

A

A

B

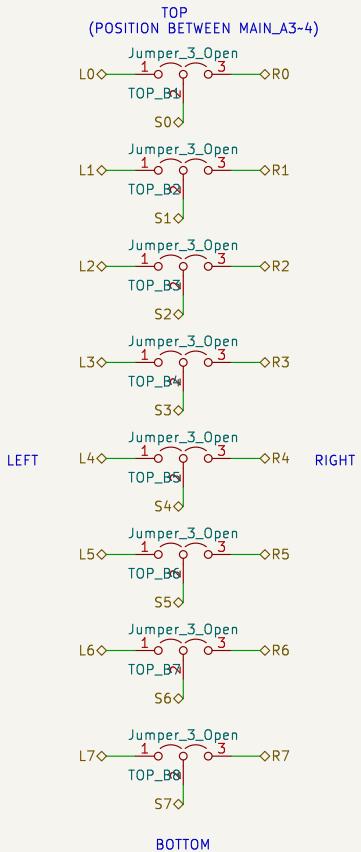
B

C

C

D

D

patreon.com/jotego**JOTEGO**

Sheet: /ROM board/scrjumpers/

File: romjp.kicad_sch

**Title: SEGA System 18 MODEL 837-7178**

Size: A4 Date: 2022-03-18

KiCad E.D.A. 8.0.4

Rev: José Tejada

Id: 3/26

A

A

B

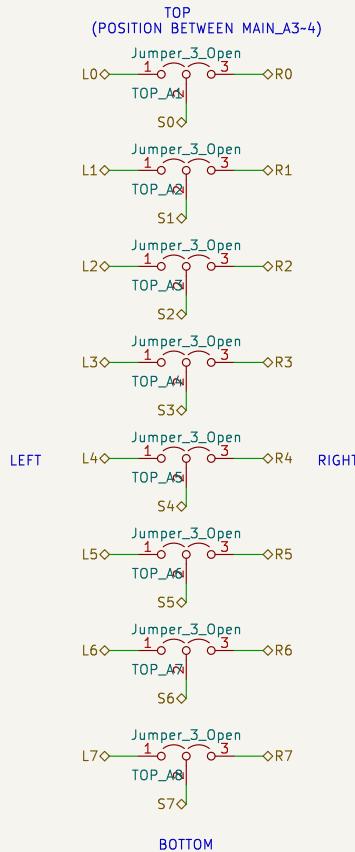
B

C

C

D

D


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JOTEGO
 Sheet: /ROM board/sndjumpers/
 File: romjp.kicad_sch
**Title: SEGA System 18 MODEL 837-7178**
 Size: A4 | Date: 2022-03-18
 KiCad E.D.A. 8.0.4

 Rev: José Tejada
 Id: 4/26

A

A

B

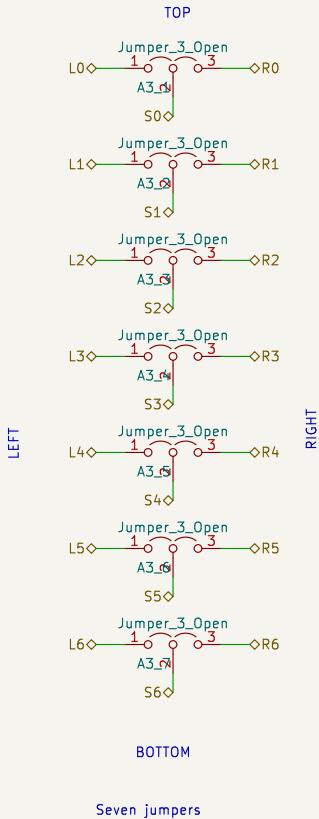
B

C

C

D

D



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Sheet: /ROM board/objjumpers/
 File: romjp7.kicad_sch

Title: SEGA System 18 MODEL 837-7178

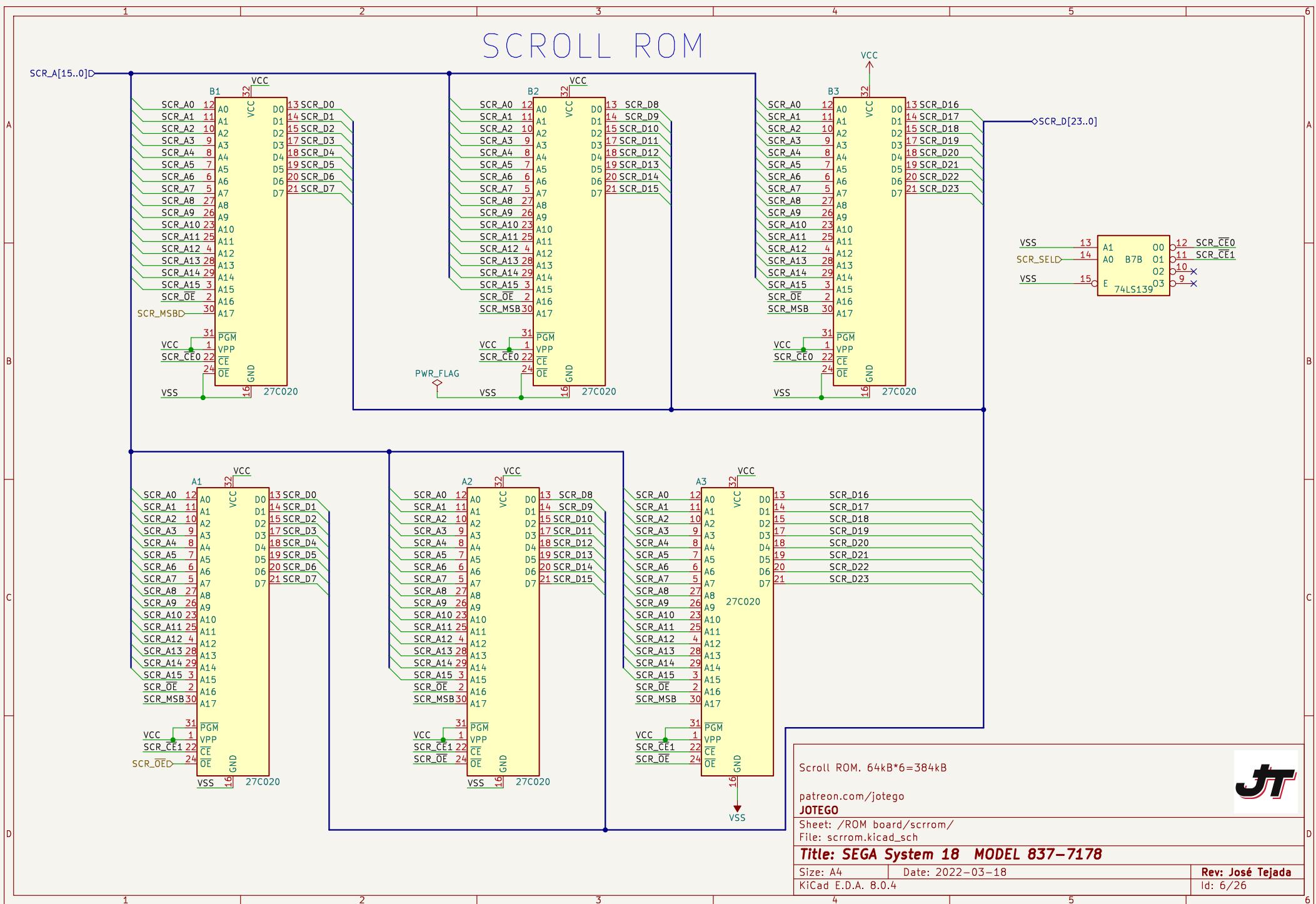
Size: A4 | Date: 2022-03-18

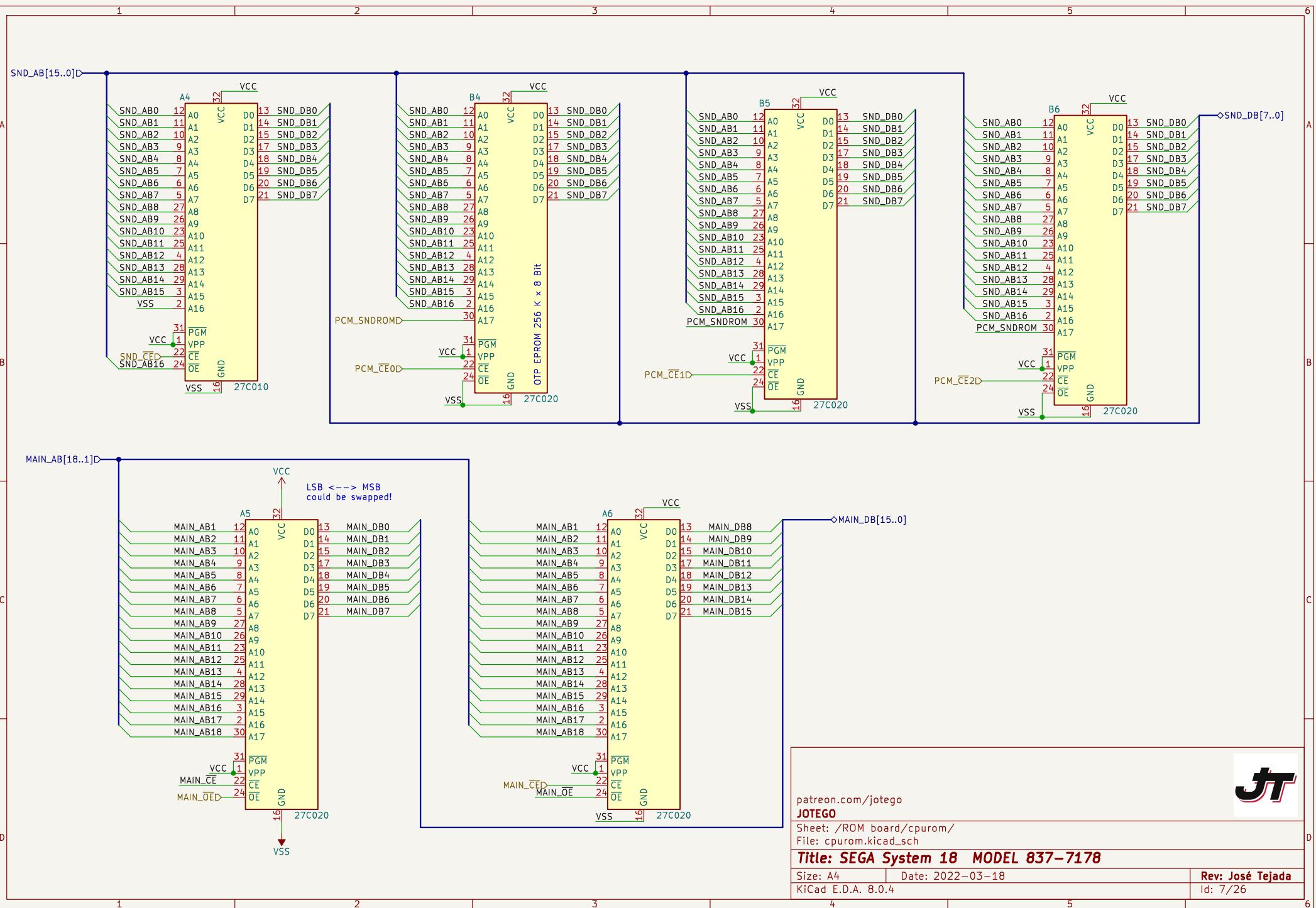
KiCad E.D.A. 8.0.4

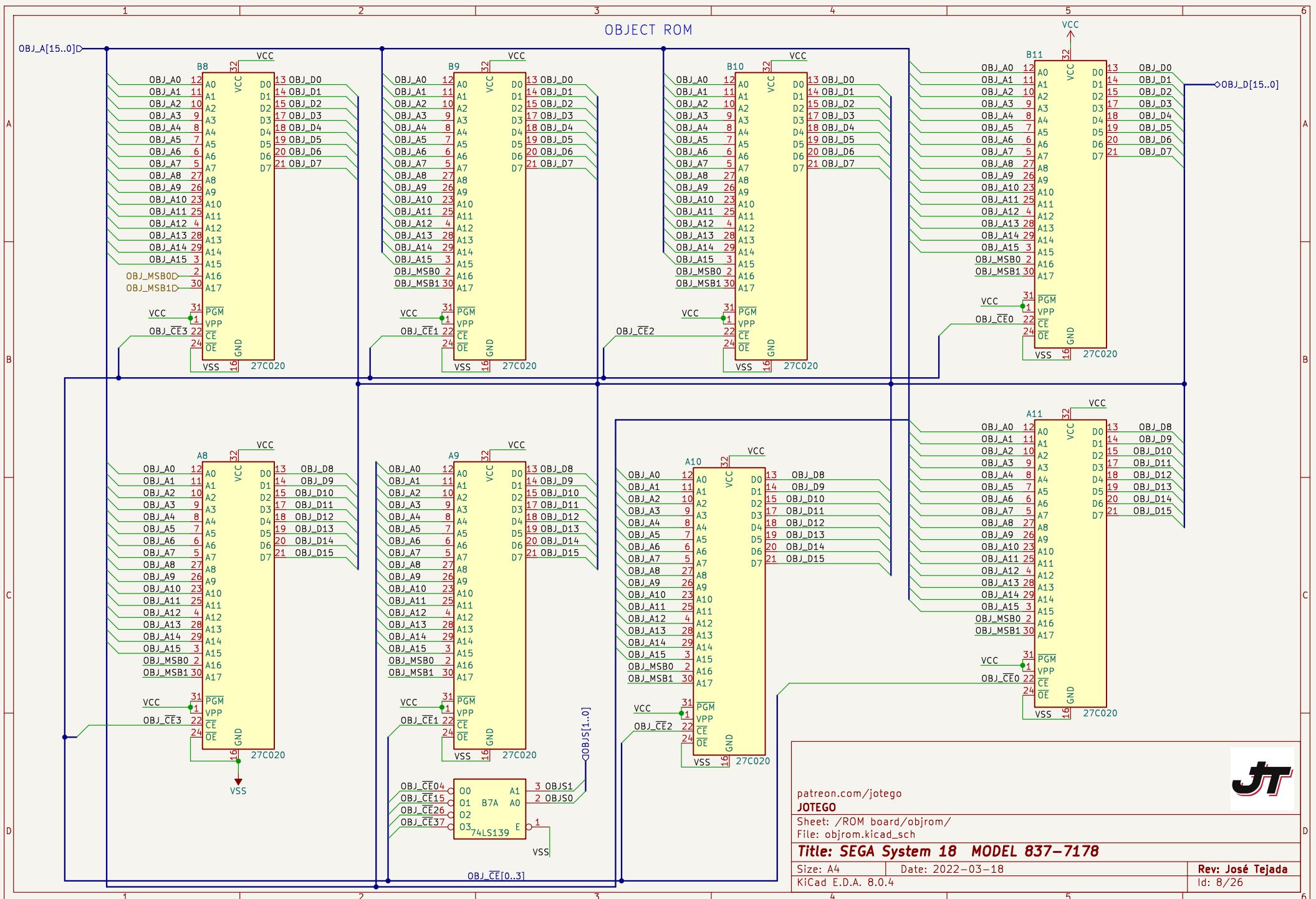


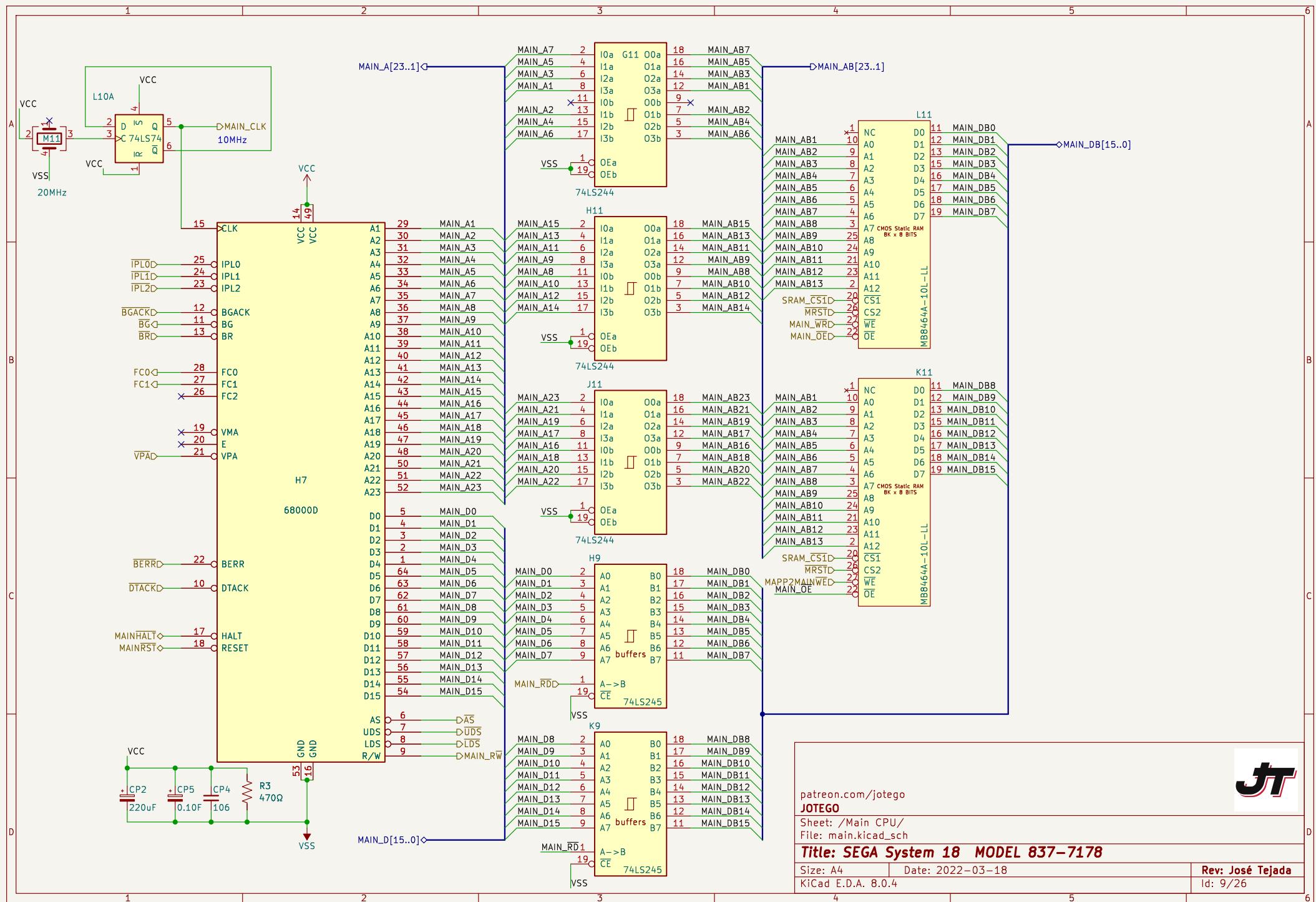
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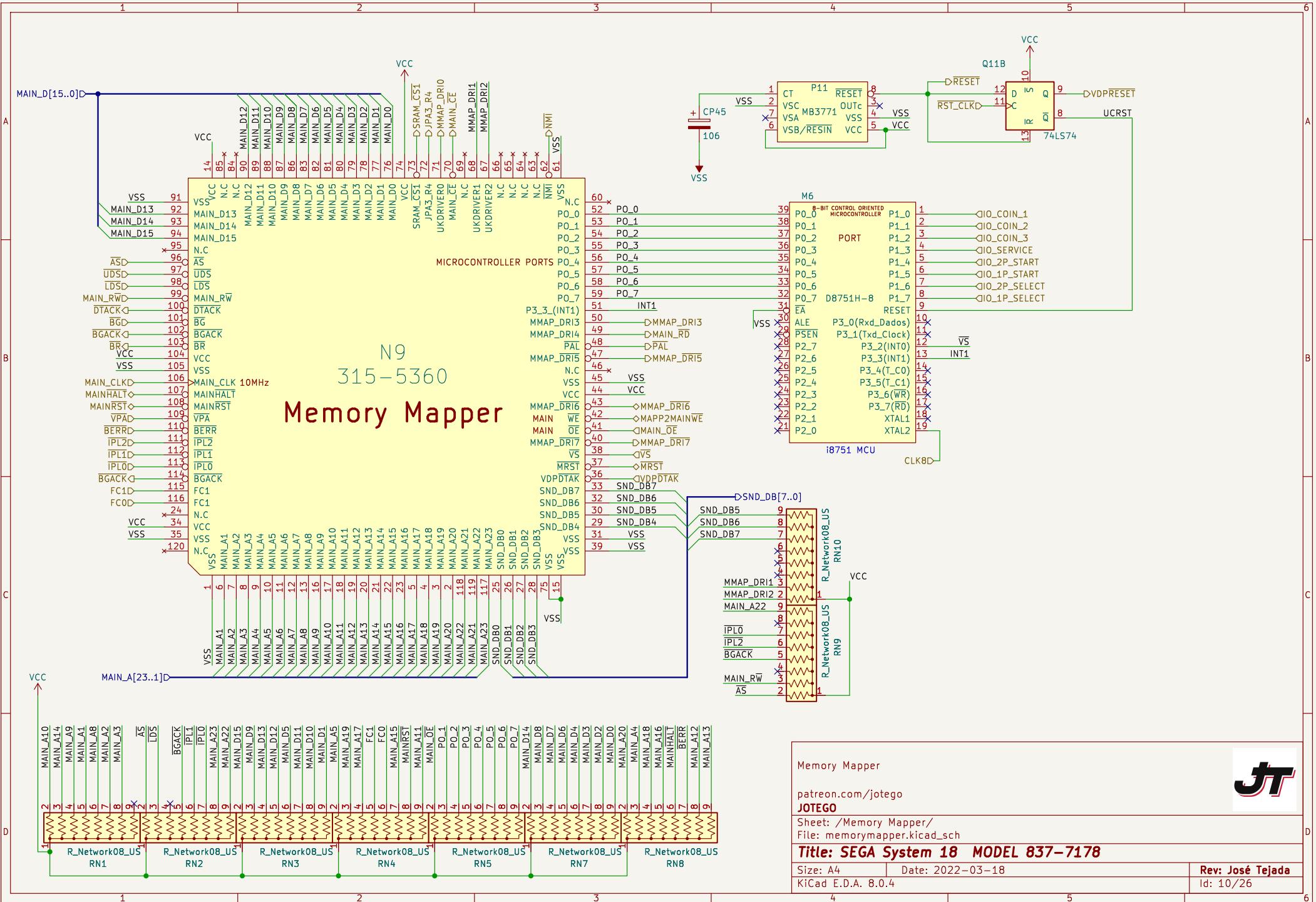
SCROLL ROM

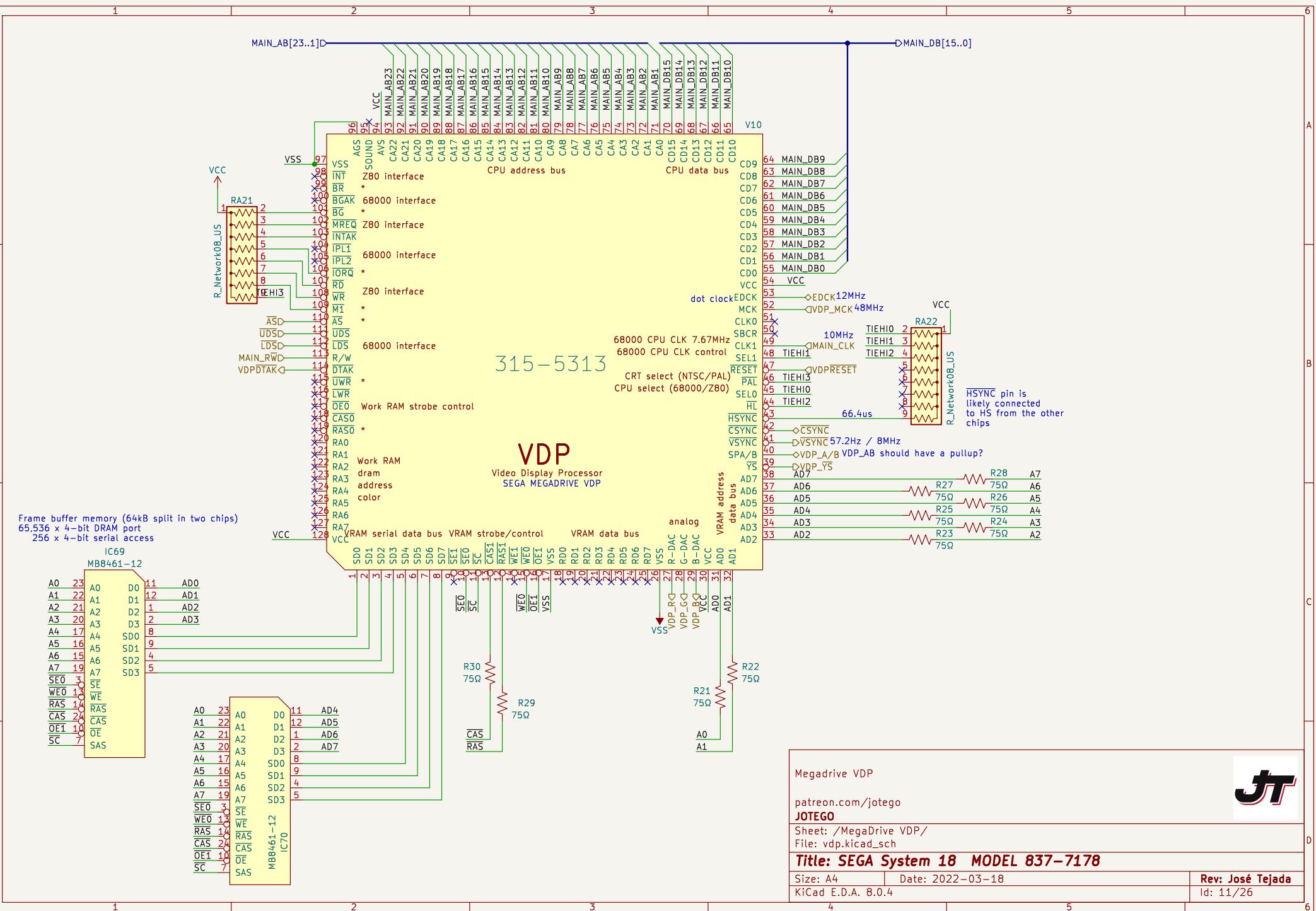


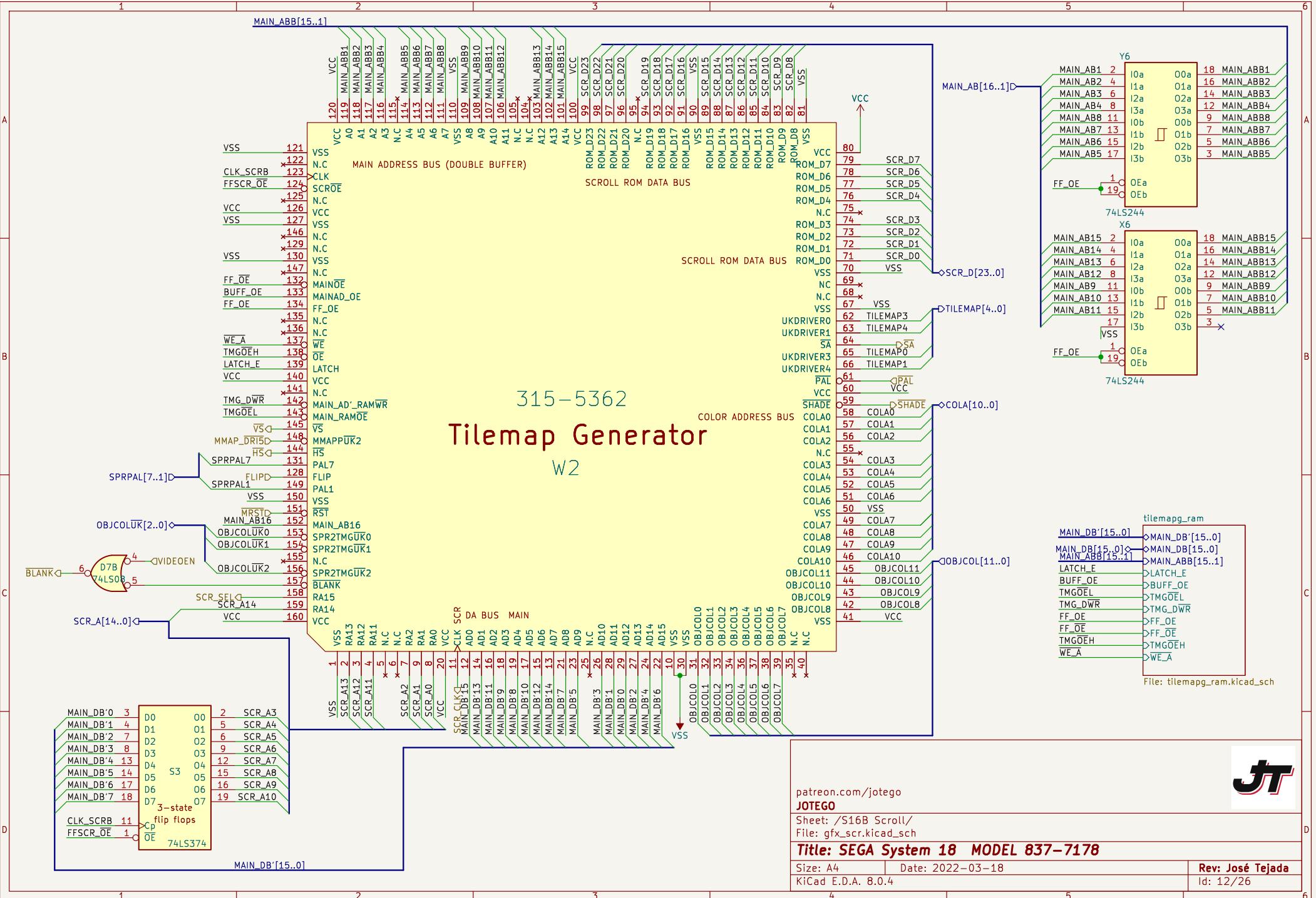


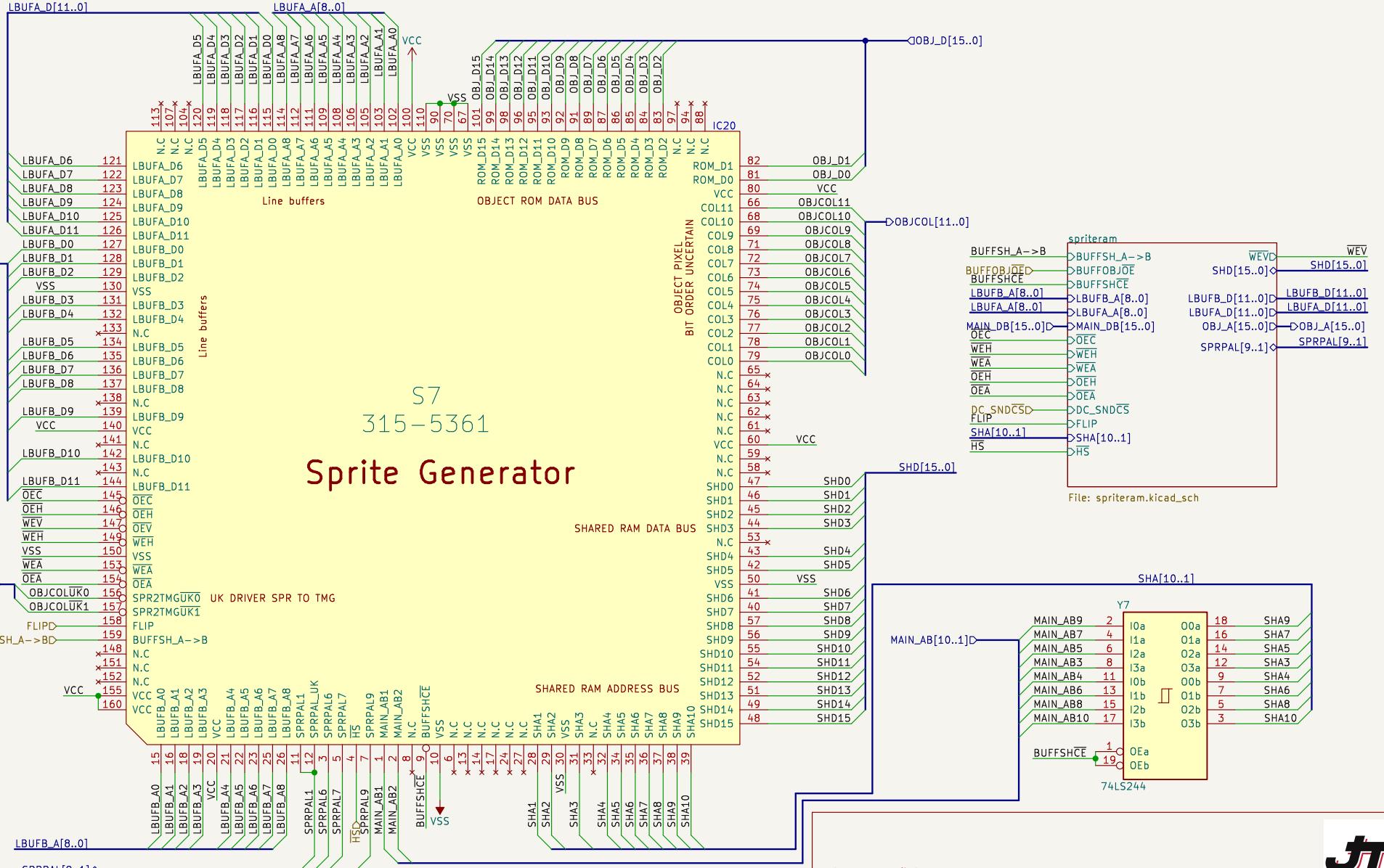












Sprite Generator

S7

315-5361

Title: SEGA System 18 MODEL 837-7178

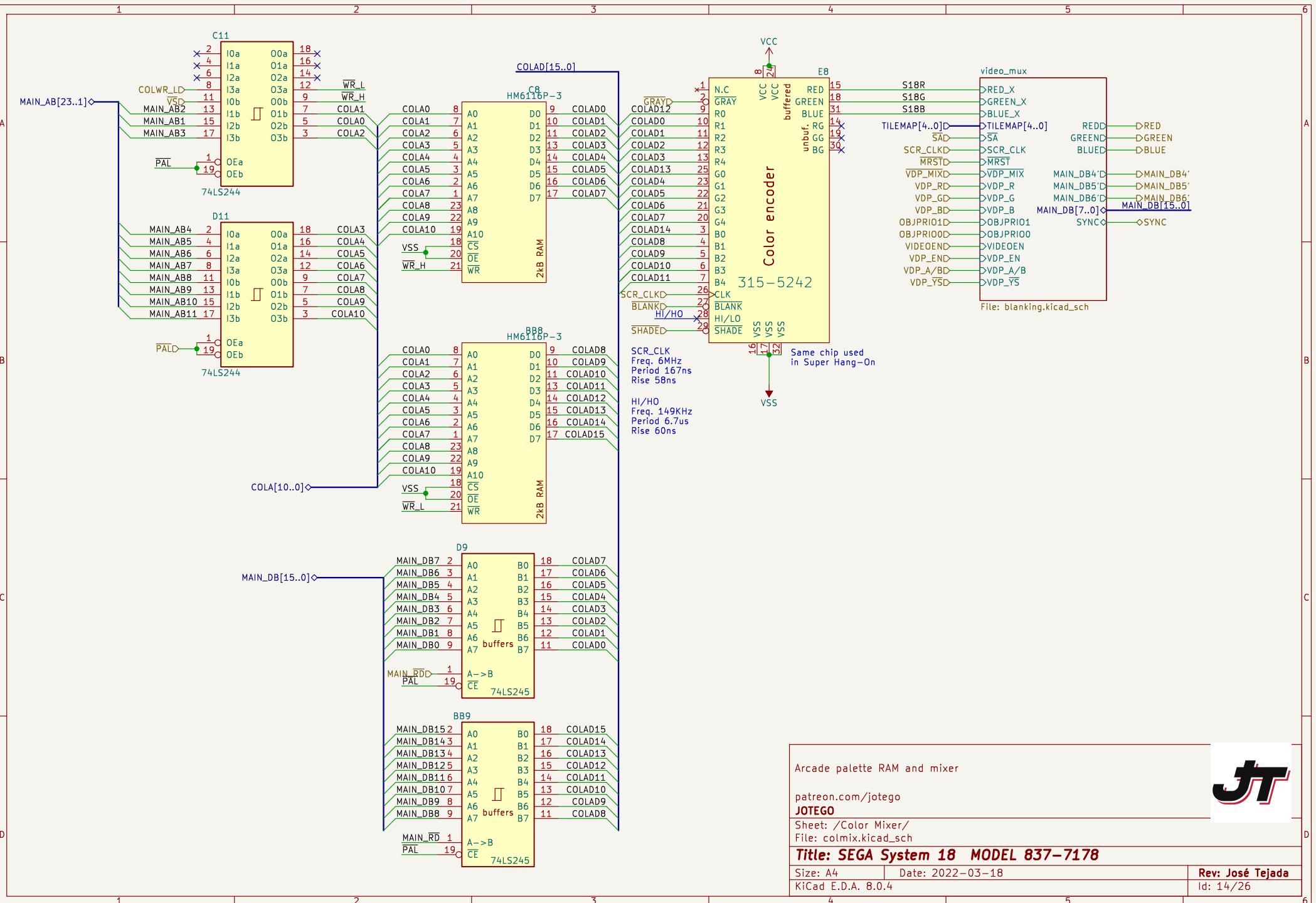
Size: A4 Date: 2022-03-18

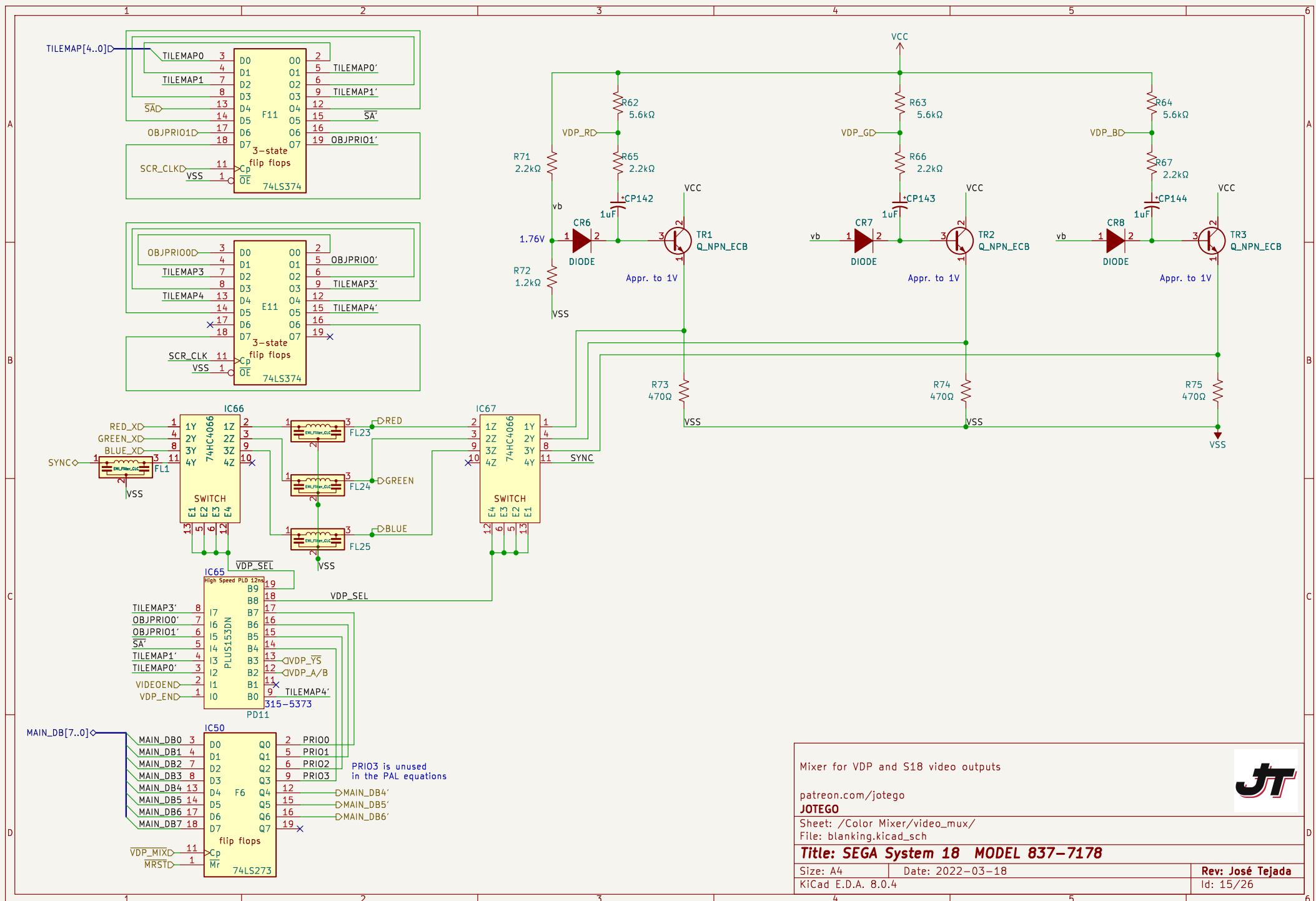
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Mixer for VDP and S18 video outputs

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Sheet: /Color Mixer/video_mux/
File: blanking.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18

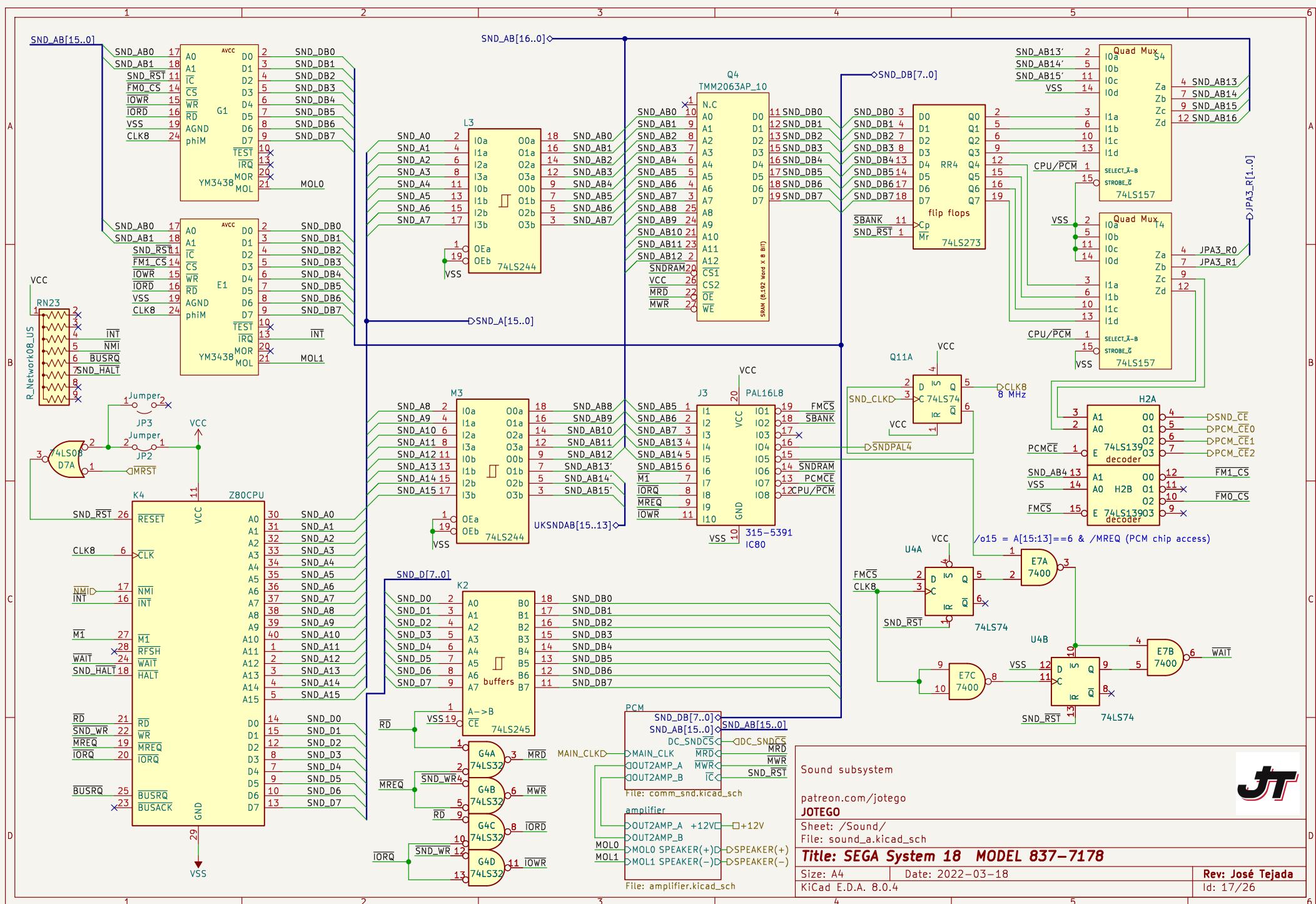
KiCad E.D.A. 8.0.4

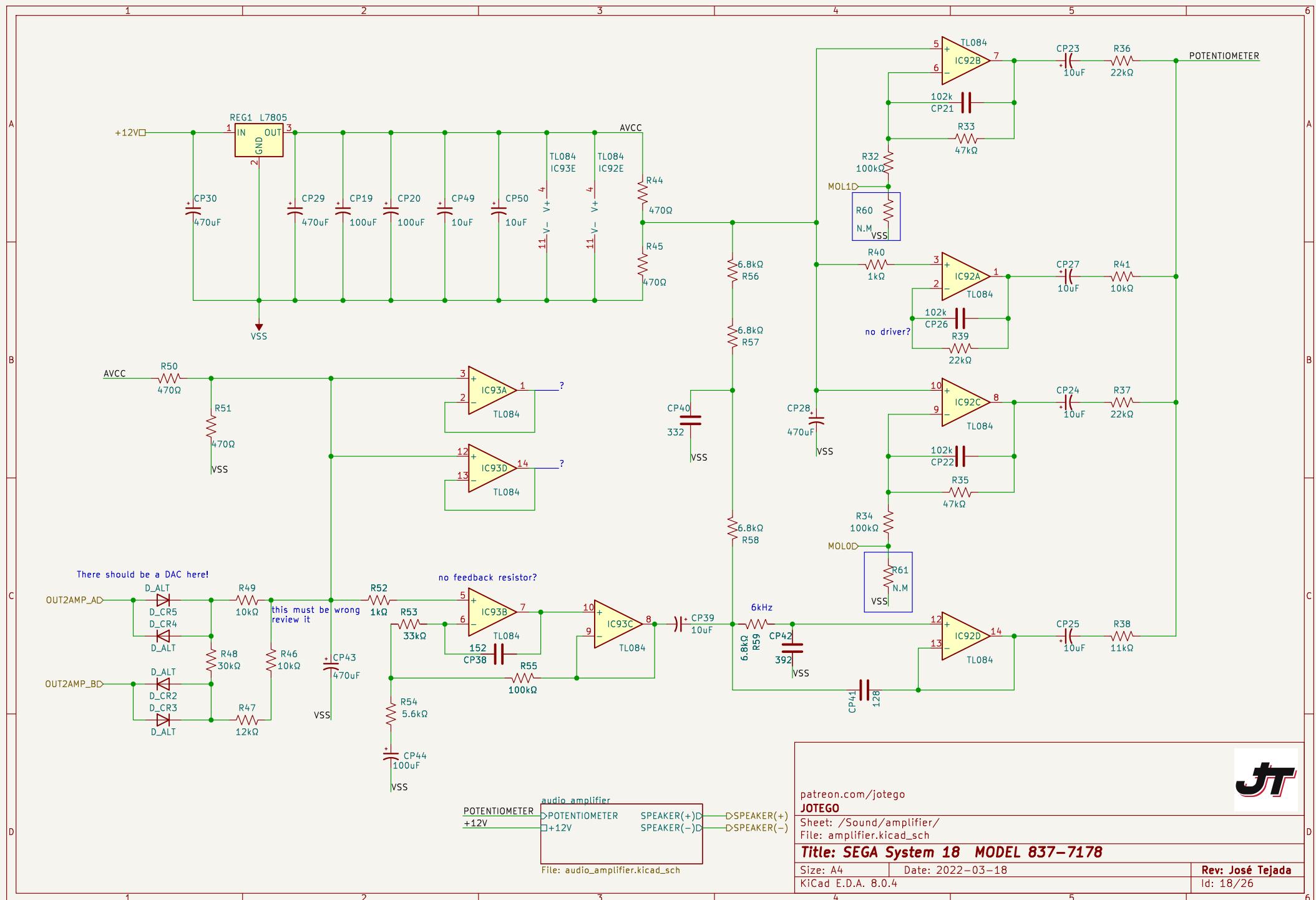


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audio amplifier
+12V
POTENTIOMETER
SPEAKER(+)
SPEAKER(-)
DSPEAKER(+)
DSPEAKER(-)
File: audio_amplifier.kicad_sch

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Sheet: /Sound/amplifier/
File: amplifier.kicad_sch

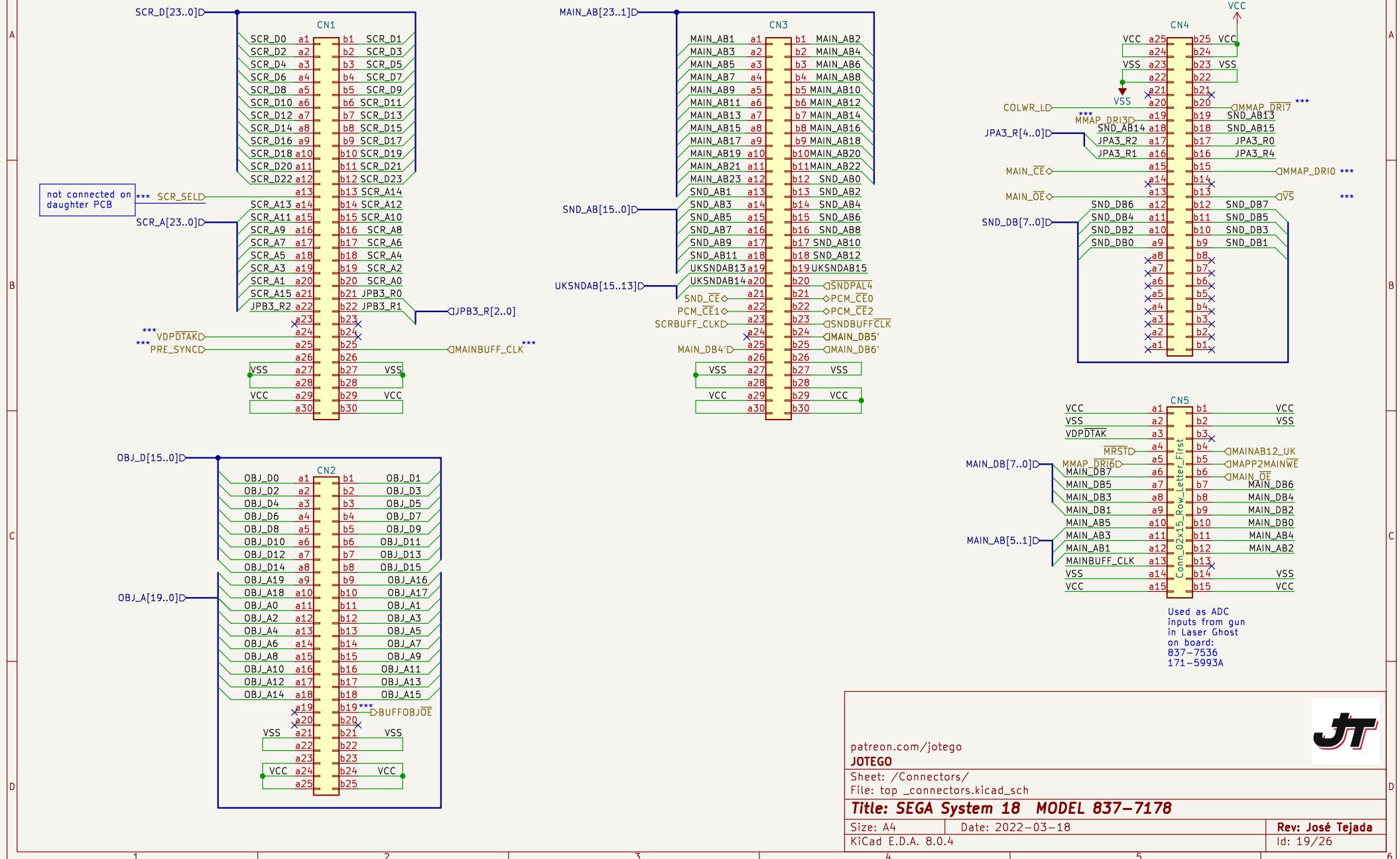
Title: SEGA System 18 MODEL 837-7178

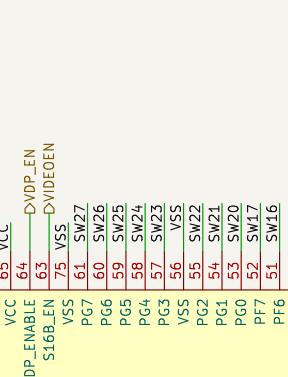
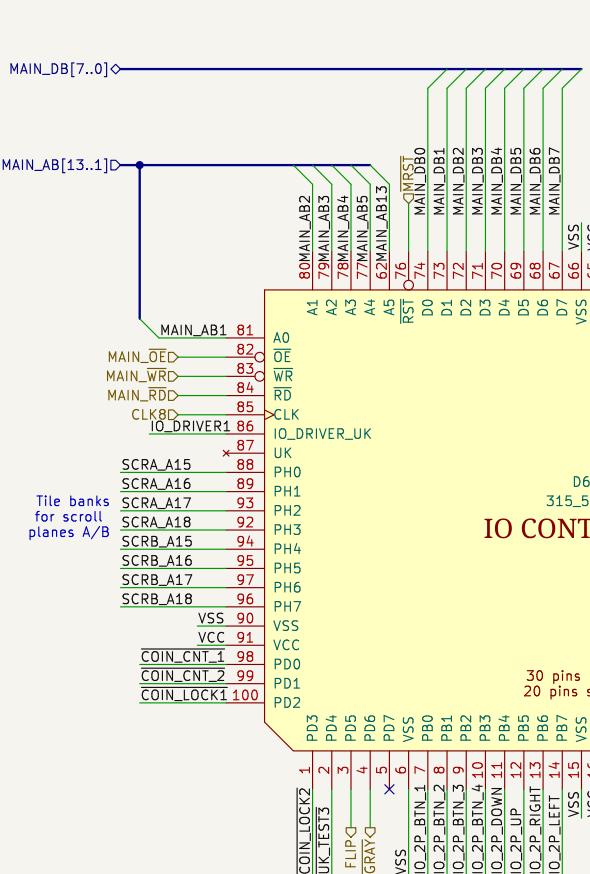
Size: A4 Date: 2022-03-18
KiCad E.D.A. 8.0.4



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Id: 18/26

MOTHER AND DAUGHTER PCB CONNECTORS

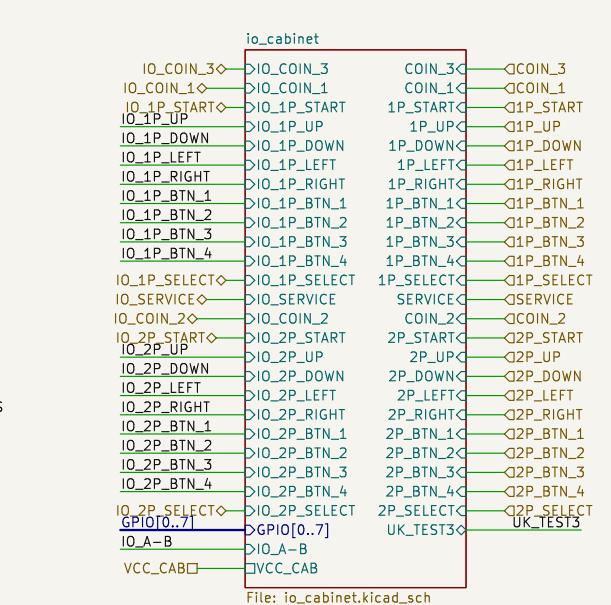
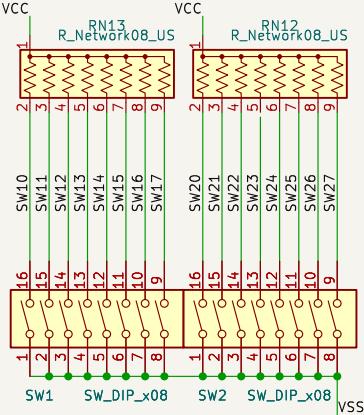




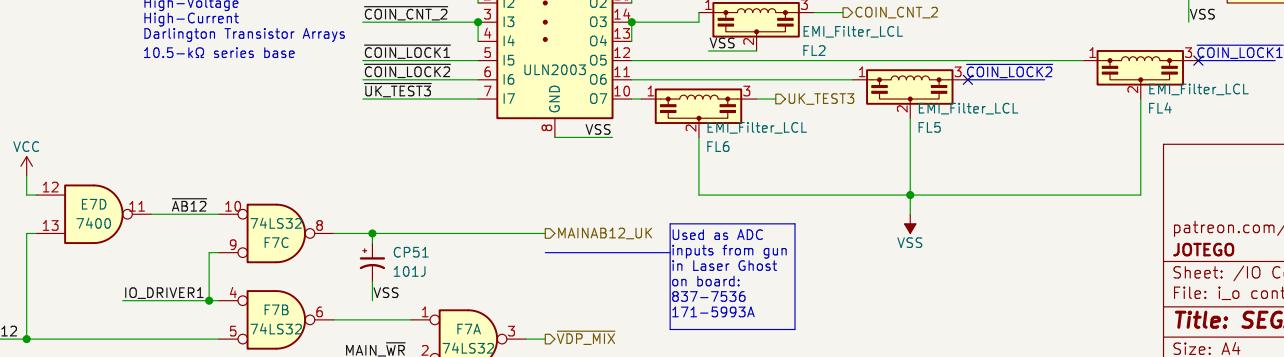
30 pins long side
20 pins short side

TO THIRD PLAYER CONNECTOR
GENERAL PURPOSE I/O

Signals that reach connector 8, for the third player. Consult sheet IO_CABINET



File: io_cabinet.kicad_sch



Sheet: /IO Controller/
File: i_o_controller.kicad_sch

Title: SEGA System 18 MODEL 837-7178

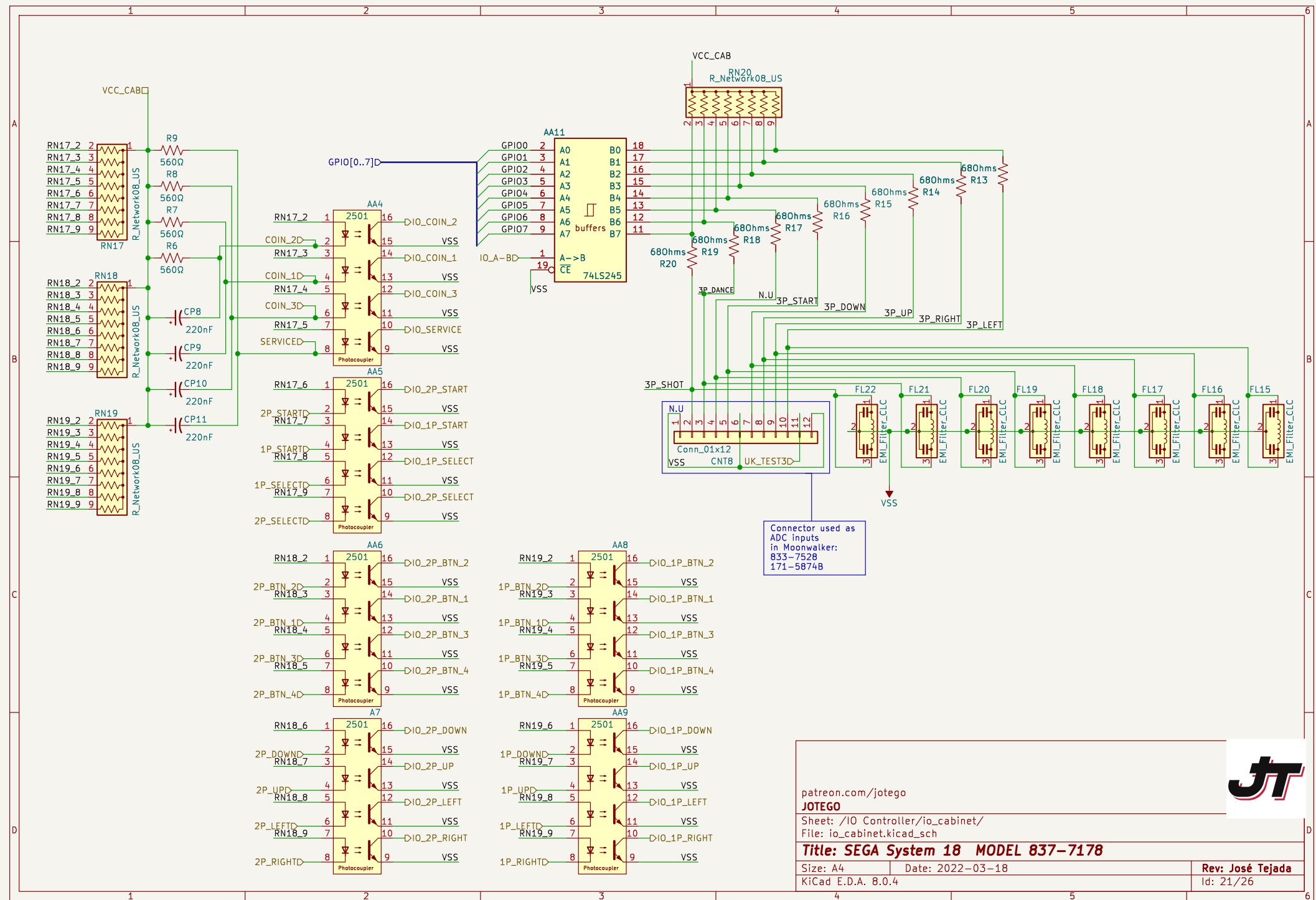
Size: A4 Date: 2022-03-18

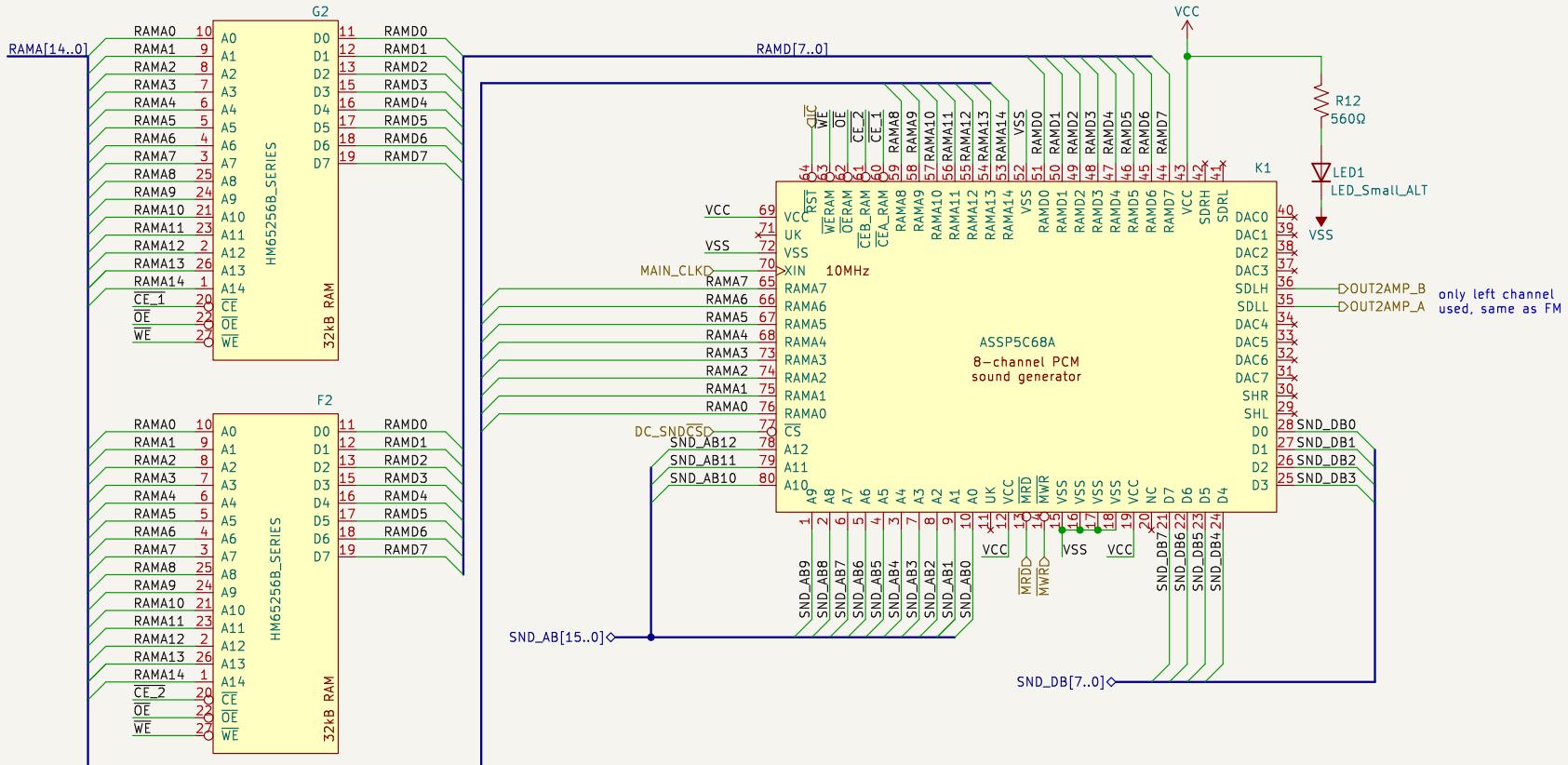
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PCM sound generator

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Sheet: /Sound/PCM/

File: comm_snd.kicad_sch

Title: SEGA System 18 MODEL 837-7178

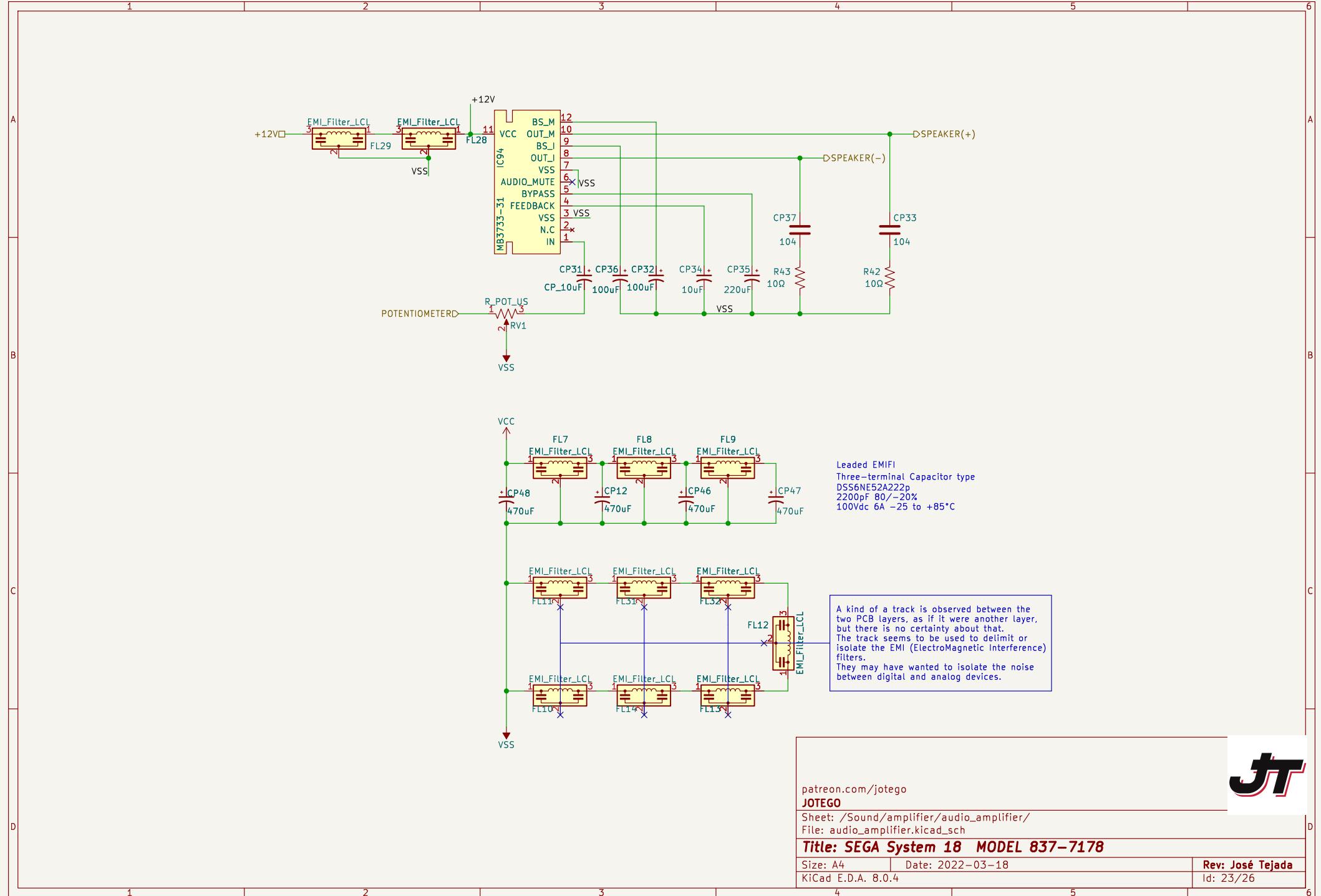
Size: A4 Date: 2022-03-18

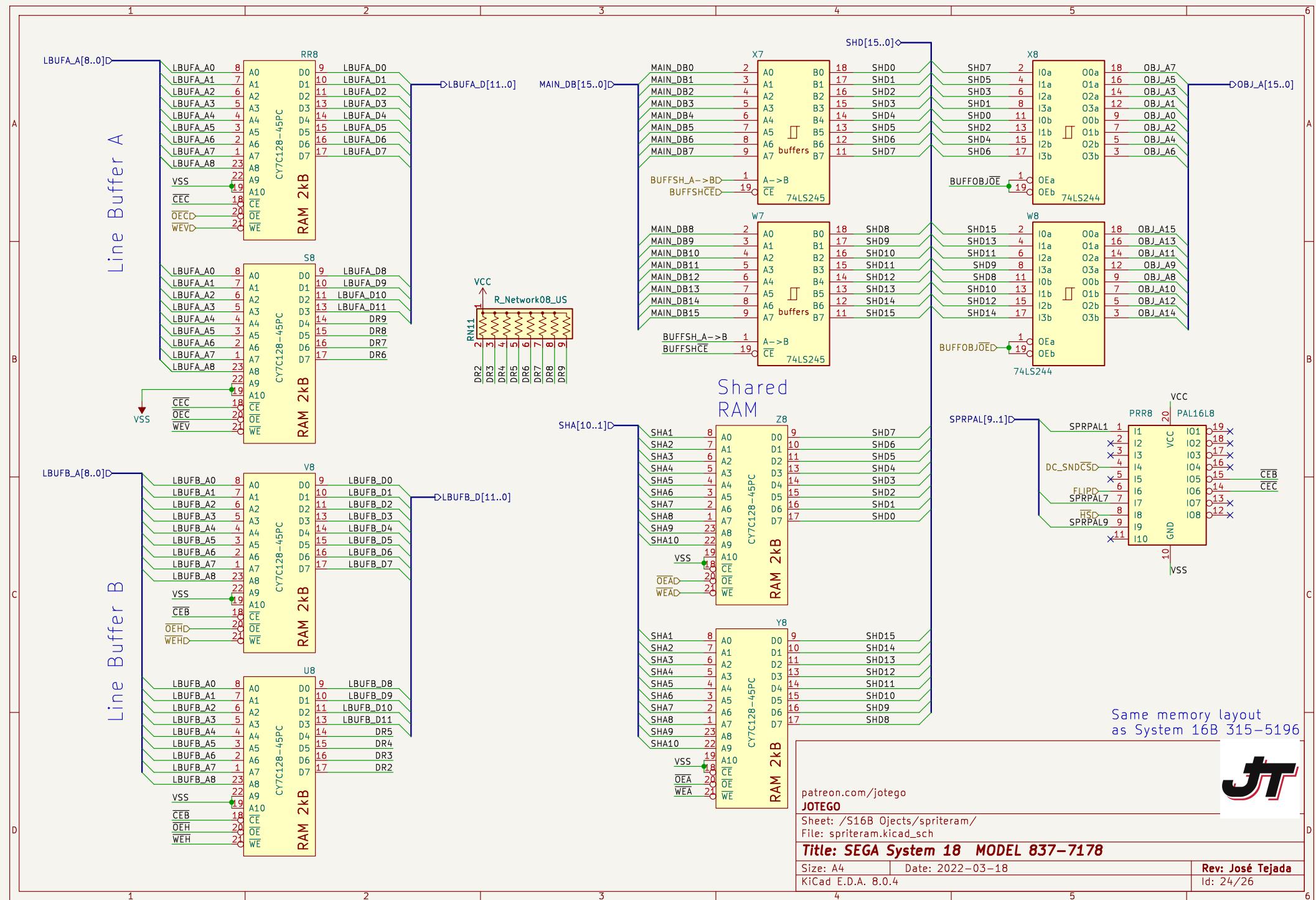
KiCad E.D.A. 8.0.4

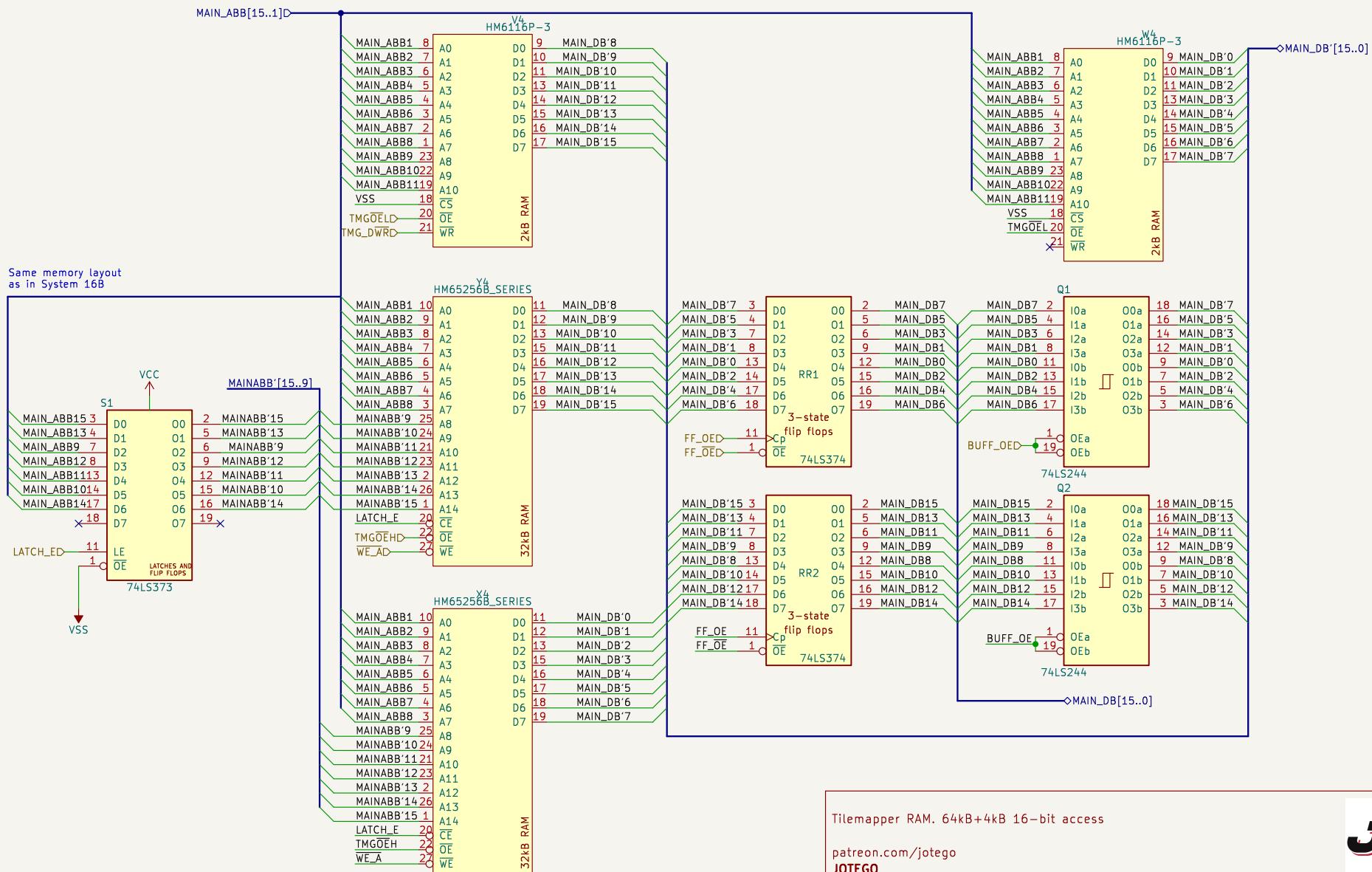


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Tilemapper RAM. 64kB+4kB 16-bit access

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JOTEGO

Sheet: /S16B_Scroll/tilemapg_ram/
File: tilemapg_ram.kicad_sch

Title: SEGA System 18 MODEL 837-7178

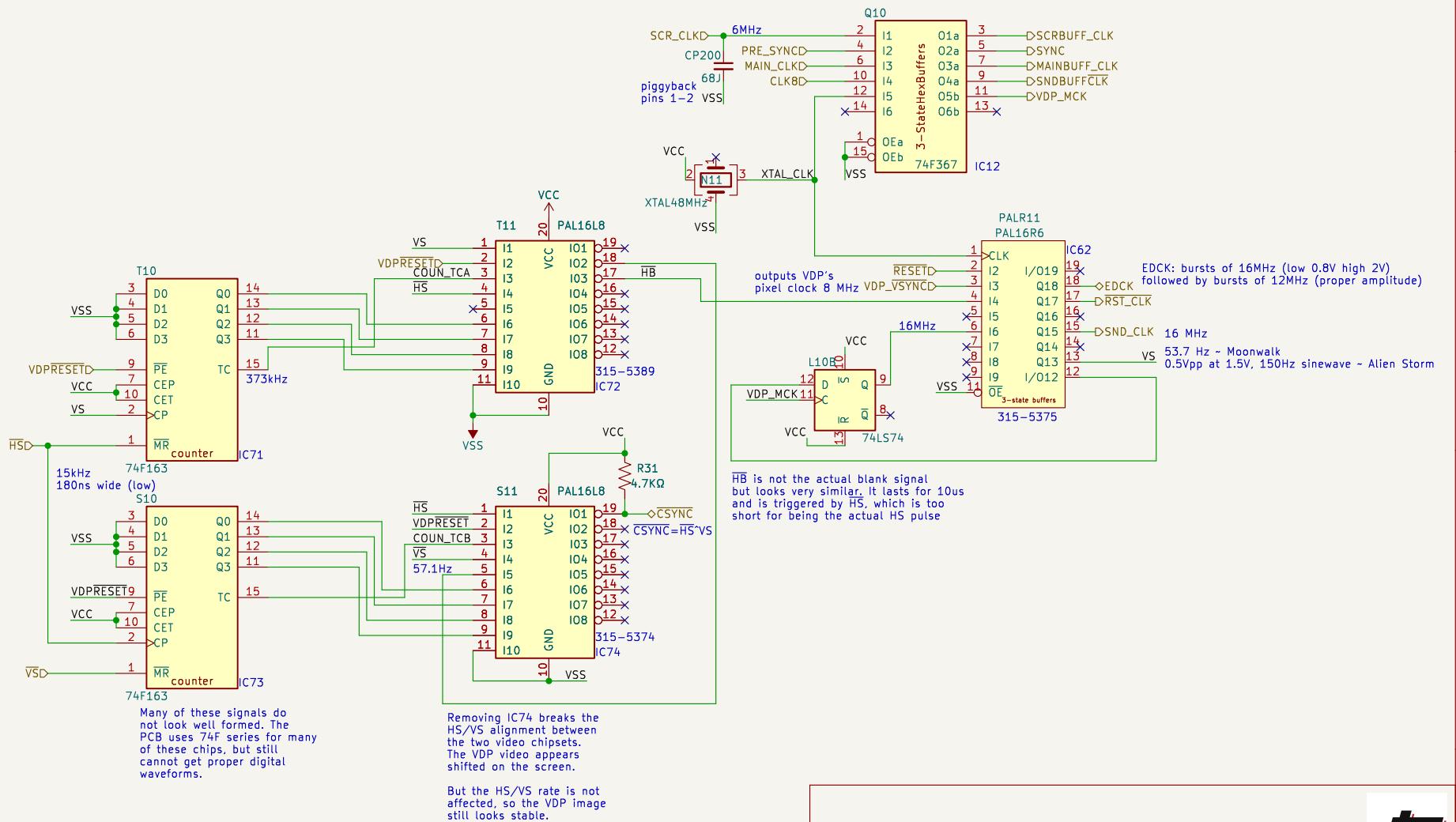
Size: A4 Date: 2022-03-18

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VDP pixel clock and csync generation
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JOTEGO

Sheet: /Video Sync/
 File: buffers.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18
 KiCad E.D.A. 8.0.4



Rev: José Tejada
 Id: 26/26