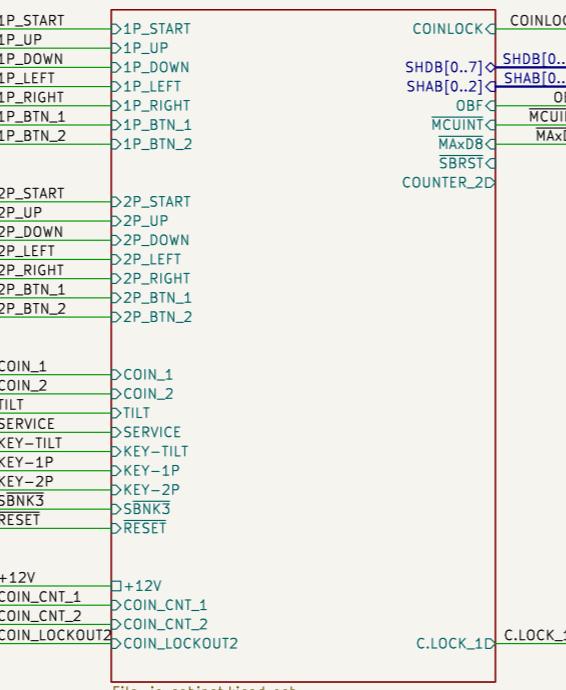
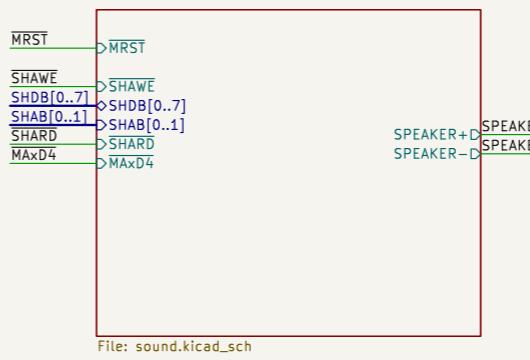


Cabinet



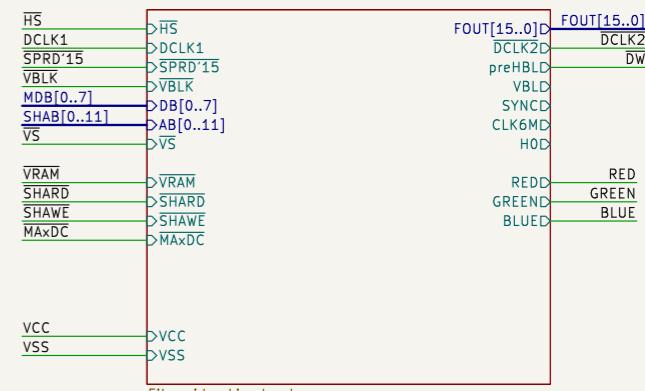
File: io_cabinet.kicad_sch

Sound



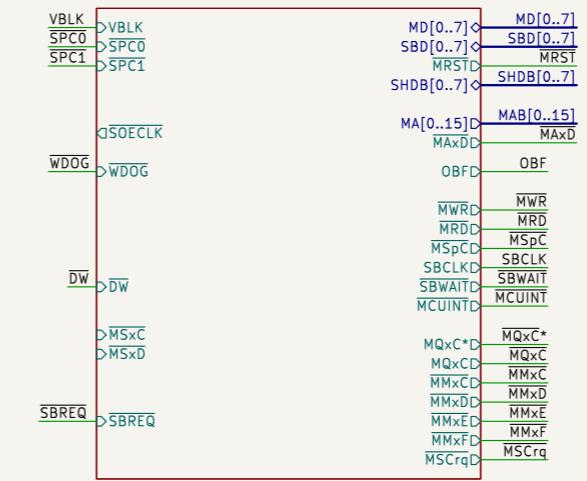
File: sound.kicad_sch

Video



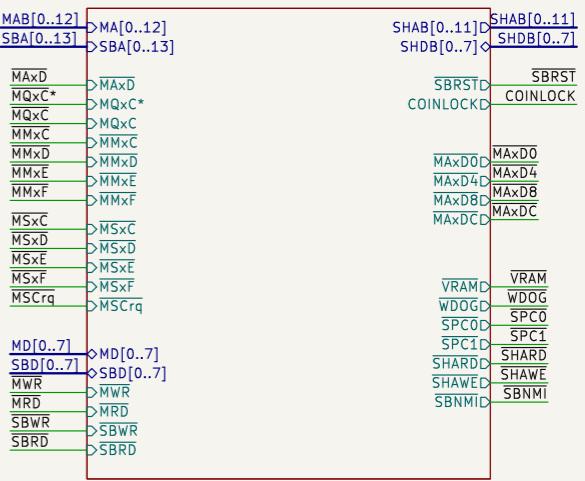
File: video.kicad_sch

Main



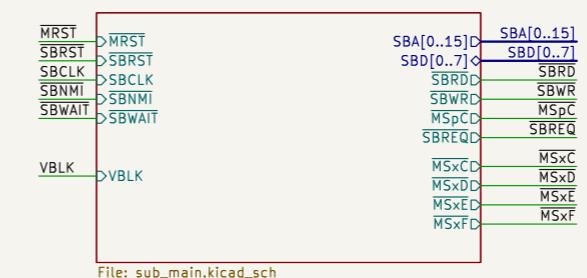
File: main.kicad_sch

Shared



File: shared.kicad_sch

Sub



File: sub_main.kicad_sch



File: capacitors_lu.kicad_sch

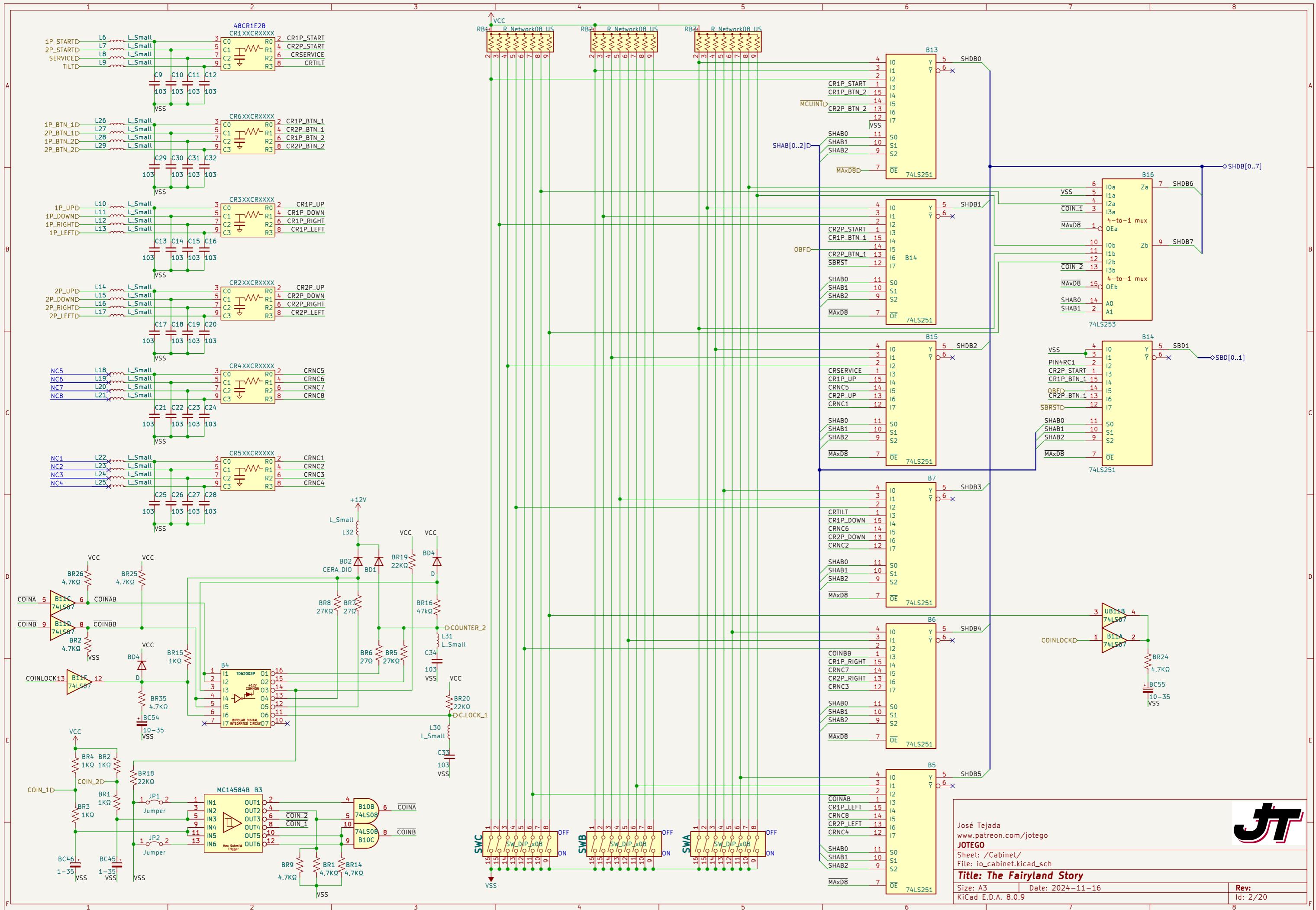
José Tejada
www.patreon.com/jotego
JOTEGO

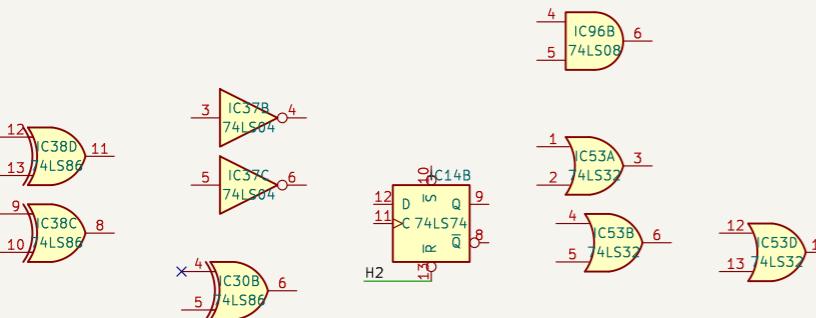
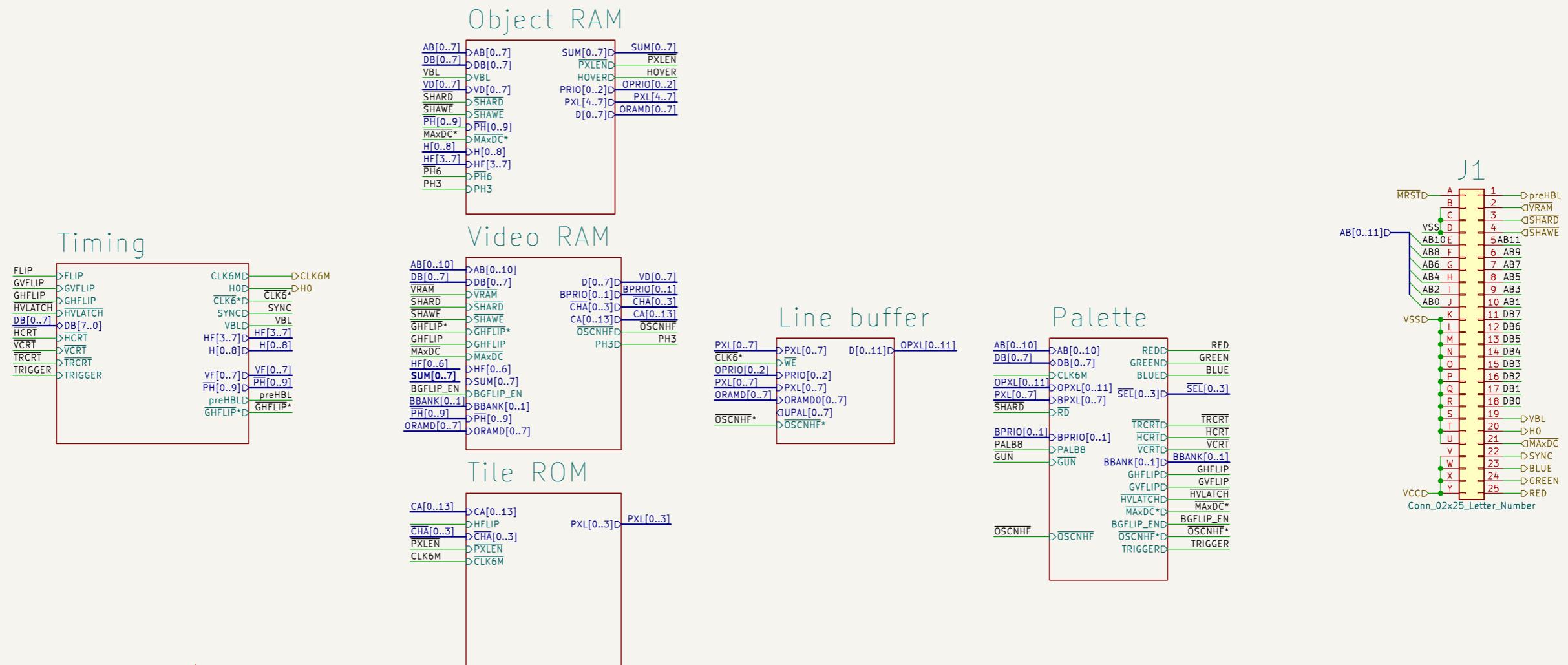
Sheet: /
File: fairyland.kicad_sch

Title: The Fairyland Story

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

Rev:
Id: 1/20





José Tejada
www.patreon.com/jotego
JOTEGO

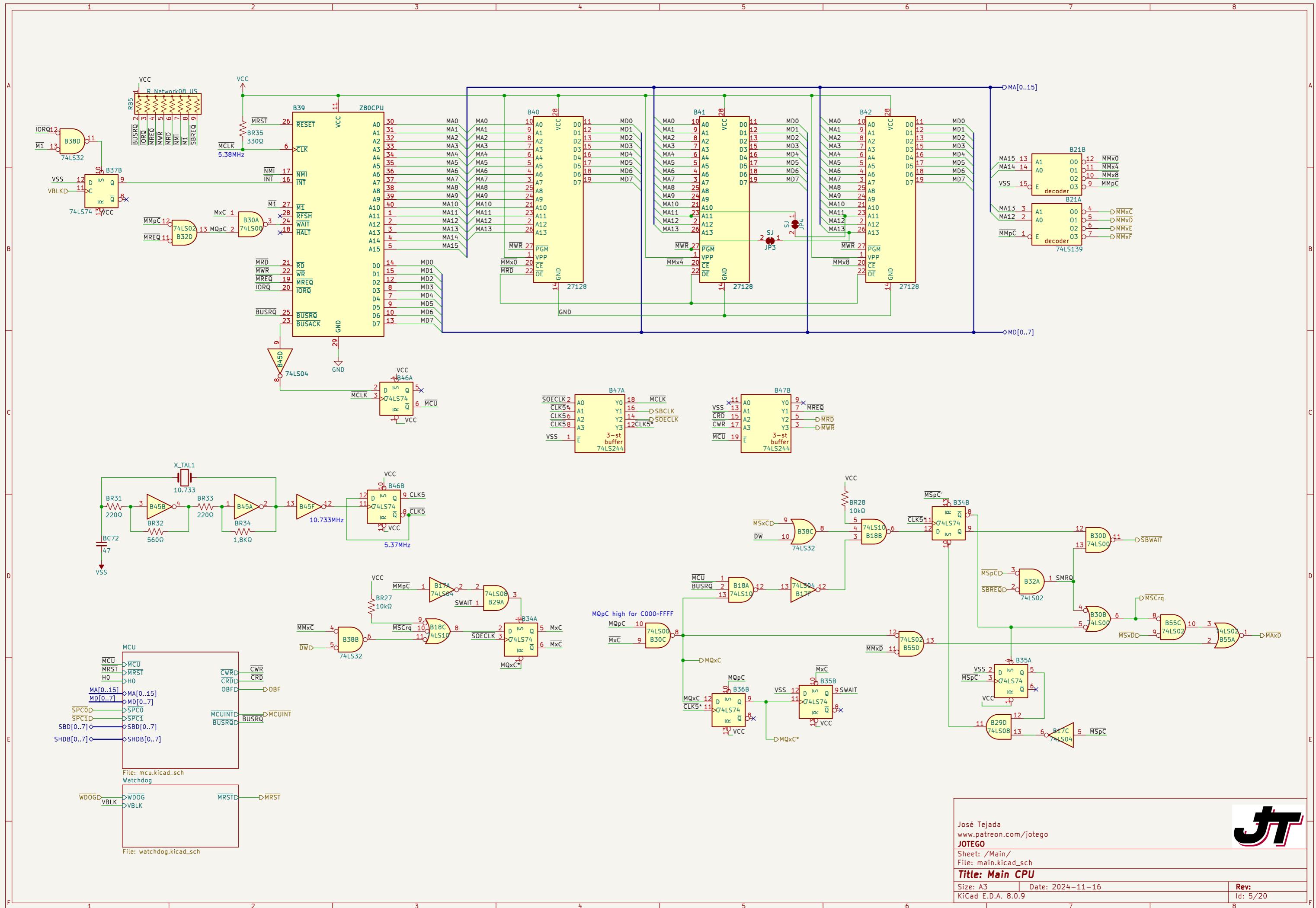
Sheet: /Video/

File: video.

Title: The Fairy

Size: A3 Date: 2

KiCad E.D.A. 8.0.9





José Tejada
www.patreon.com/jotego
JOTEGO

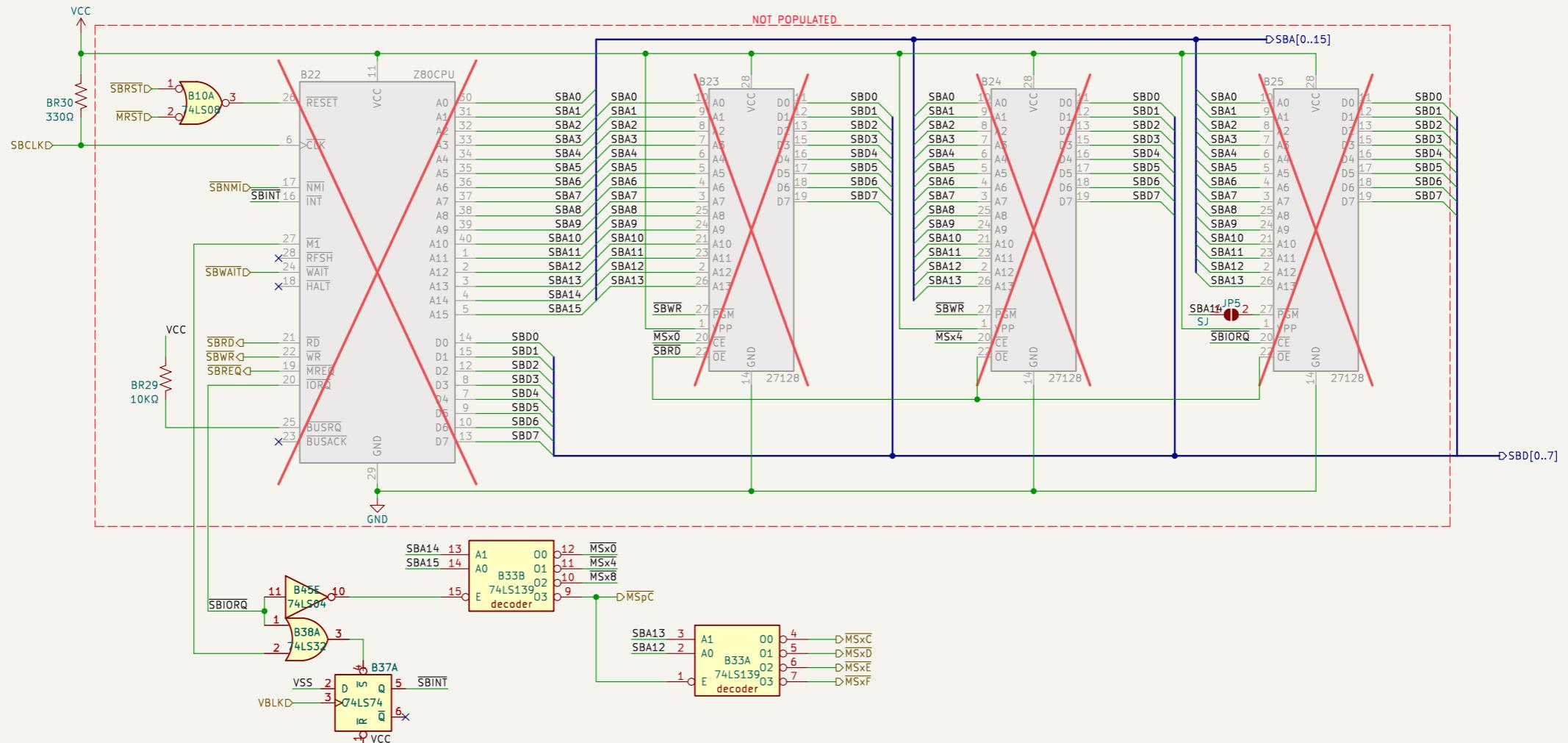
Sheet: /Sound/
File: sound.kicad_sch

Title: Sound Board

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

Rev:
Id: 7/20





José Tejada
www.patreon.com/jotego
JOTEGO

Sheet: /Sub/

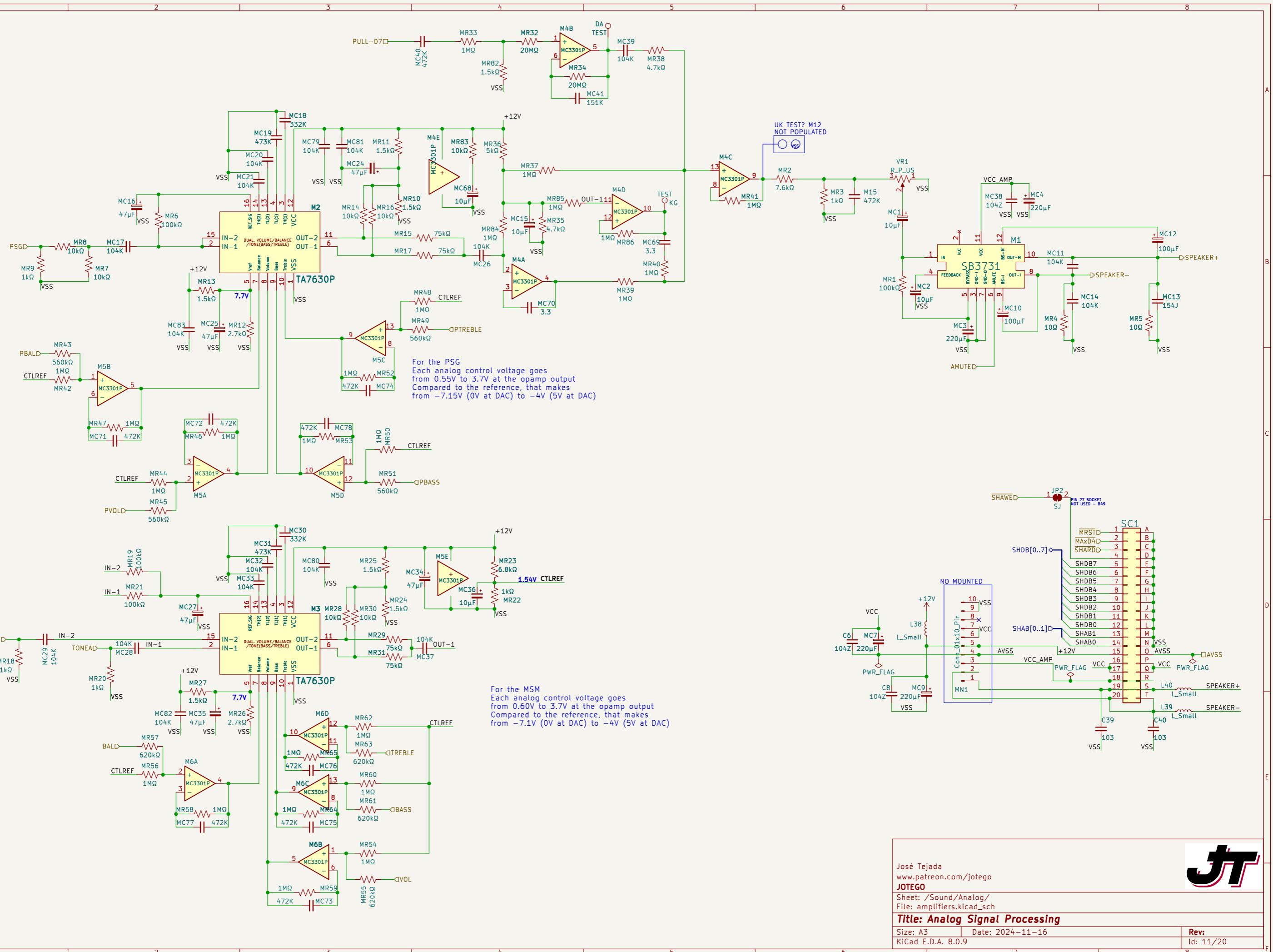
File: sub_main.kicad_sch

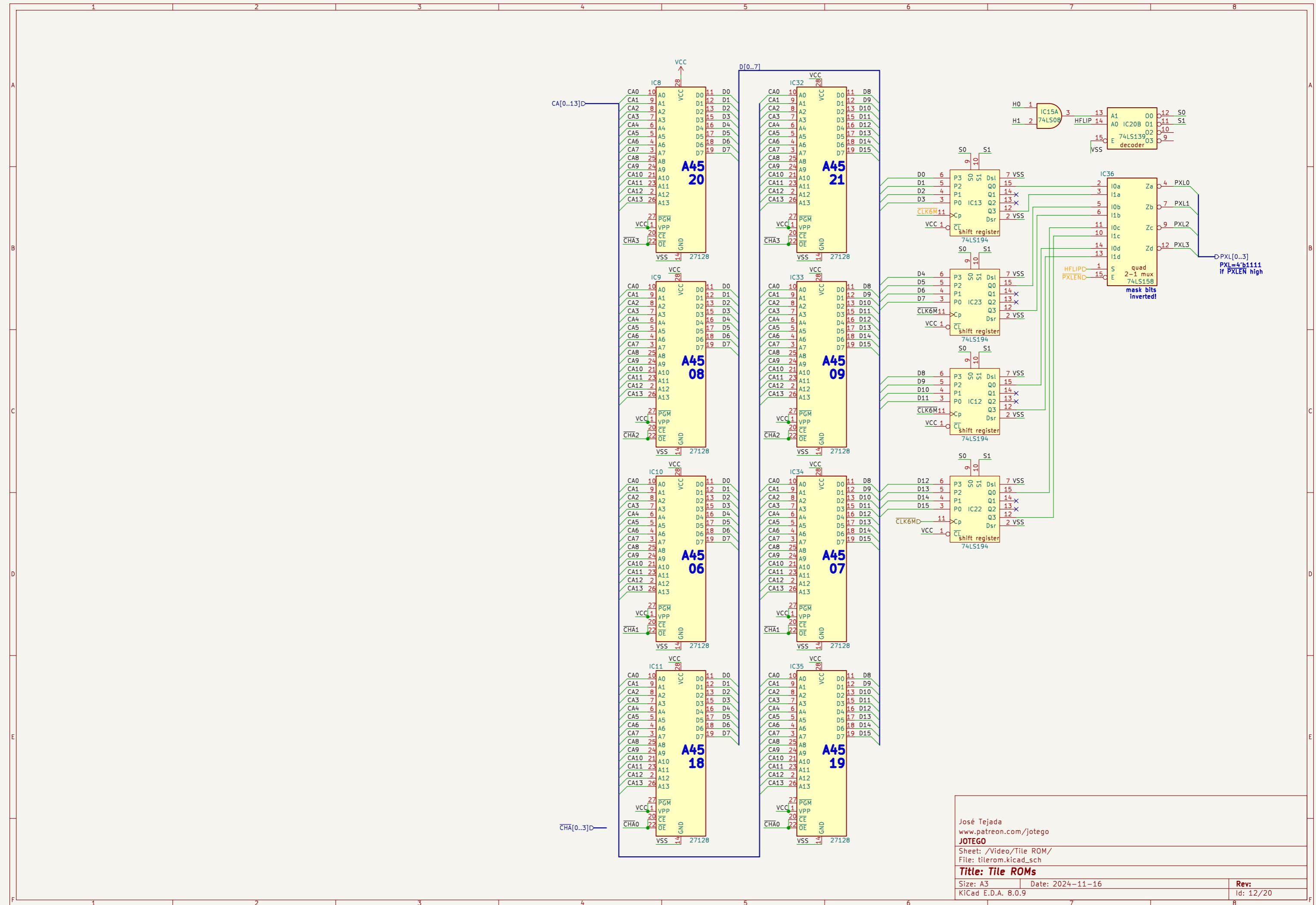
Title: Subsidiary CPU

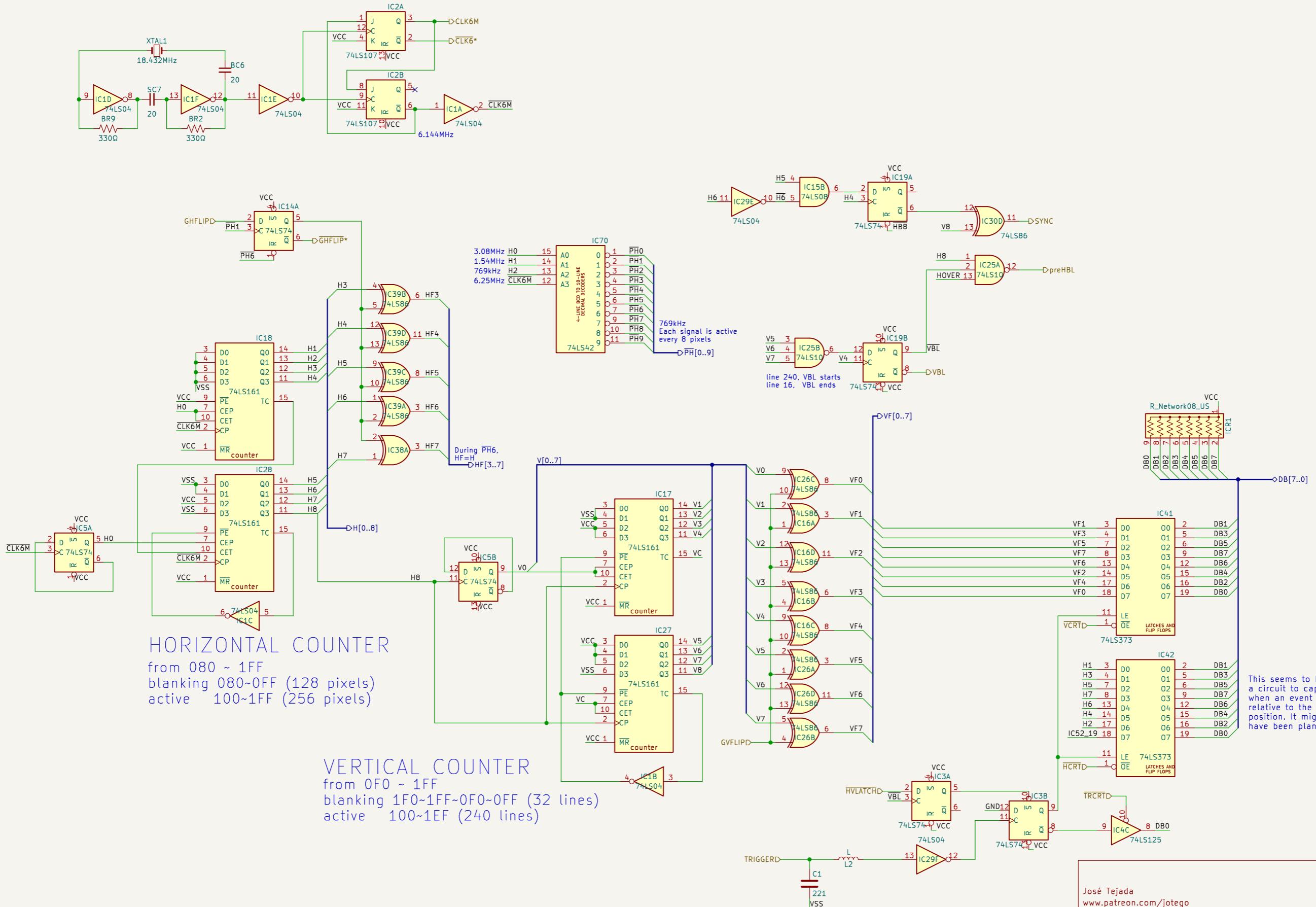
Size: A3 Date: 2024-11-16
KiCad EDA 8.0.8

KICad E.D.A. 8.0.9

Digitized by srujanika@gmail.com





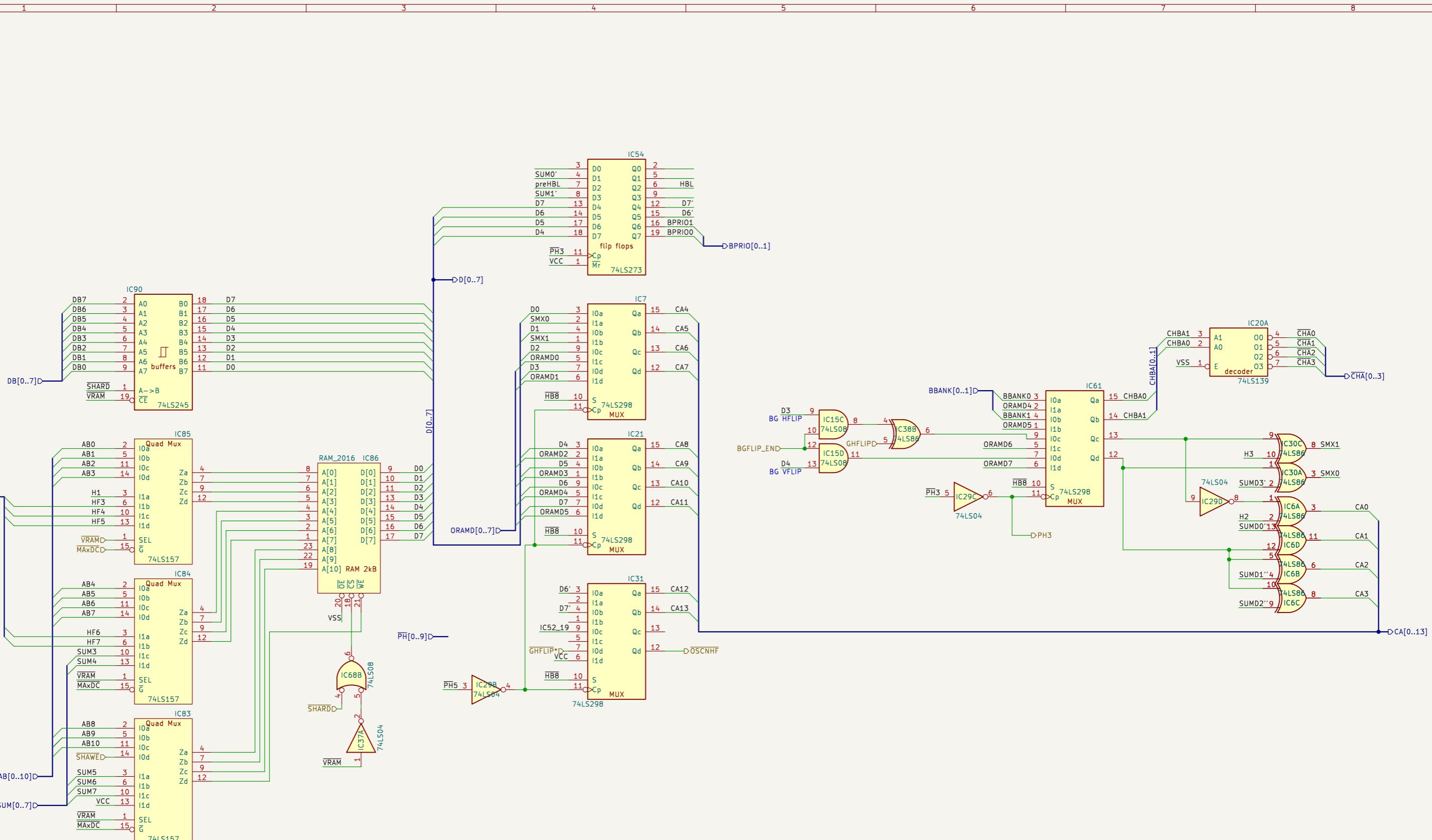


José Tejada
www.patreon.com/jotego

JOTEGO

Title: Video Timing

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



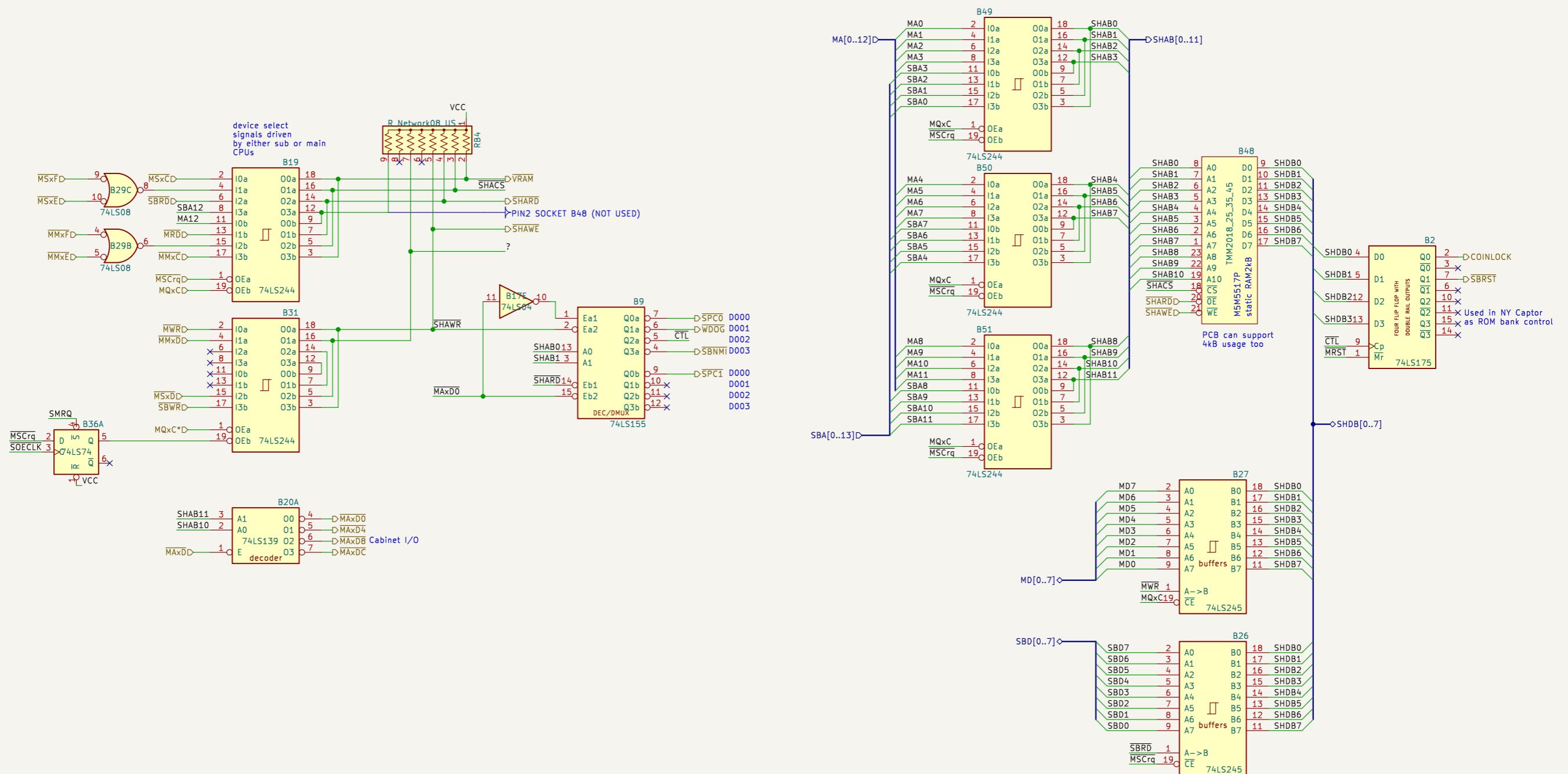
José Tejada
www.patreon.com/jotego
JOTEGO

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

Title: Background Video RAM

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

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

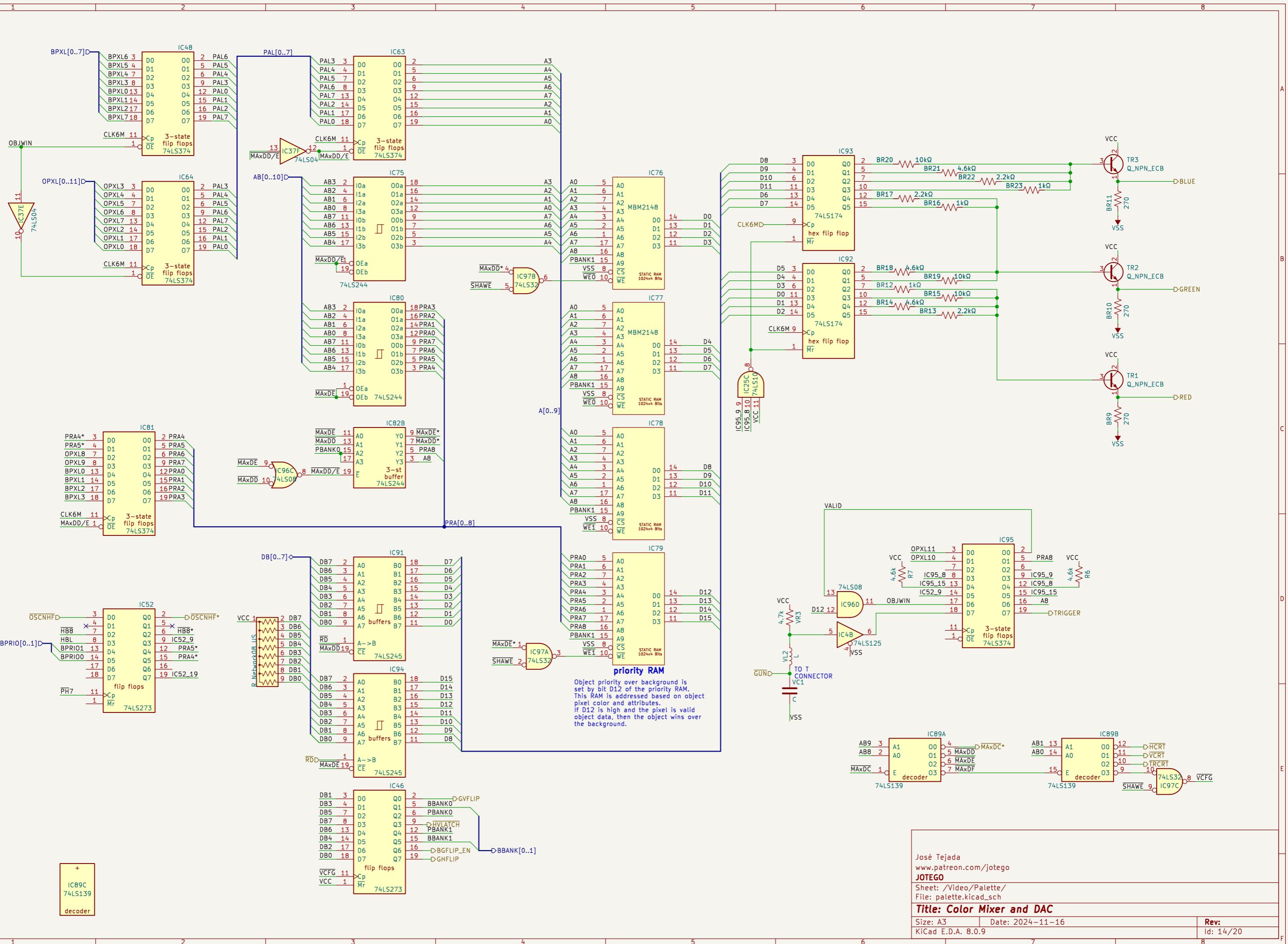
José Tejada
www.patreon.com/jotego
JOTEGO

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



José Tejada

www.patreon.com/jotego

JOTEGO

Sheet: /Video/Palette/

File: palette.kicad_sch

Title: Color Mixer and DAC

Size: A3 Date: 2024-11-16

KiCad E.D.A. 8.0.9

Rev: 14/20

A

B

C

D

E

F

A

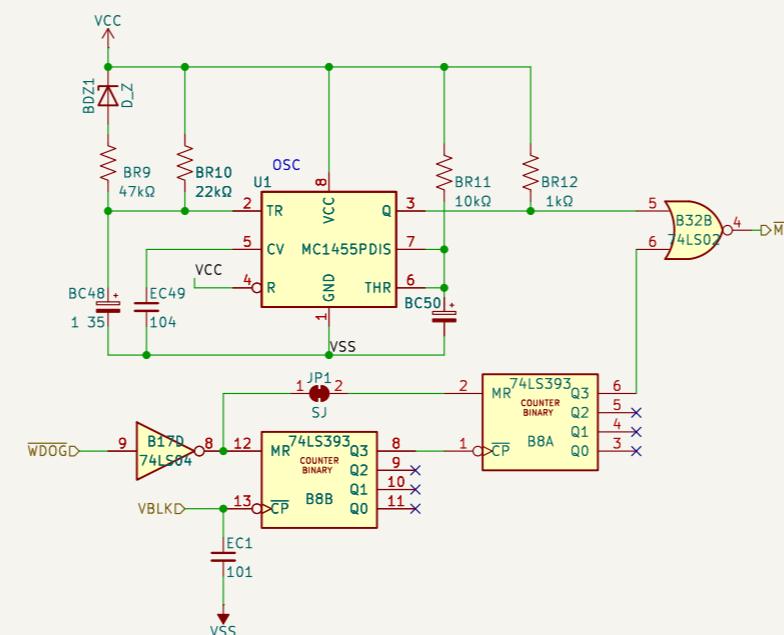
B

C

D

E

F



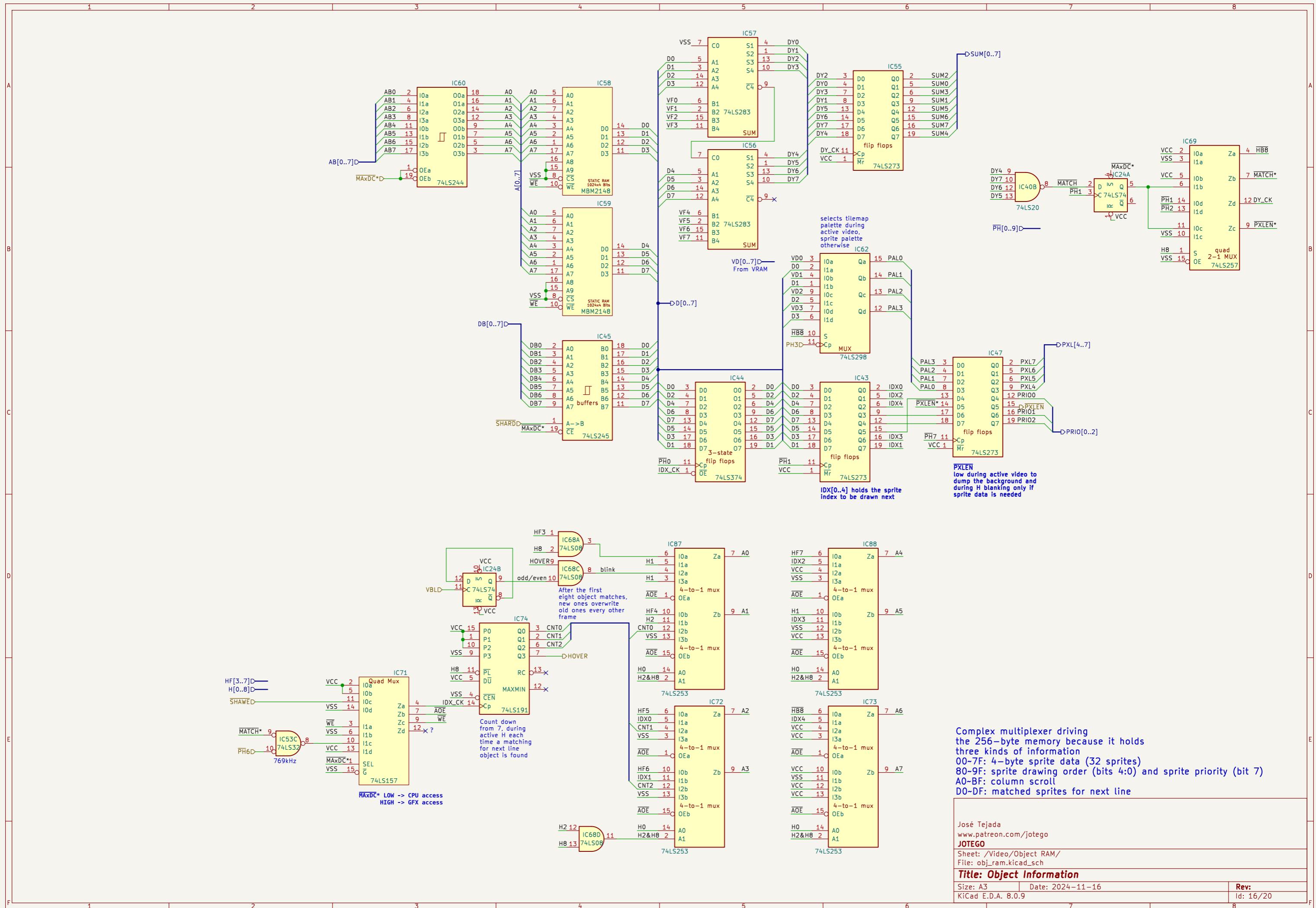
José Tejada
www.patreon.com/jotego
JOTEGO

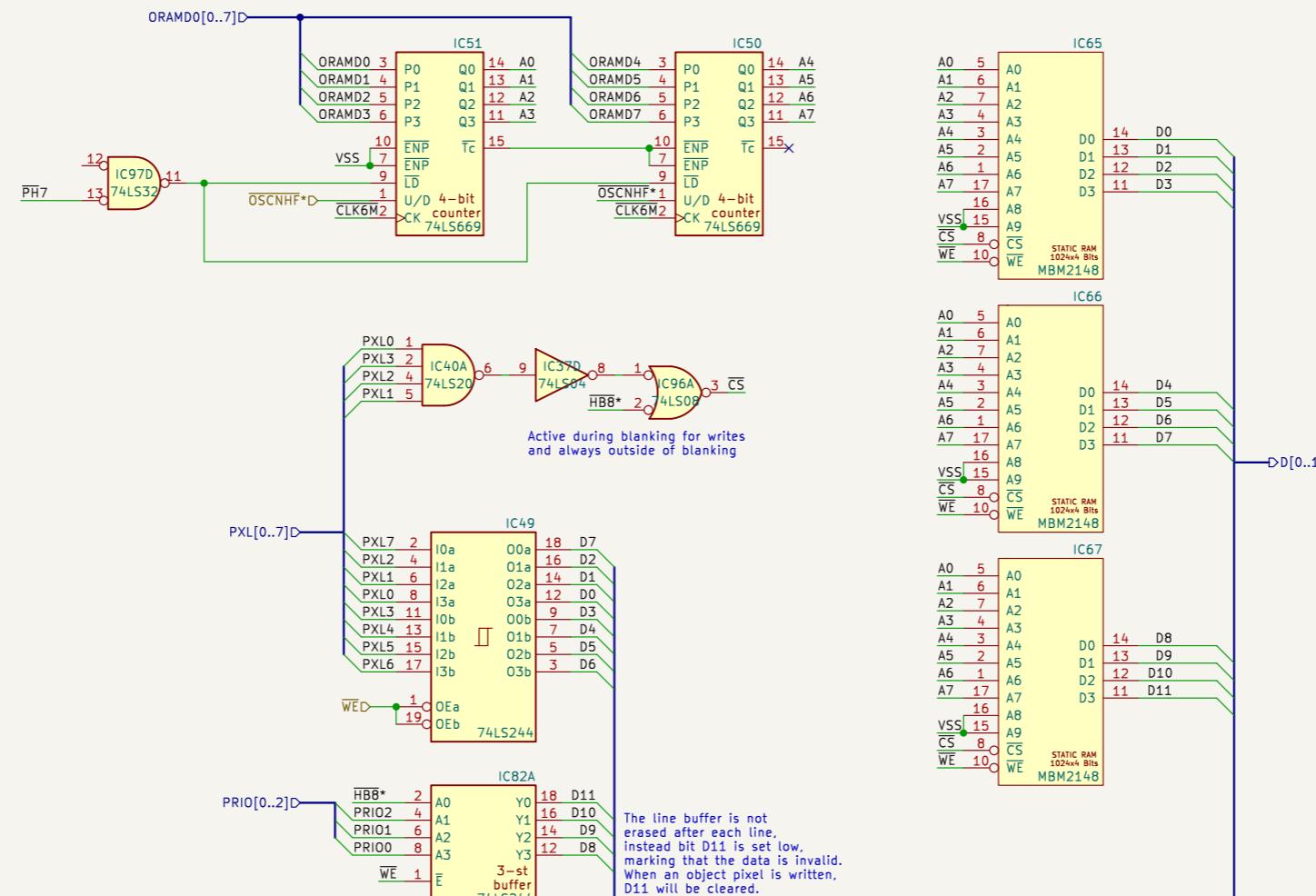
Sheet: /Main/Watchdog/
File: watchdog.kicad_sch

Title:

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

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



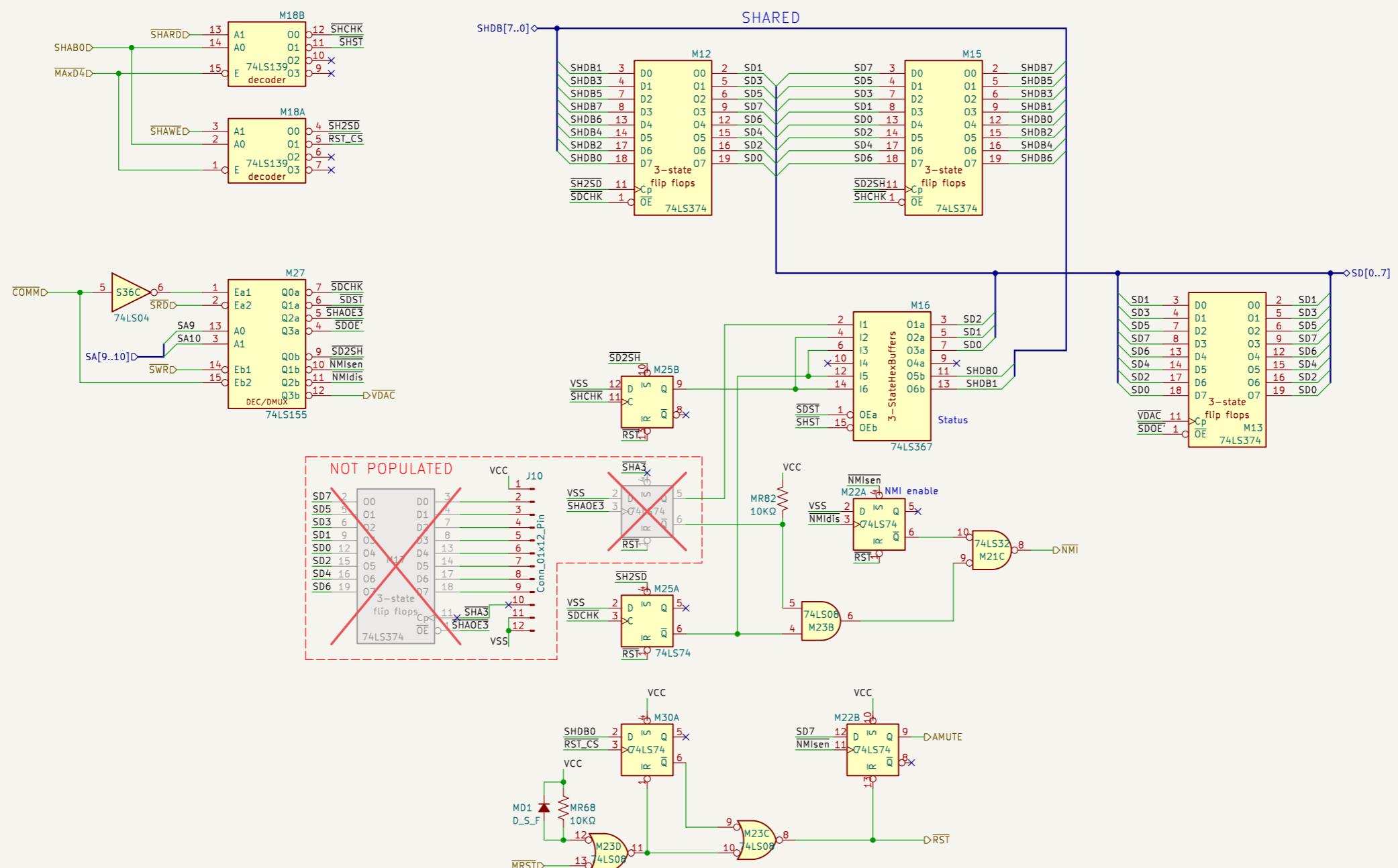


José Tejada
www.patreon.com/jotego
JOTEGO

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

Title: Single Line Video Buffer

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



José Tejada
www.patreon.com/jotego

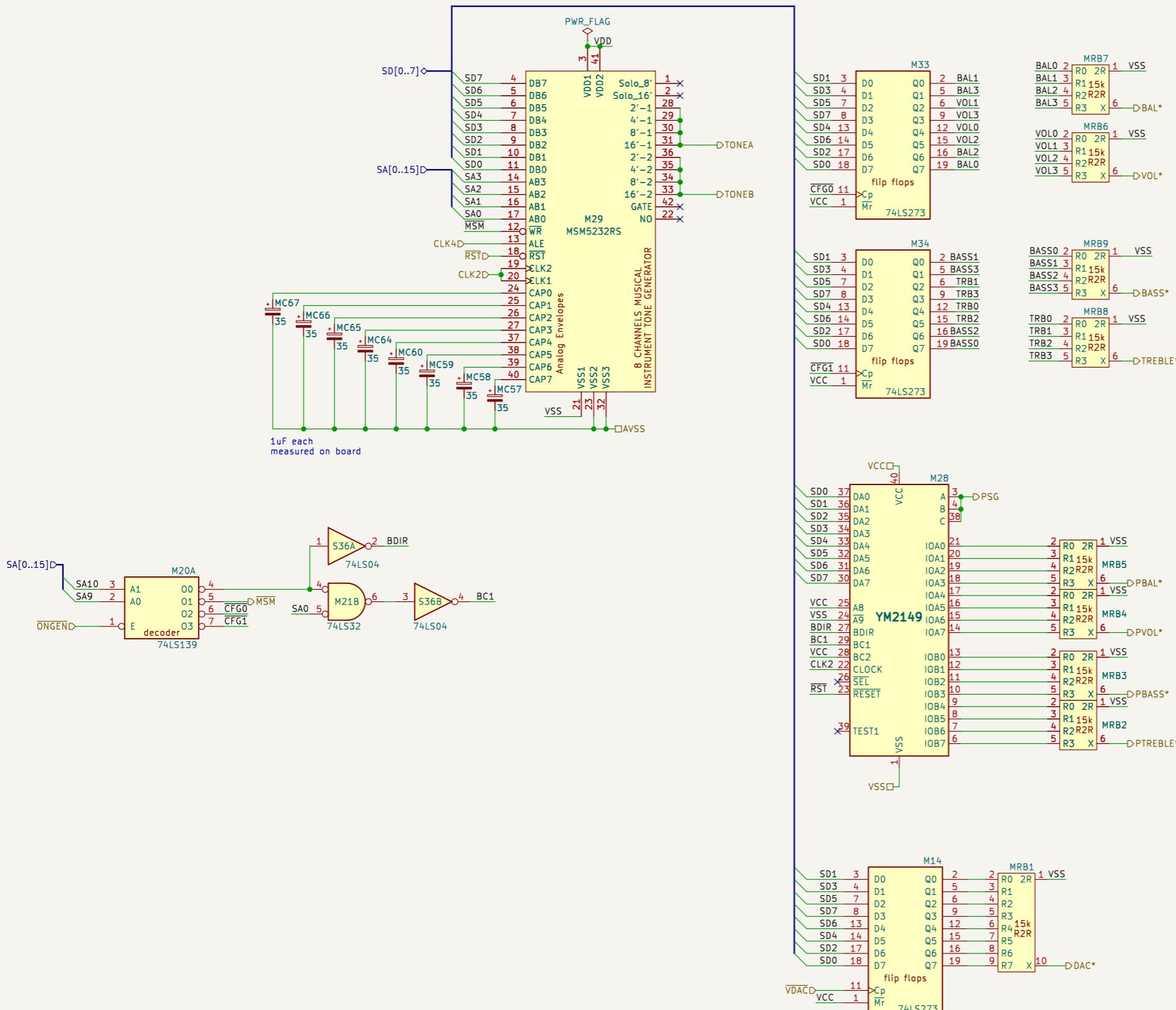
JOTEGO

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

Title: Communication Latches

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

Rev:
Id: 18/20



José Tejada
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. 8.0.9

Rev: Id: 19/20

A

A

B

B

C

C

D

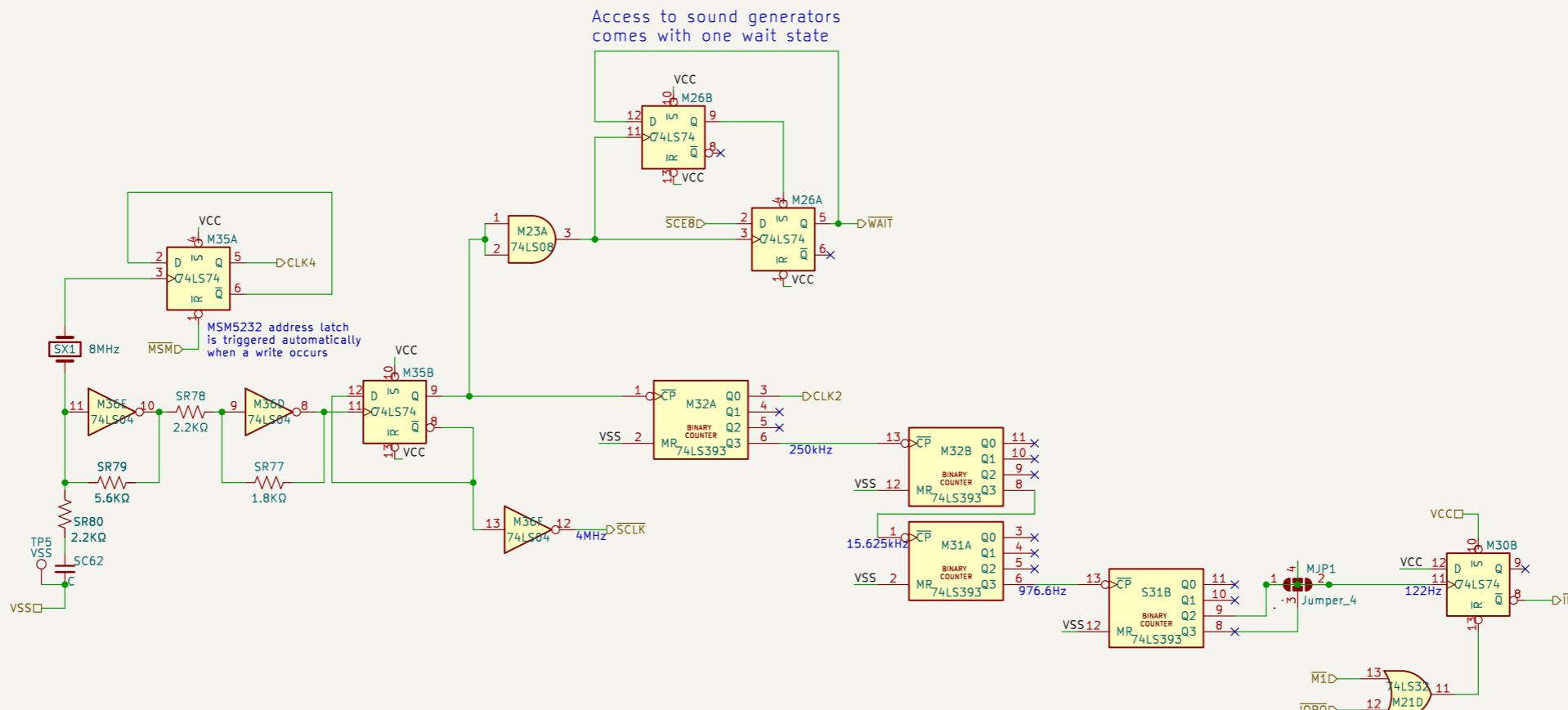
D

E

E

F

F



José Tejada
www.patreon.com/jotego
JOTEGO

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