

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

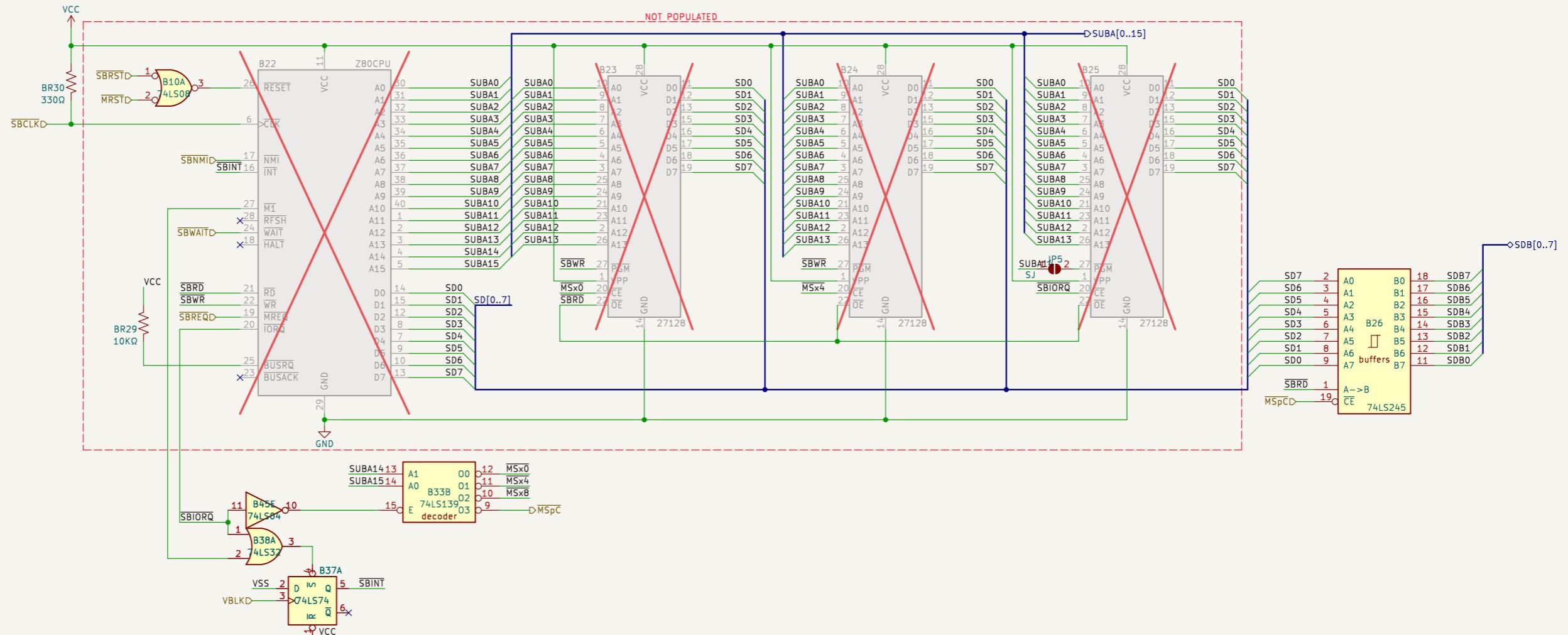
Sheet: /Sound/  
File: sound.kicad\_sch

**Title: Sound Board**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.5

Rev: 7/20





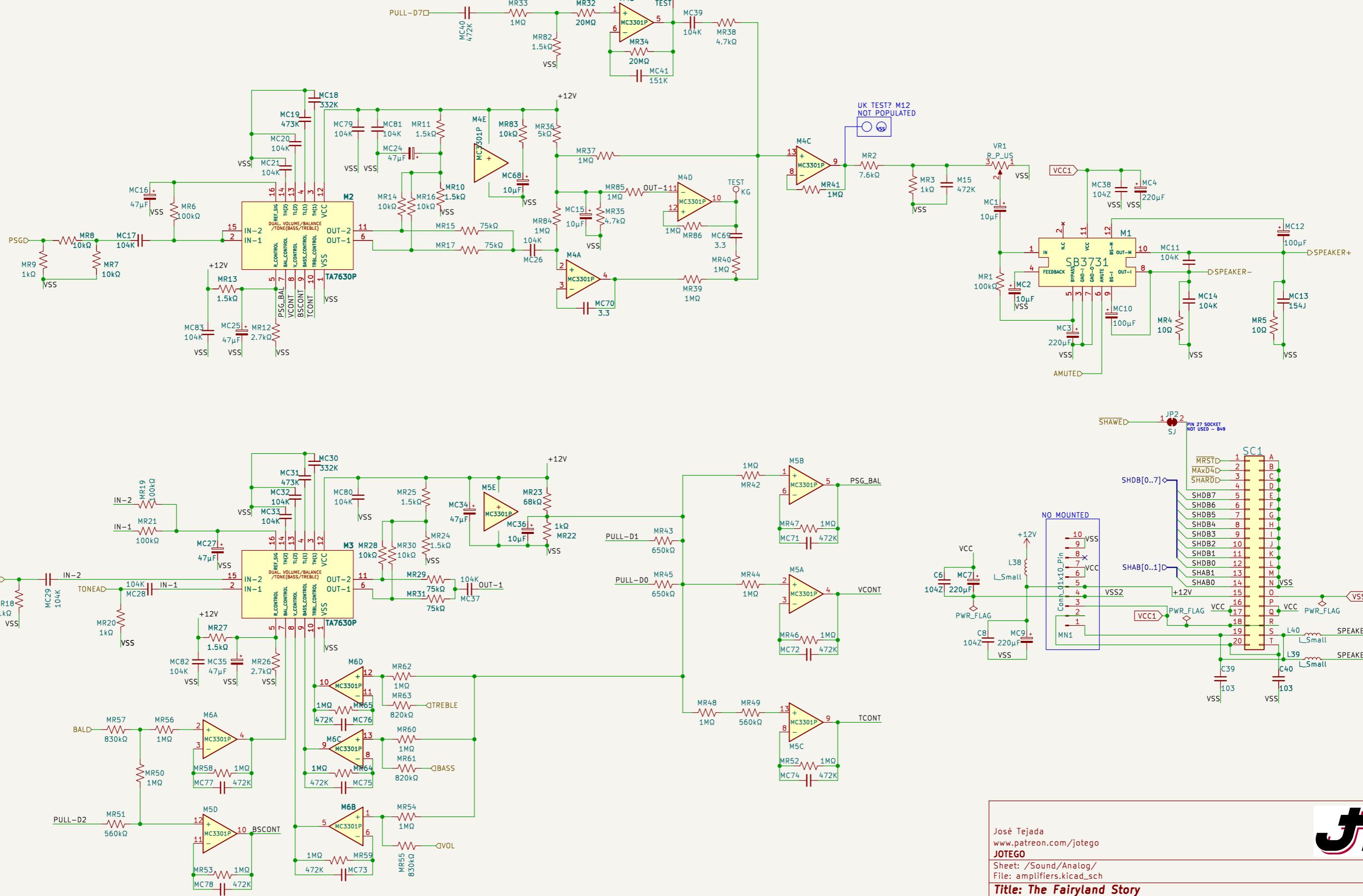
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

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

**Title: The Fairyland Story**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.5

Rev: Id: 10/20

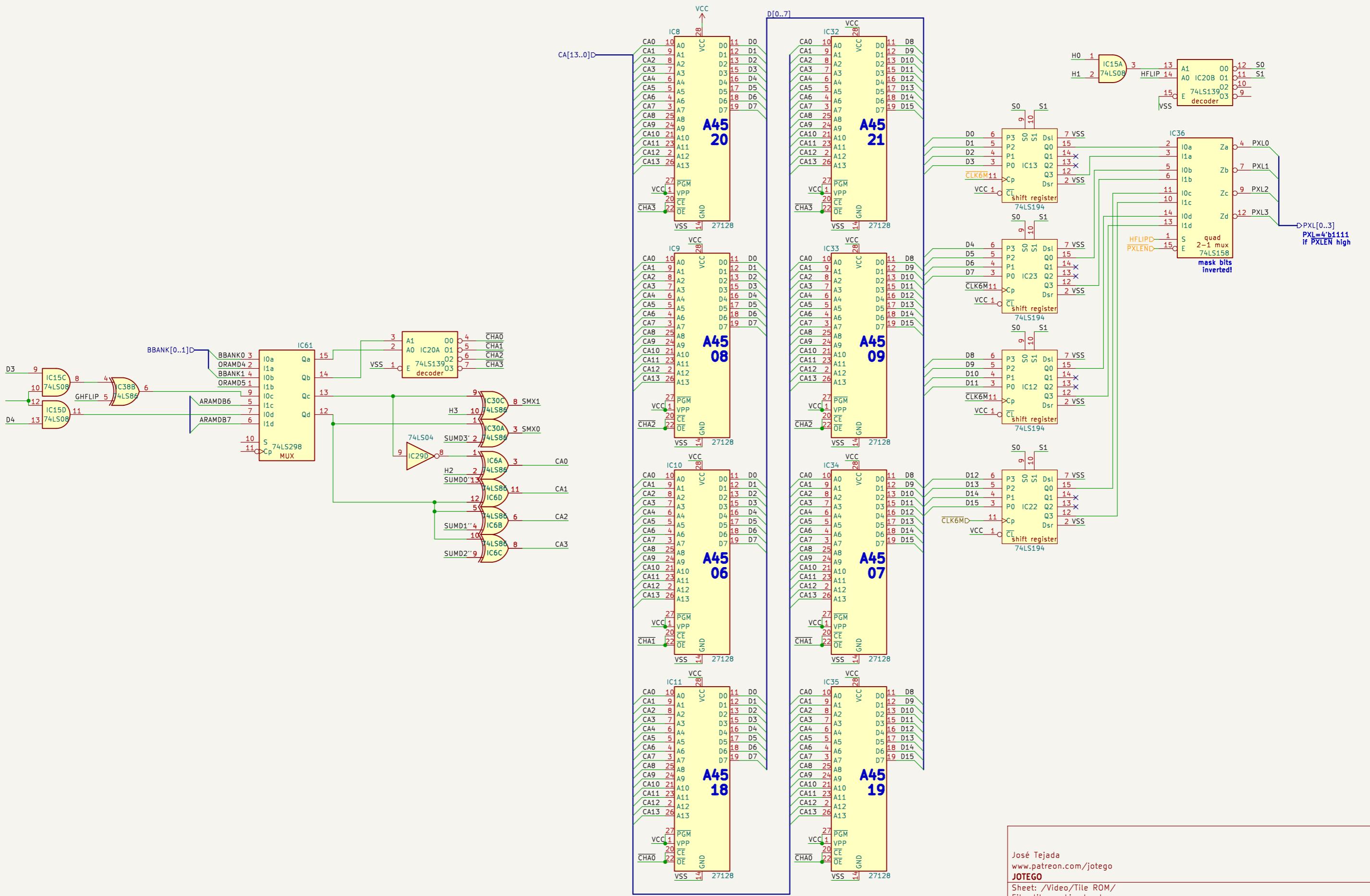


José Tejada  
[www.patreon.com/jotego](https://www.patreon.com/jotego)  
**OTEGO**

Sheet: /Sound/Analog/  
File: amplifiers.kicad\_sch

## Title: The Fairyland Story

The JT logo consists of the letters 'J' and 'T' in a stylized, bold font, with a red outline.



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

JOTEGO

File: tile

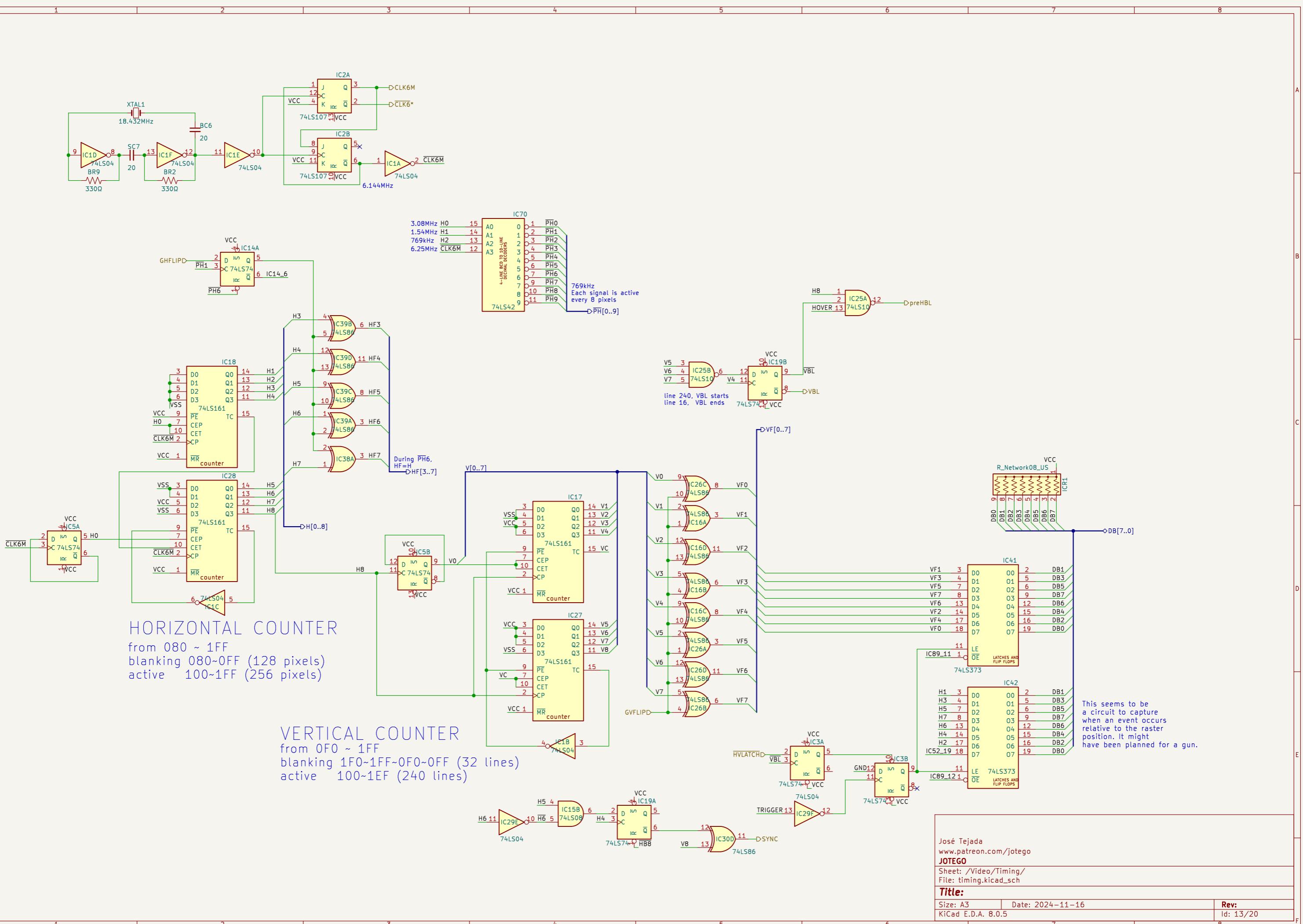
**Title:**

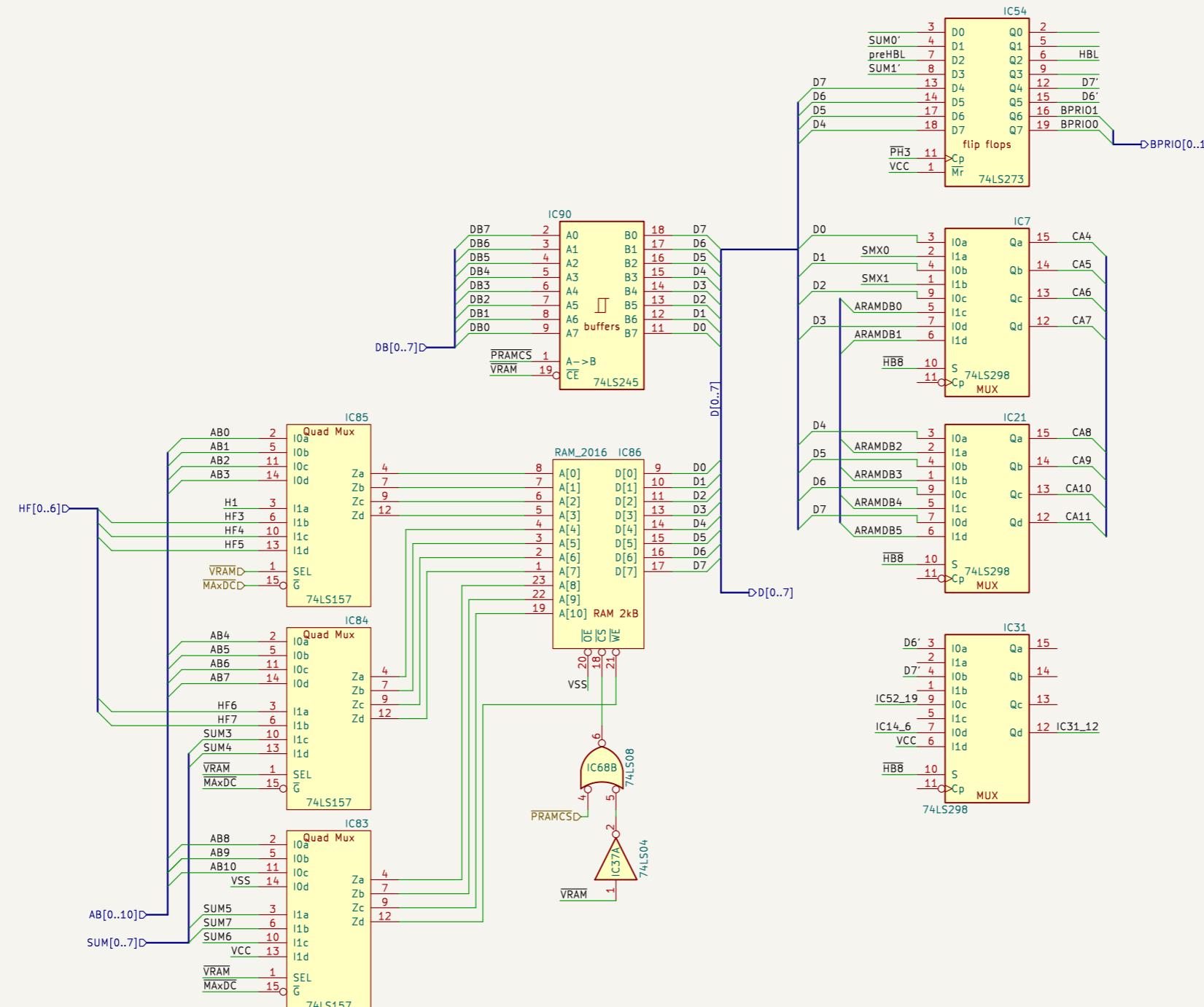
Size: A3  
KiCad E

KIC88 E.D.A. 8.0.5

Digitized by srujanika@gmail.com

Prev.





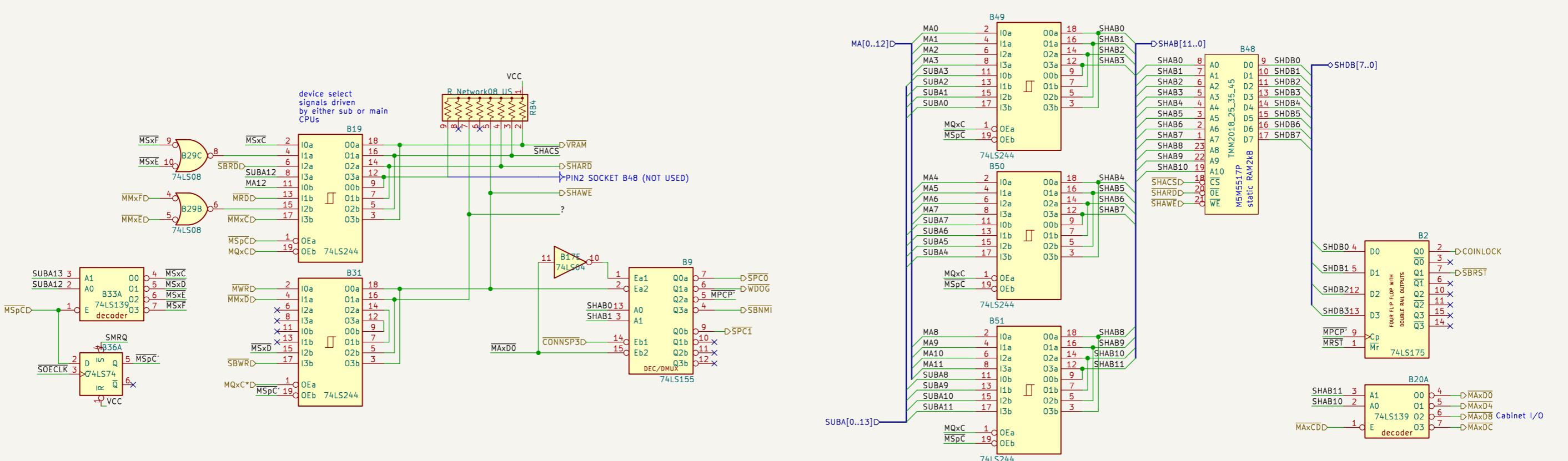
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

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

**Title: Background Video RAM**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.5

Rev:  
Id: 13/20



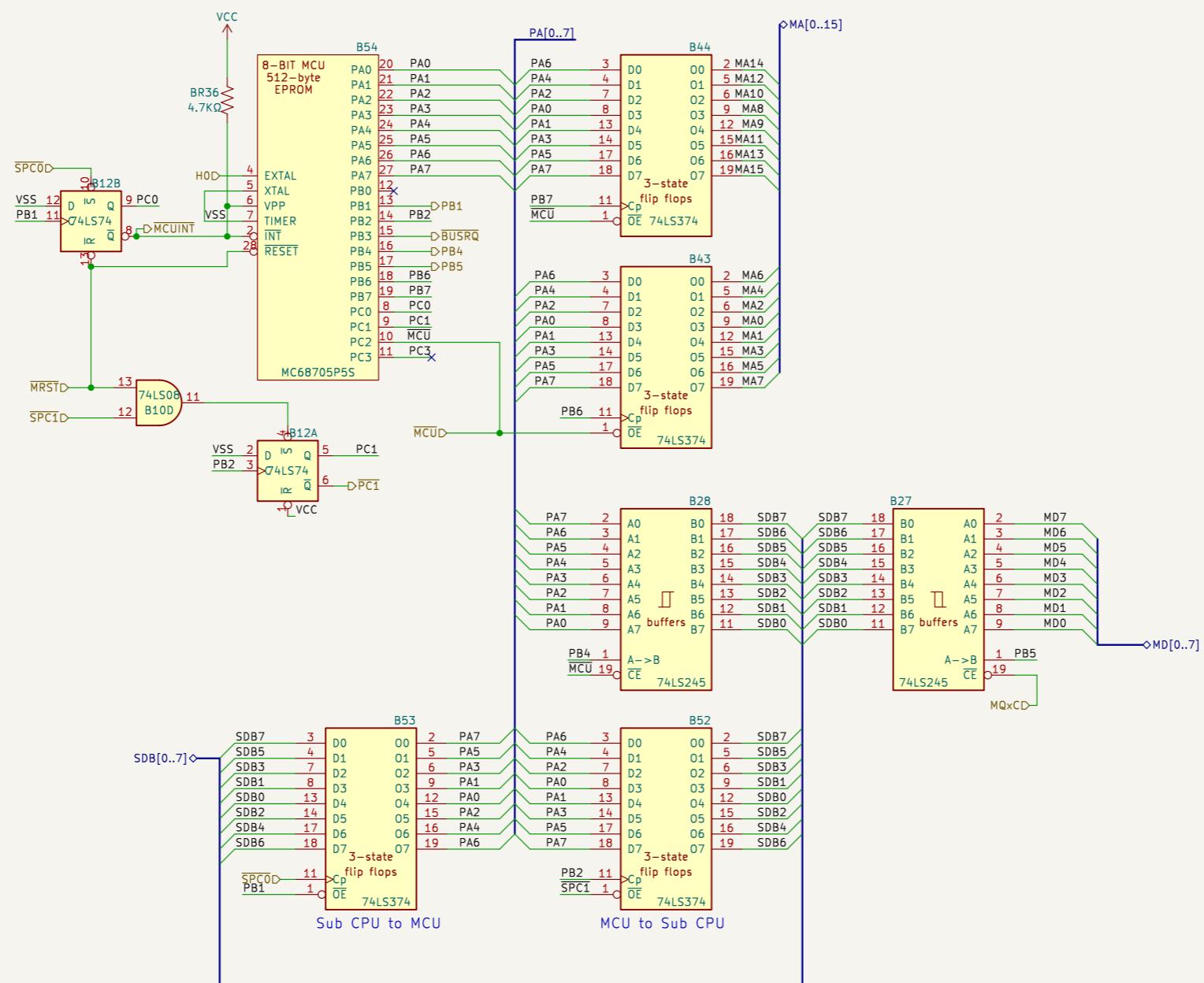
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

Sheet: /Shared/  
File: shared.kicad\_sch

#### Title:

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.5

Rev: Id: 13/20



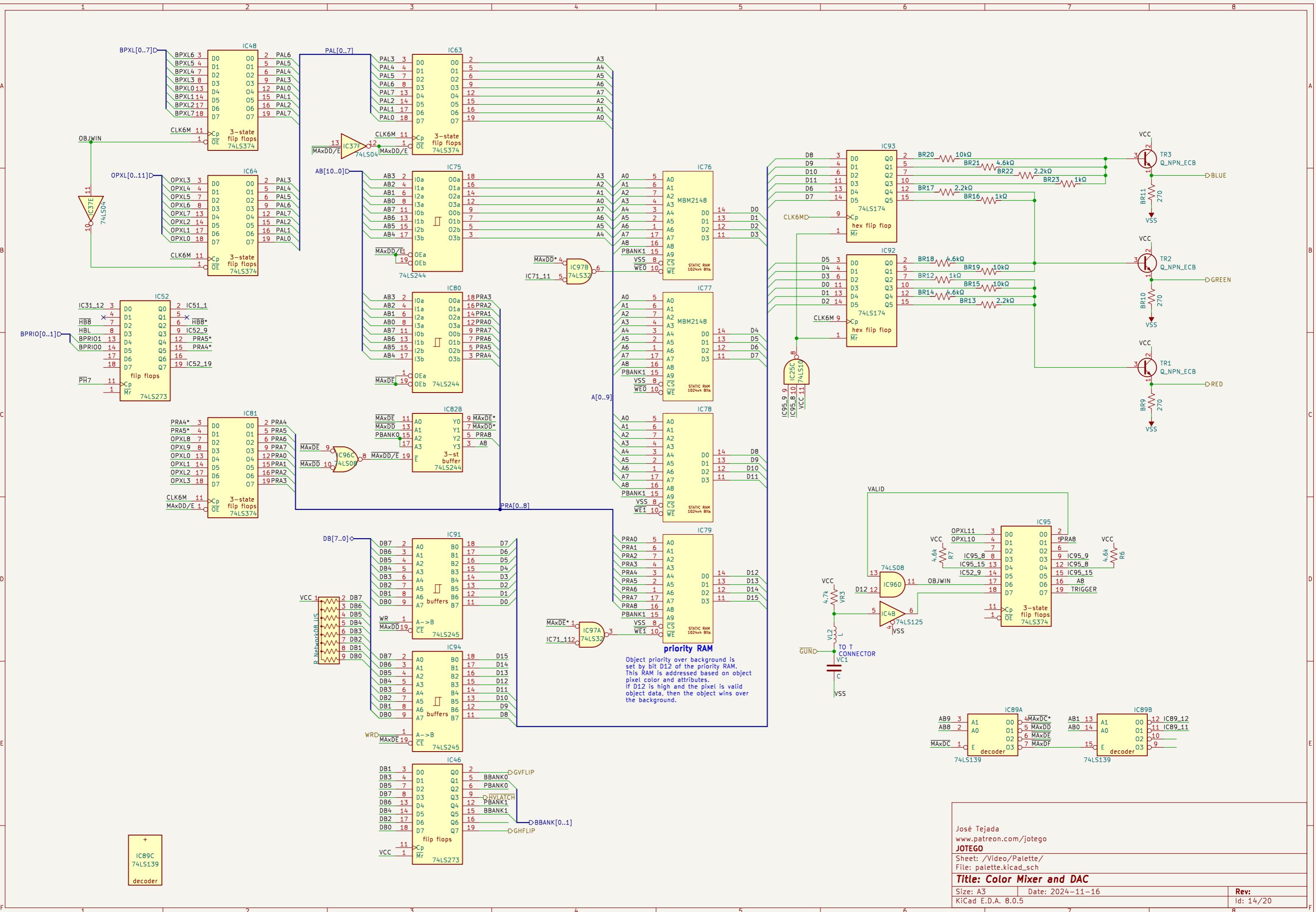
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

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

**Title: MCU**

Size: A3 | Date: 2024-11-16  
KiCad E.D.A. 8.0.5

Rev: 14/20



A

B

C

D

E

F

A

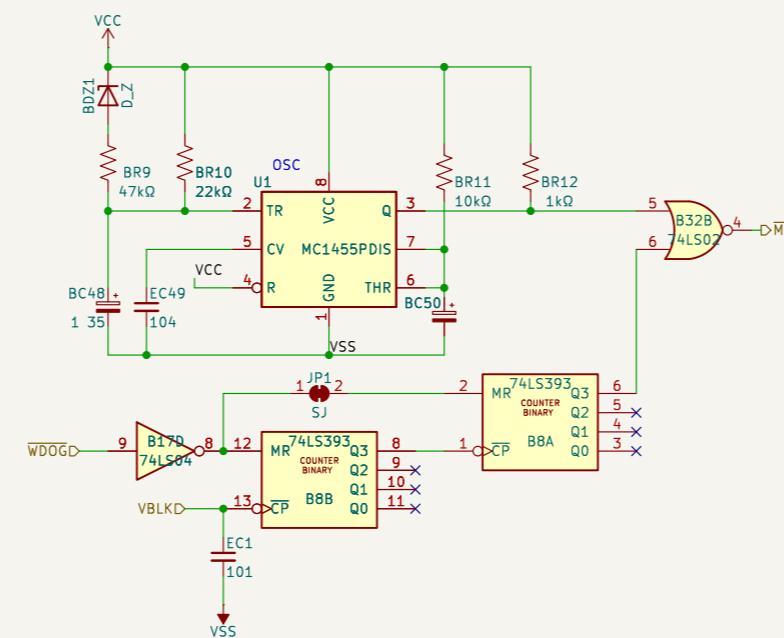
B

C

D

E

F



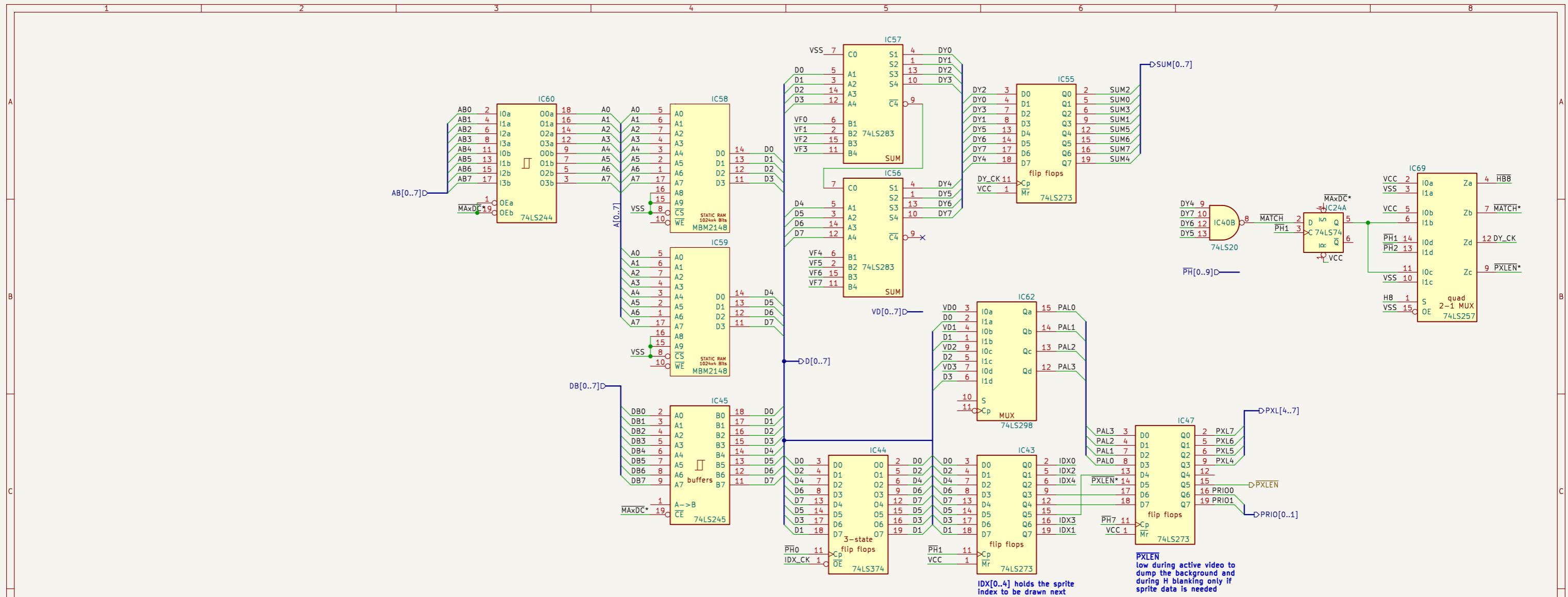
José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

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

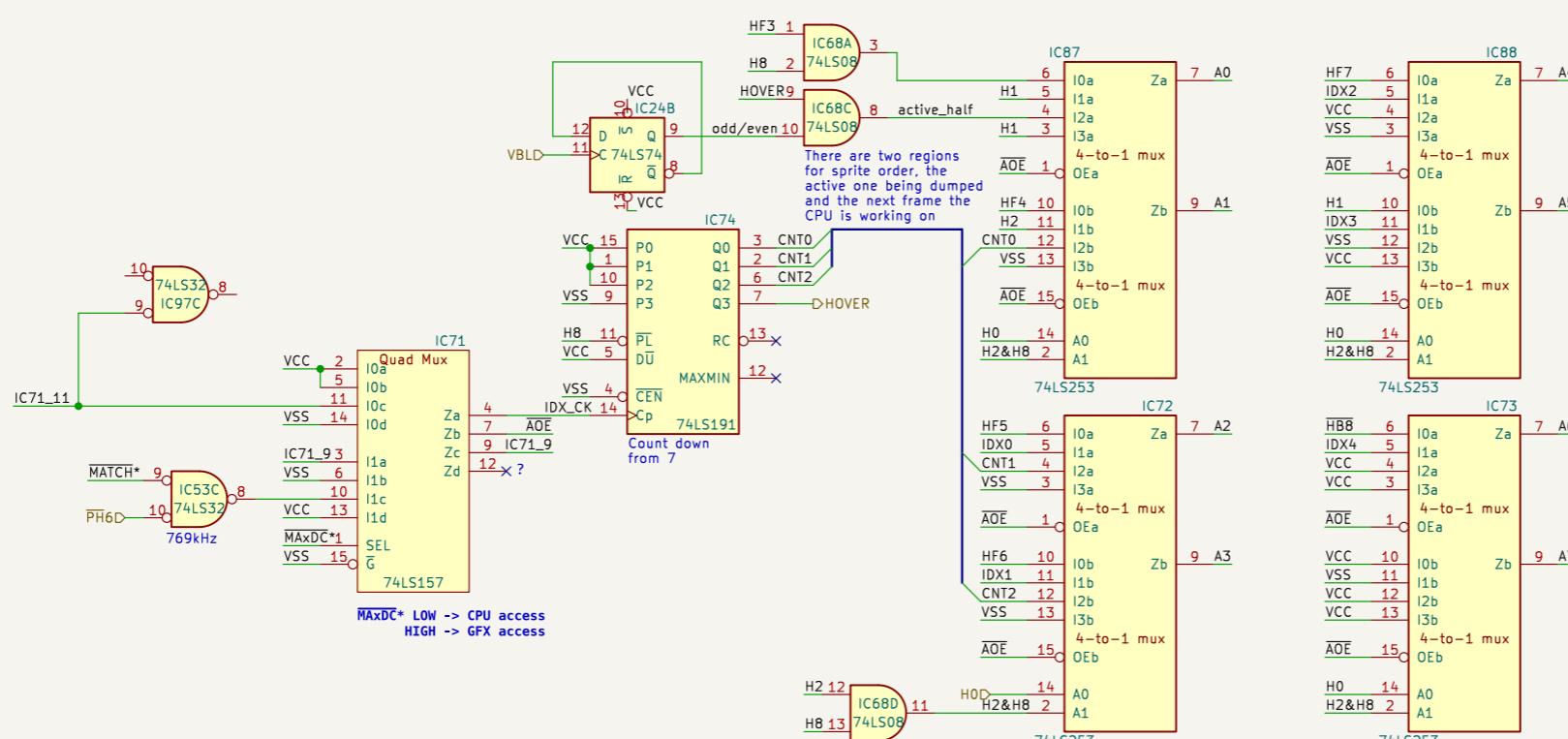
**Title:**

Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.5	

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



**PXLEN**  
low during active video to  
dump the background and  
during H blanking only if  
sprite data is needed.



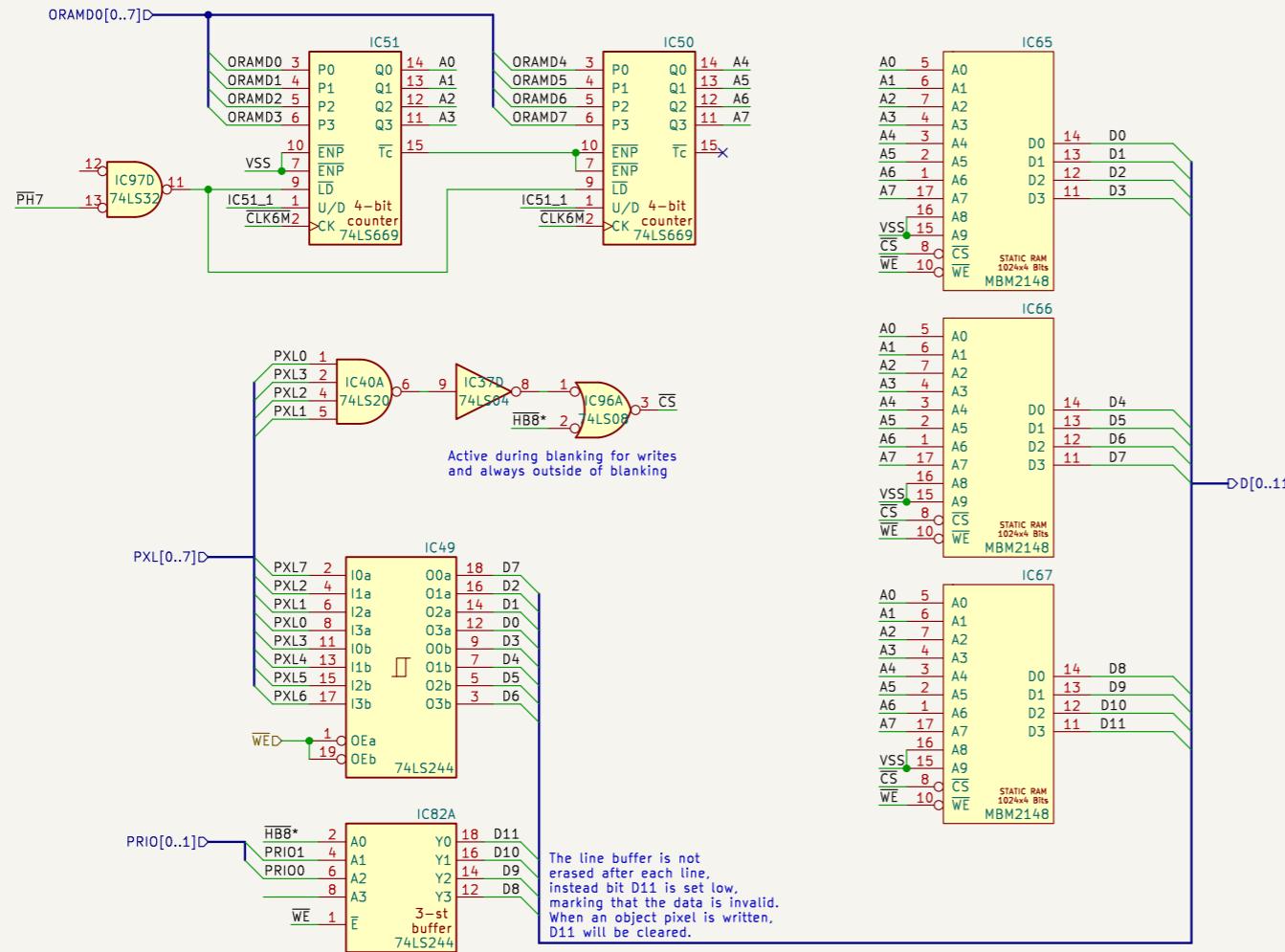
Complex multiplexer driving  
the 256-byte memory because it holds  
three kinds of information  
00-7F: 4-byte sprite data (32 sprites)  
80-9F: sprite drawing order (bits 4:0) and sprite priority (bit 7)  
A0-BF: column scroll

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

JOTEGO  
Sheet: /Video/Object RAM/  
File: obj\_ram.kicad\_sch

**Title:**

Size: A3 Date: 2024-11-16 Rev:  
KiCad E.D.A. 8.0.5 Id: 16/20



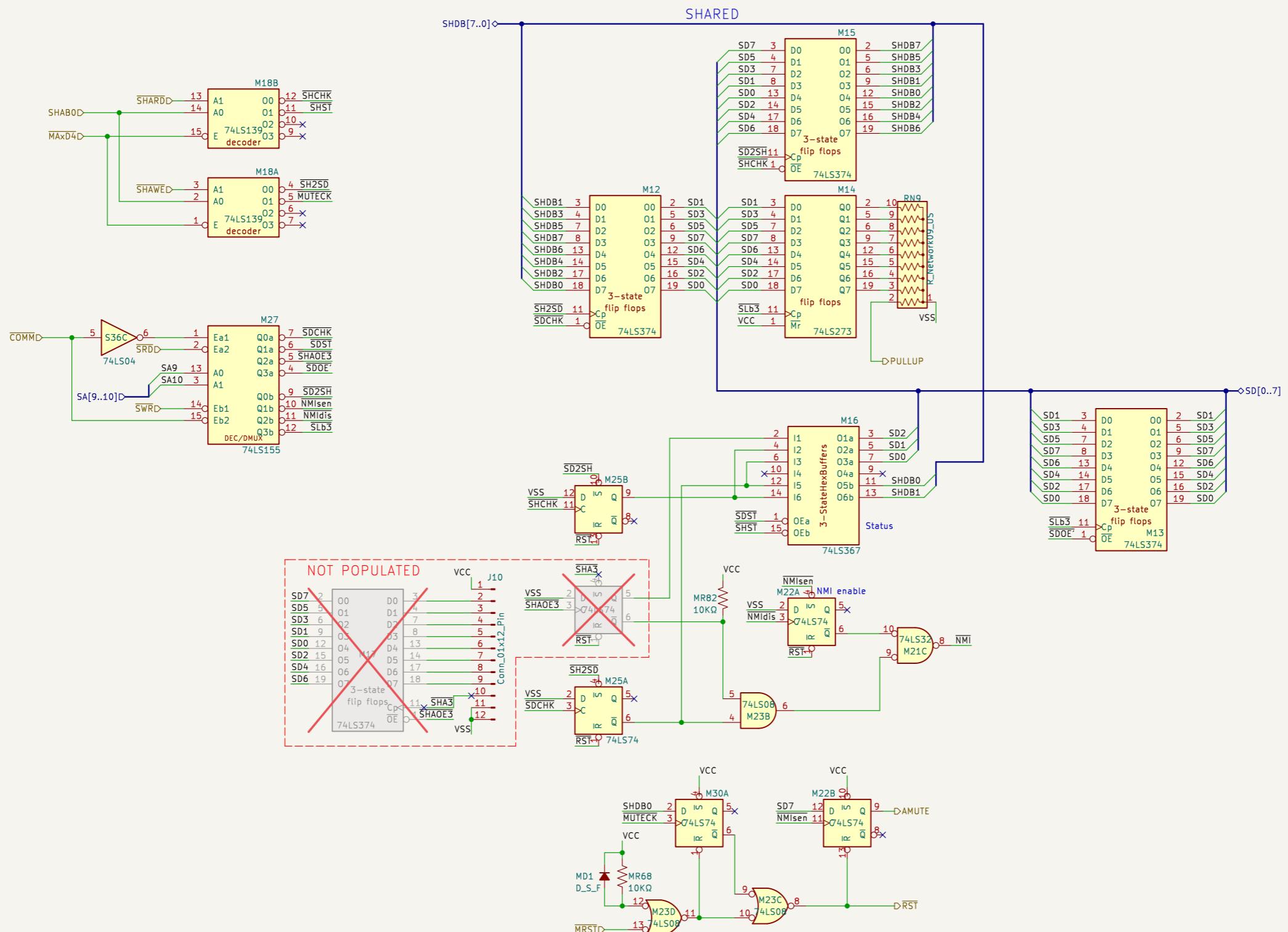
José Tejada  
[www.patreon.com/jotego](https://www.patreon.com/jotego)  
**JOTEGO**

Sheet: /Video/Line buffer/  
File: linebuf.kicad\_sch

**Title:**

Size: A3 Date: 2024  
KiCad E.D.A. 8.0.5

1



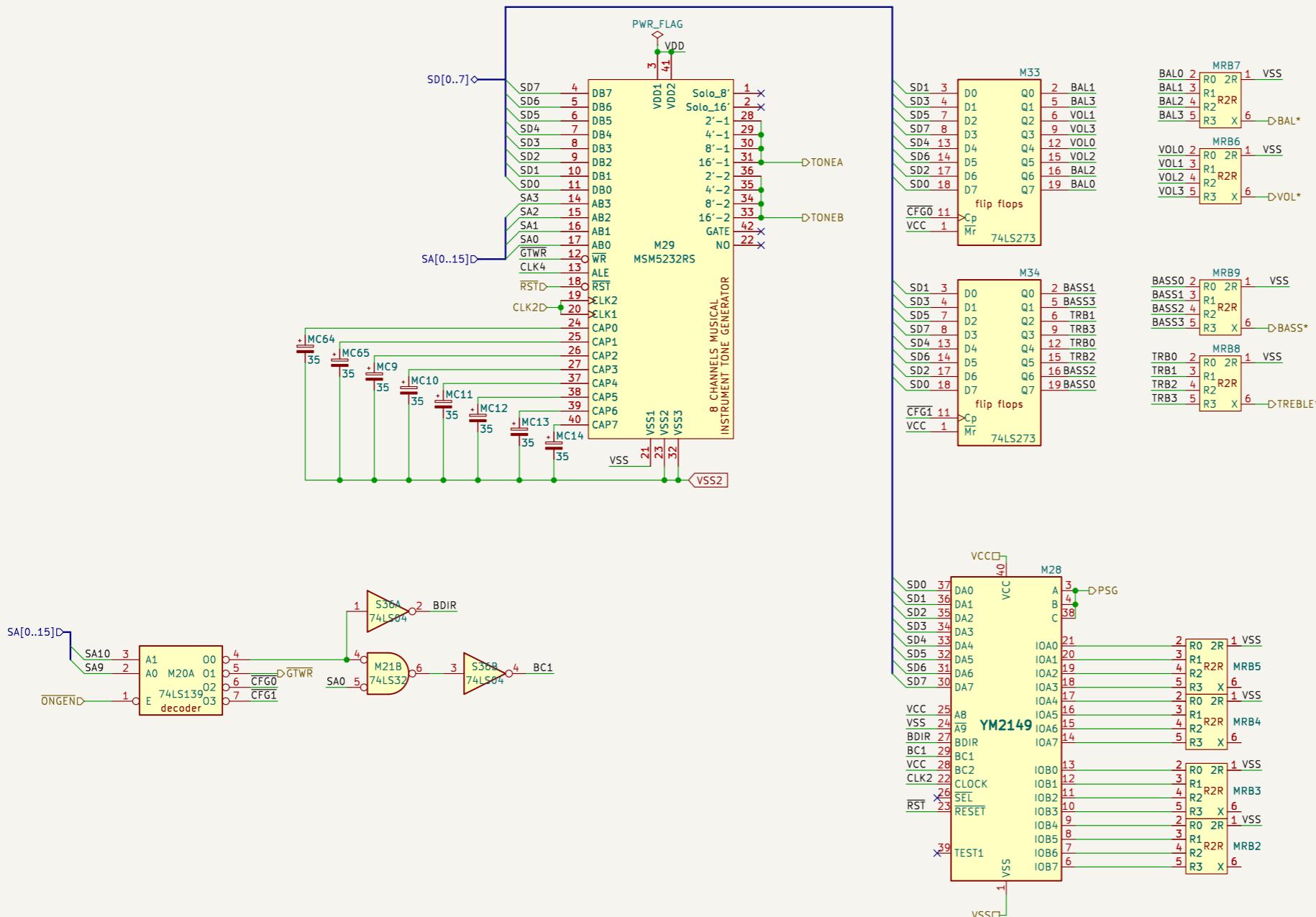
José Tejada  
[www.patreon.com/jotego](https://www.patreon.com/jotego)  
**JOTEGO**

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

**Title:**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.5

1

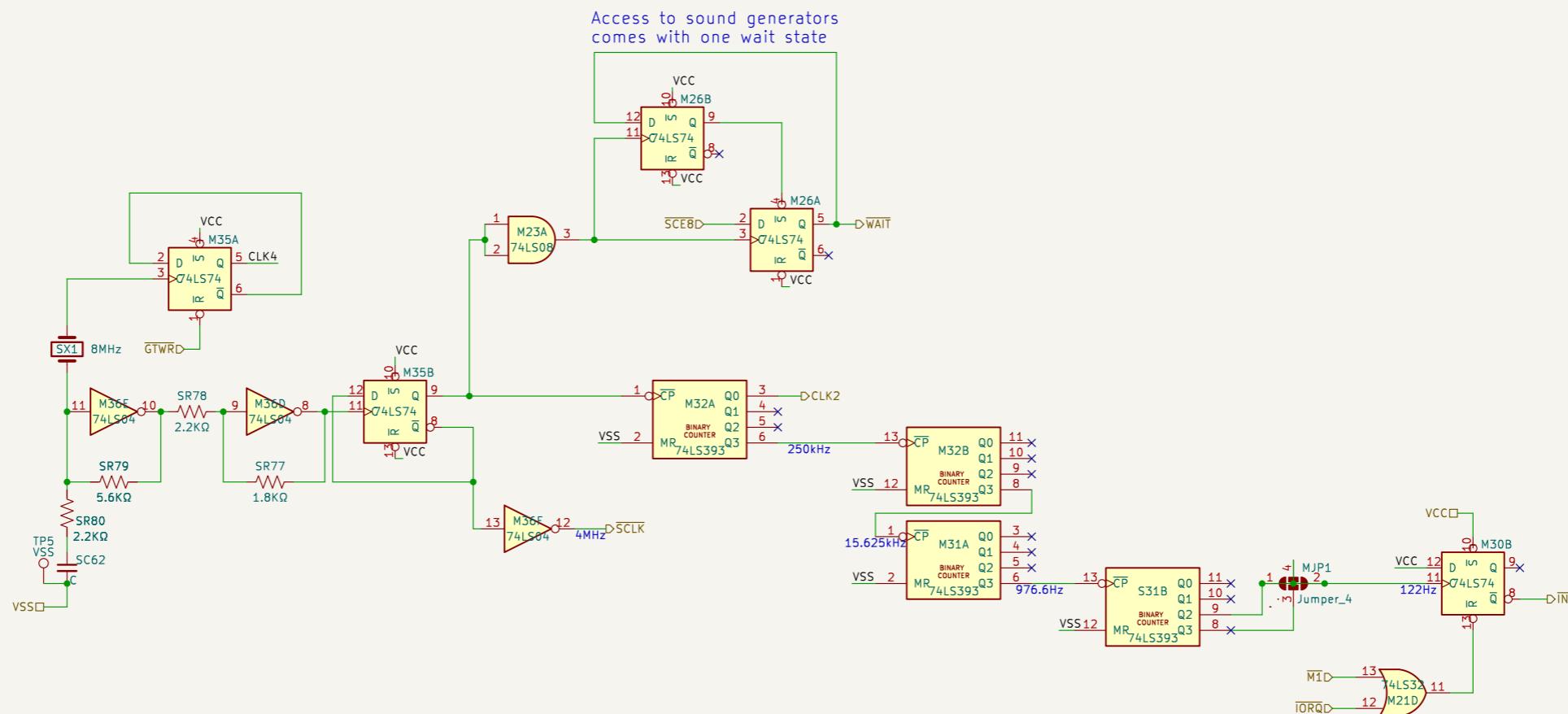


José Tejada  
[www.patreon.com/jotego](http://www.patreon.com/jotego)  
**JOTEGO**

Sheet: /Sound/Sound Generators/  
File: ongen.kicad\_sch

**Title:**

Size: A3	Date: 2024-11-16
KiCad E.D.A. 8.0.5	Rev: 19/20



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

Sheet: /Sound/Clocks/  
File: snd\_clocks.kicad\_sch

**Title:**

Size: A3 Date: 2024-11-16  
KiCad E.D.A. 8.0.5