

1 2 3 4 5 6 7 8

A

A

B

B

C

C

D

D

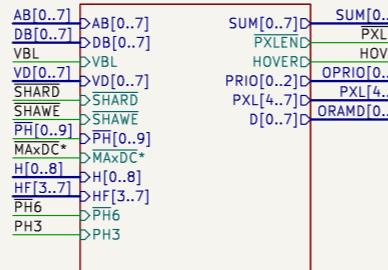
E

E

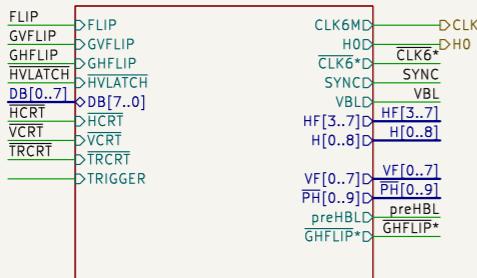
F

F

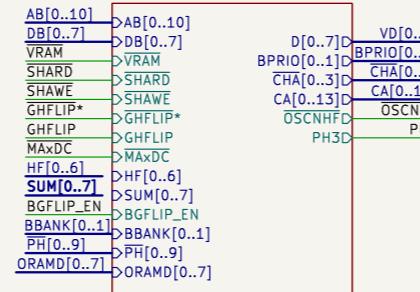
### Object RAM



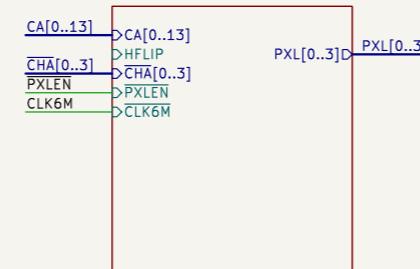
### Timing



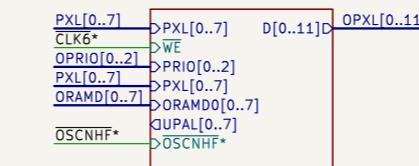
### Video RAM



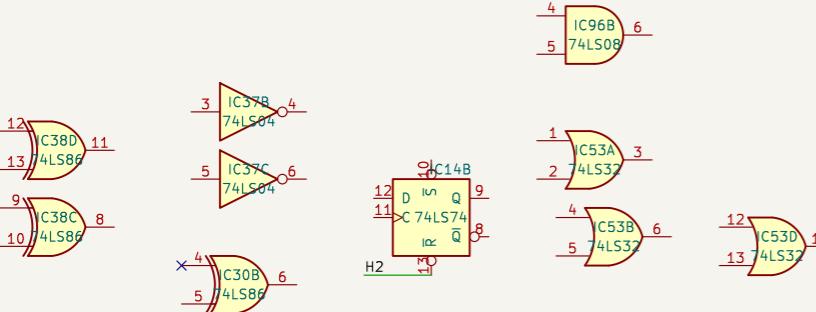
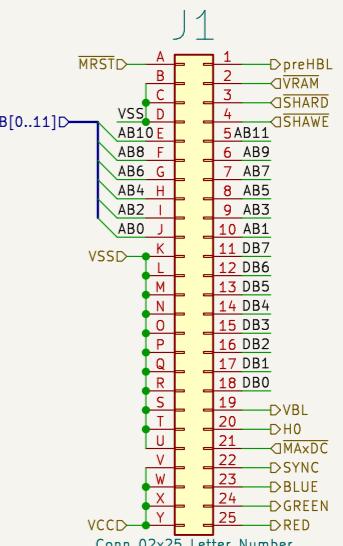
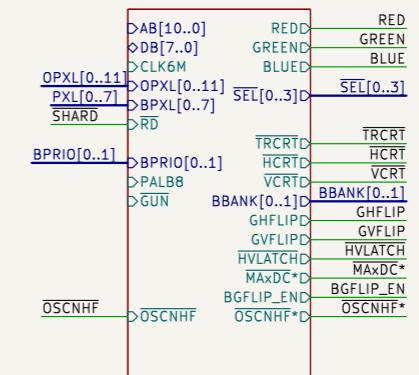
### Tile ROM



### Line buffer



### Palette



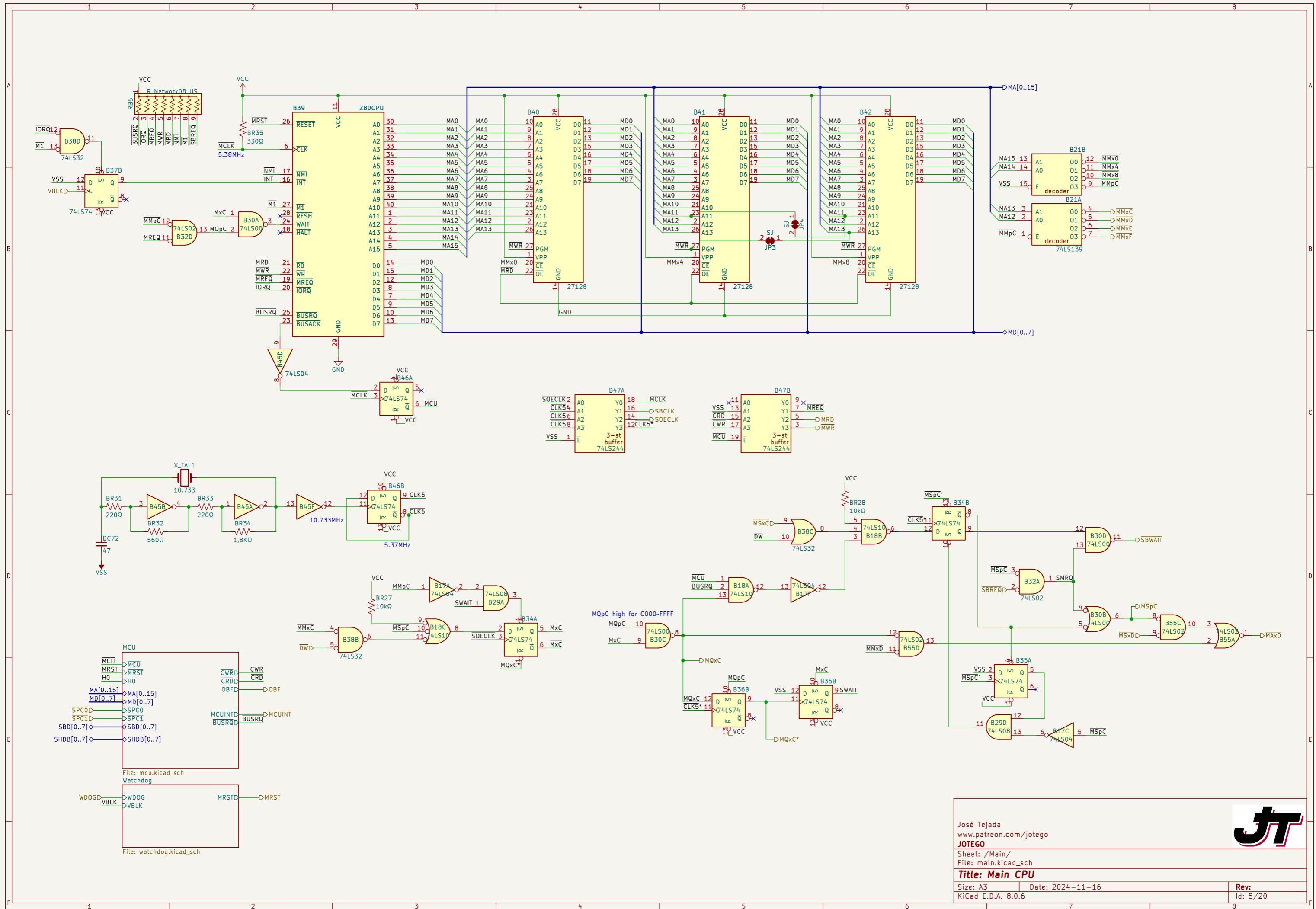
José Tejada  
www.patreon.com/jotego  
**JOTEGO**

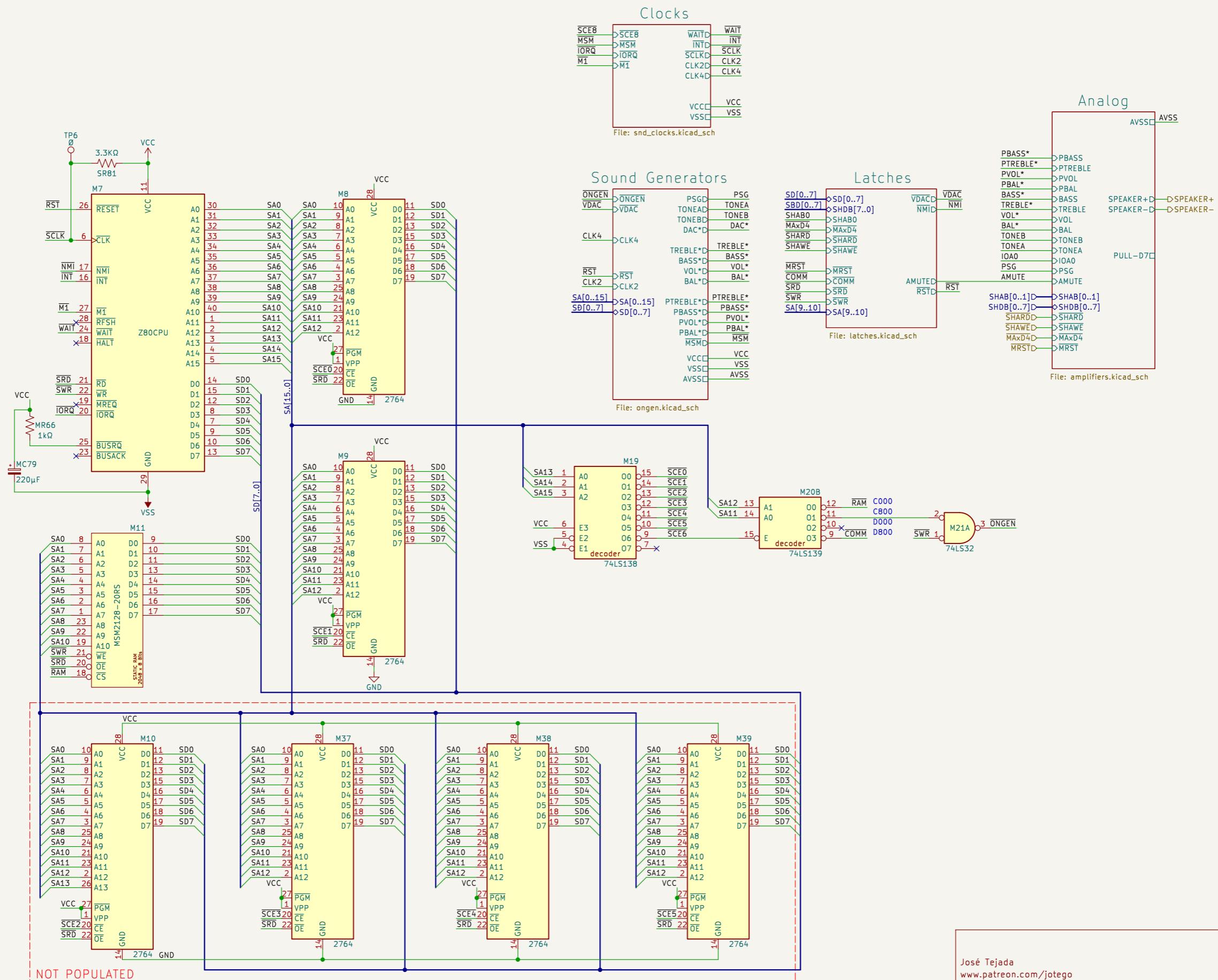
Sheet: /Video/  
File: video.kicad\_sch

**Title: The Fairyland Story**

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

Rev:  
Id: 4/20





José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

Sheet: /Sound/

File: sound.kicad\_sch

Title: Sound Board

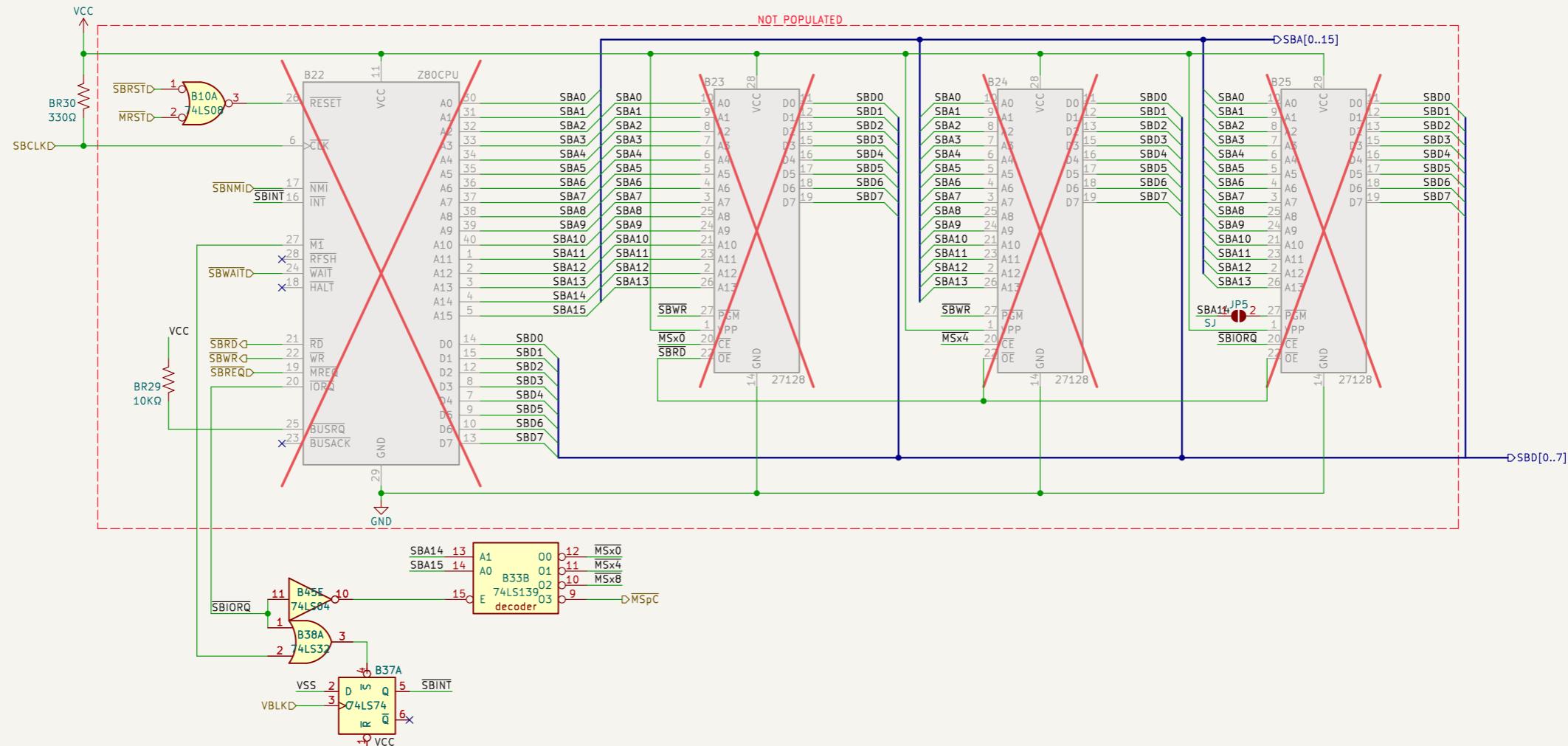
Size: A3 Date: 2024-11-16  
KiCad EDA 8.0.6

RICOH E.D.A. 6.0.0

[View Details](#) | [Edit](#) | [Delete](#)

8





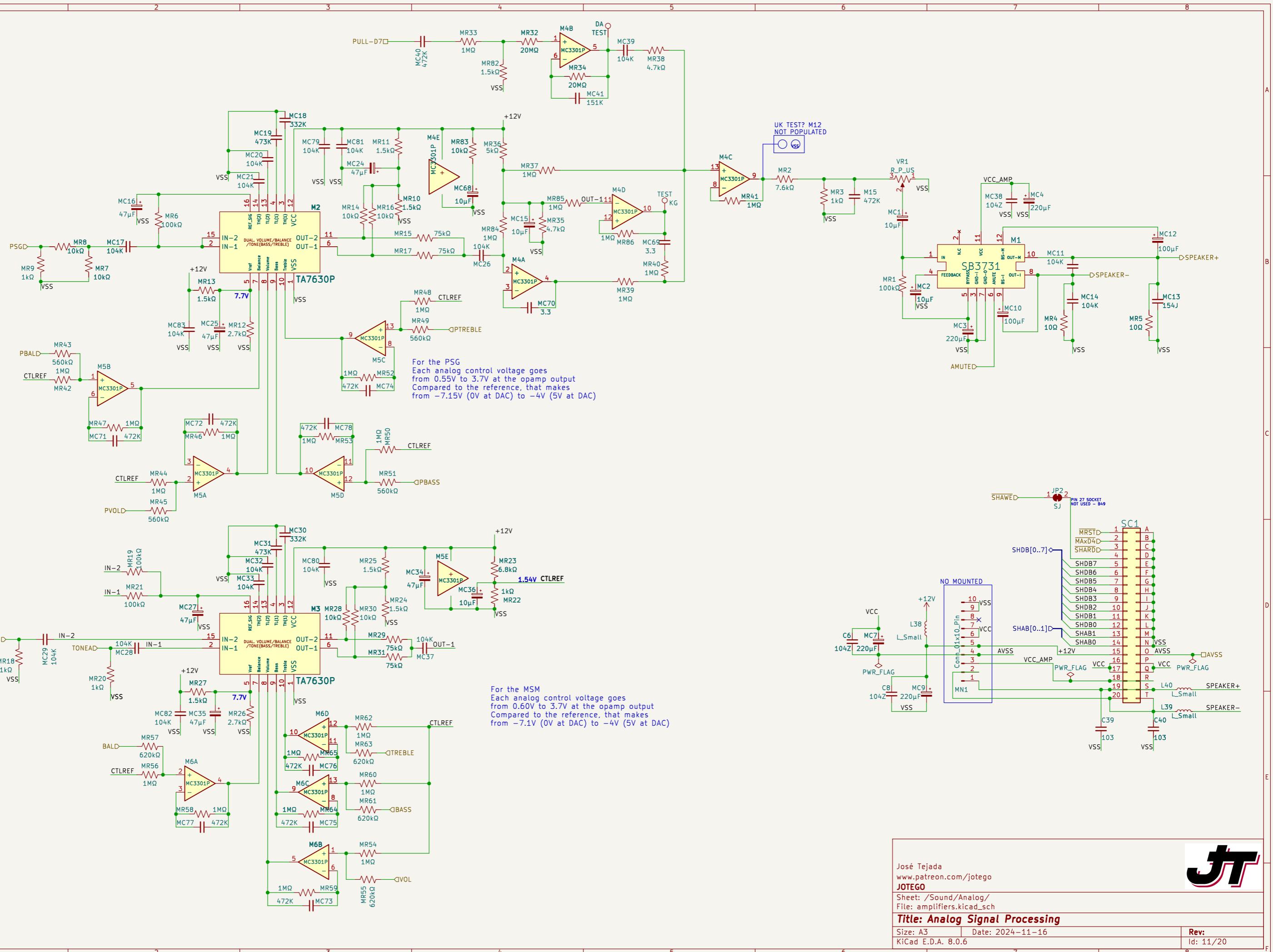
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

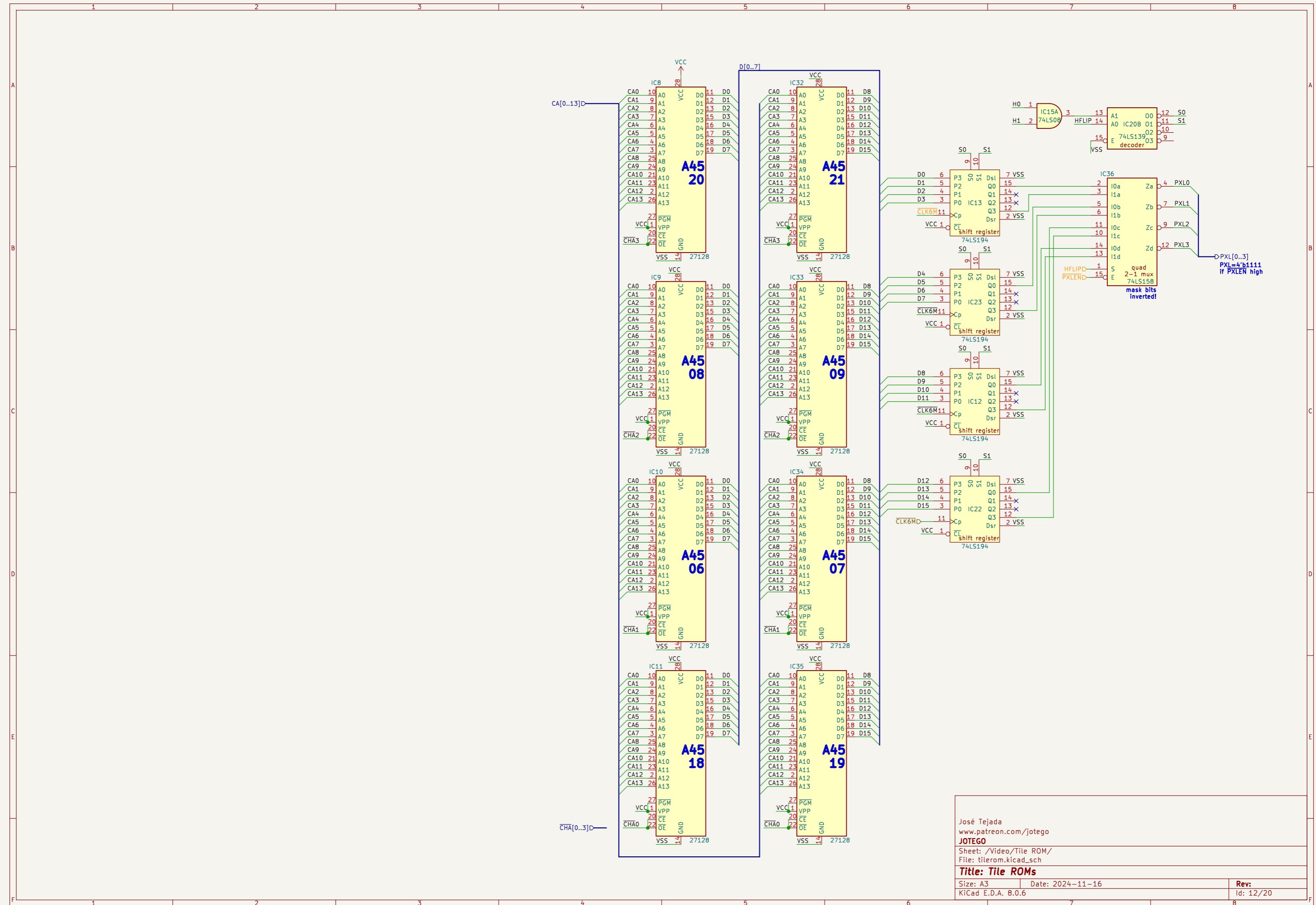
Sheet: /Sub/  
File: sub\_main.kicad\_sch

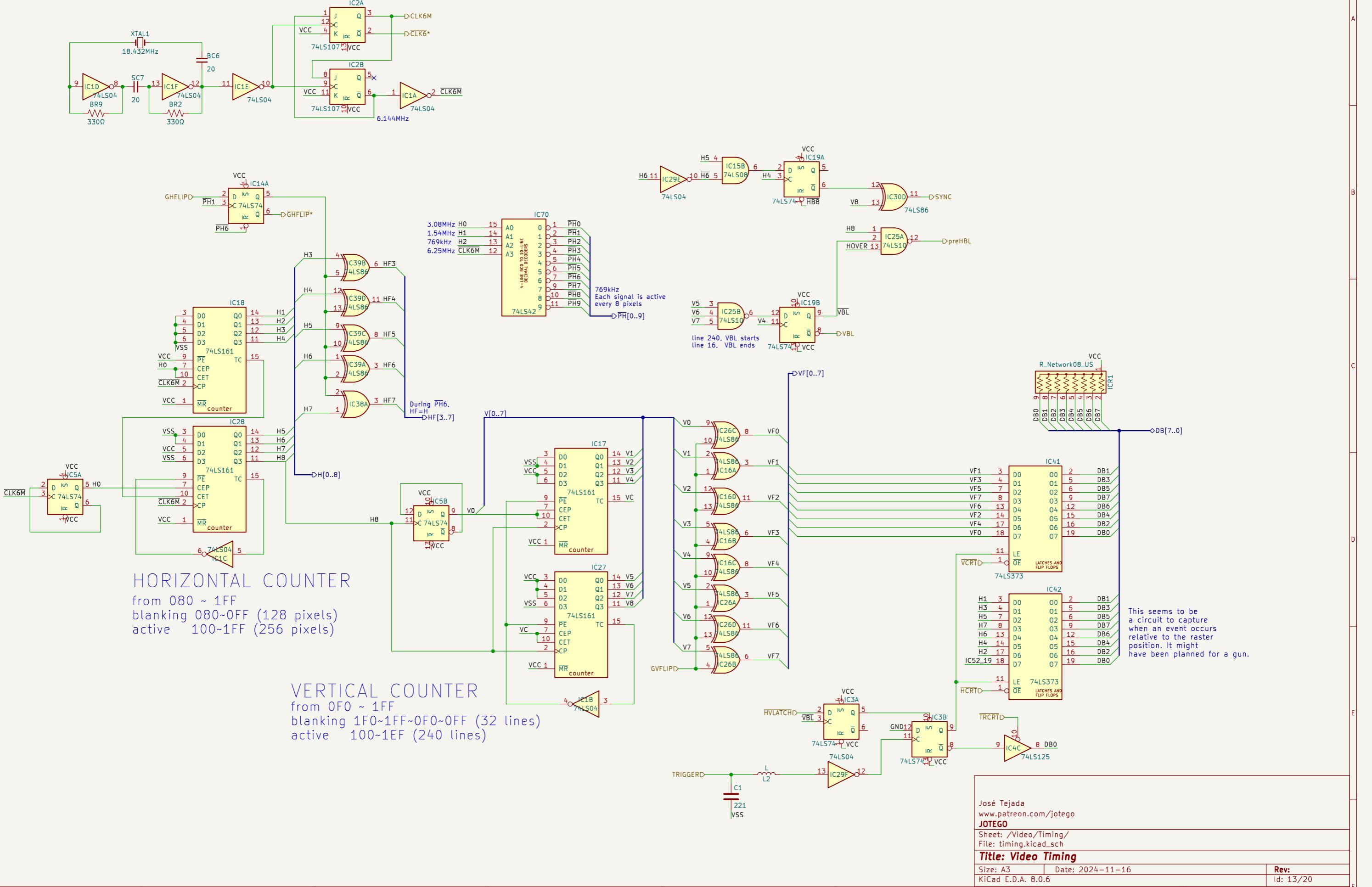
**Title: Subsidiary CPU**

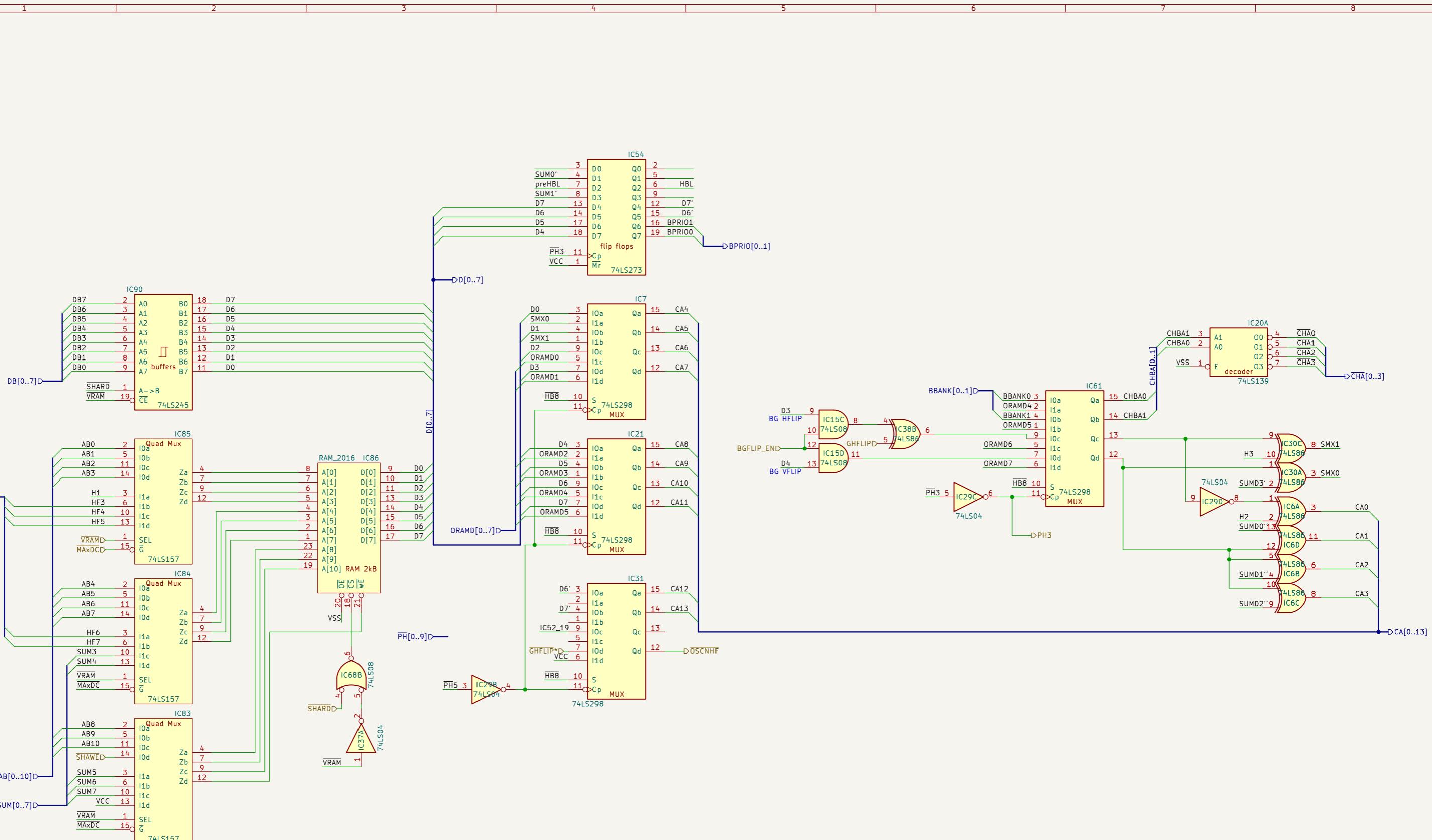
Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.6

Rev: 10/20









José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)

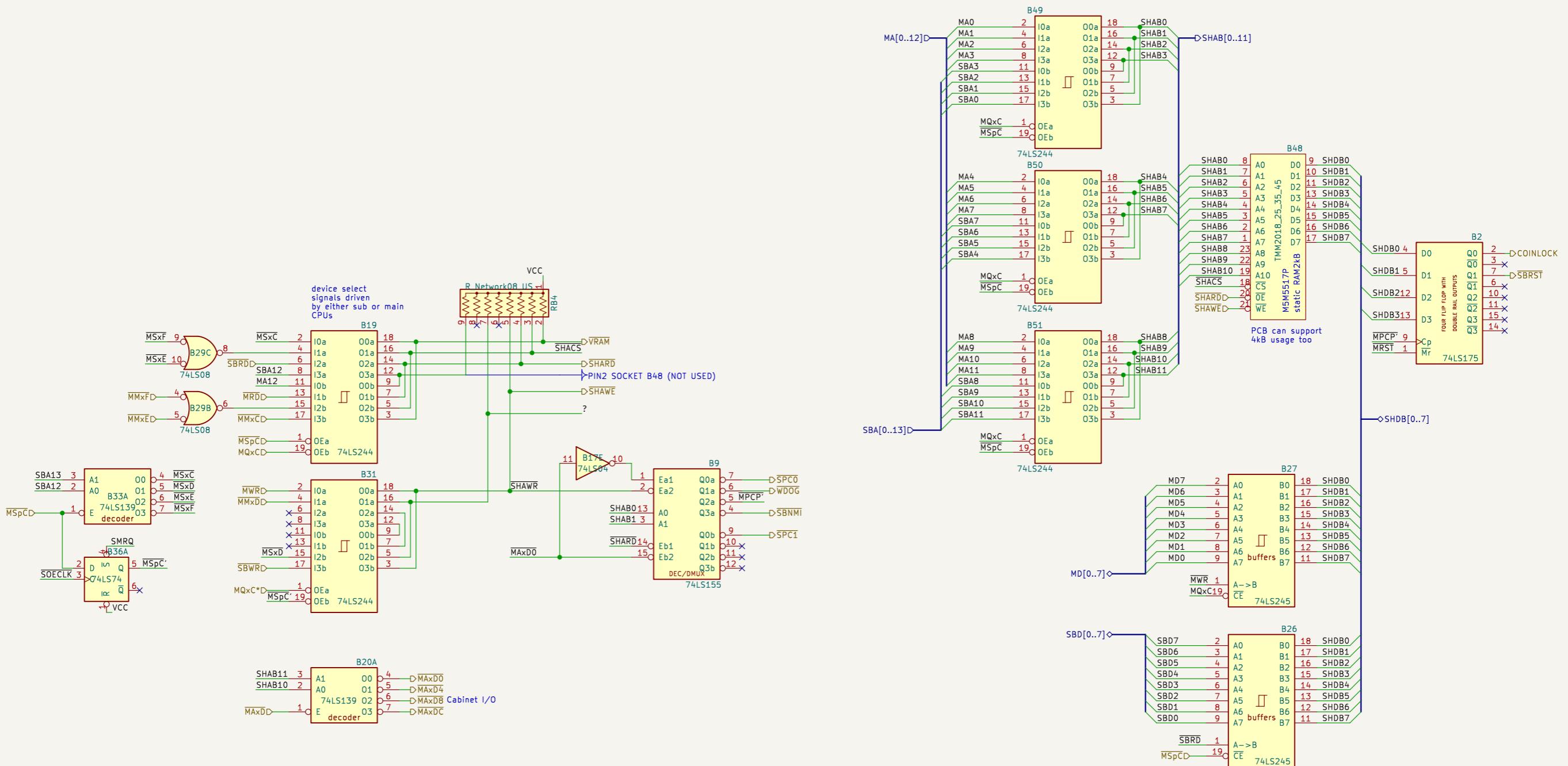
**JOTEGO**

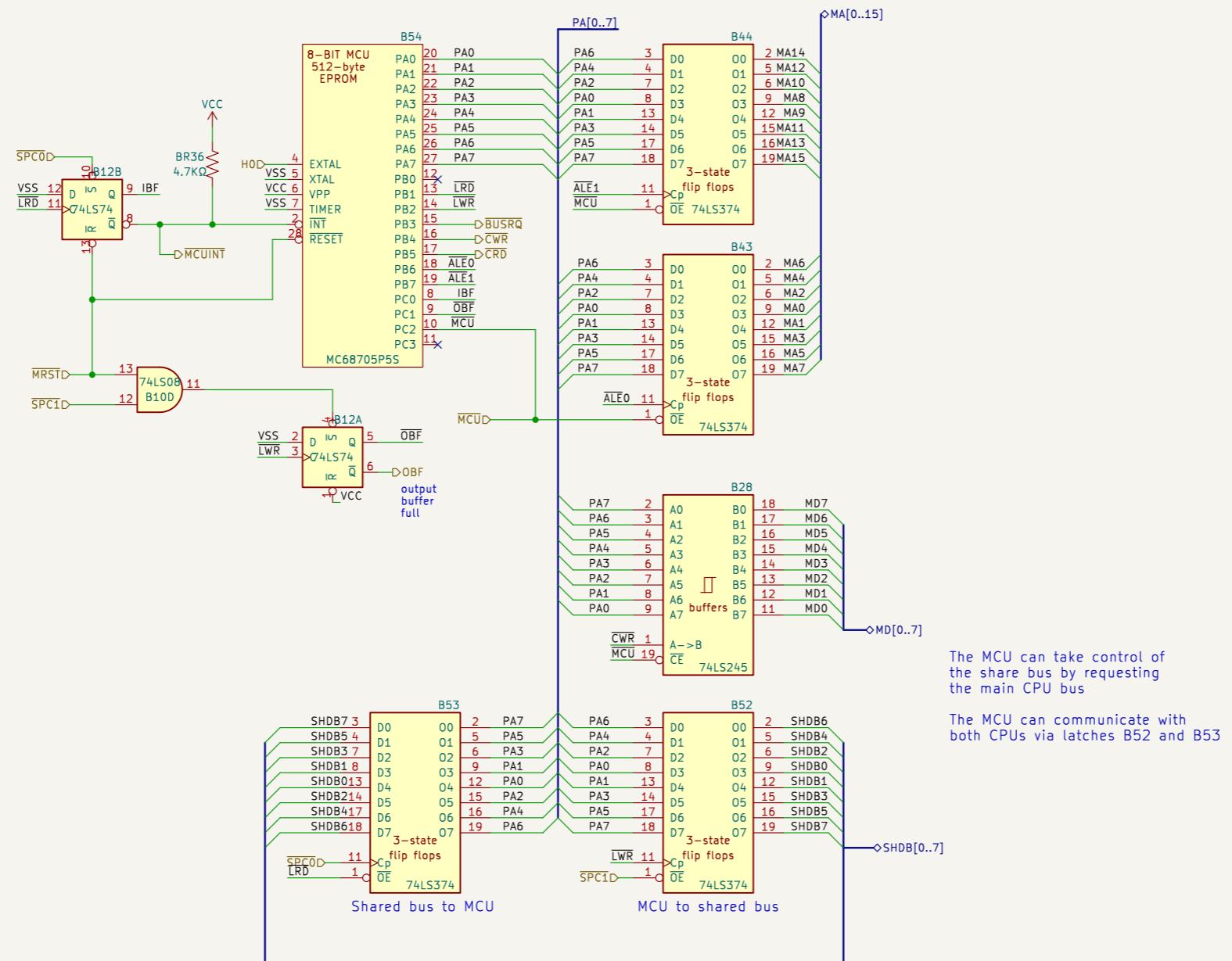
Sheet: /Video/Video RAM/  
File: vram.kicad\_sch

**Title: Background Video RAM**

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

Rev: 13/20





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

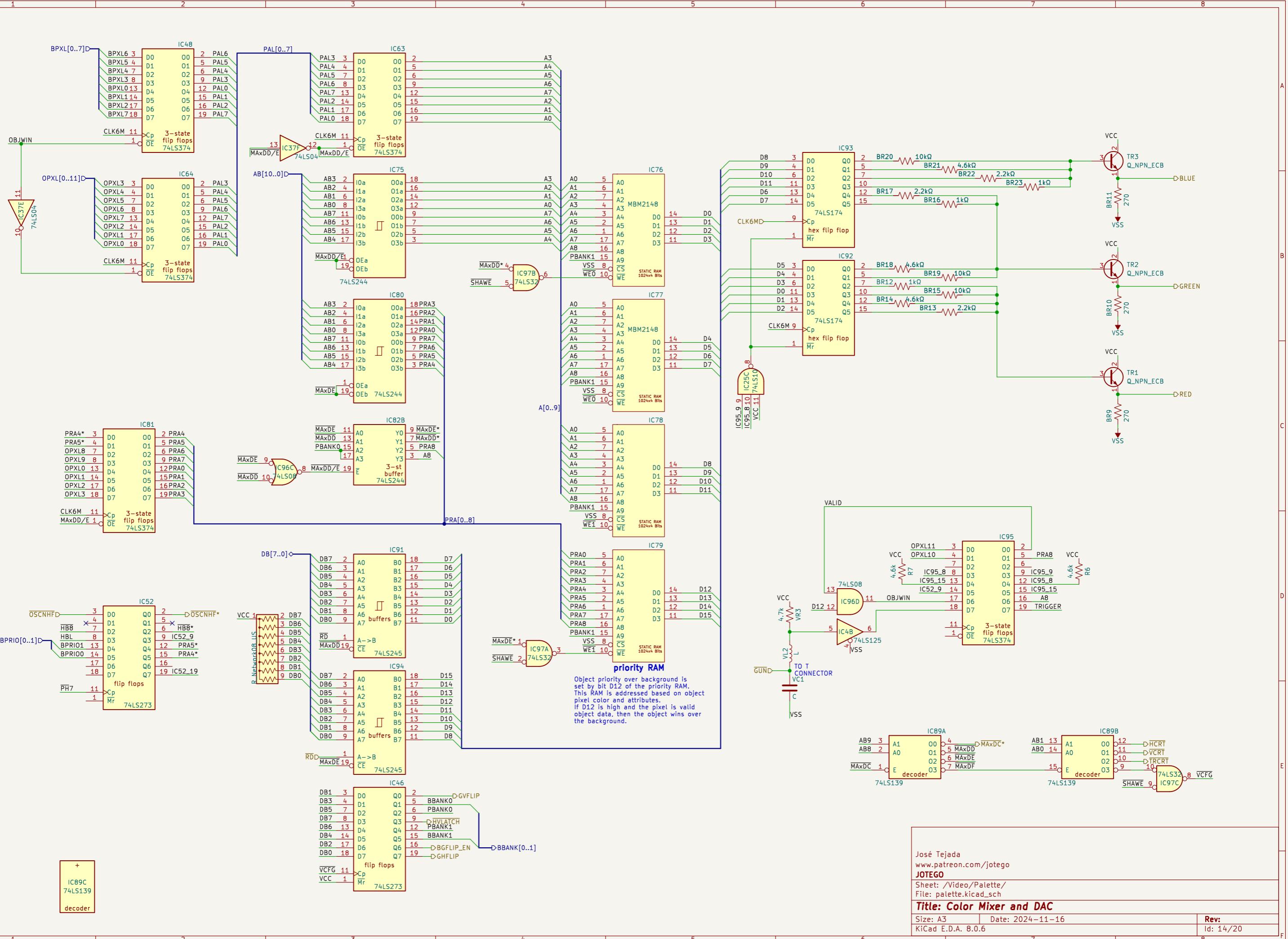
José Tejada  
[www.patreon.com/jotego](https://www.patreon.com/jotego)  
**JOTEGO**

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

## Title: MCU

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

Rev: Id: 14/20



A

B

C

D

E

F

A

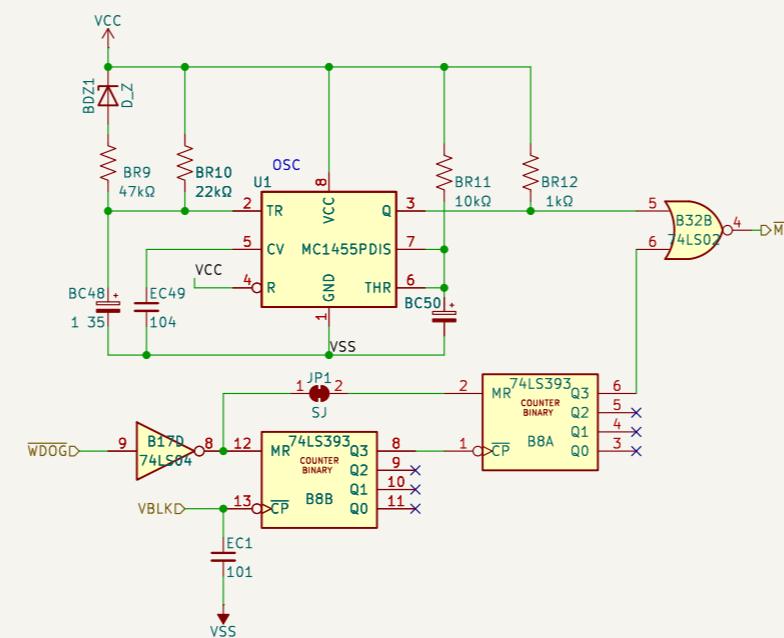
B

C

D

E

F



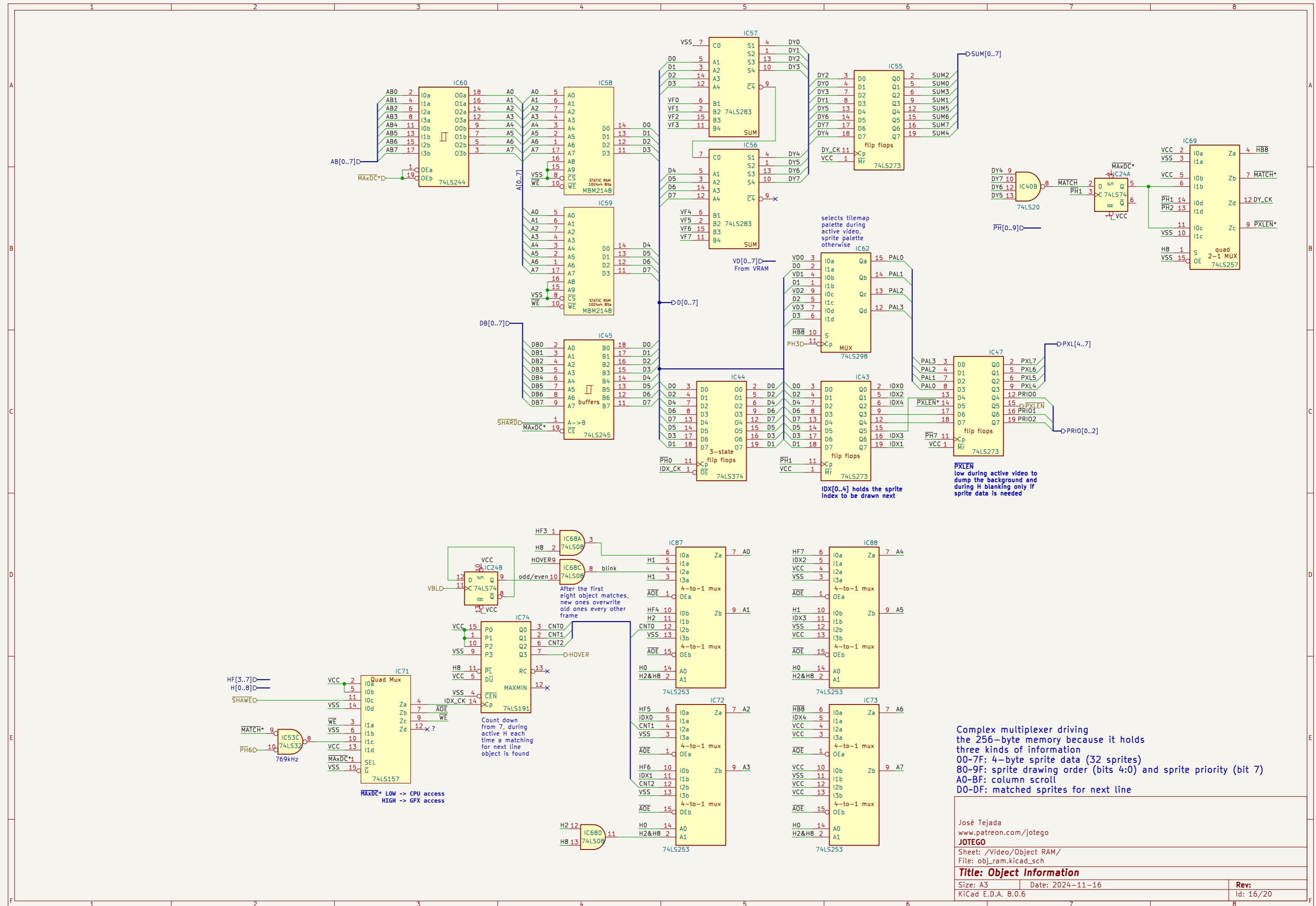
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

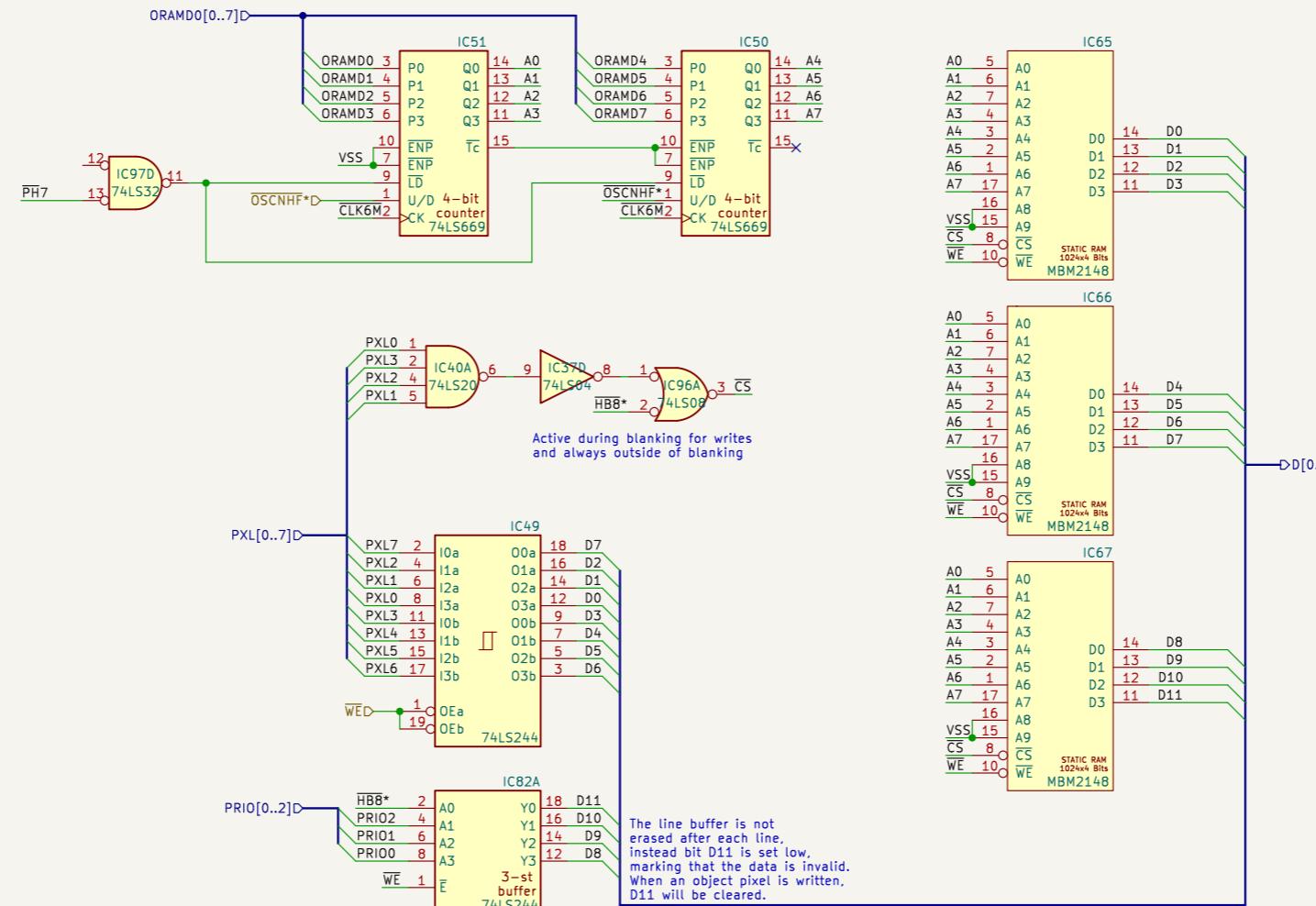
Sheet: /Main/Watchdog/  
File: watchdog.kicad\_sch

**Title:**

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

Rev:	15/20
------	-------



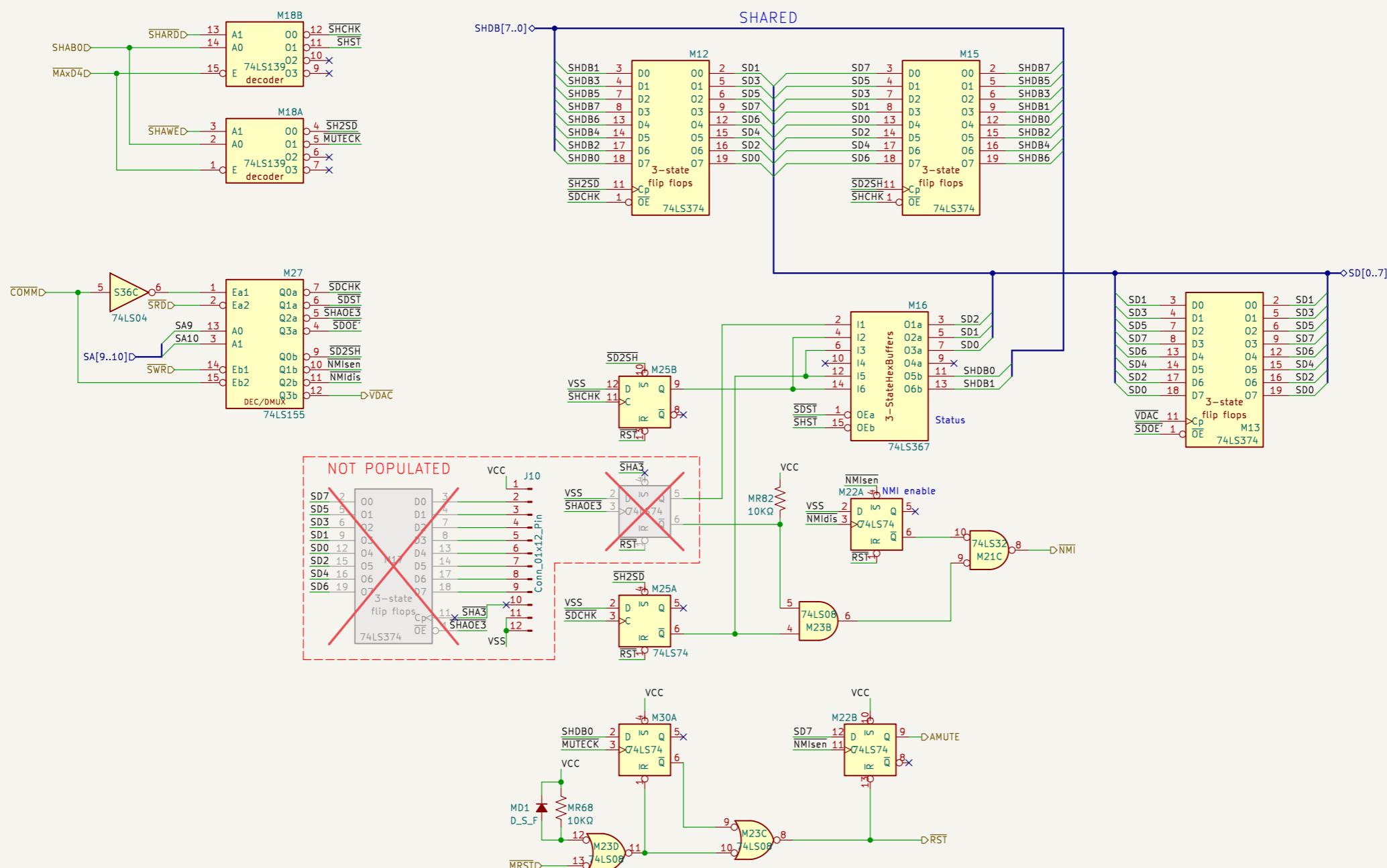


José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

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



José Tejada  
[www.patreon.com/jotego](https://www.patreon.com/jotego)  
**JOTEGO**

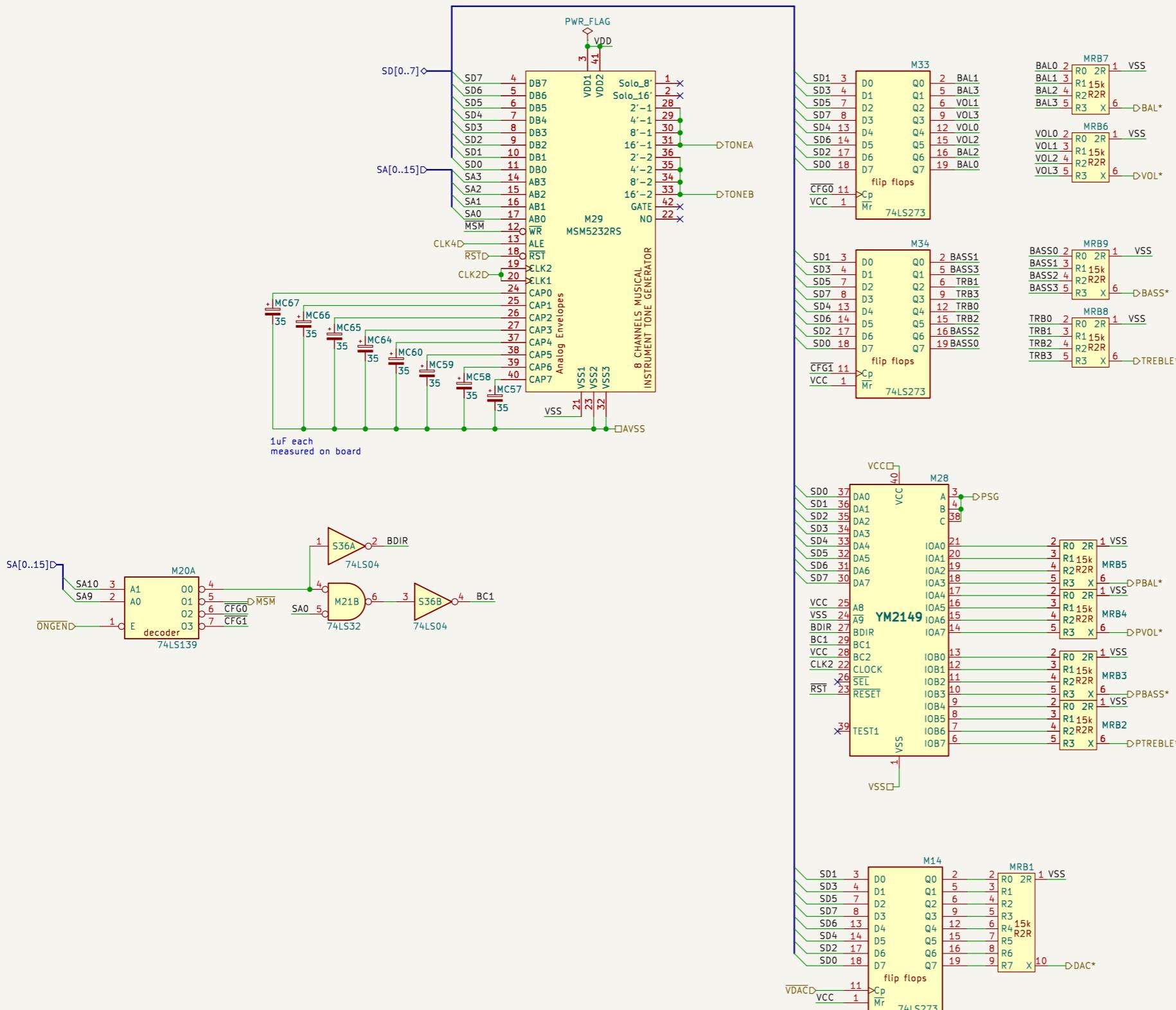
Sheet: /Sound/Latches/  
File: latches.kicad\_sch

## Title: Communication Latches

Size: A3 Date: 2024-11-16  
KiCad EDA 8.0.6

KiCad E.D.A. 8.0.6

Digitized by srujanika@gmail.com



José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**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	Rev: 19/20

