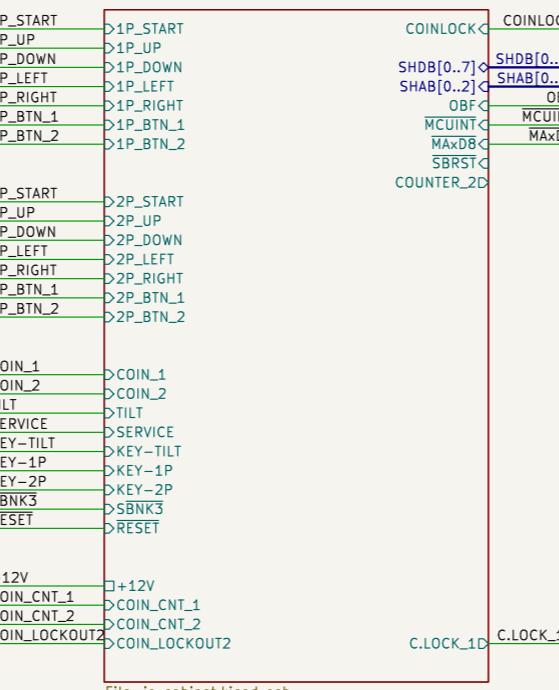
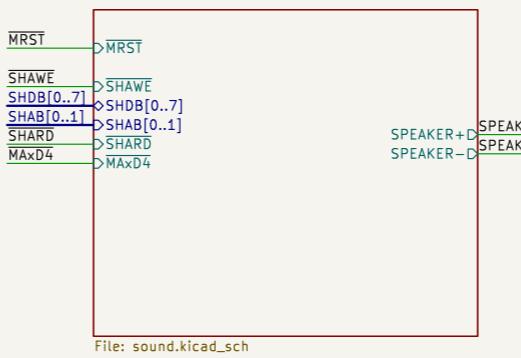


Cabinet



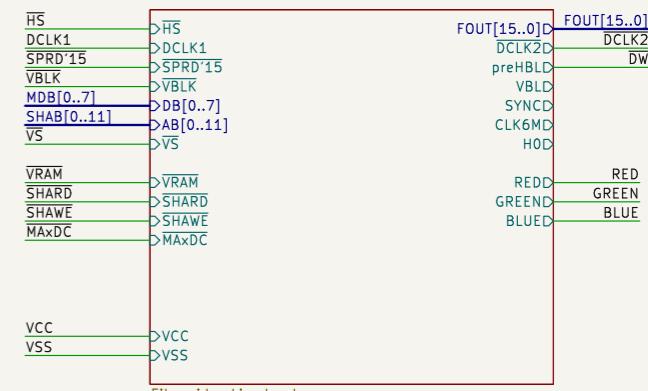
File: io_cabinet.kicad_sch

Sound



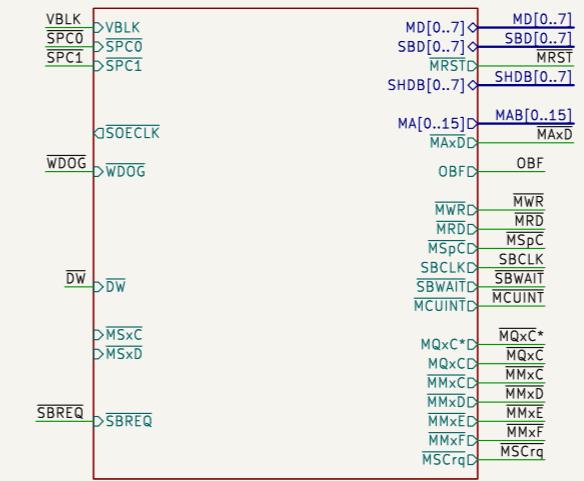
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Video



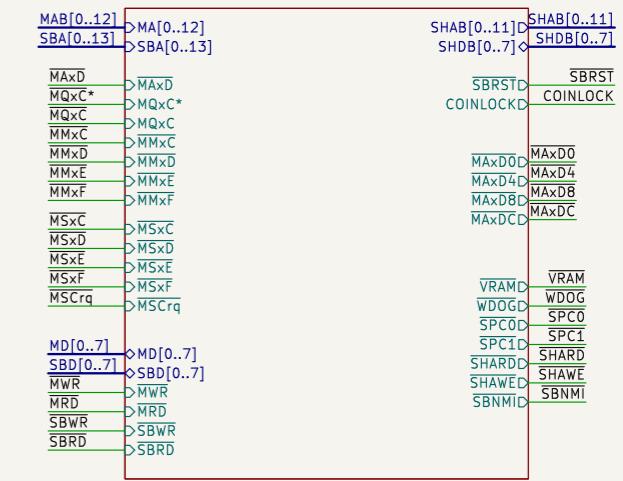
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Main



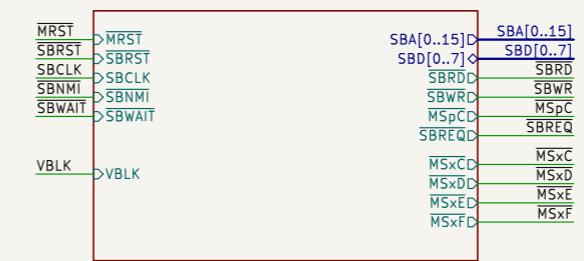
File: main.kicad_sch

Shared

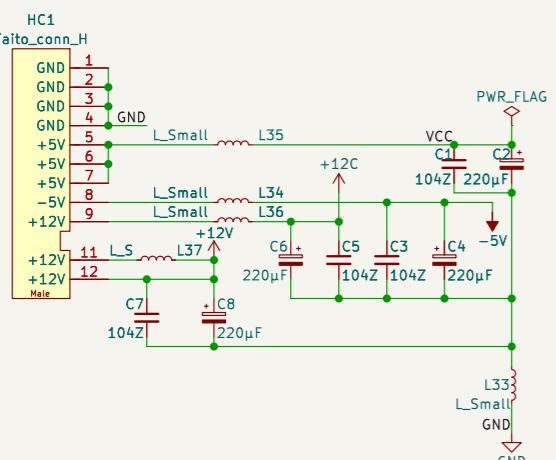


File: shared.kicad_sch

Sub



File: sub_main.kicad_sch



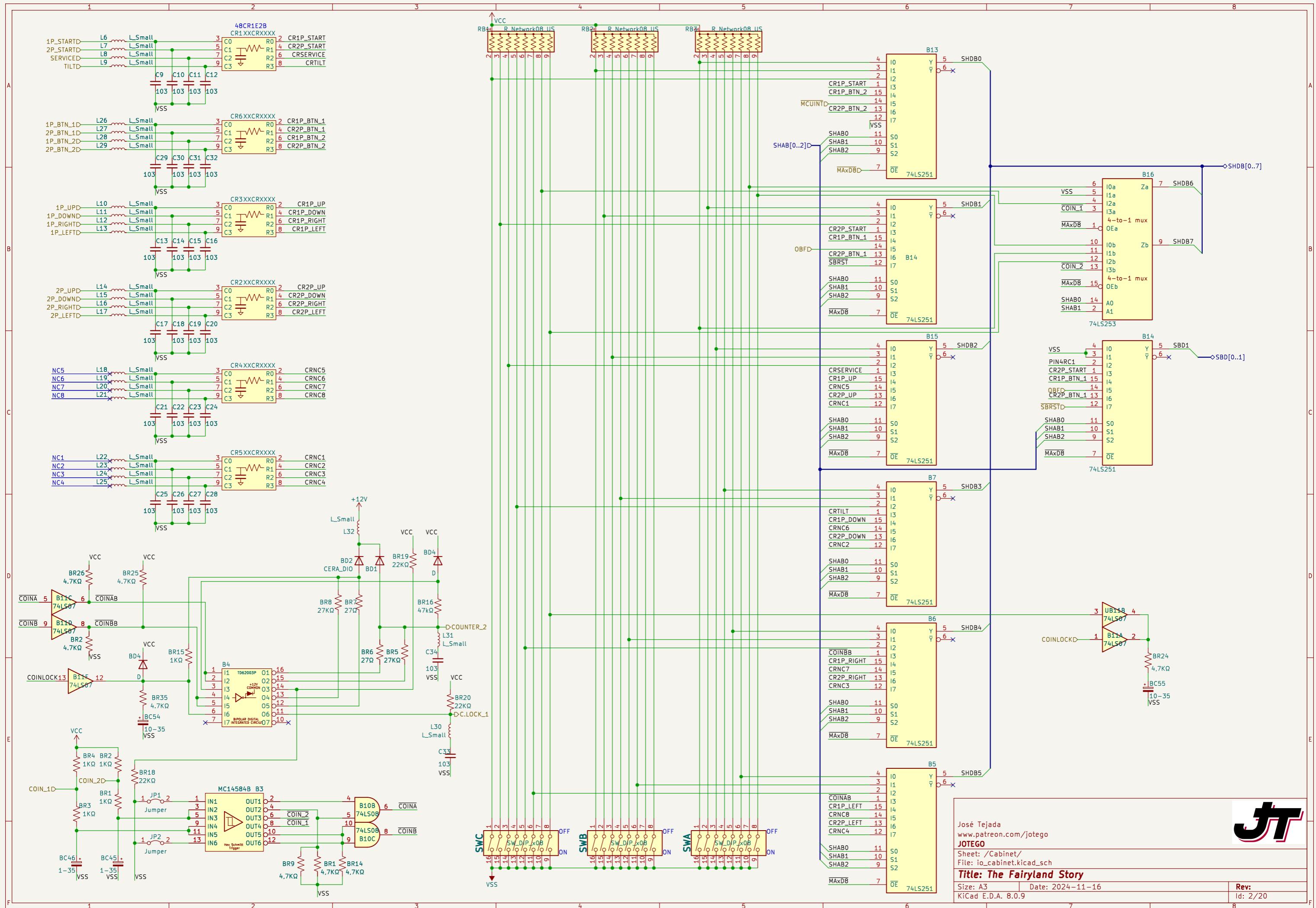
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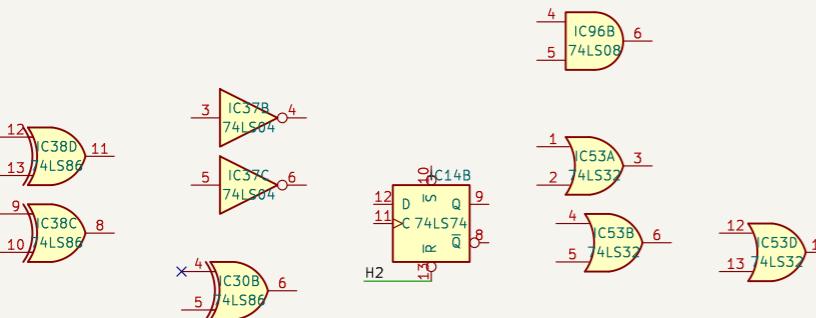
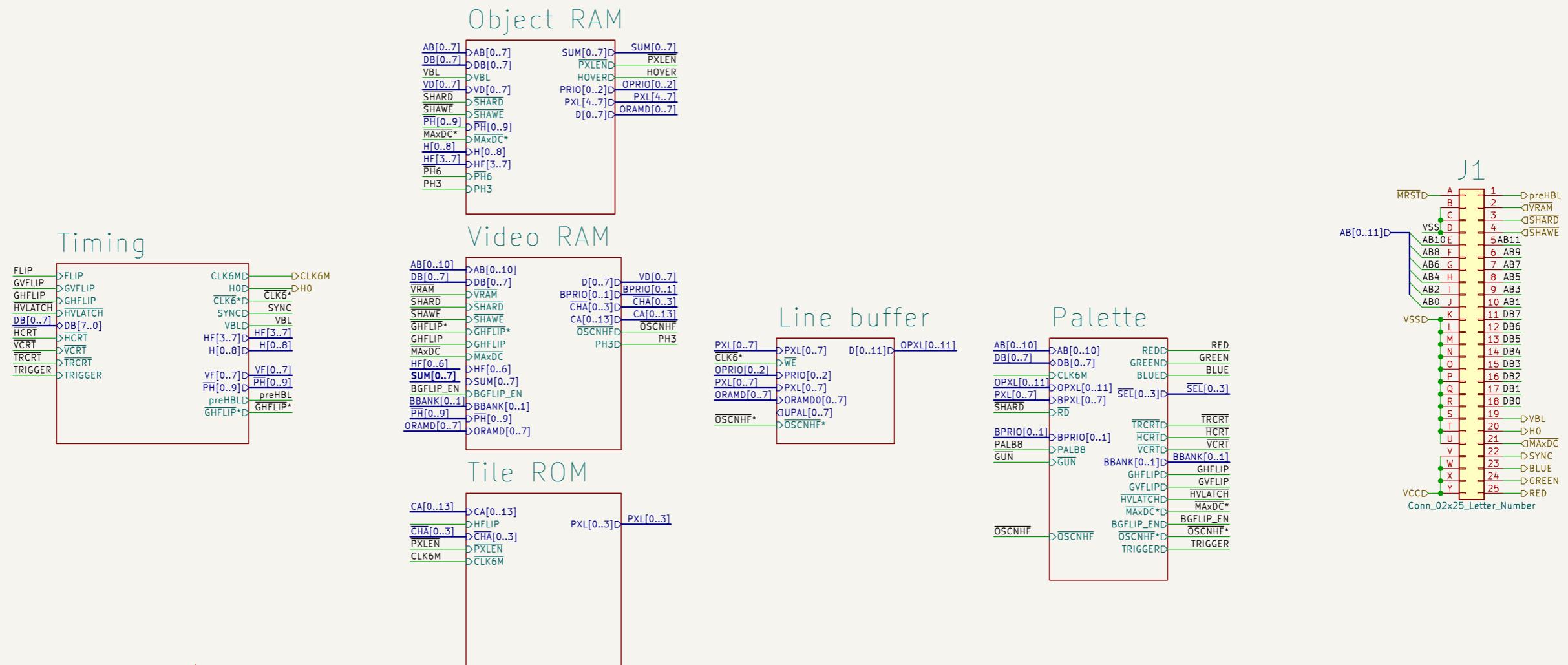
Sheet: /
File: fairyland.kicad_sch

Title: The Fairyland Story

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

Rev:
Id: 1/20





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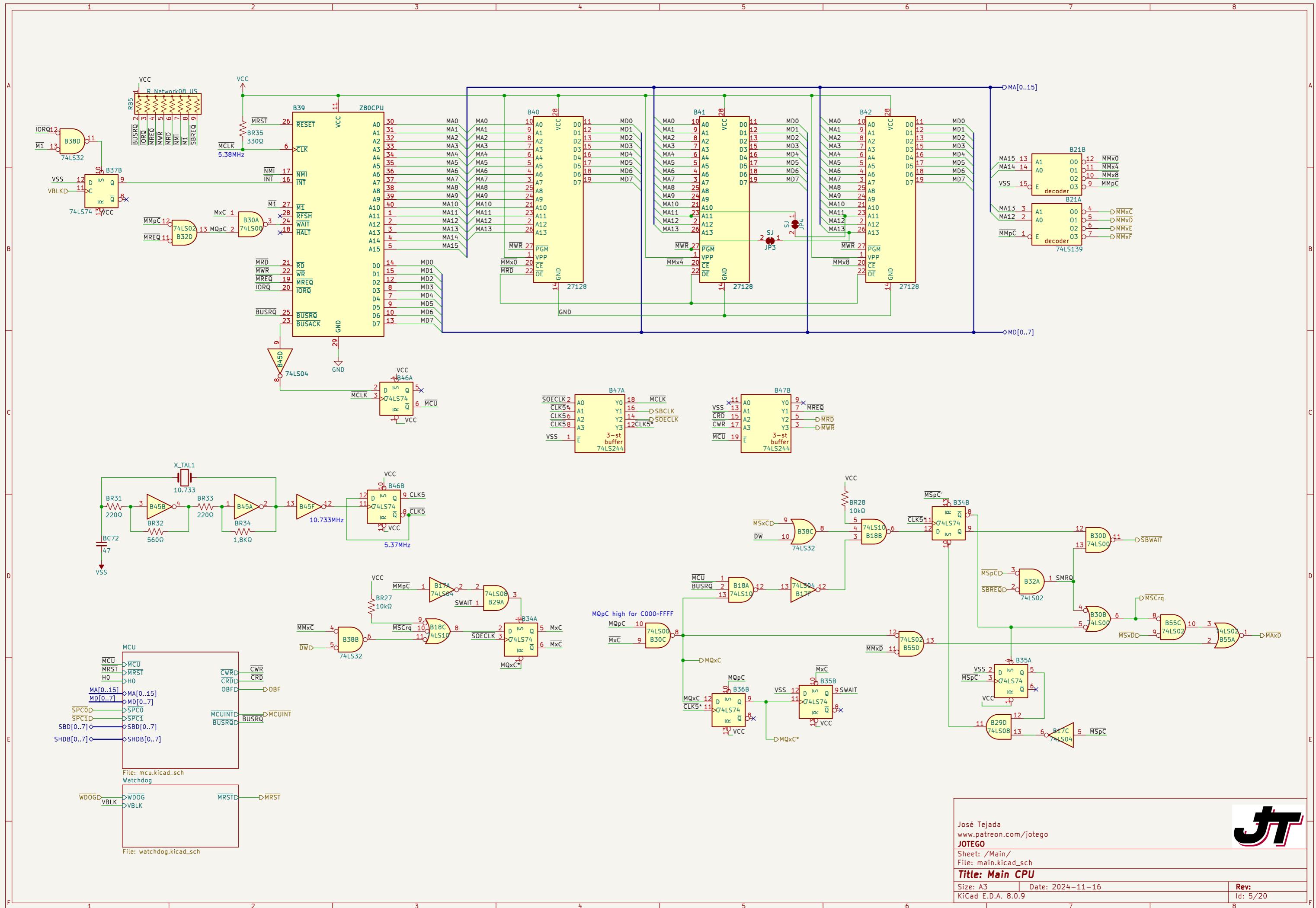
Sheet: /Video/

File: video.

Title: The Fairy

Size: A3 Date: 2

KiCad E.D.A. 8.0.9





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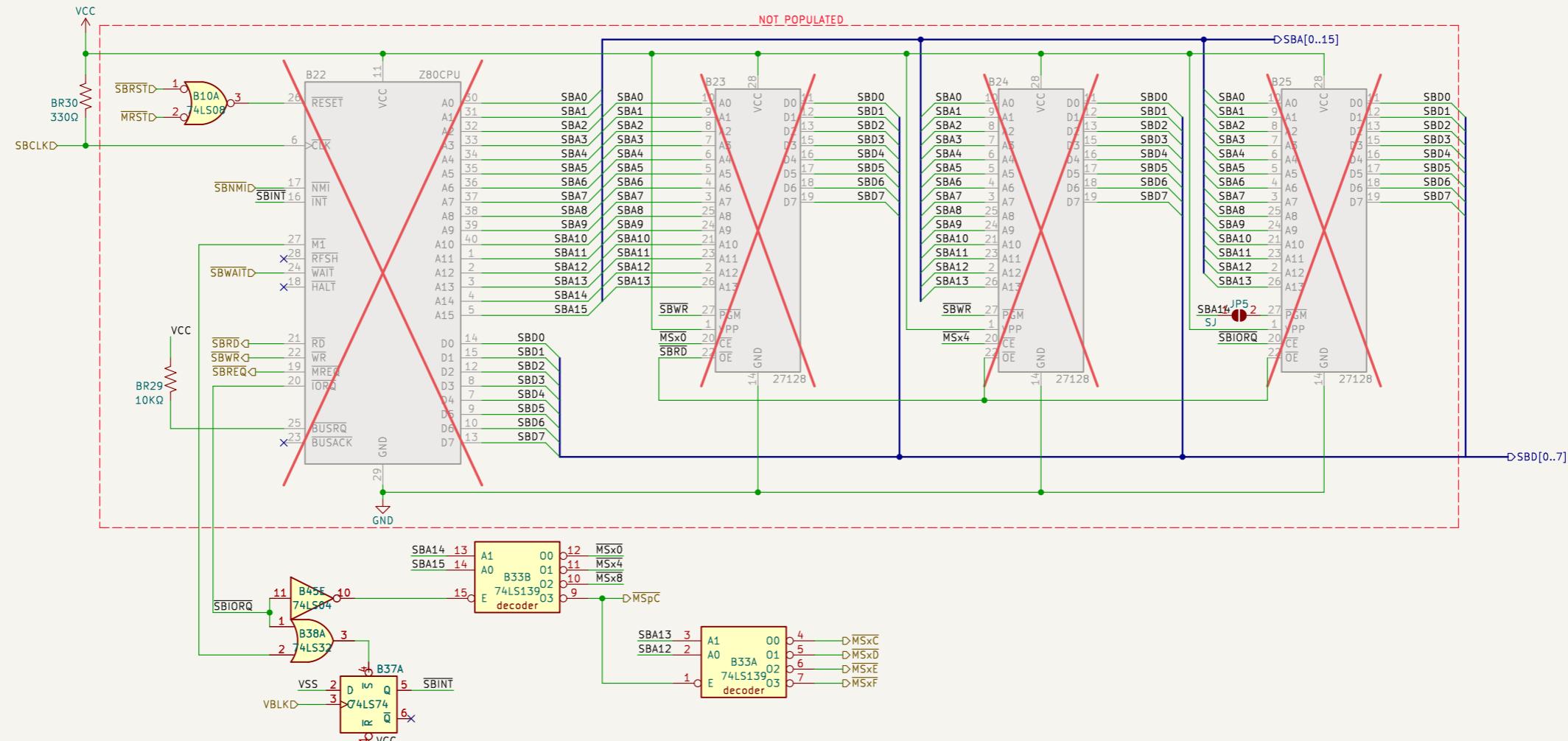
Sheet: /Sound/
 File: sound.kicad_sch

Title: Sound Board

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

Rev: 7/20



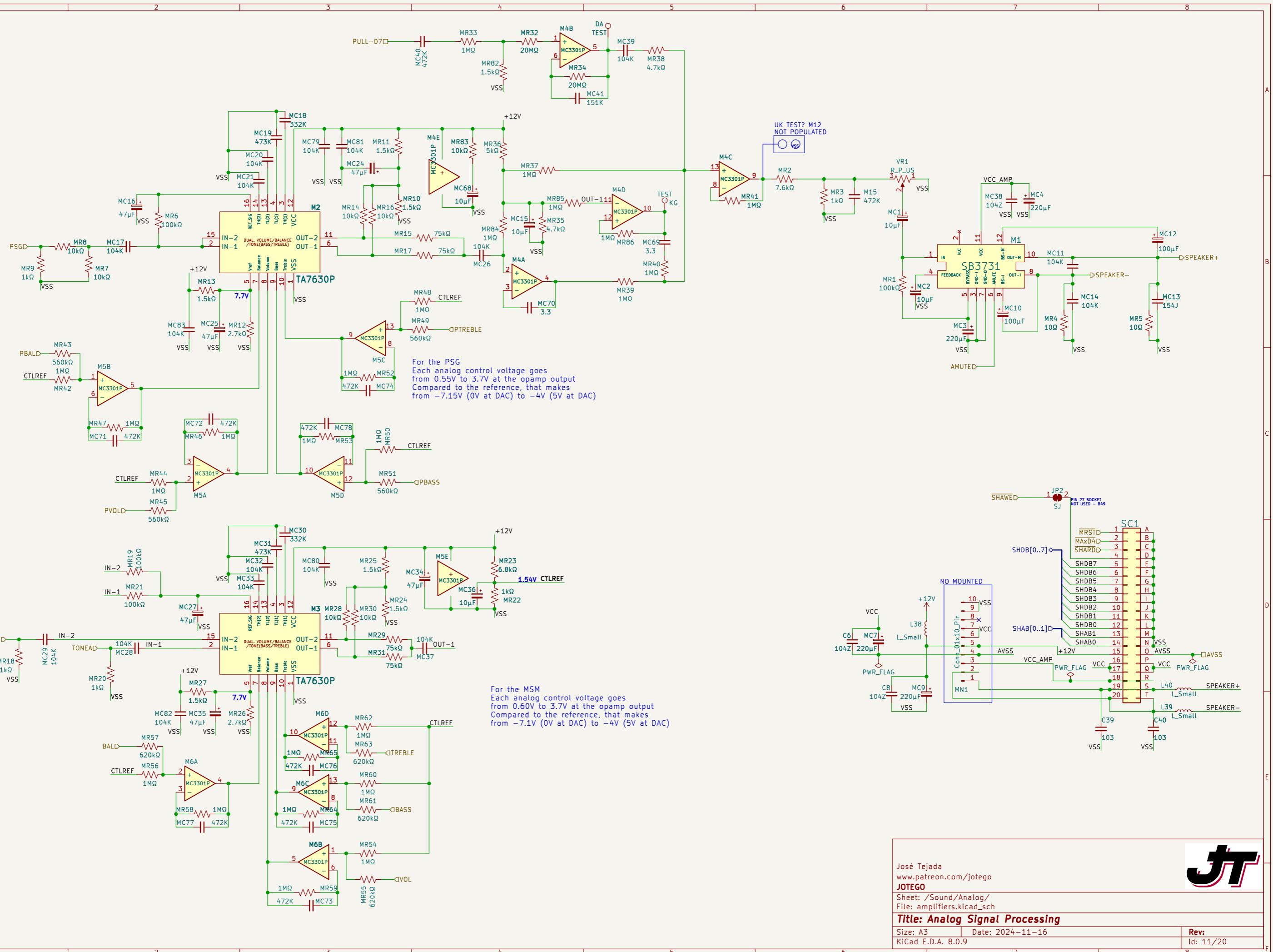


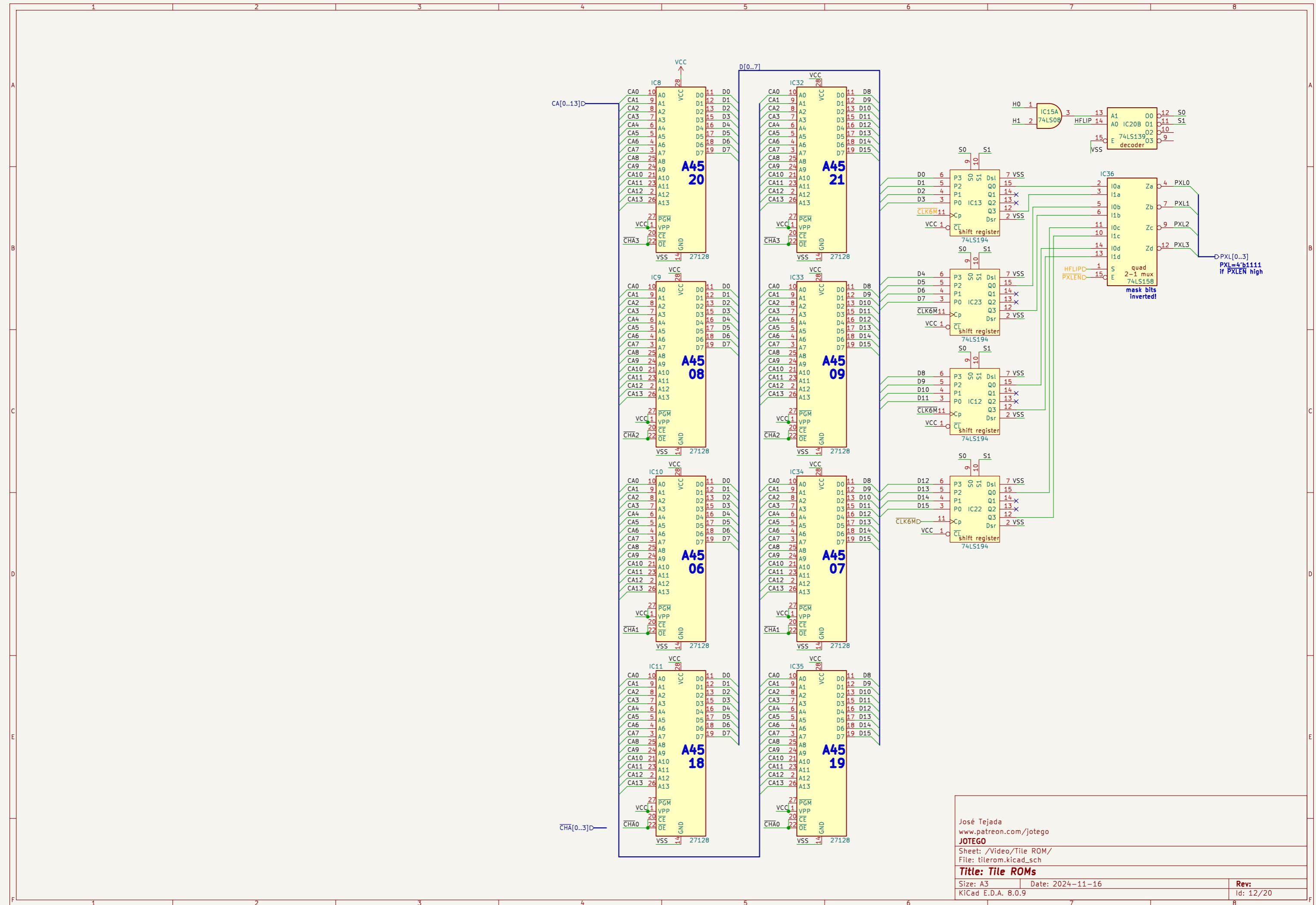
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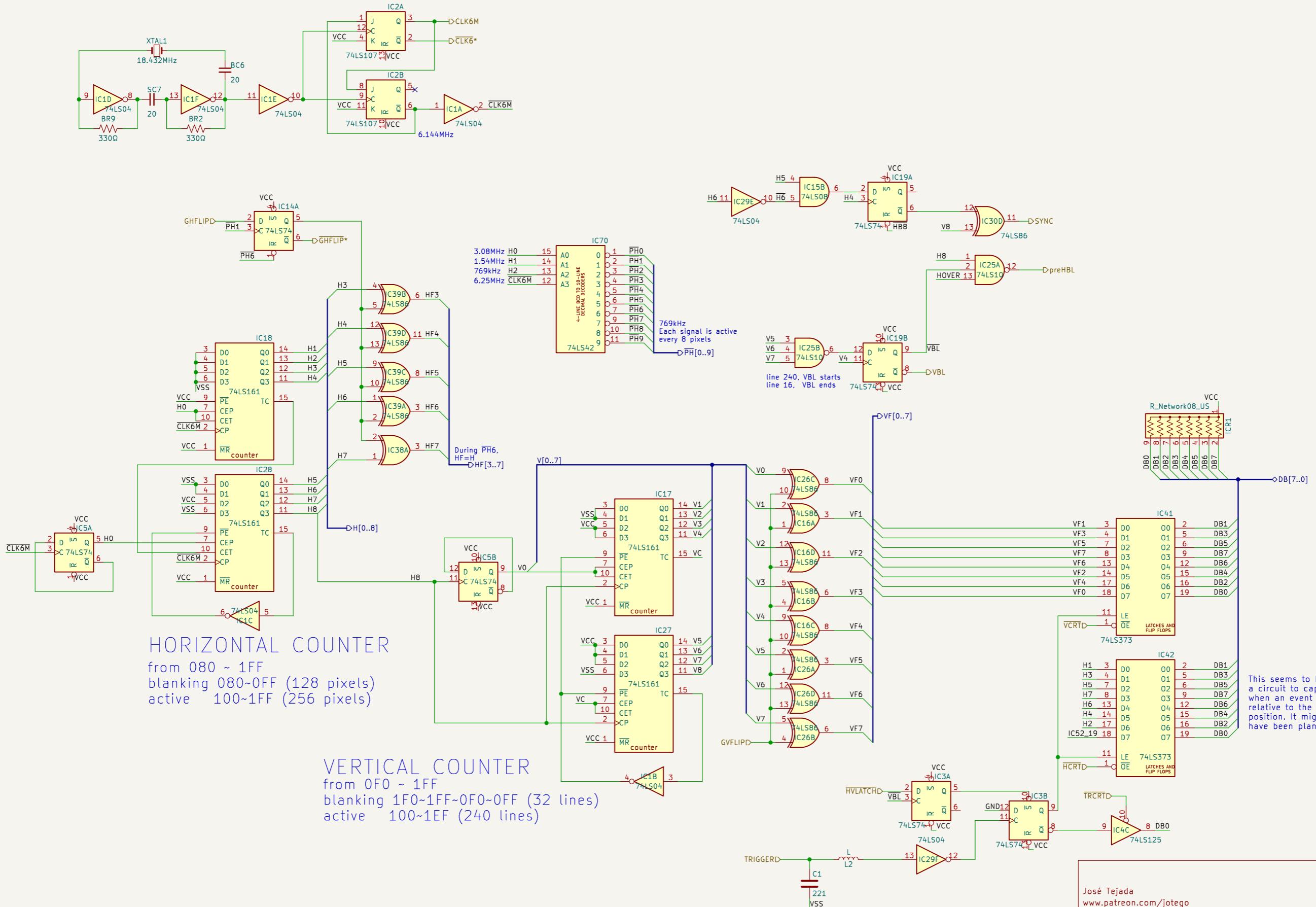
Sheet: /Sub/
File: sub_main.kicad_sch
Title: Subsidiary CPU

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

Rev: 10/20





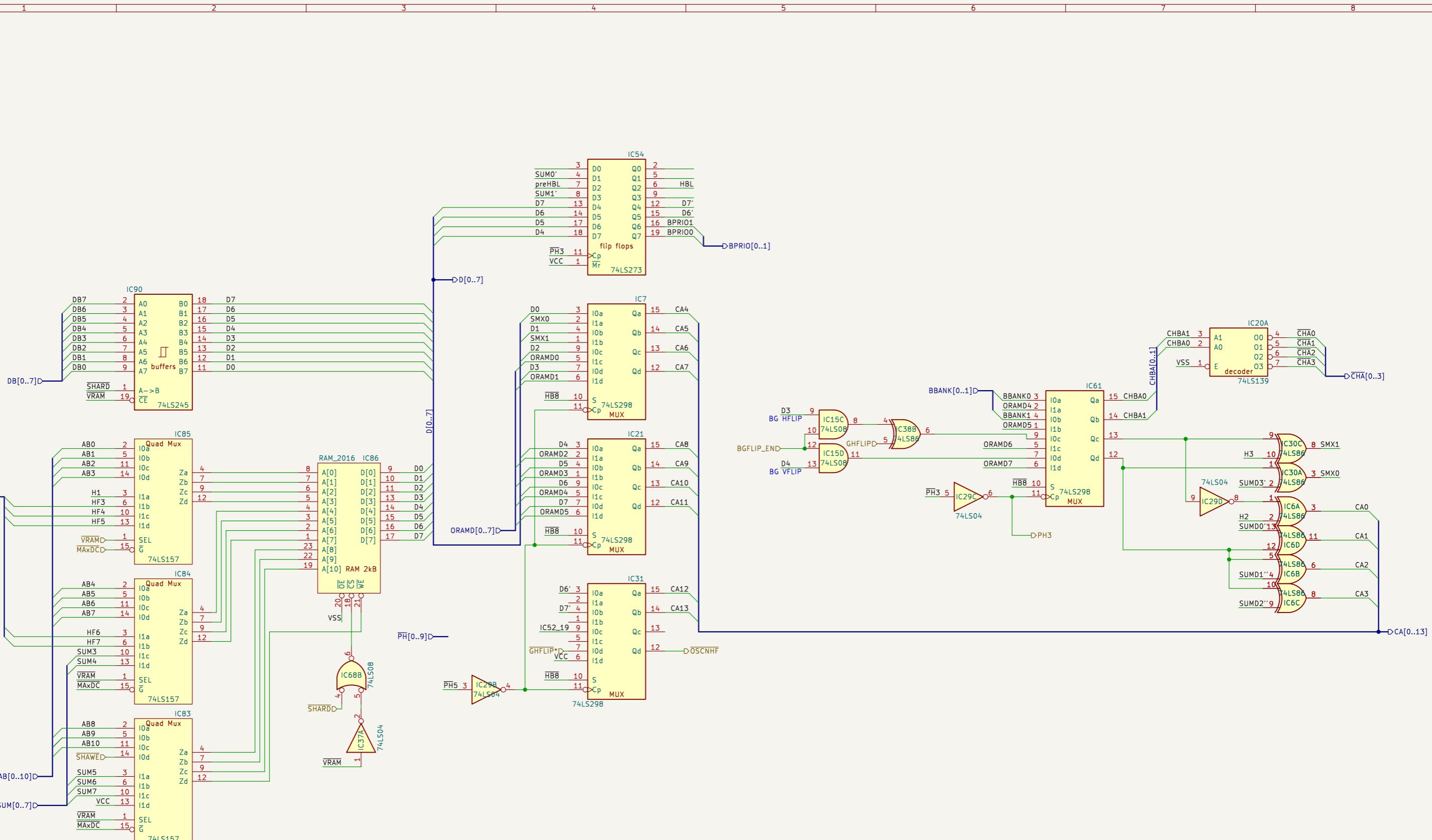


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Title: Video Timing

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



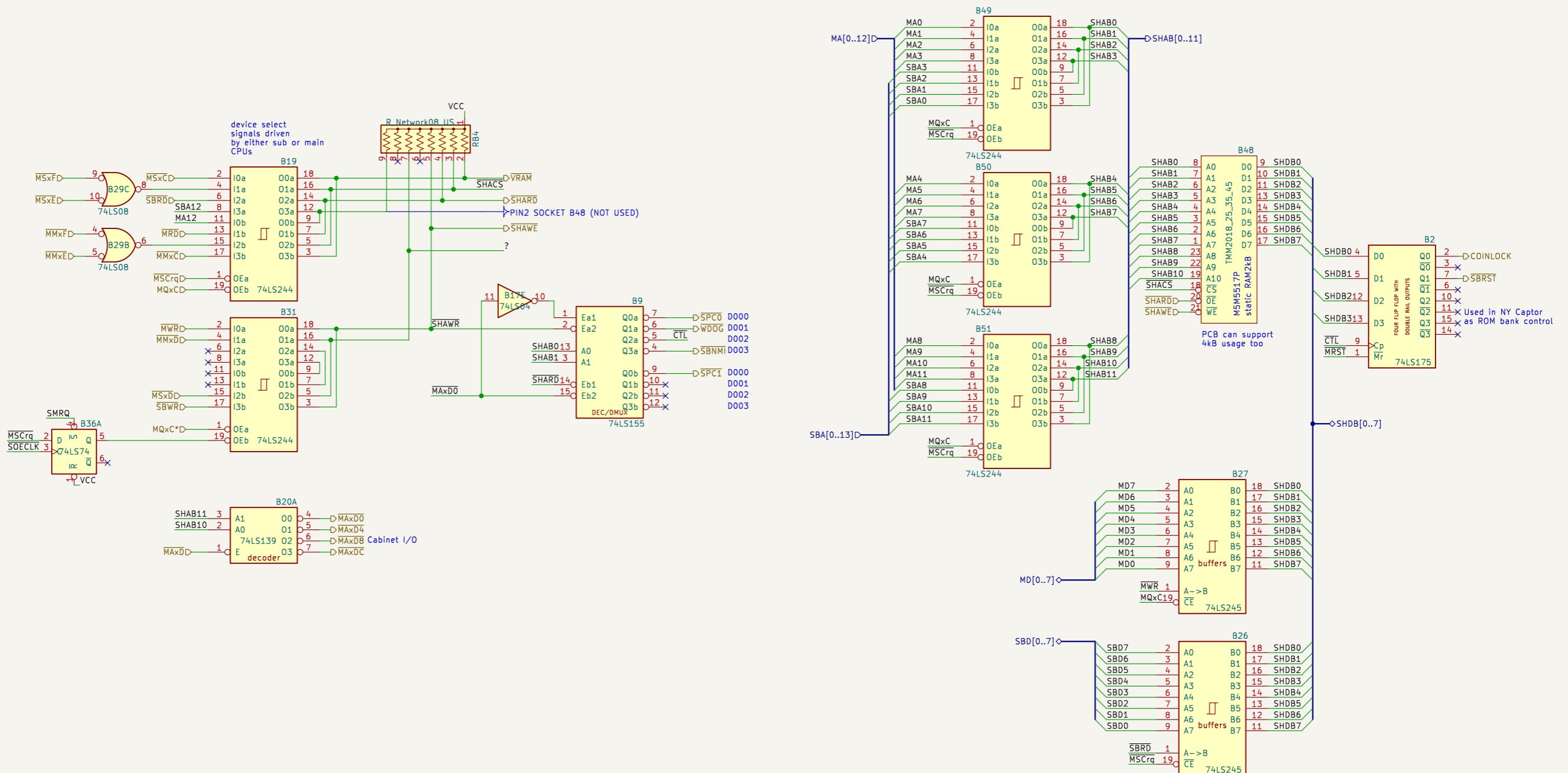
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Sheet: /Video/Video RAM/
File: vram.kicad_sch

Title: Background Video RAM

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

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

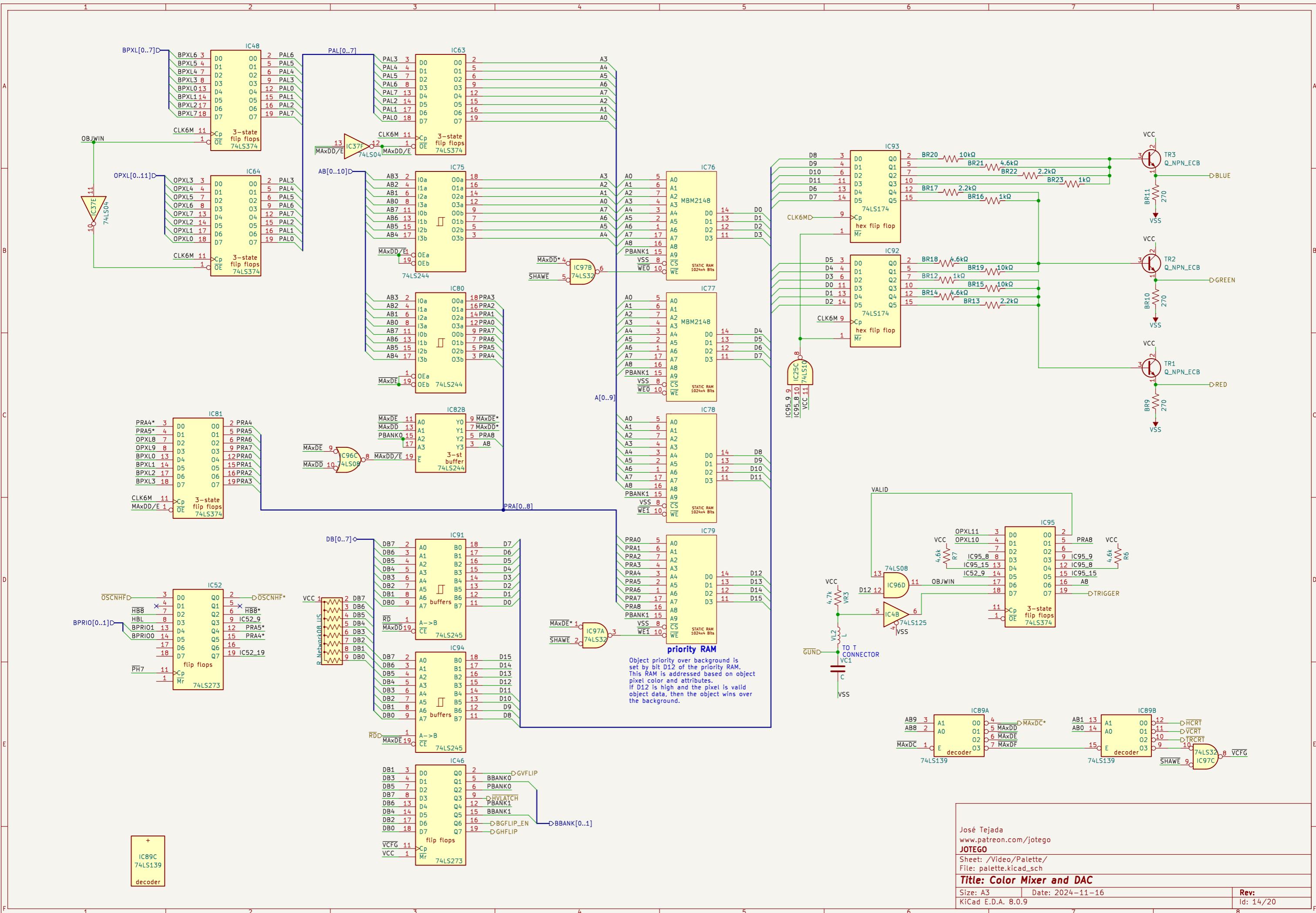
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Sheet: /Main/MCU/
File: mcu.kicad_sch

Title: MCU

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

Rev: Id: 14/20



A

B

C

D

E

F

A

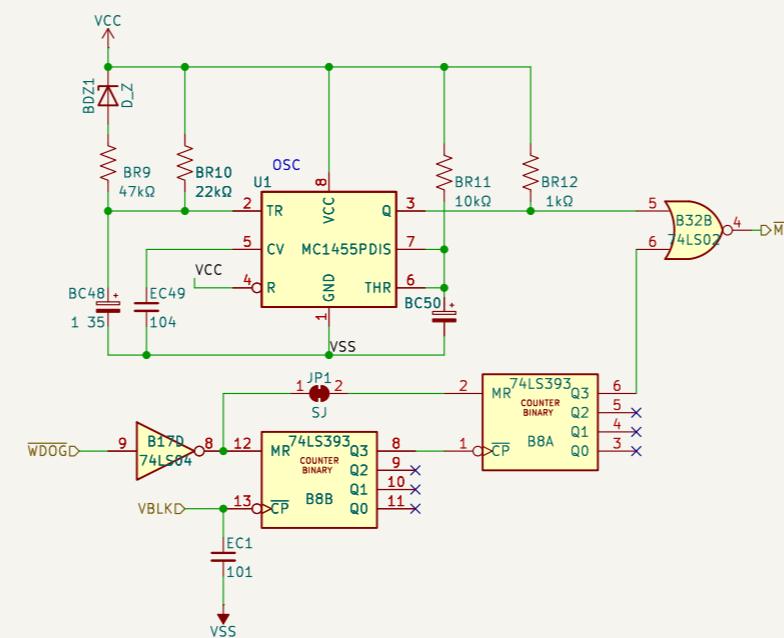
B

C

D

E

F



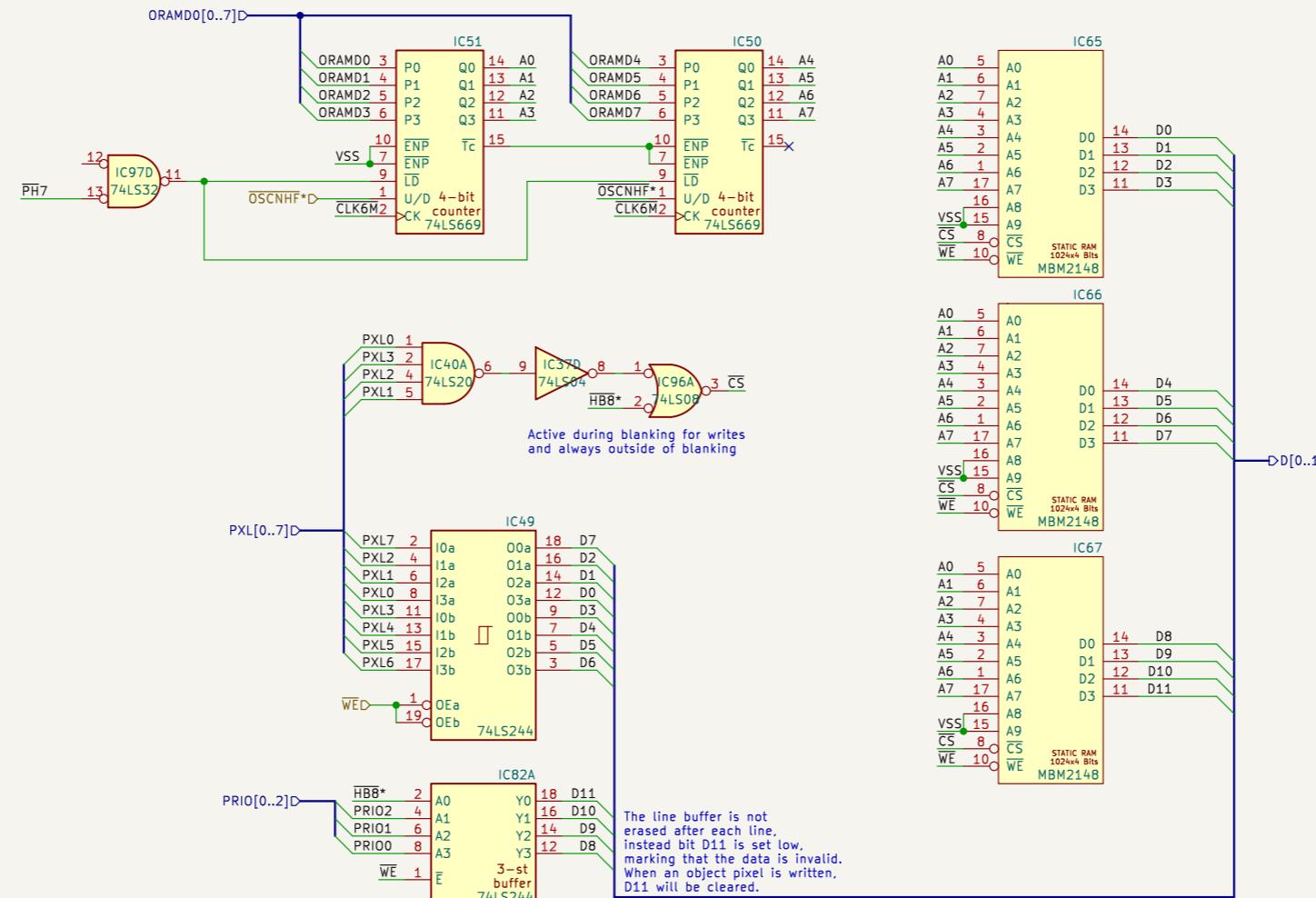
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Sheet: /Main/Watchdog/
File: watchdog.kicad_sch

Title:

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

Rev:	Id: 15/20
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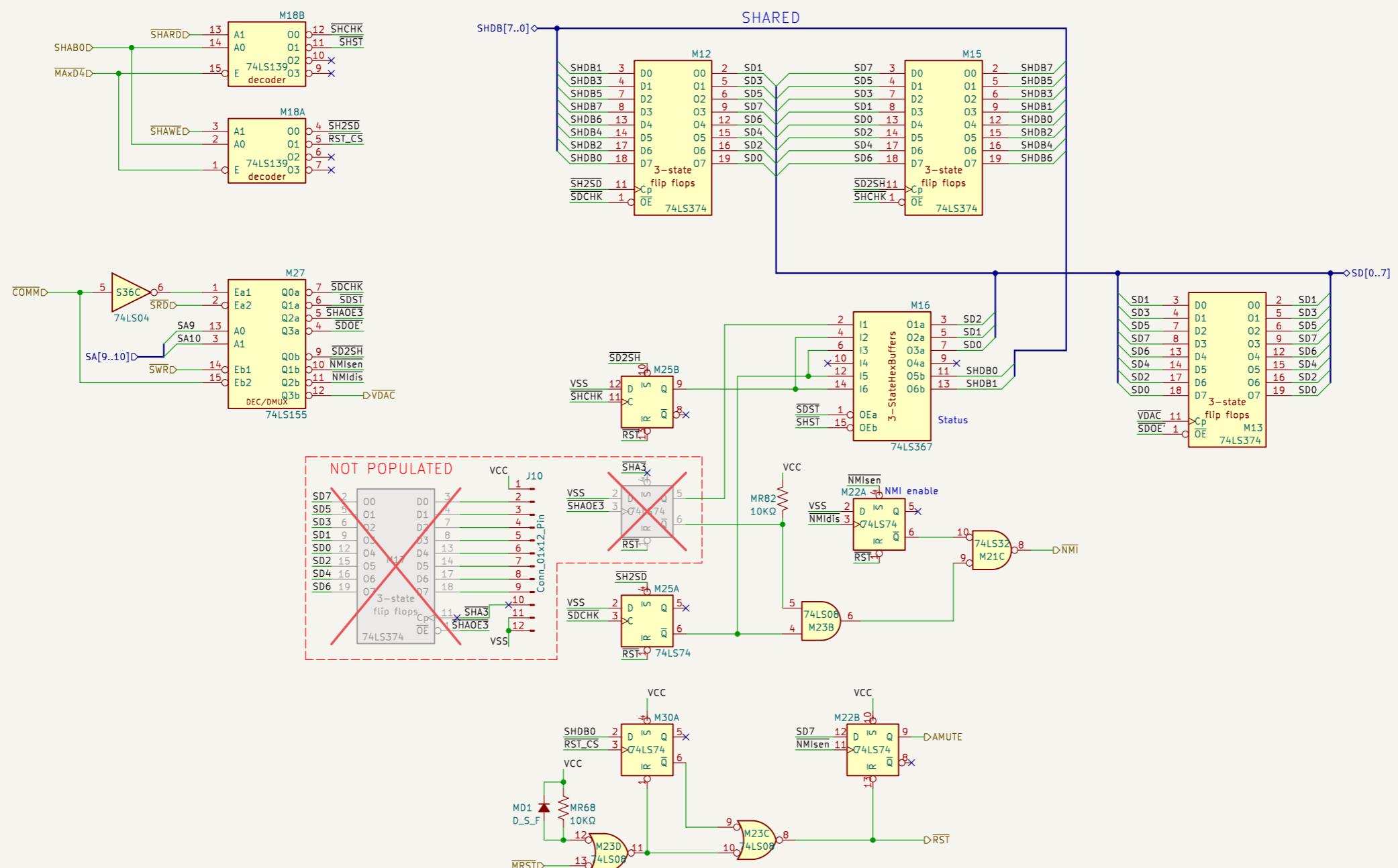


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Sheet: /Video/Line buffer/
File: linebuf.kicad_sch

Title: Single Line Video Buffer

Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.9	Rev: 17/20



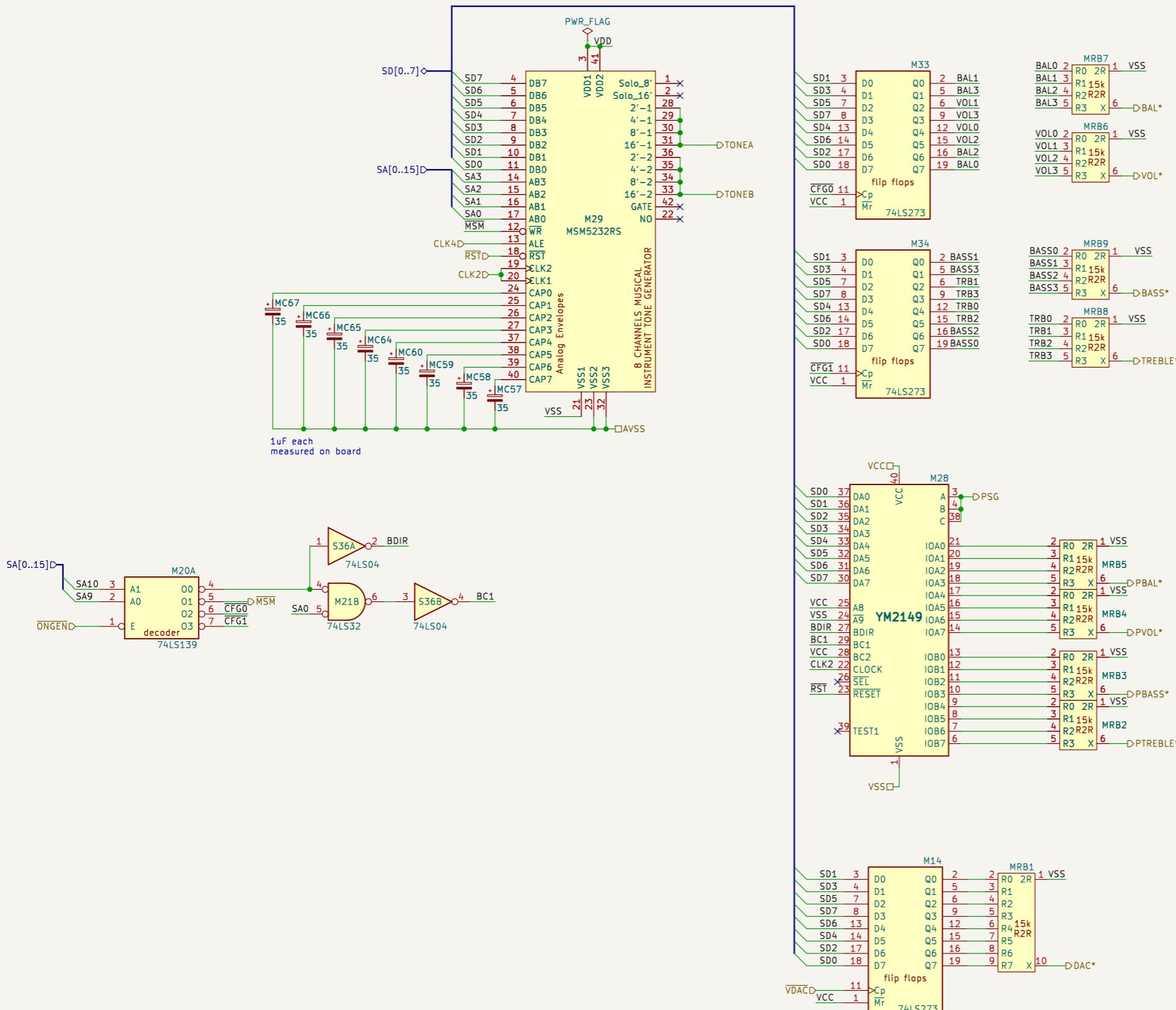
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Sheet: /Sound/Latches/
File: latches.kicad_sch

Title: Communication Latches

Size: A3 | Date: 2024-11-16
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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

A

A

B

B

C

C

D

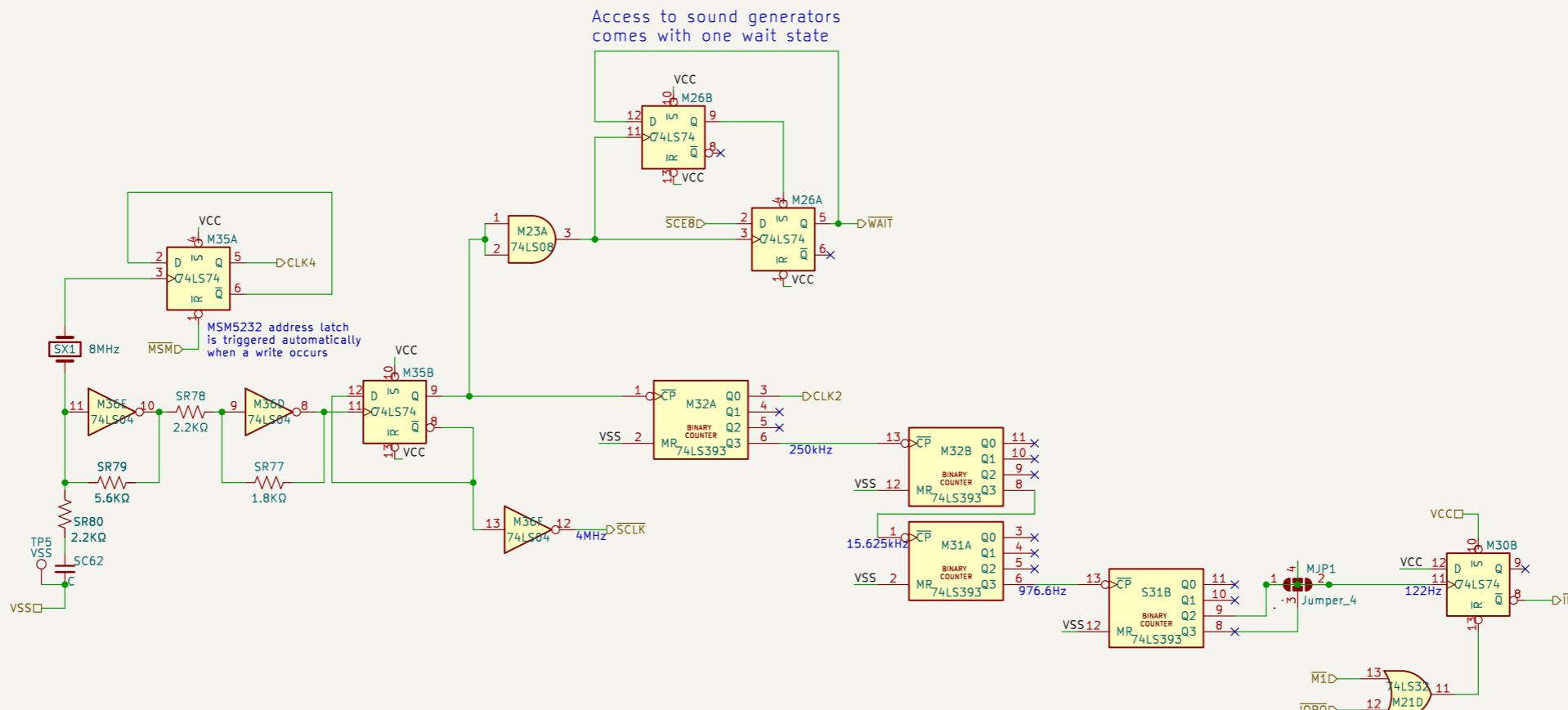
D

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. 8.0.9

Rev:
Id: 20/20