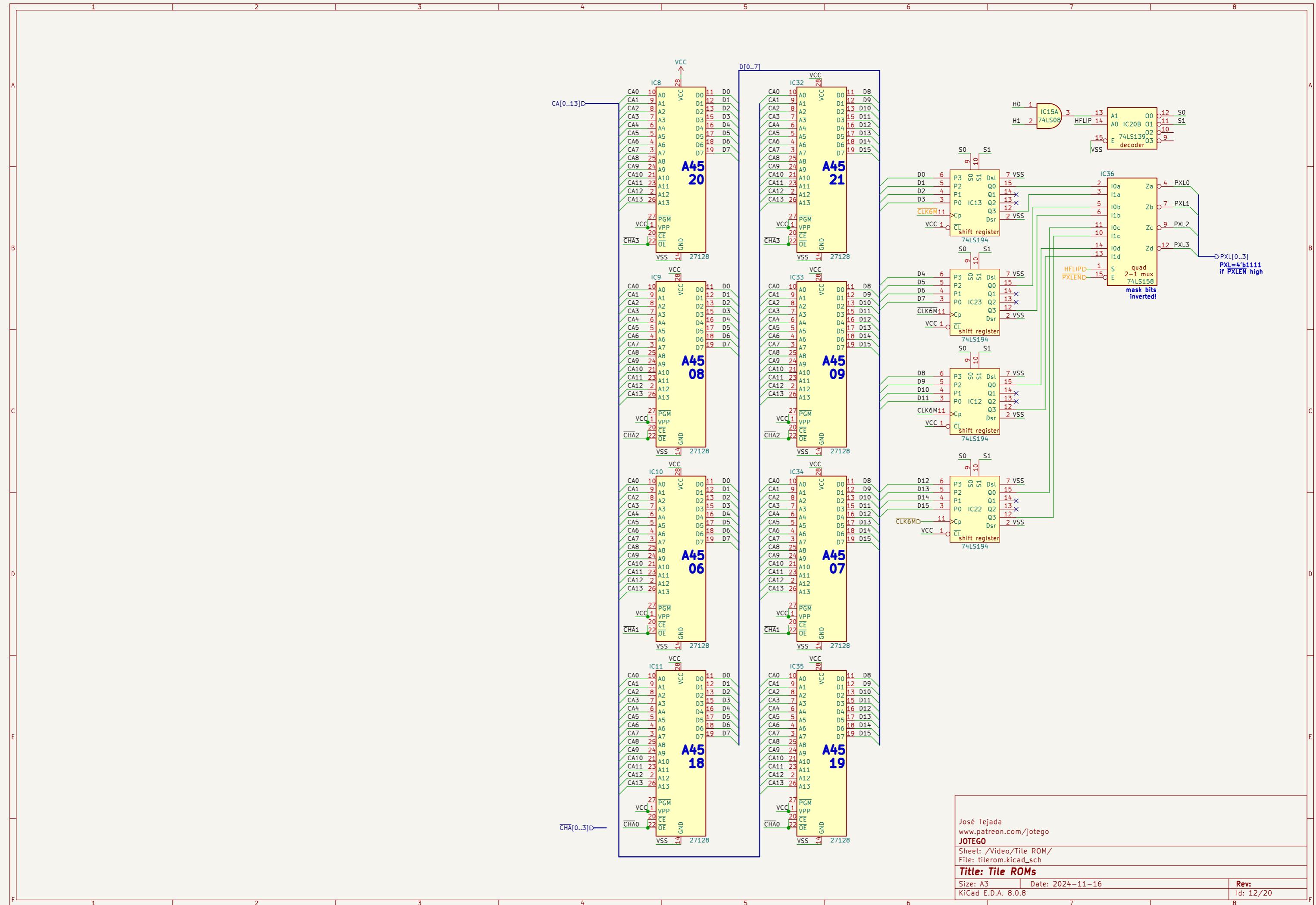
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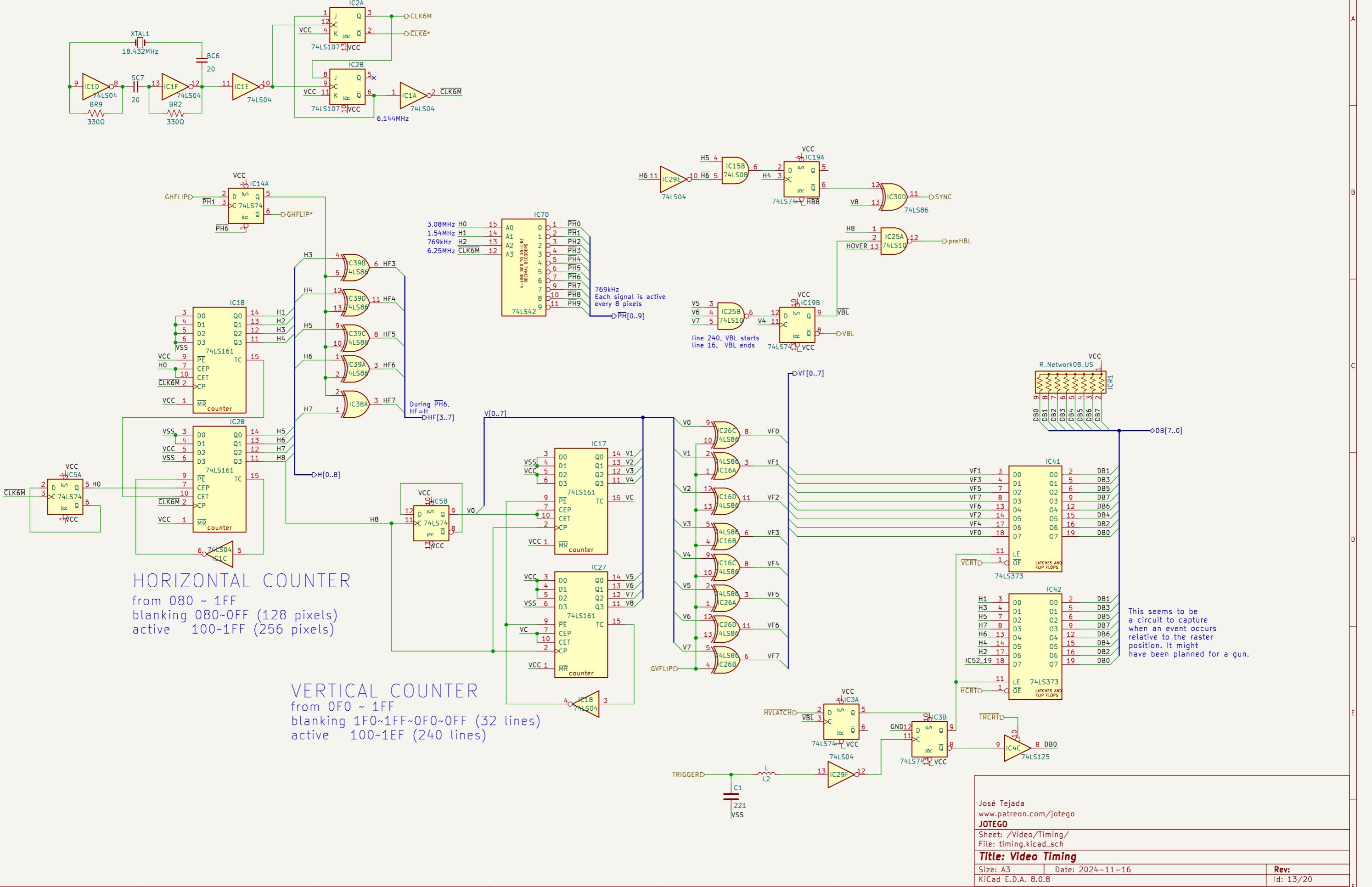
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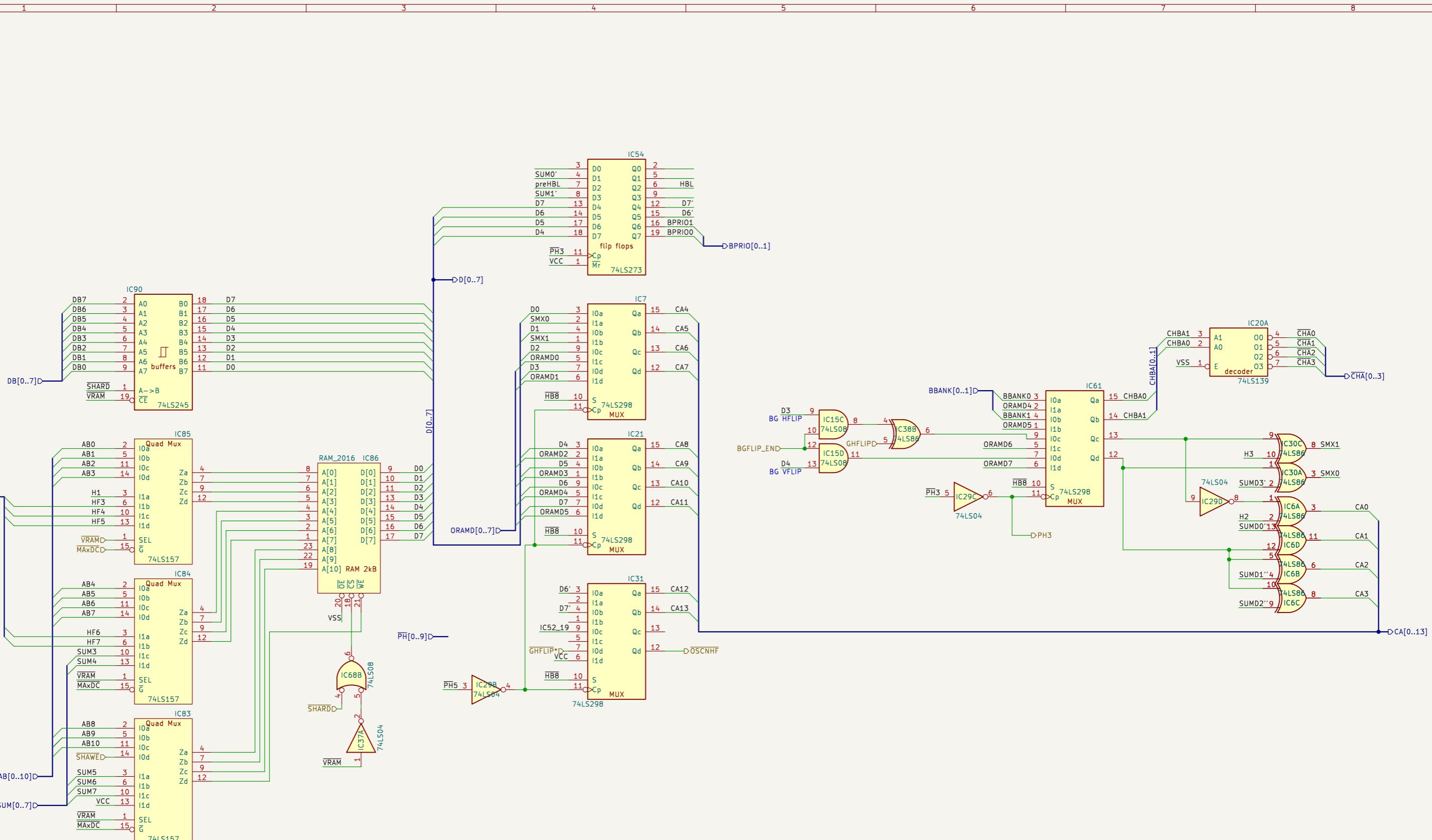
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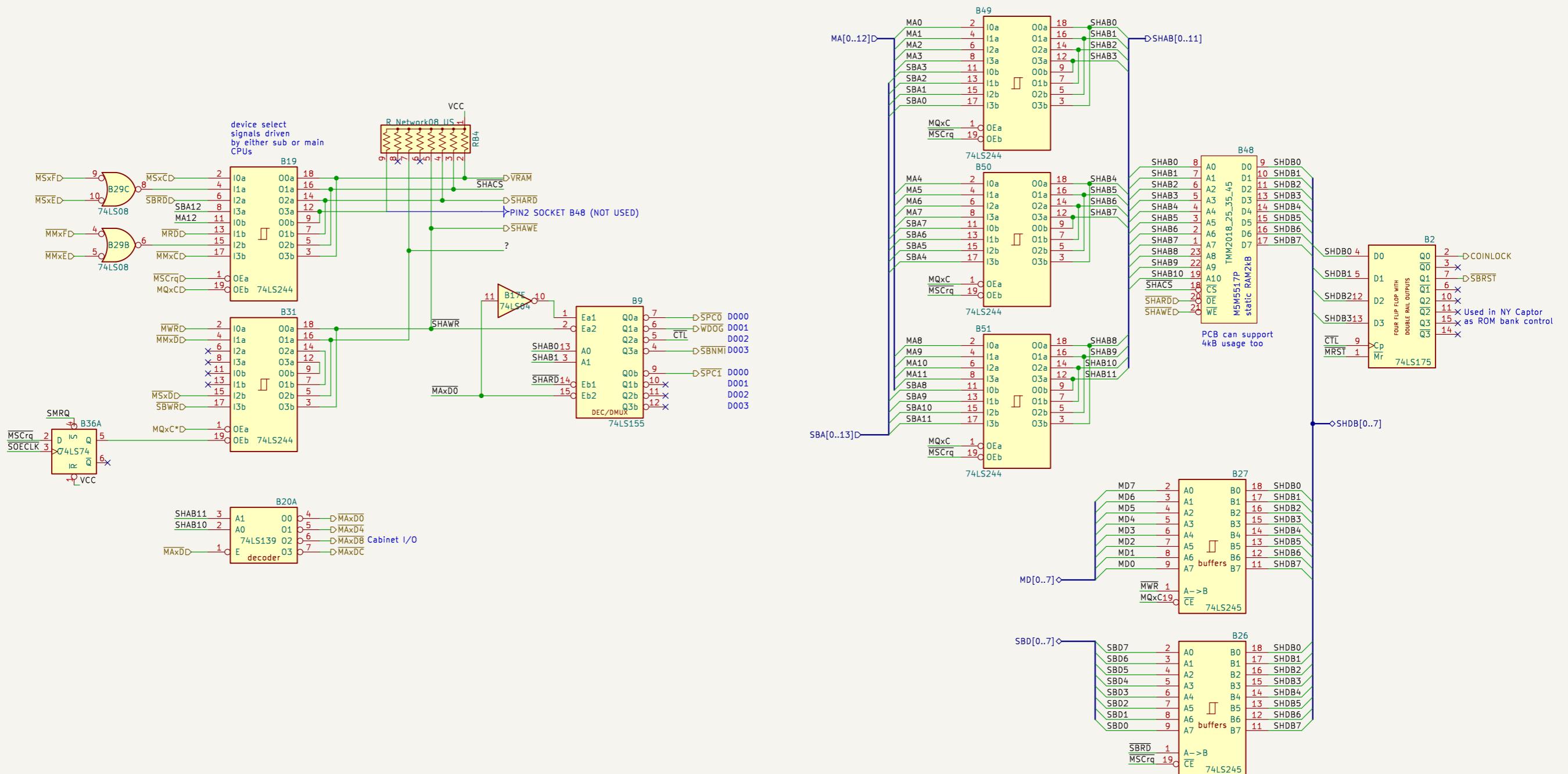
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Sheet: /Video/Video RAM/
File: vram.kicad_sch

Title: Background Video RAM

Size: A3 | Date: 2024-11-16
KiCad E.D.A. 8.0.8

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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

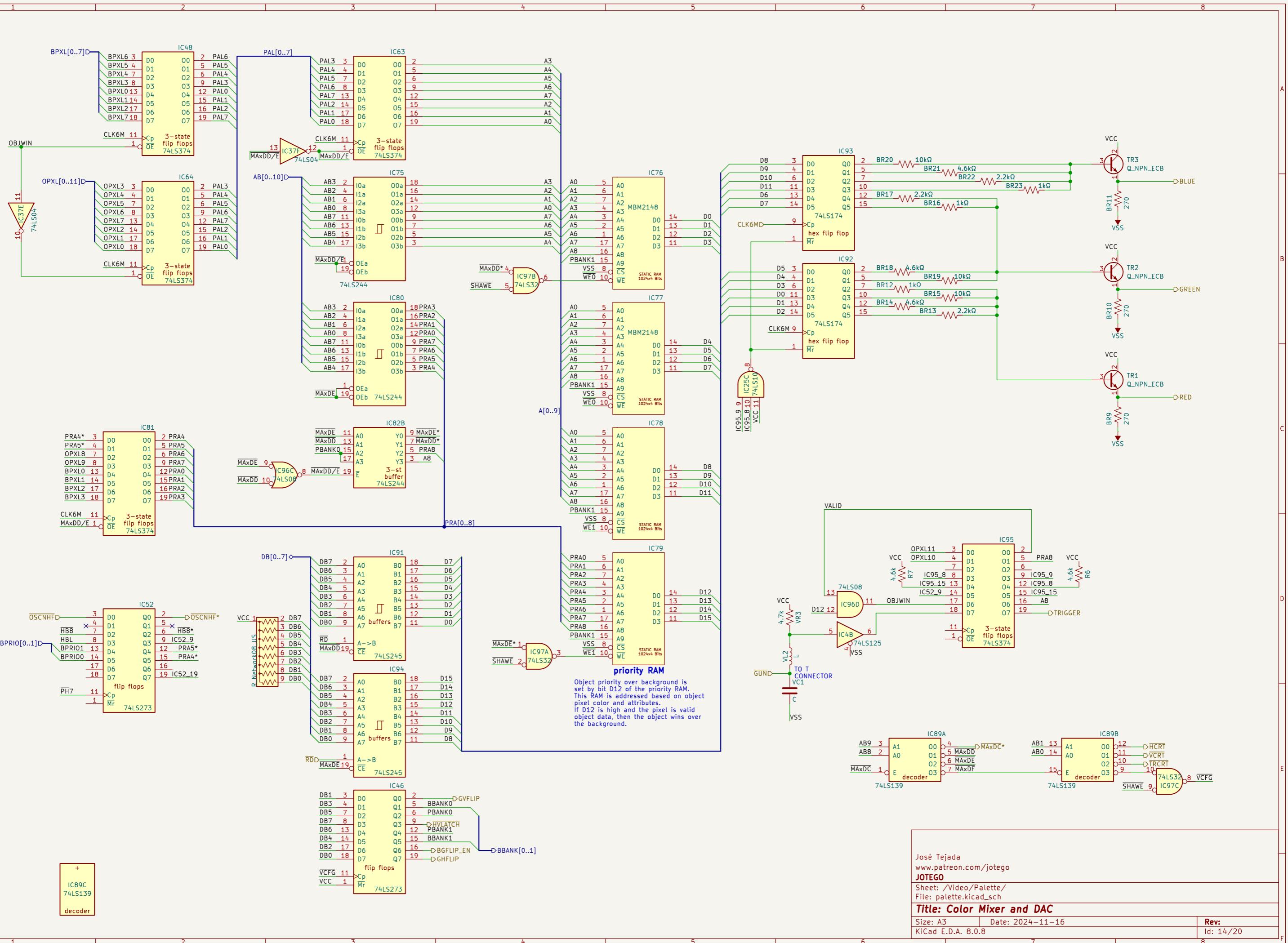
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Sheet: /Main/MCU/
File: mcu.kicad_sch

Title: MCU

Size: A3 Date: 2024-11-16
KiCad E.D.A. 8.0.8

Rev: Id: 14/20



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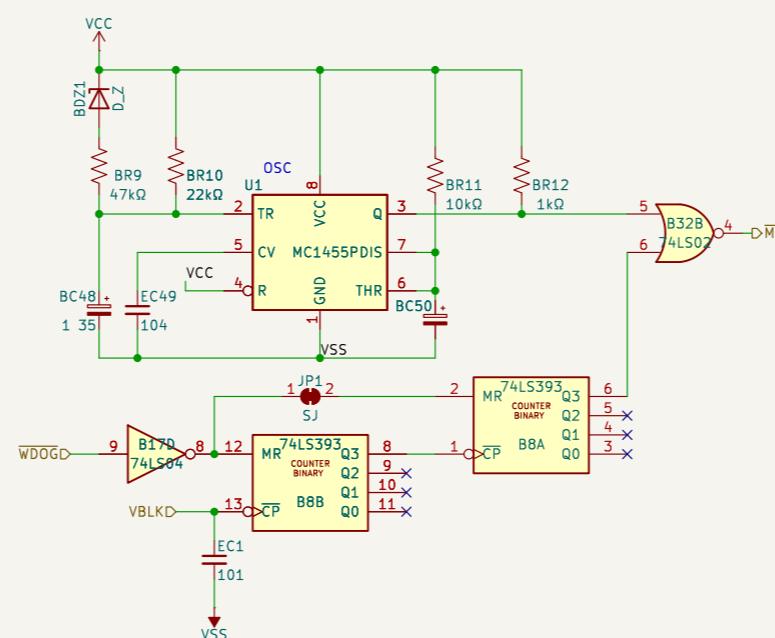
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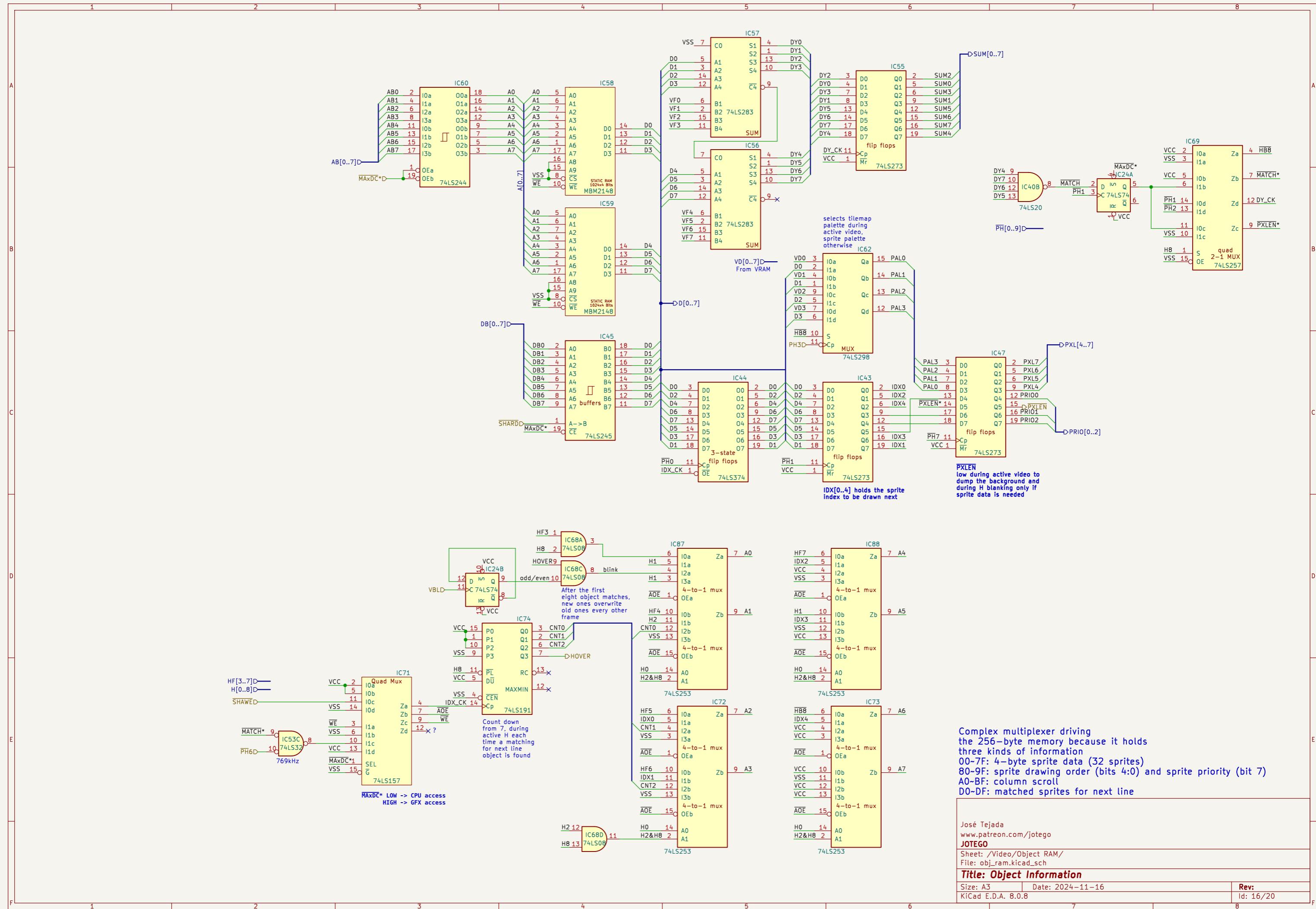
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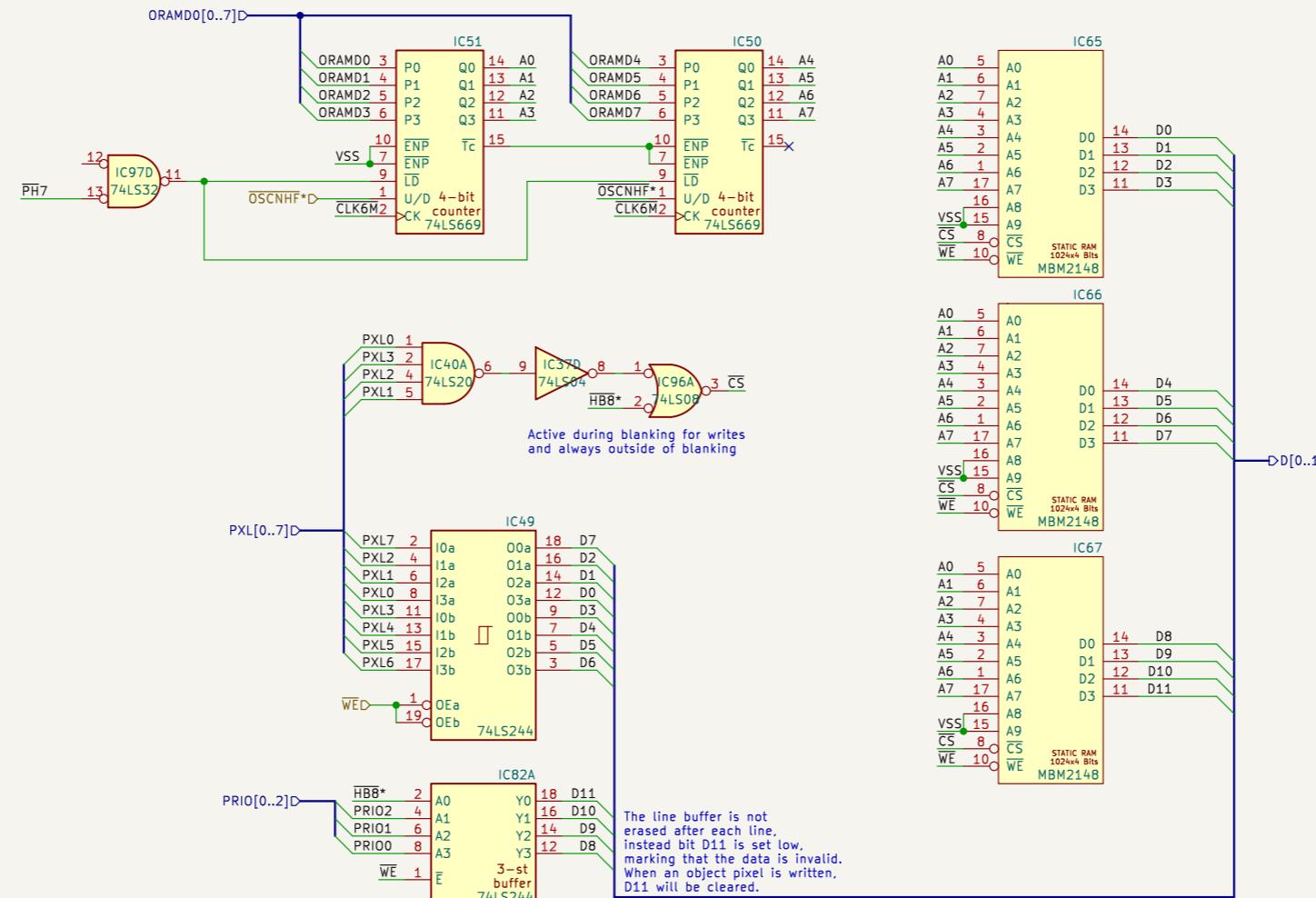
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Size: A3 Date: 2024-11-16
KiCad E.D.A. 8.0.8

Rev: Id: 15/20





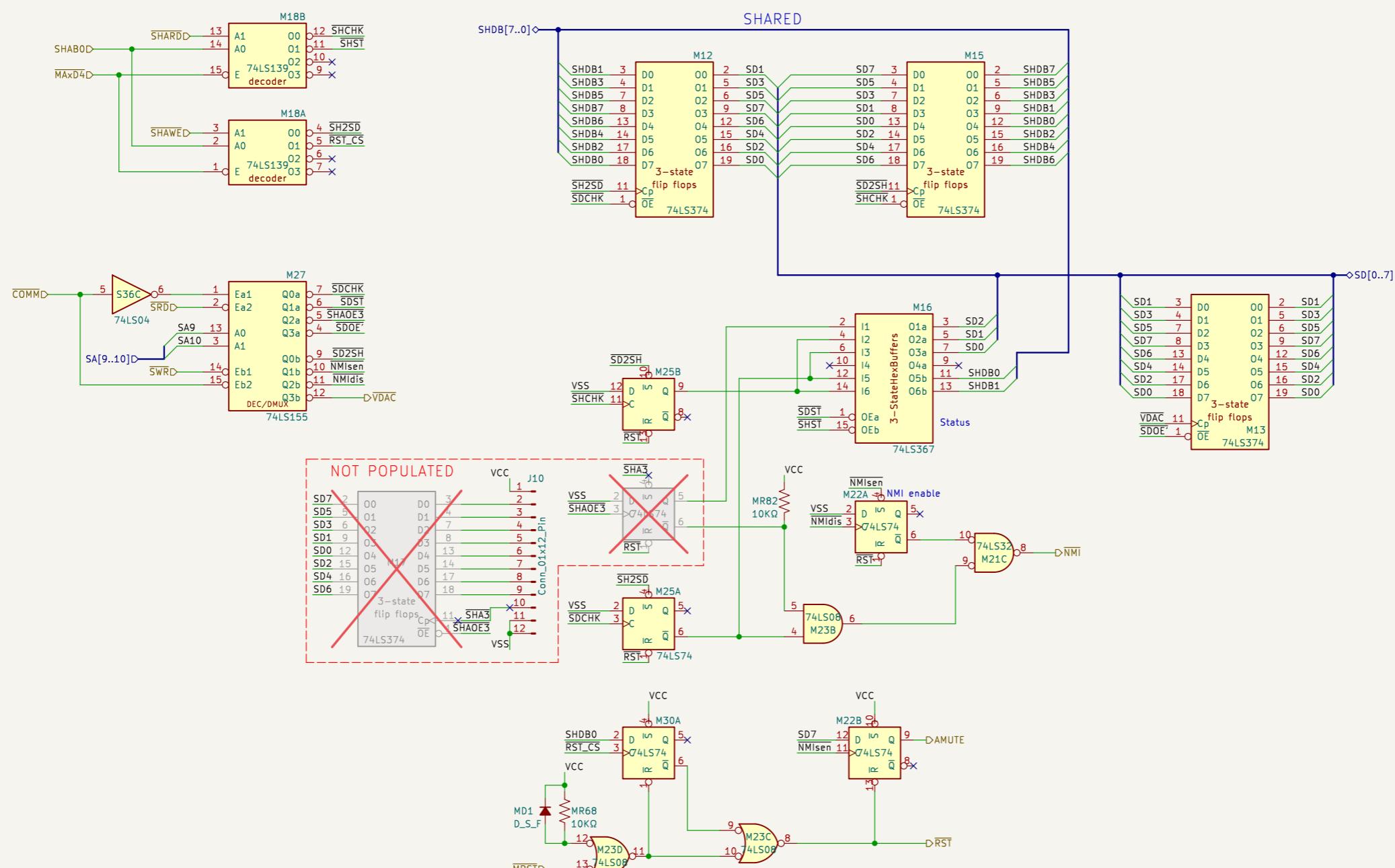
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Sheet: /Video/Line buffer/
File: linebuf.kicad_sch

Title: Single Line Video Buffer

Size: A3 | Date: 2024-11-16
KiCad E.D.A. 8.0.8

Rev:
Id: 17/20



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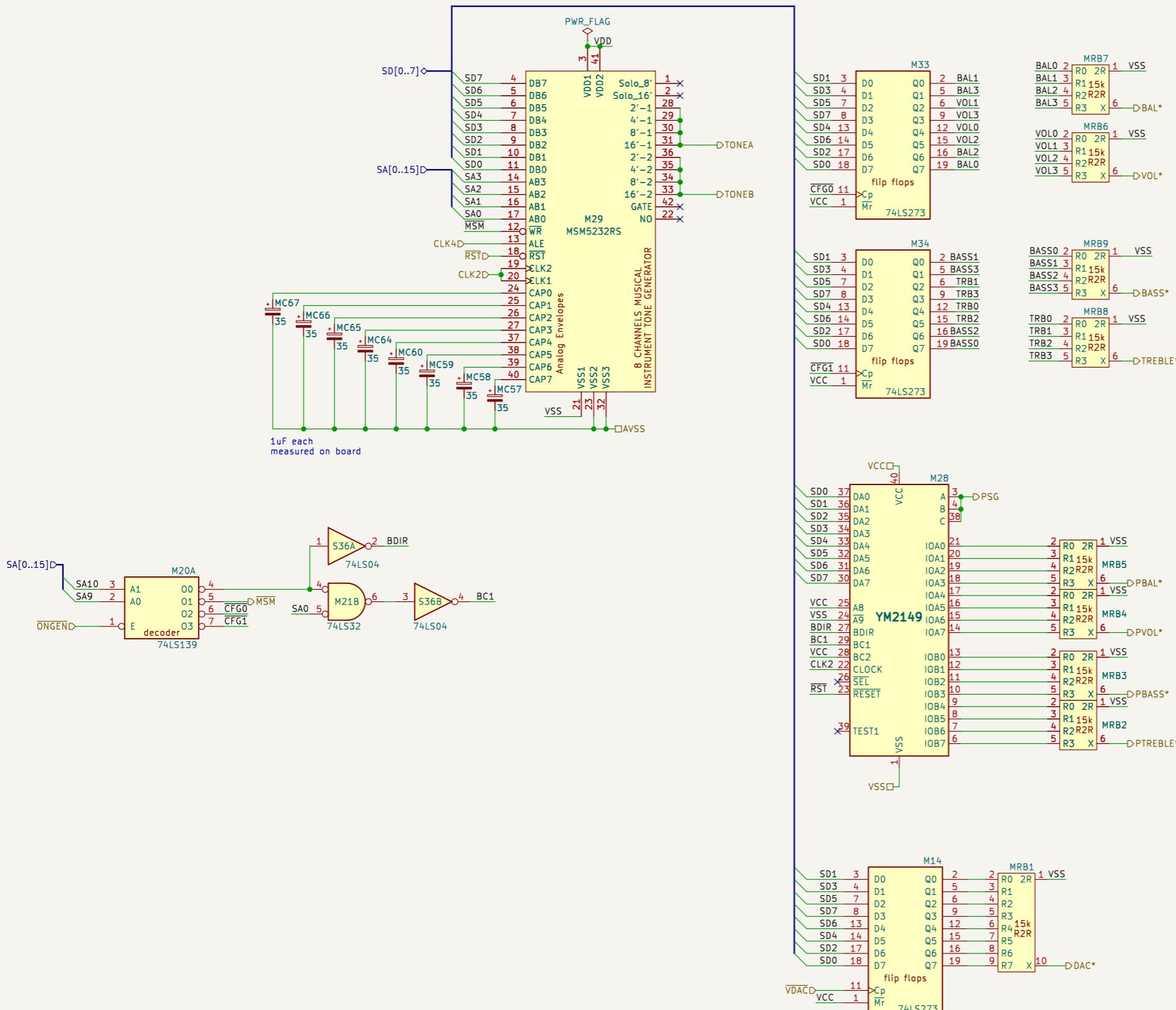
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Sheet: /Sound/Latches/
File: latches.kicad_sch

Title: Communication Latches

Size: A3 Date: 2024-11-16
KiCad E.D.A. 8.0.8

Rev:
Id: 18/20



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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. 8.0.8

Rev:
Id: 19/20

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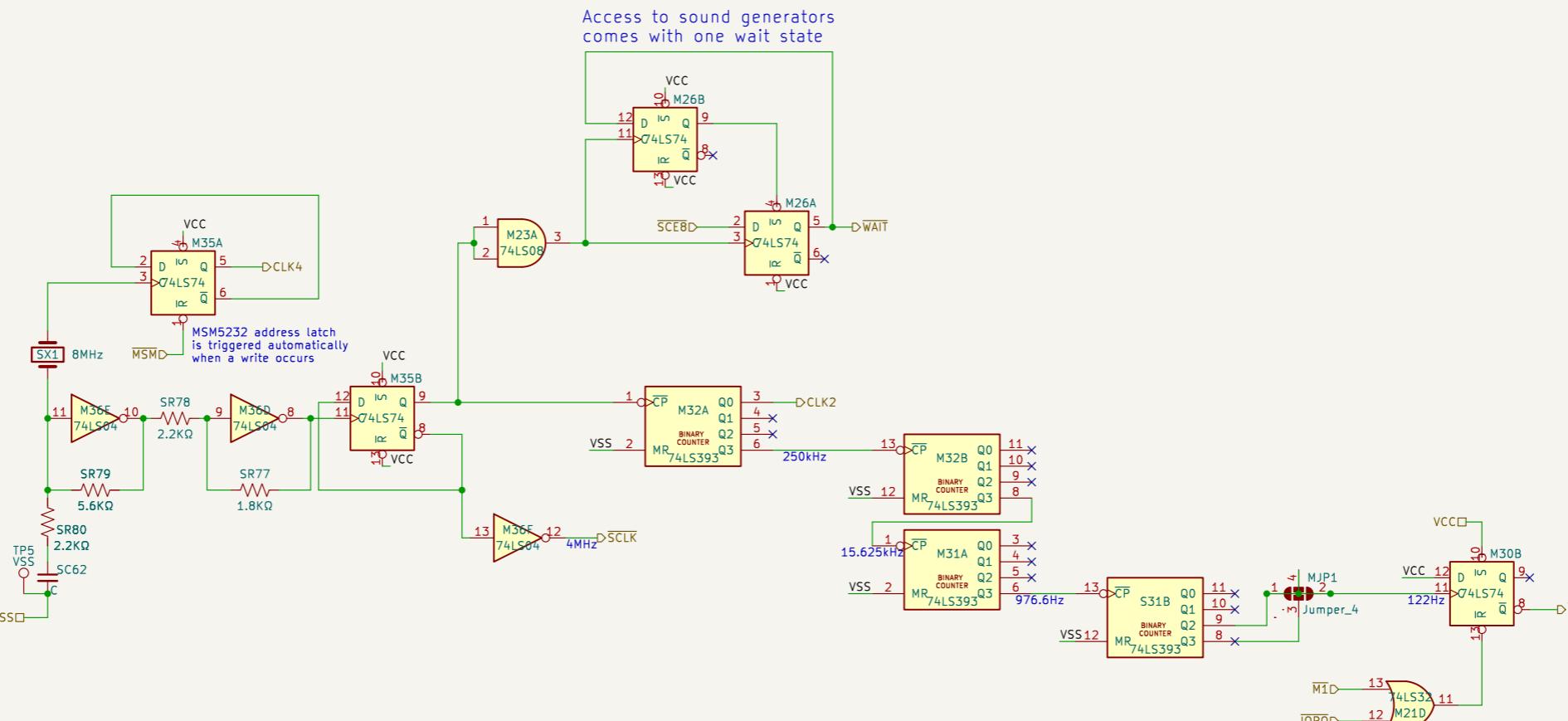
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Sheet: /Sound/Clocks/
File: snd_clocks.kicad_sch

Title: Sound Clock Generation

Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.8	Rev: 1d: 20/20