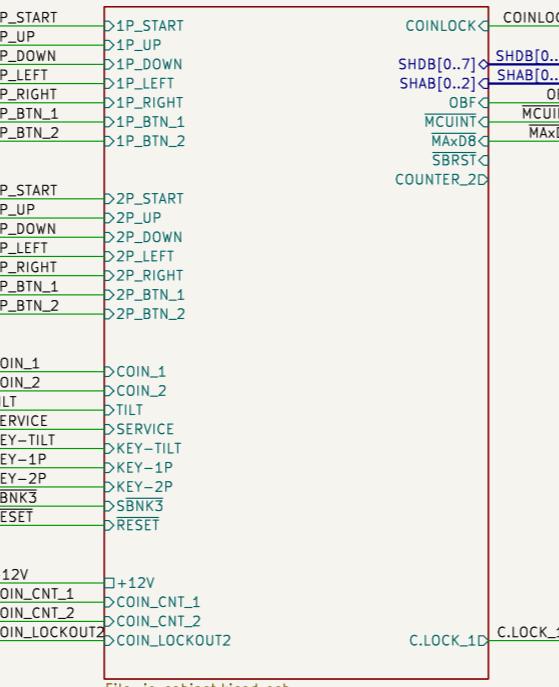
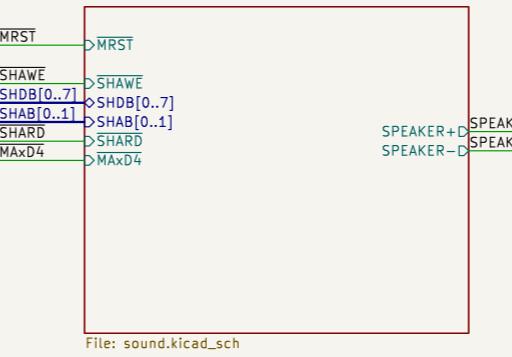


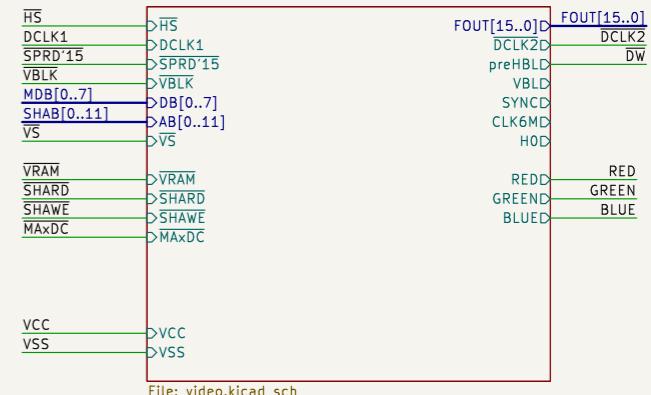
Cabinet



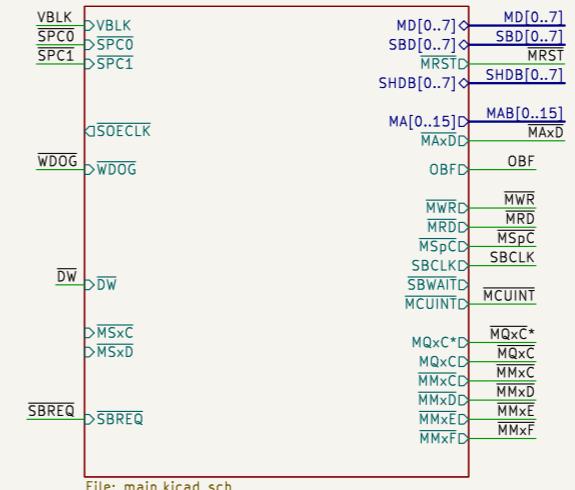
Sound



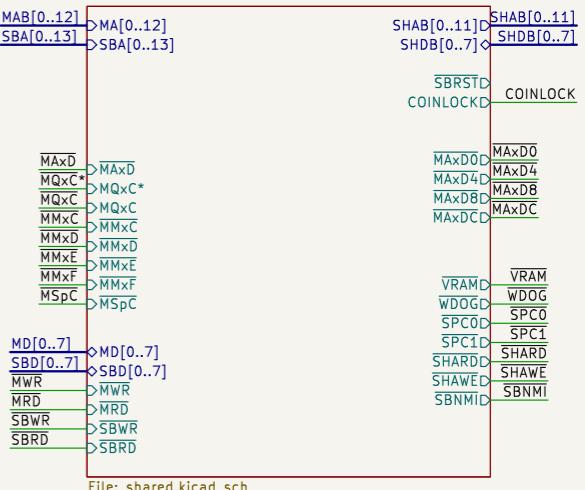
Video



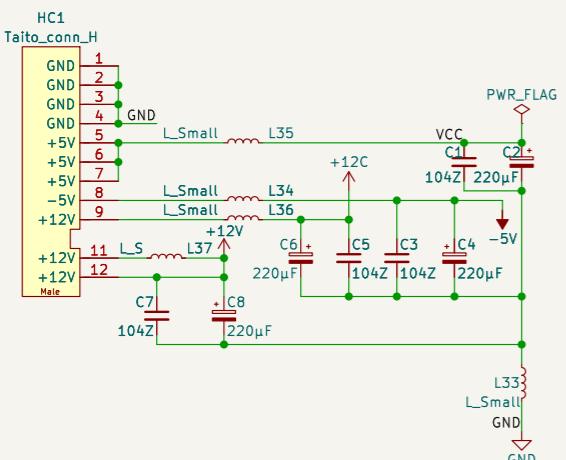
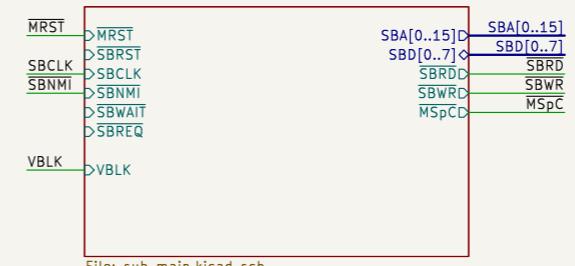
Main



Shared



Sub



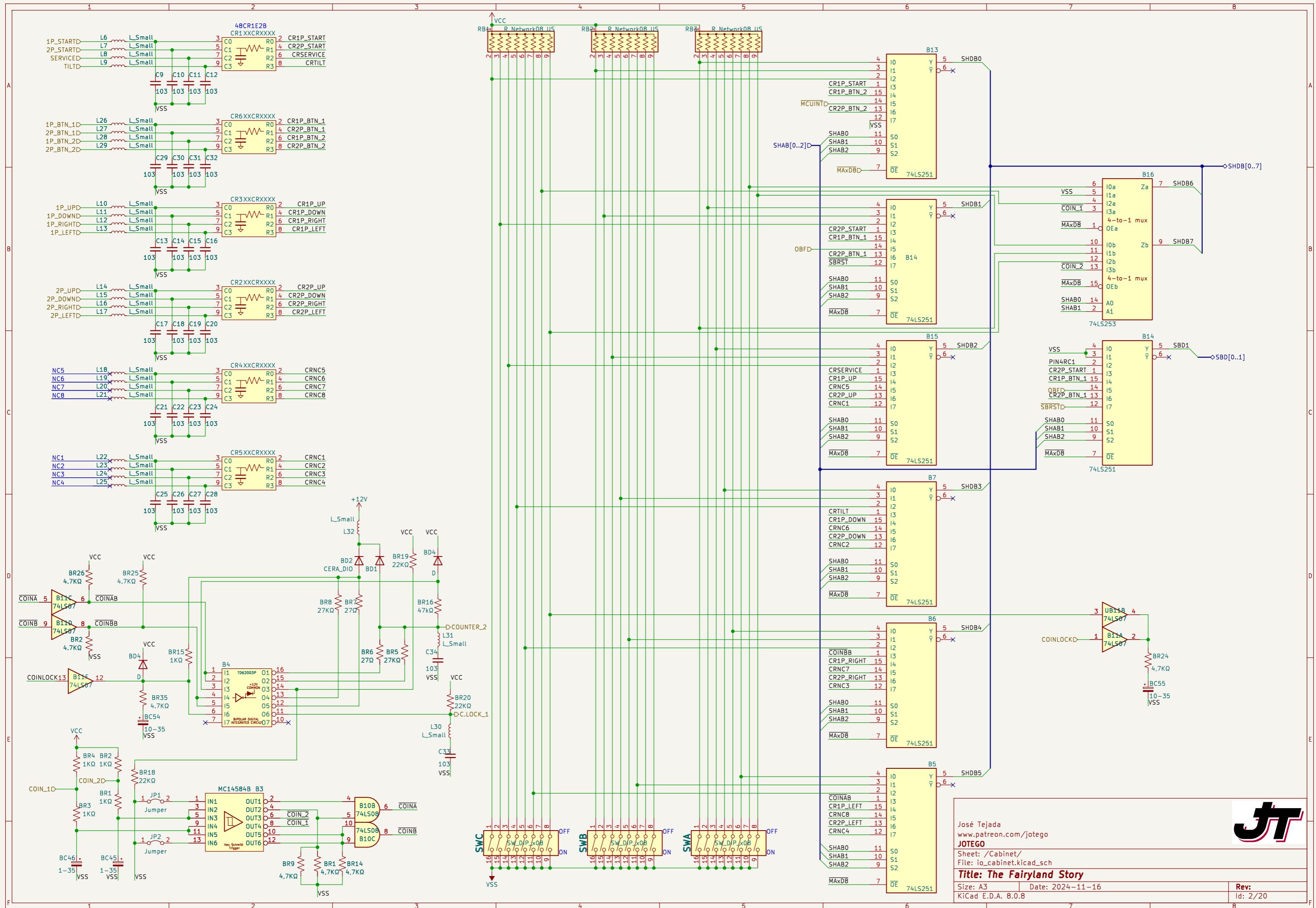
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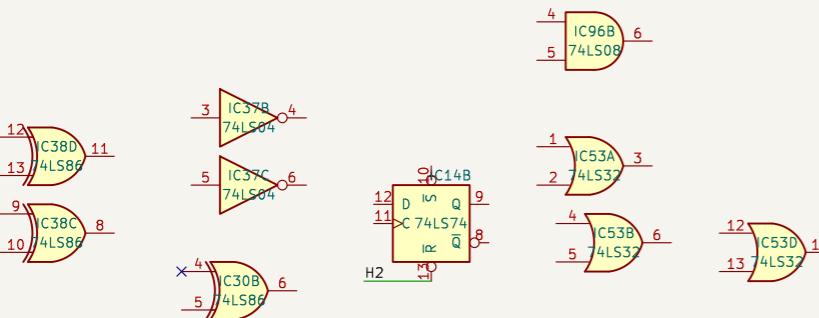
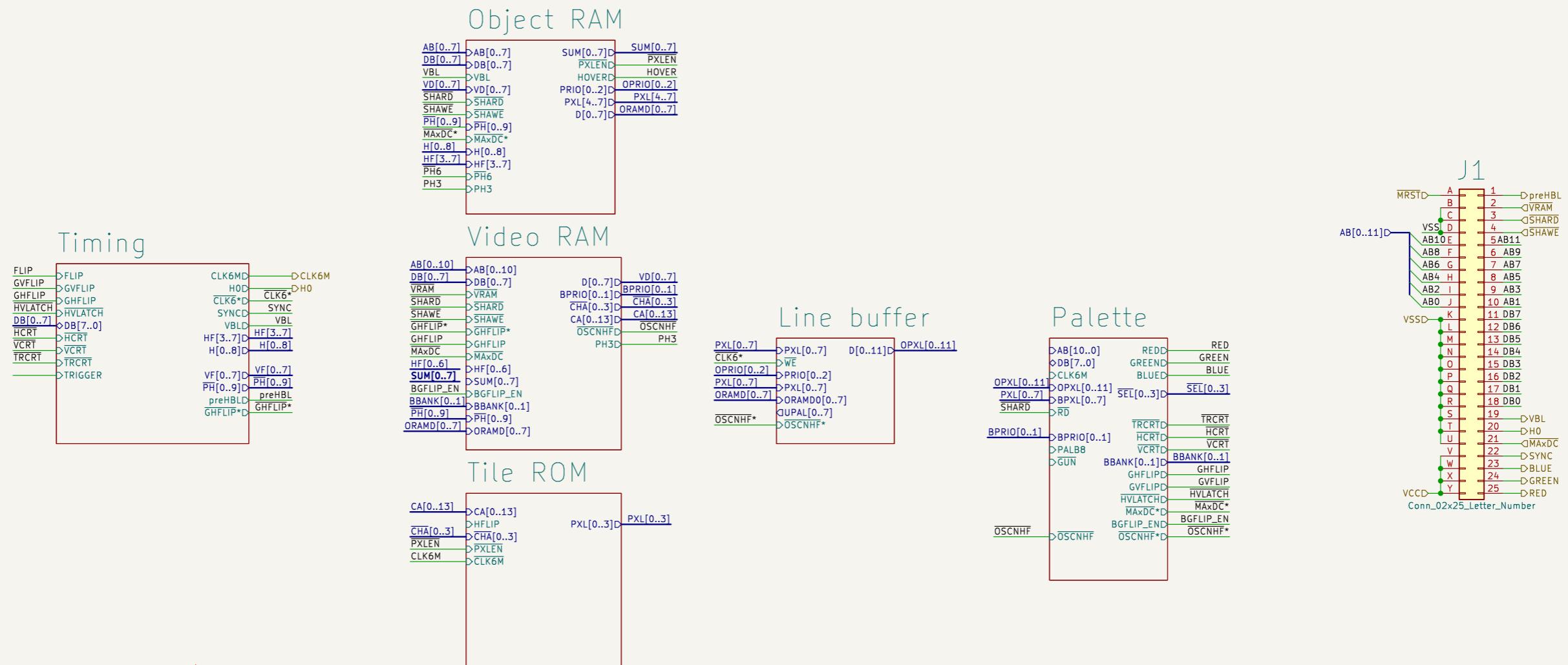
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File: fairyland.kicad_sch

Title: The Fairyland Story

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

Rev: 1/10





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Sheet: /Video/

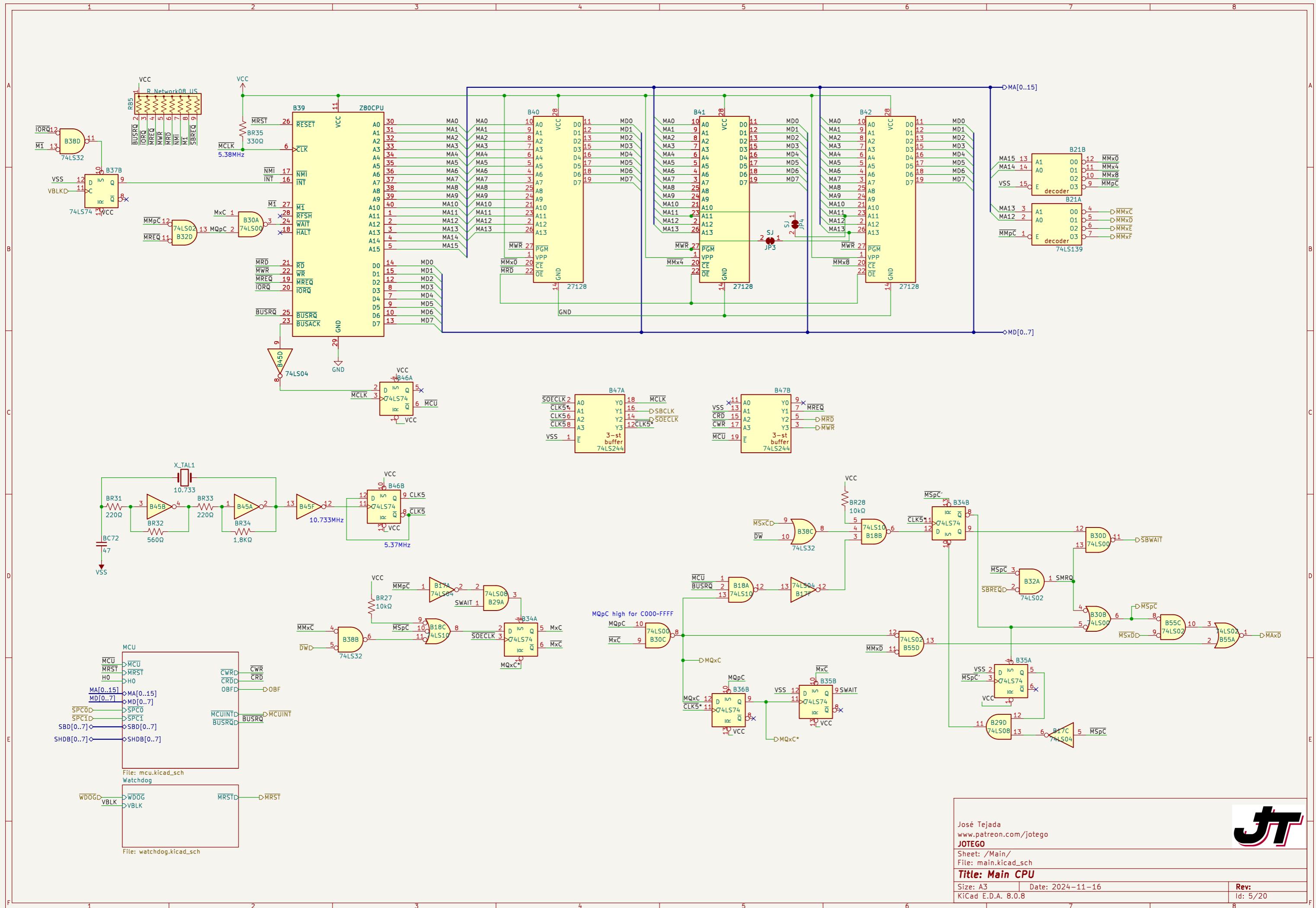
File: video.

Title: The Fairy

Size: A3 Date: 2023-06-06

KiCad E.D.A. 8.0.8

1 / 1





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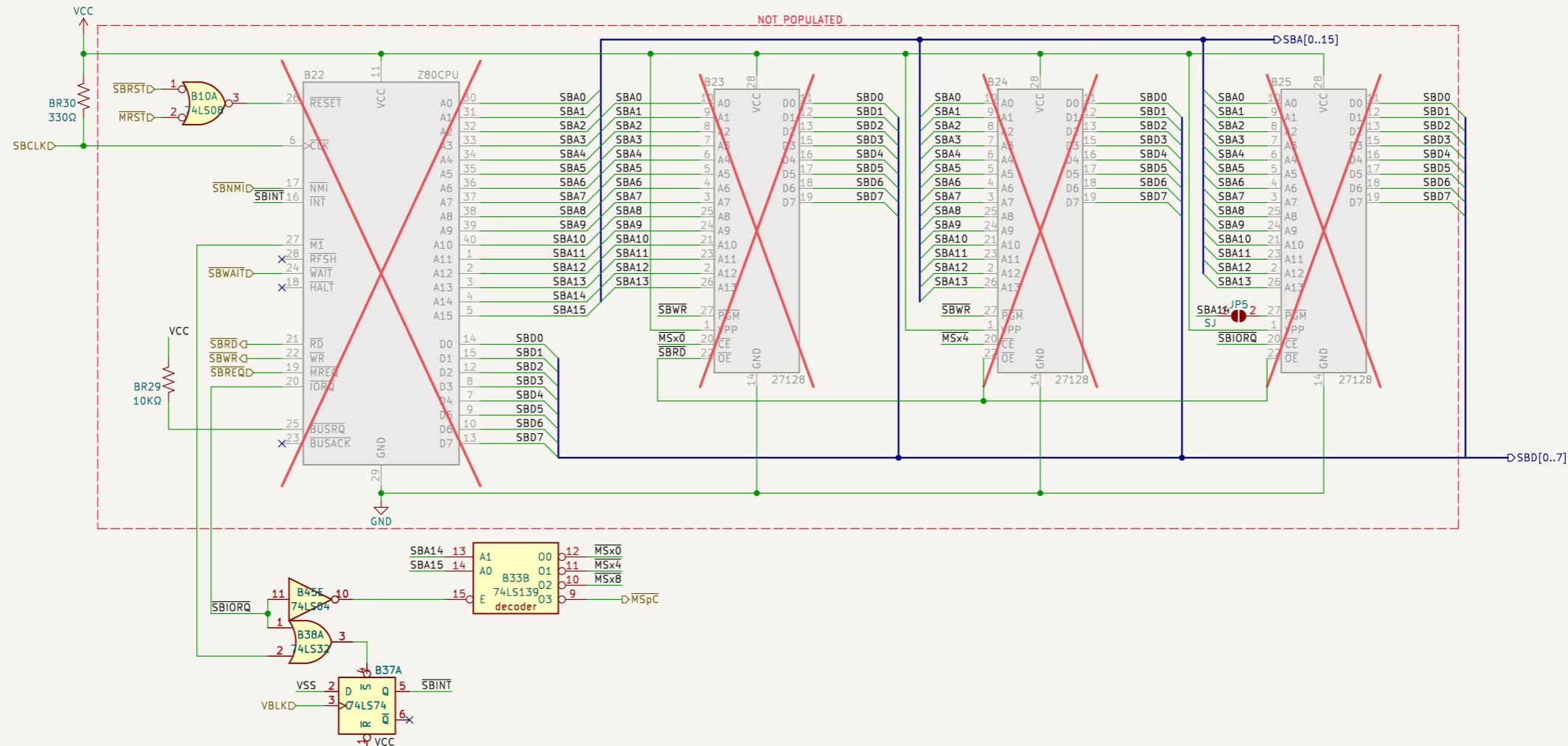
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 File: sound.kicad_sch

Title: Sound Board

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

Rev:
 Id: 7/20



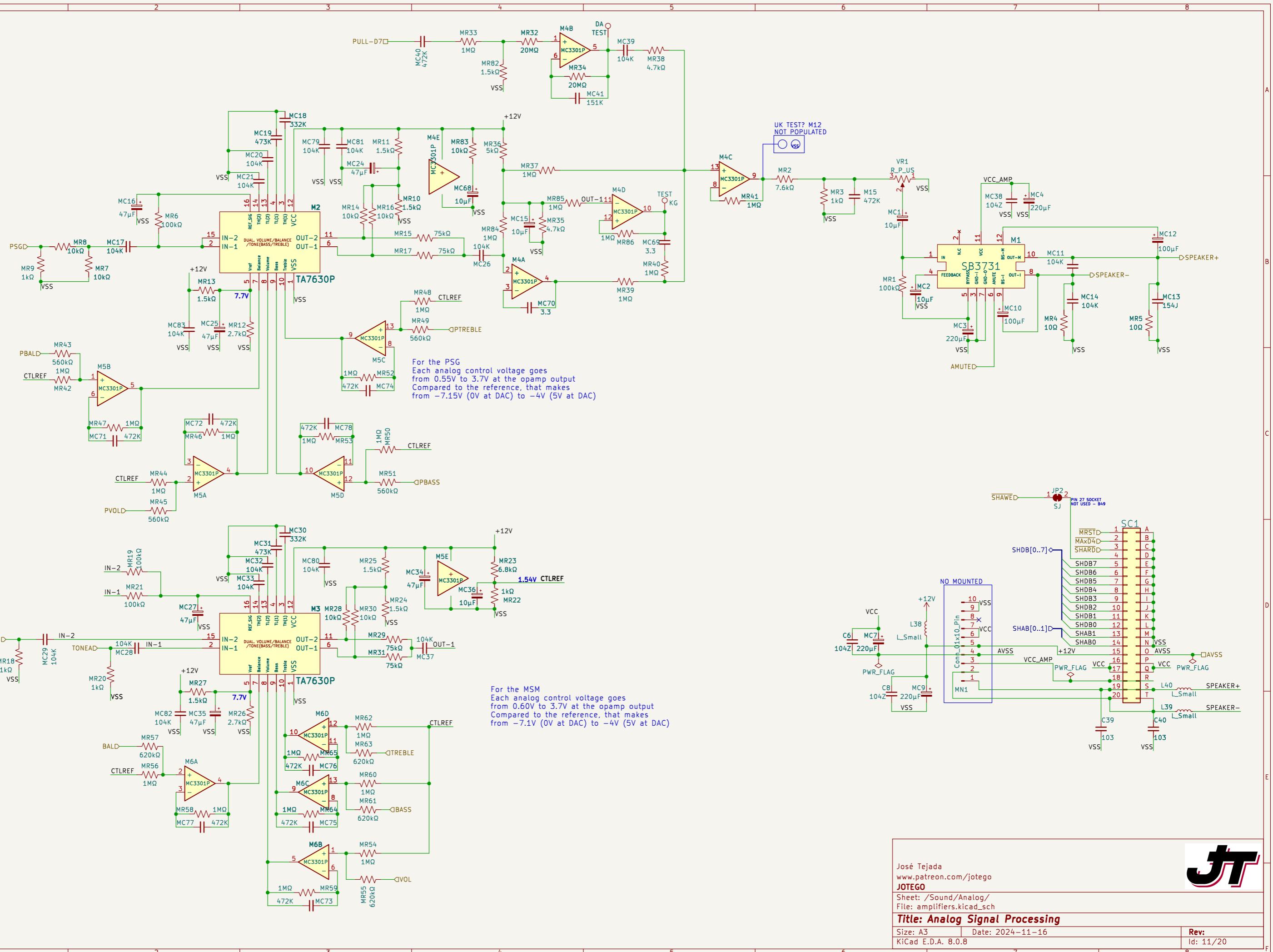


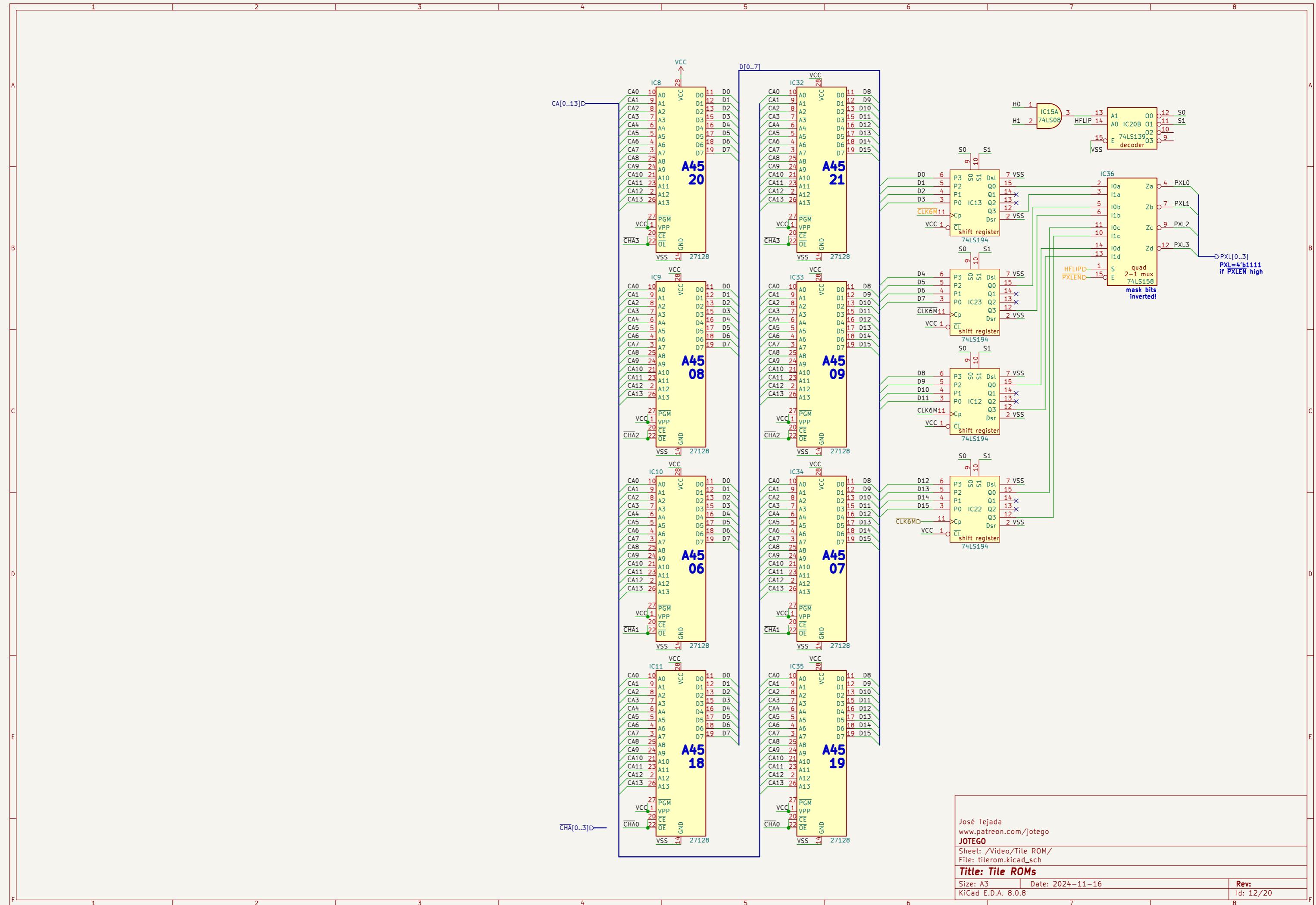
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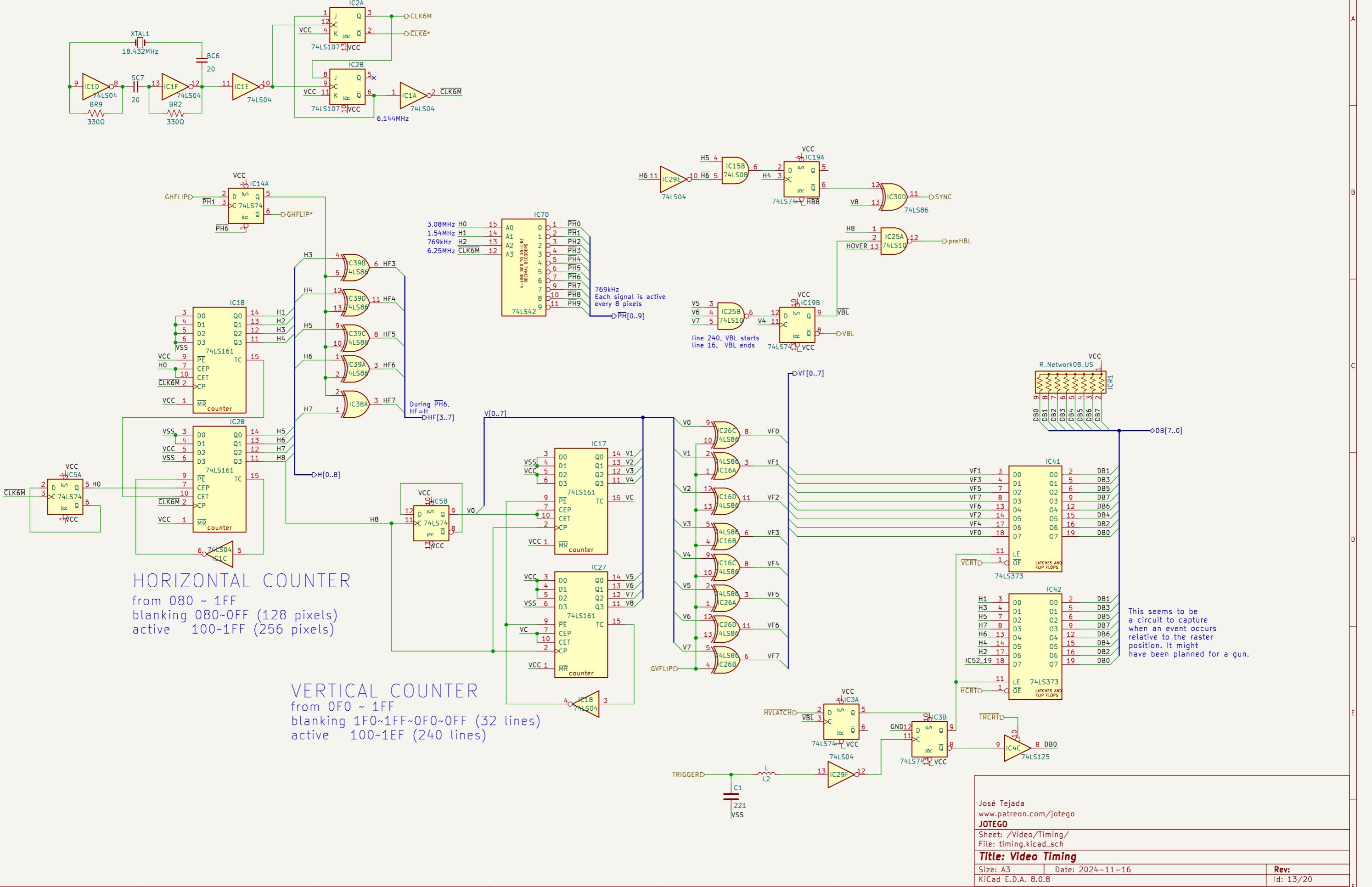
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File: sub_main.kicad_sch
Title: Subsidiary CPU

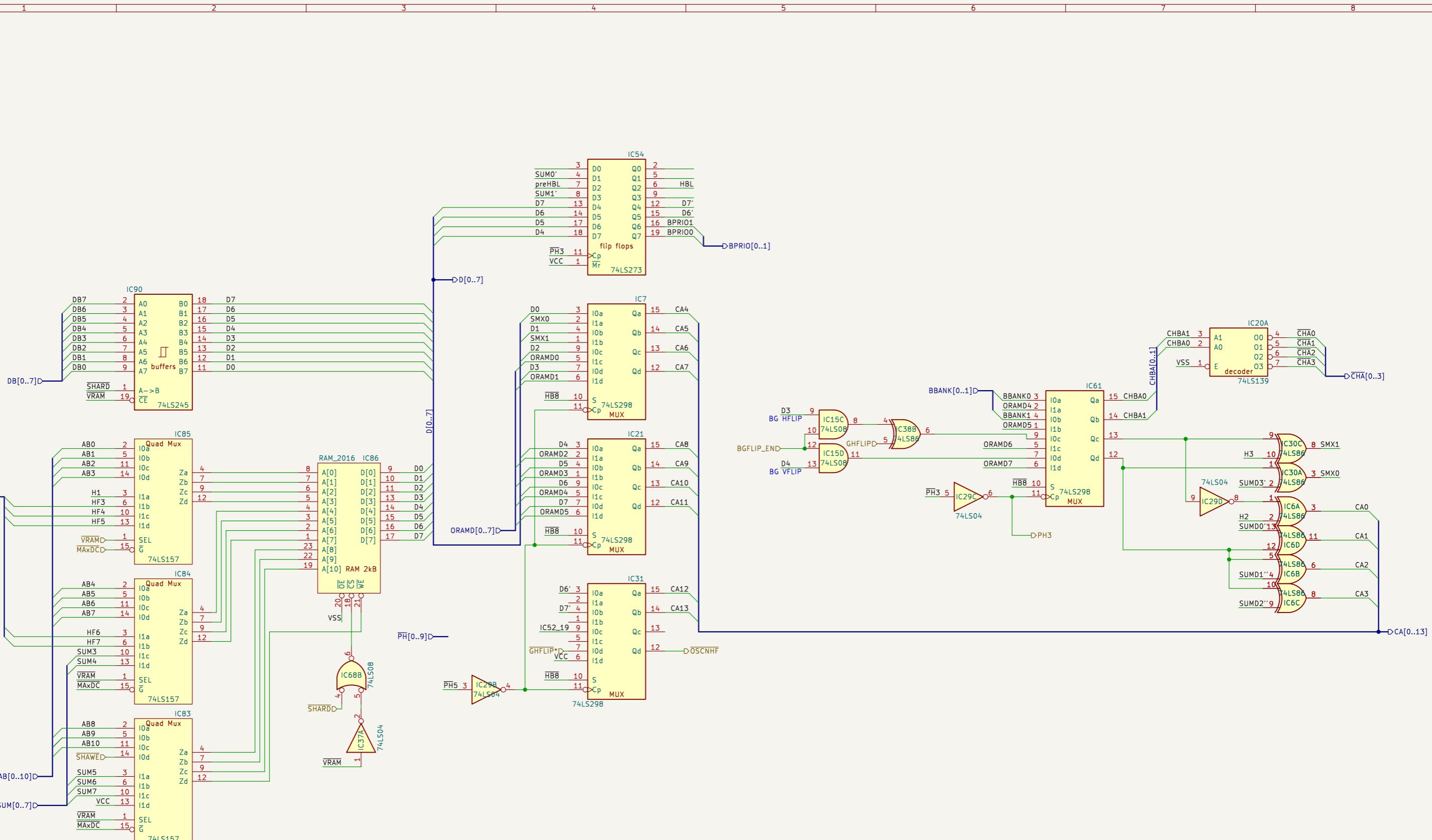
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Rev:
Id: 10/20









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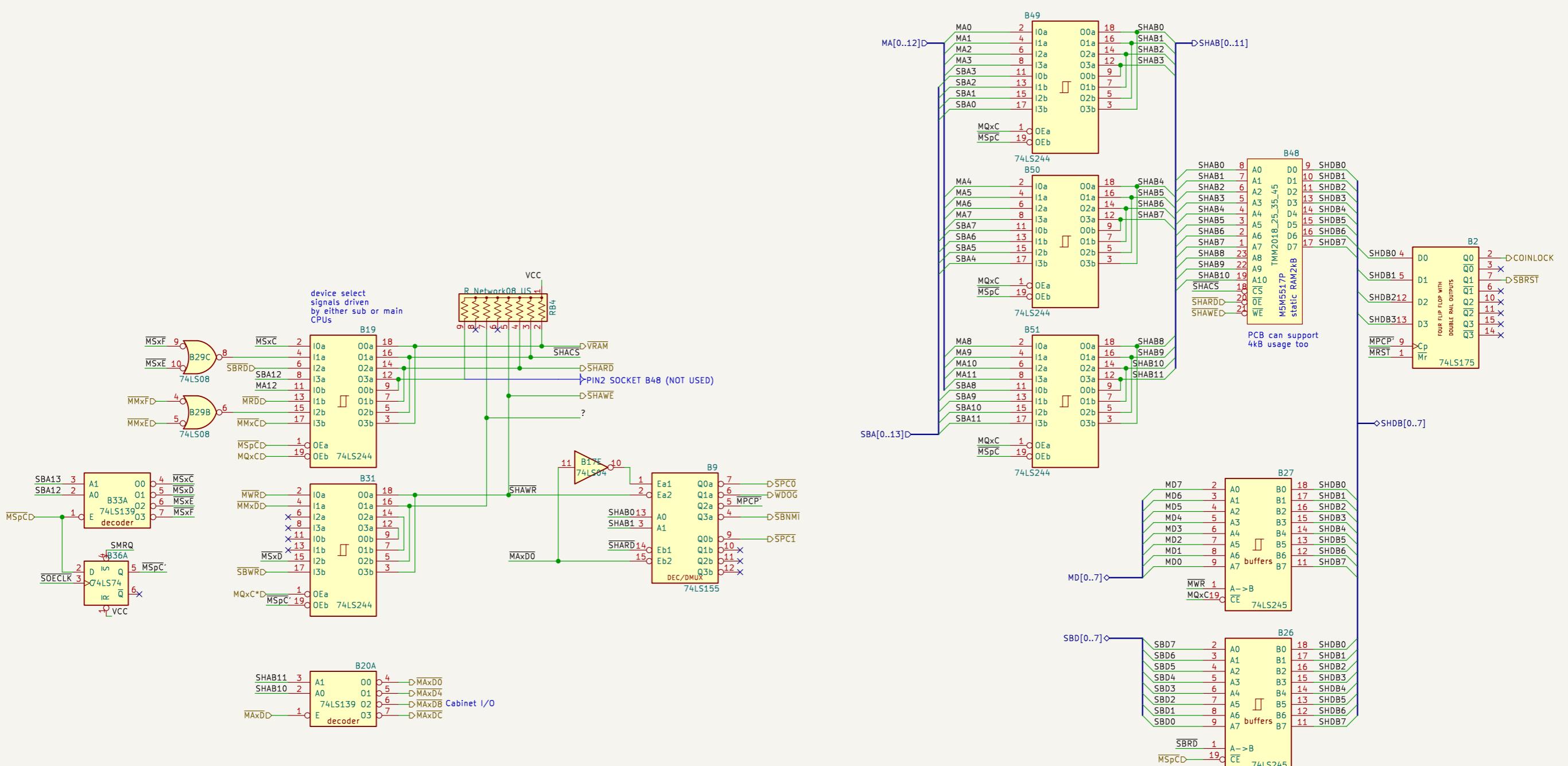
JOTEGO

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

Title: Background Video RAM

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

Rev:
Id: 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

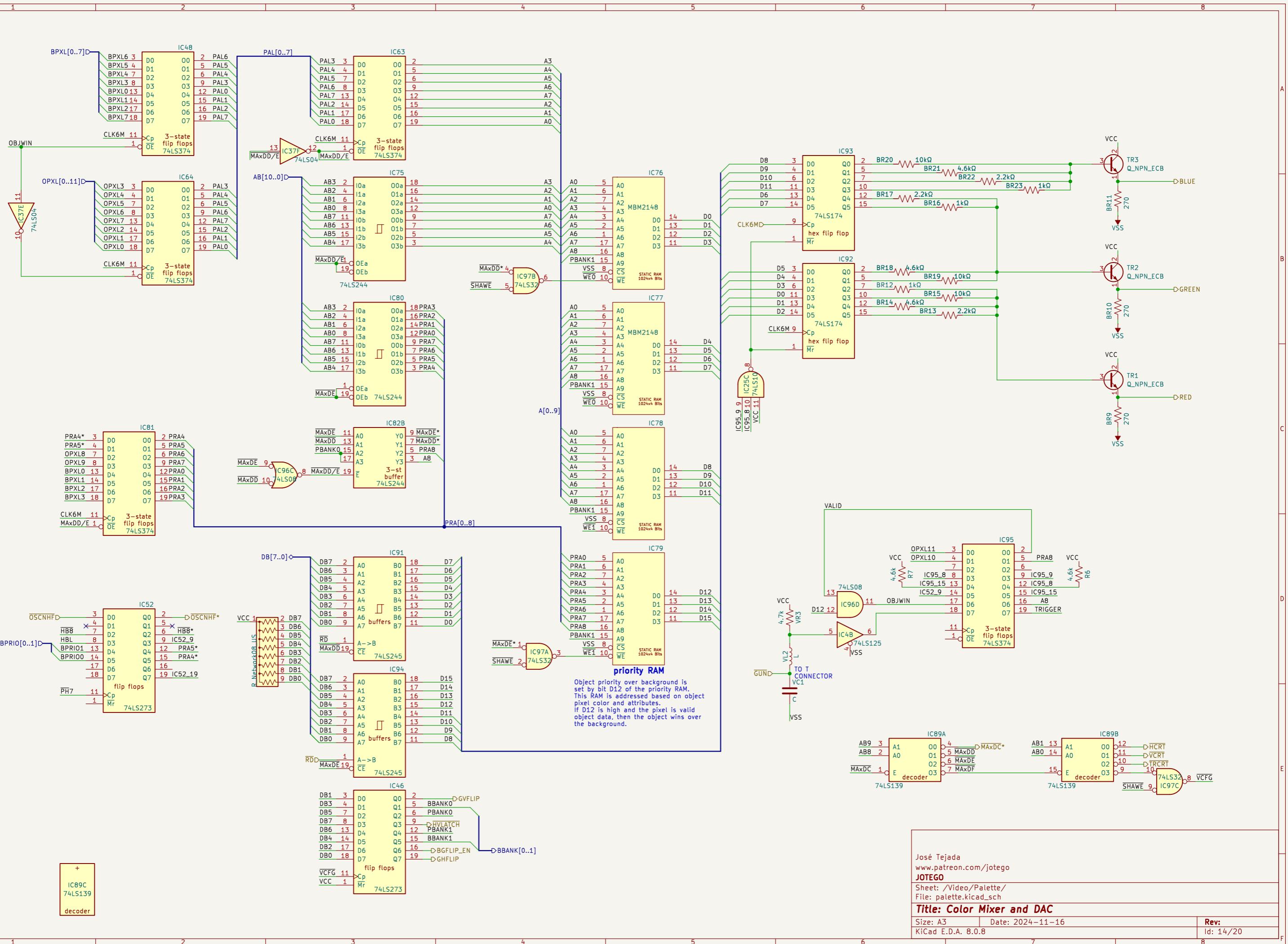
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Sheet: /Main/MCU/
File: mcu.kicad_sch

Title: MCU

Size: A3 Date: 2024-11-16
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Rev: Id: 14/20



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Sheet: /Video/Palette/

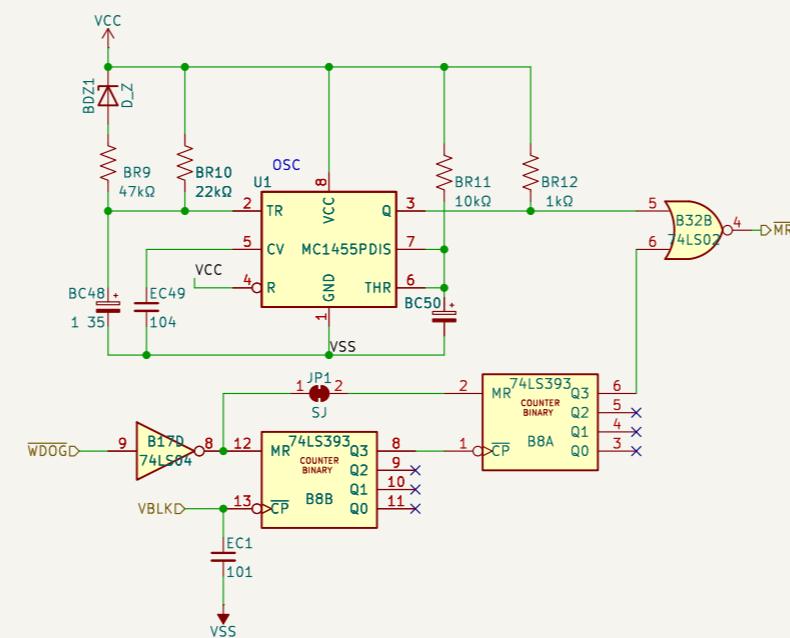
File: palette.kicad_sch

Title: Color Mixer and DAC

Size: A3 Date: 2024-11-16

KiCad E.D.A. 8.0.8

Rev: 14/20



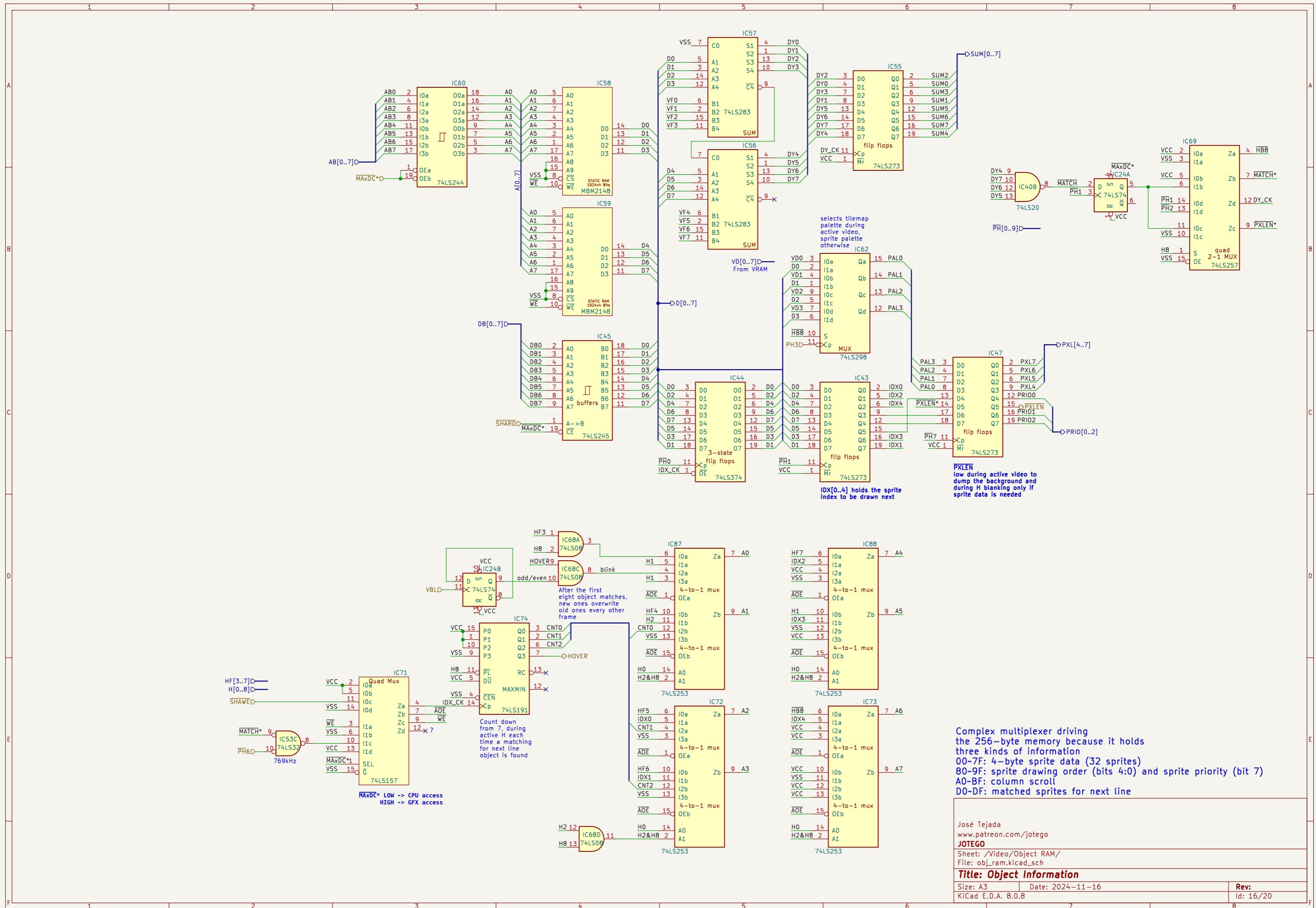
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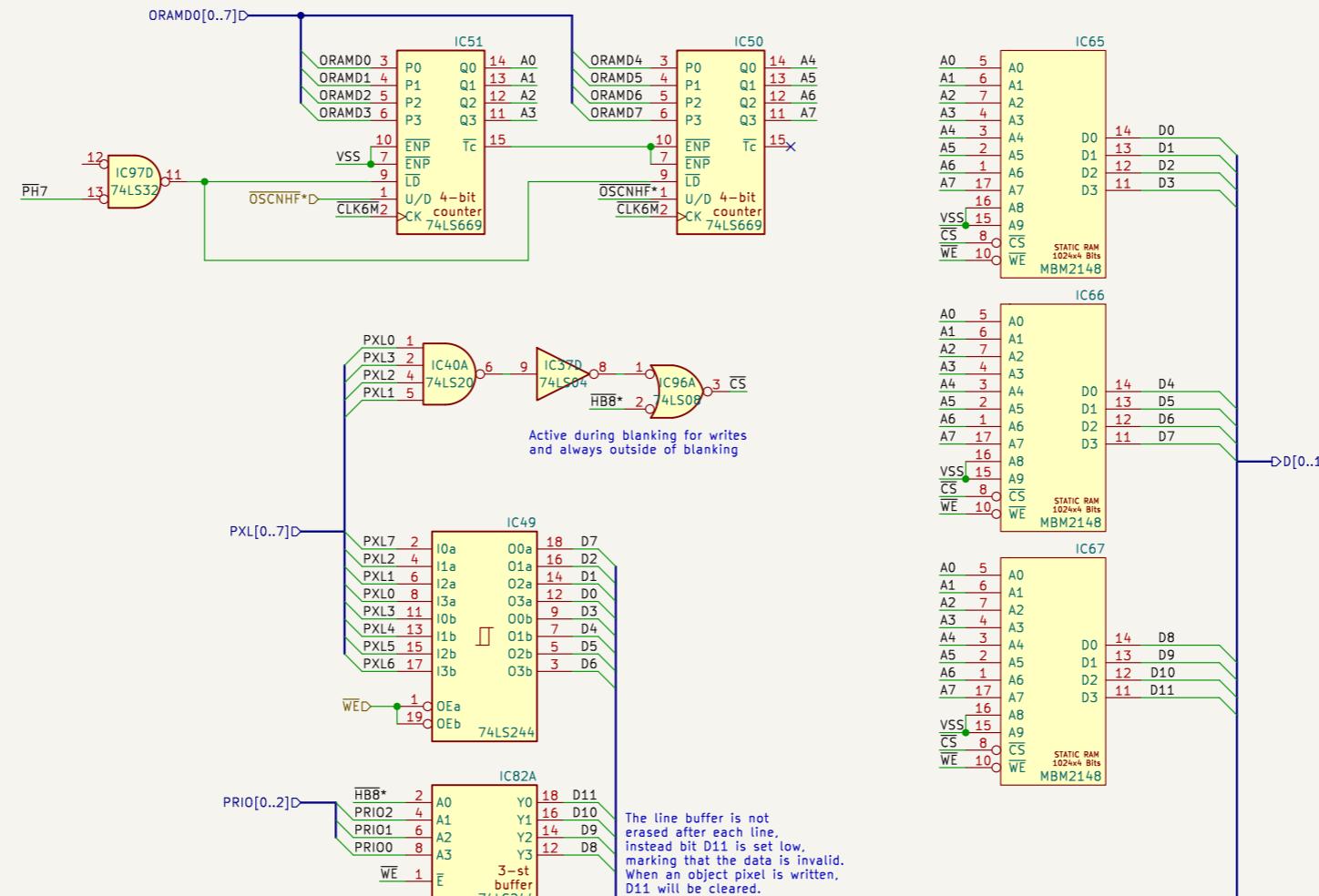
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Title:

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

Rev:
Id: 15/20





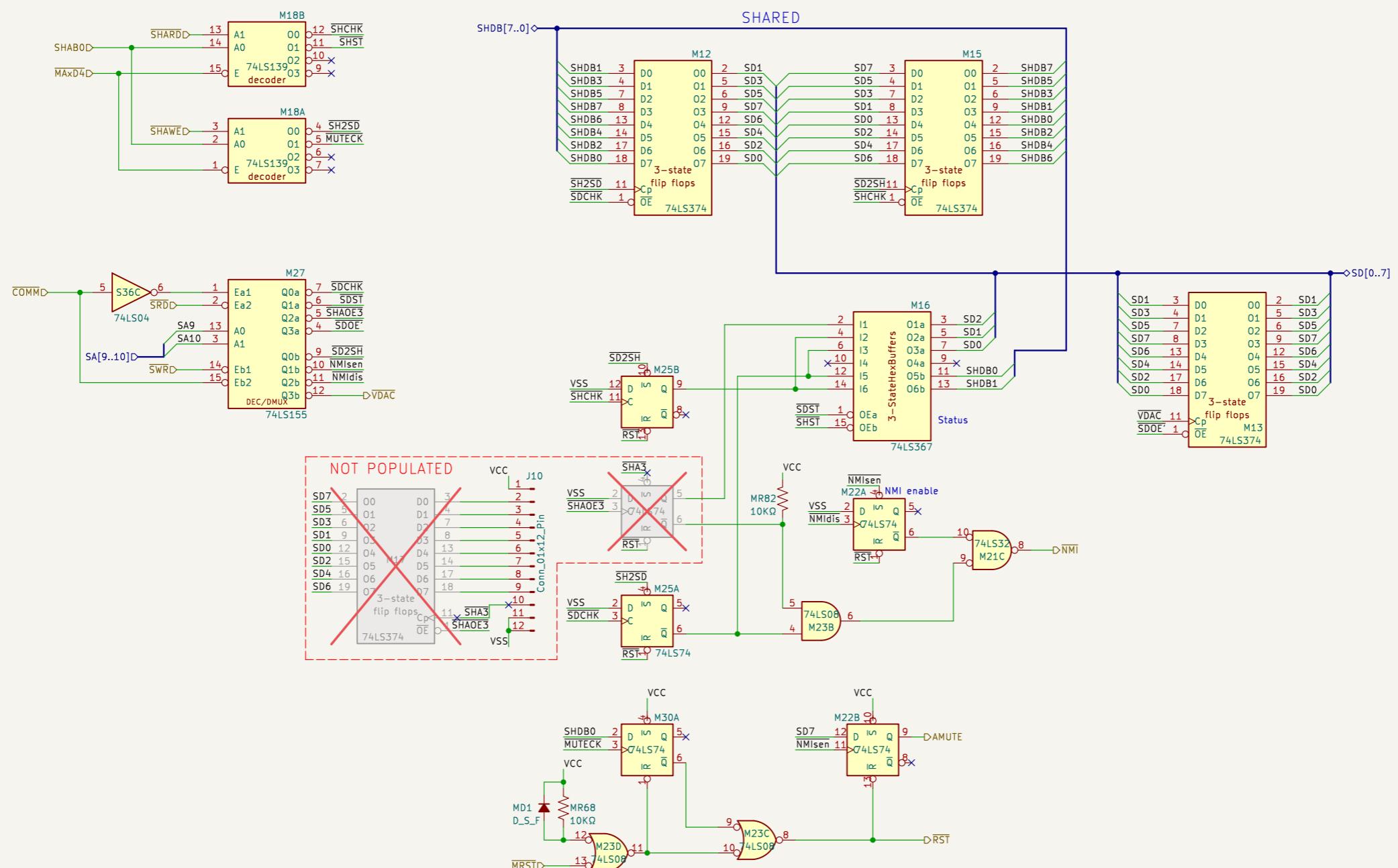
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Sheet: /Video/Line buffer/
File: linebuf.kicad_sch

Title: Single Line Video Buffer

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

Id: 17/20	F
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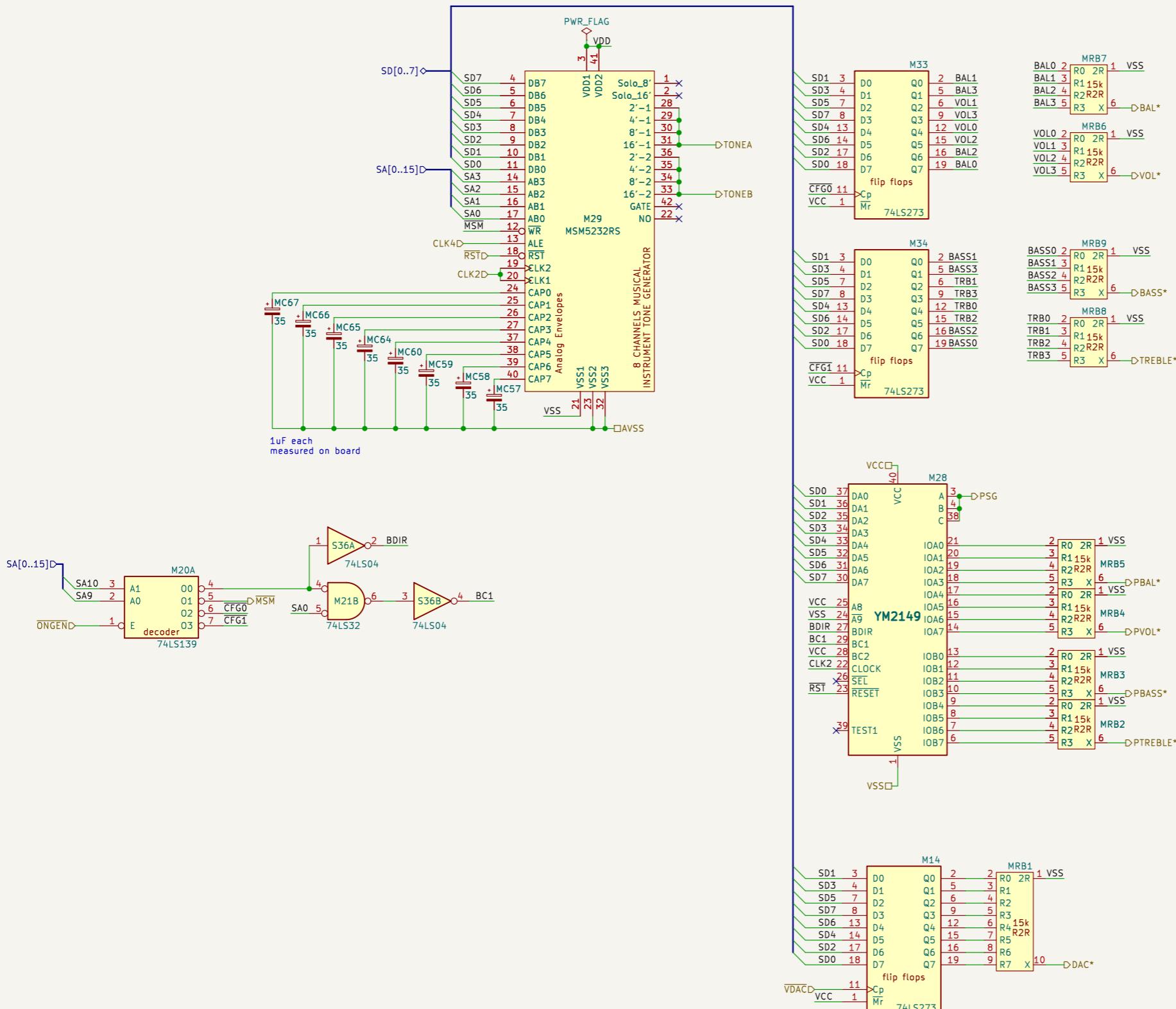
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Sheet: /Sound/Latches/
File: latches.kicad_sch

Title: Communication Latches

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

Rev: 18/20



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Title: Sound Generators

Size: A3 Date: 2024

Size: A5 Date: 2024-11-16
KiCad E.D.A. 8.0.8

RicEd E.D.I.R. 3.0.0

Digitized by srujanika@gmail.com

A

A

B

B

C

C

D

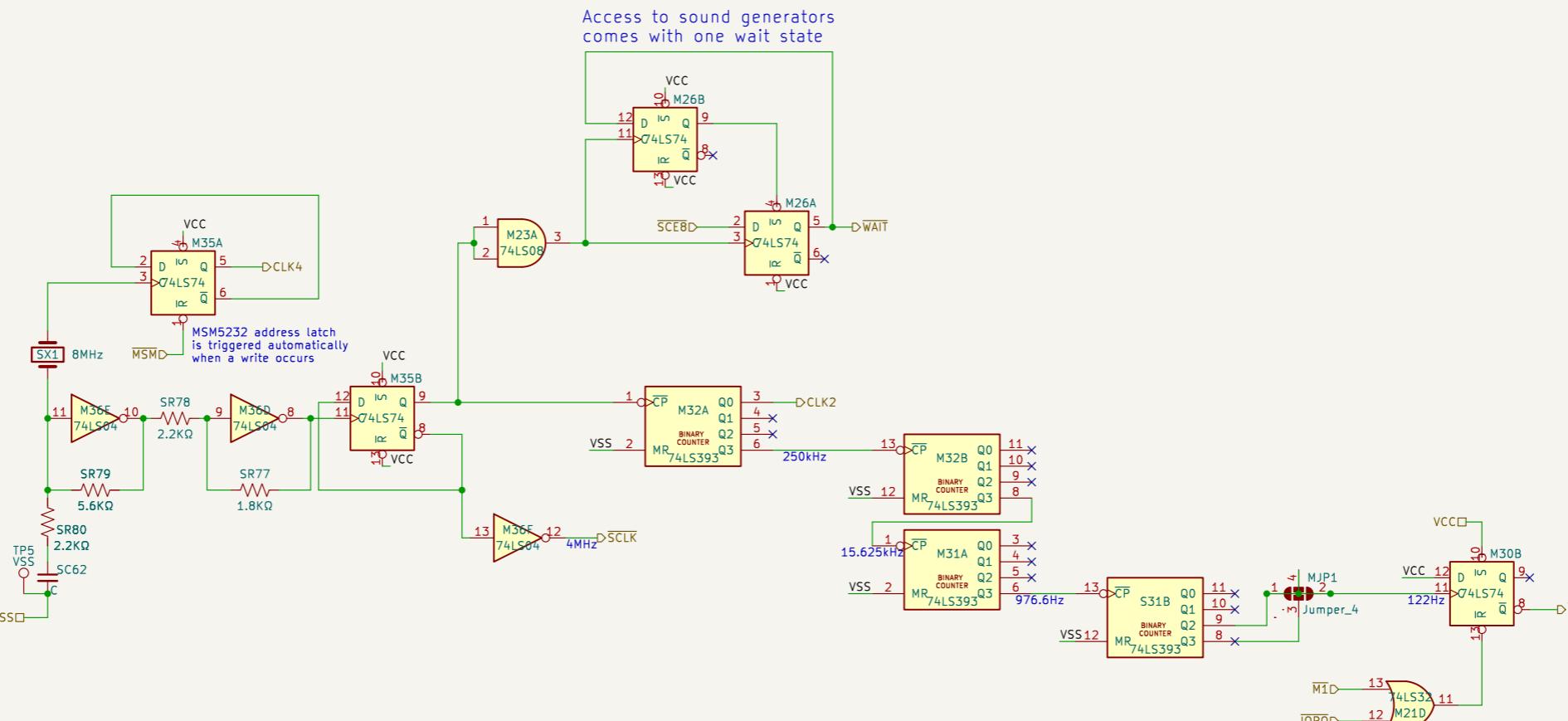
D

E

E

F

F



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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:
Id: 20/20