

A

A

B

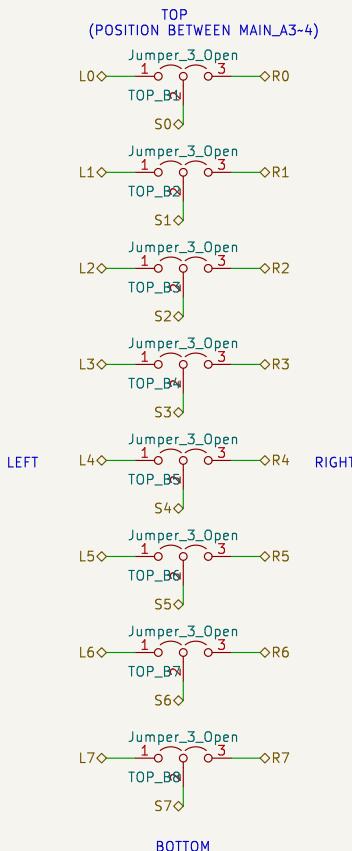
B

C

C

D

D



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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. 8.0.6

Rev: José Tejada

Id: 3/26

A

A

B

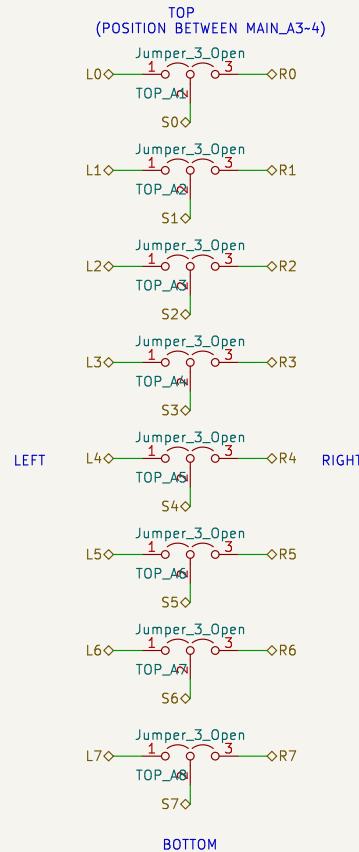
B

C

C

D

D


[patreon.com/jotego](https://patreon.com/jotego)
**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. 8.0.6


**Rev: José Tejada**

Id: 4/26

A

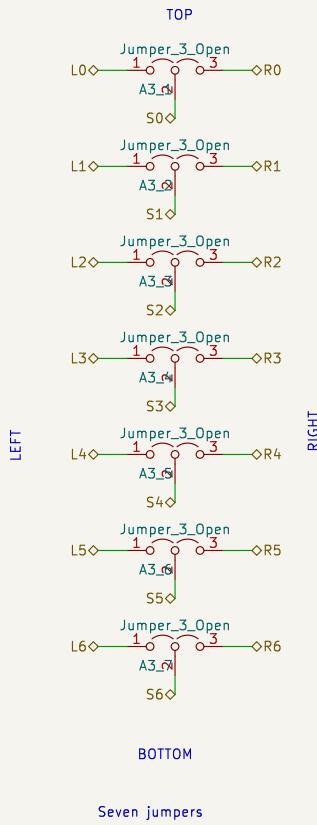
A

B

B

C

C



# Title: SEGA System 18 MODEL 837-7178

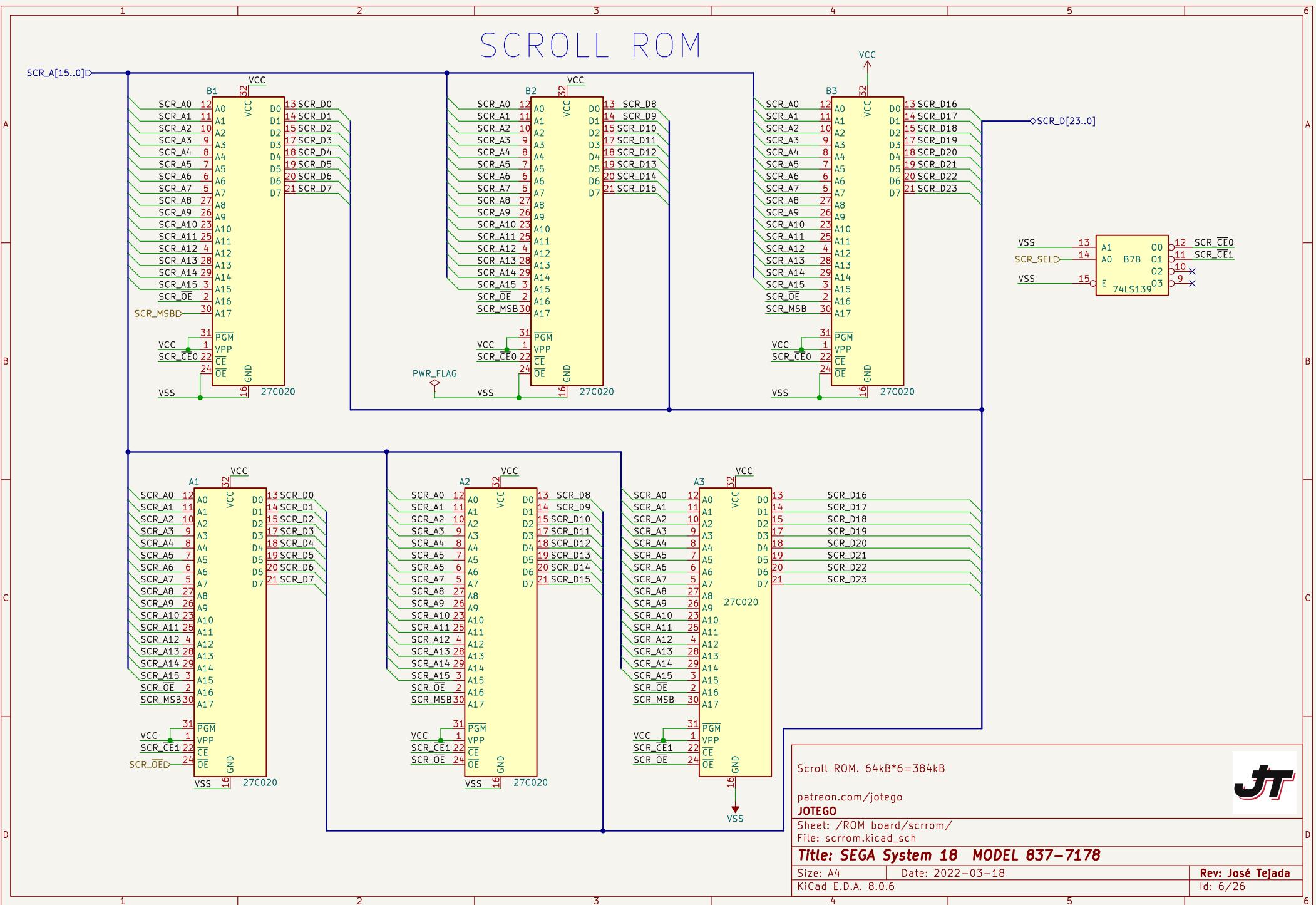
Size: A4 Date: 2022-03-18

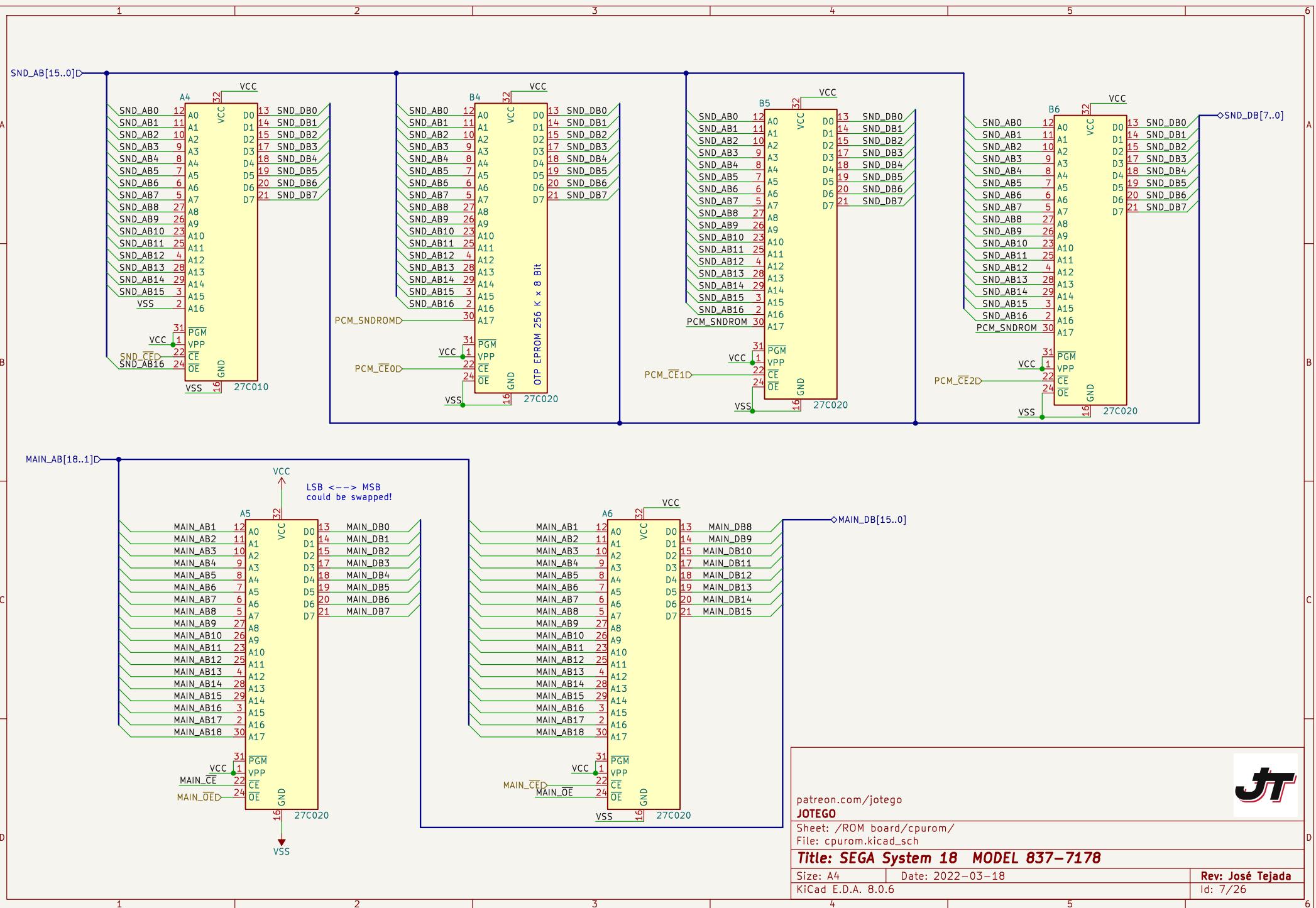
KiCad E.D.A. 8.0.6

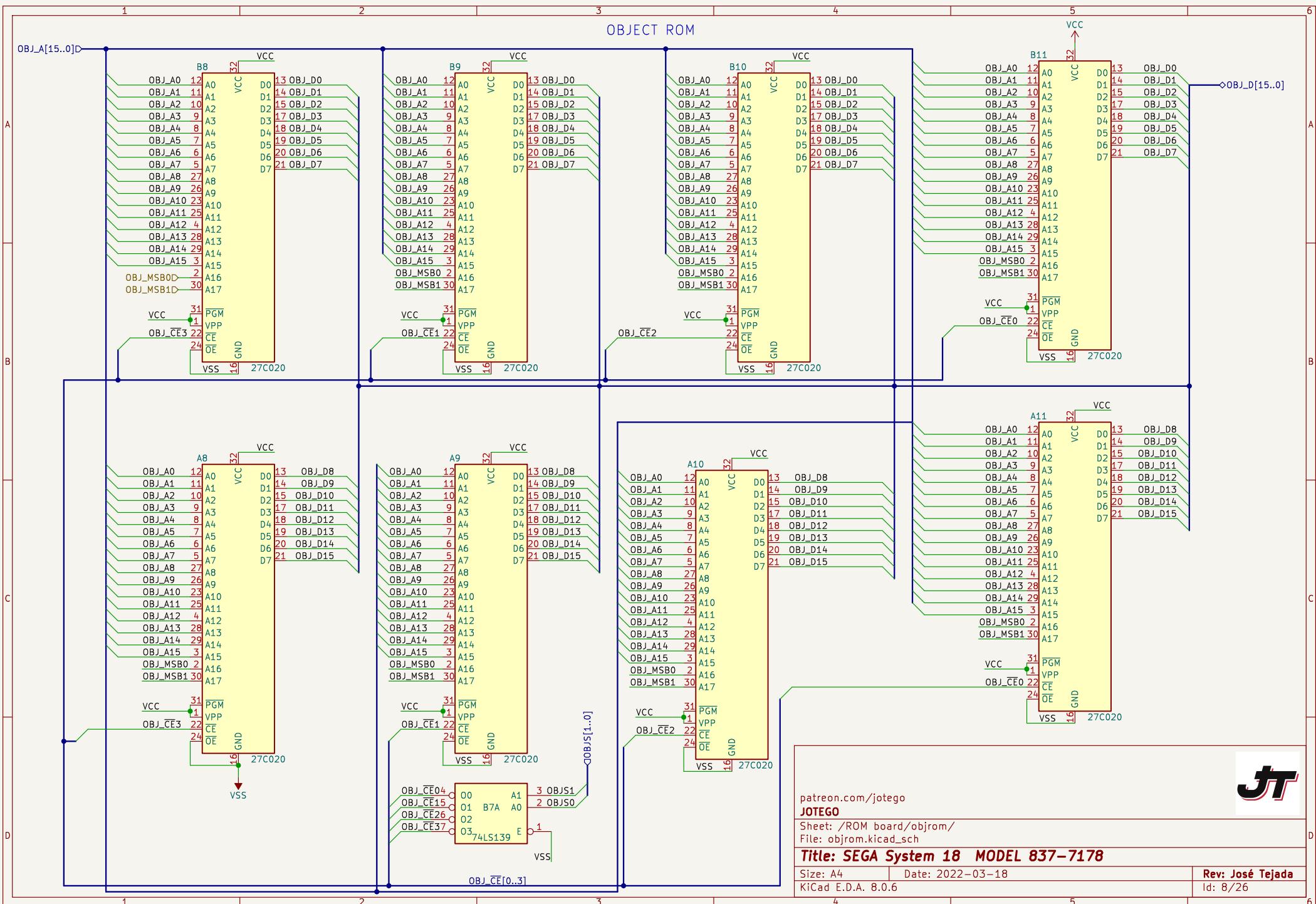
Rev: José Tejada

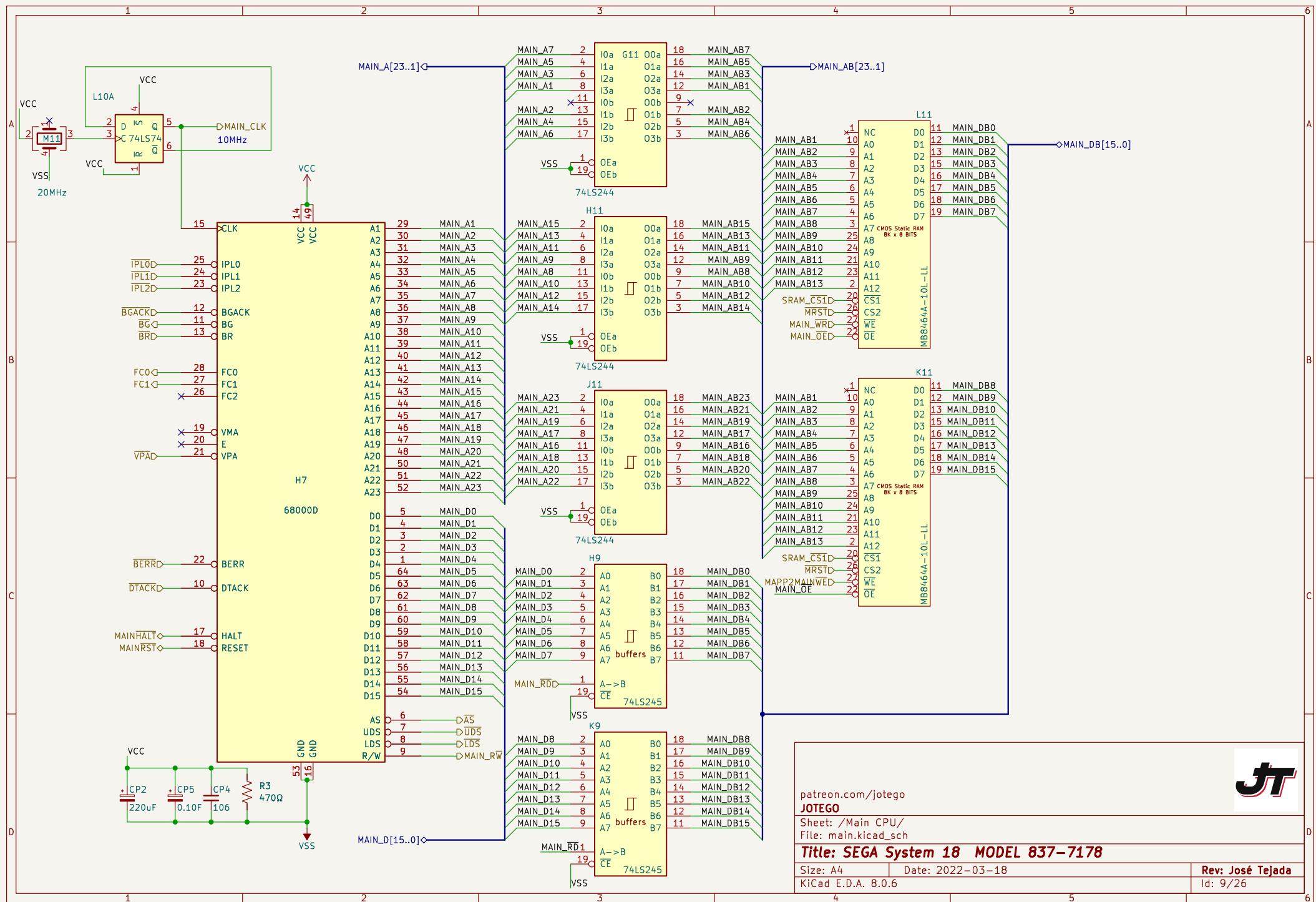
Id: 5/26

# SCROLL ROM









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JOTEGO

Sheet: /Main CPU/  
File: main.kicad\_sch

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

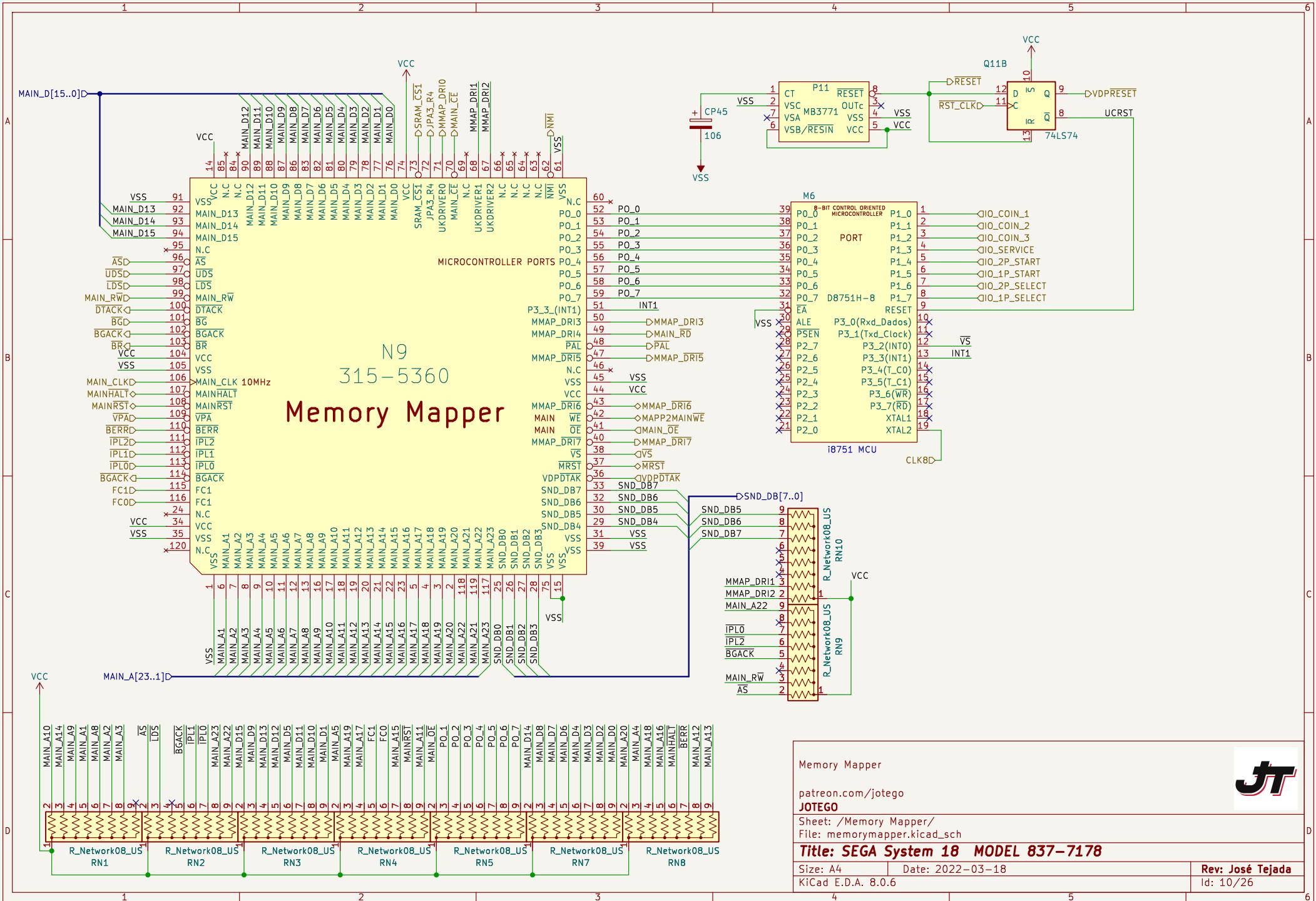
Size: A4 Date: 2022-03-18

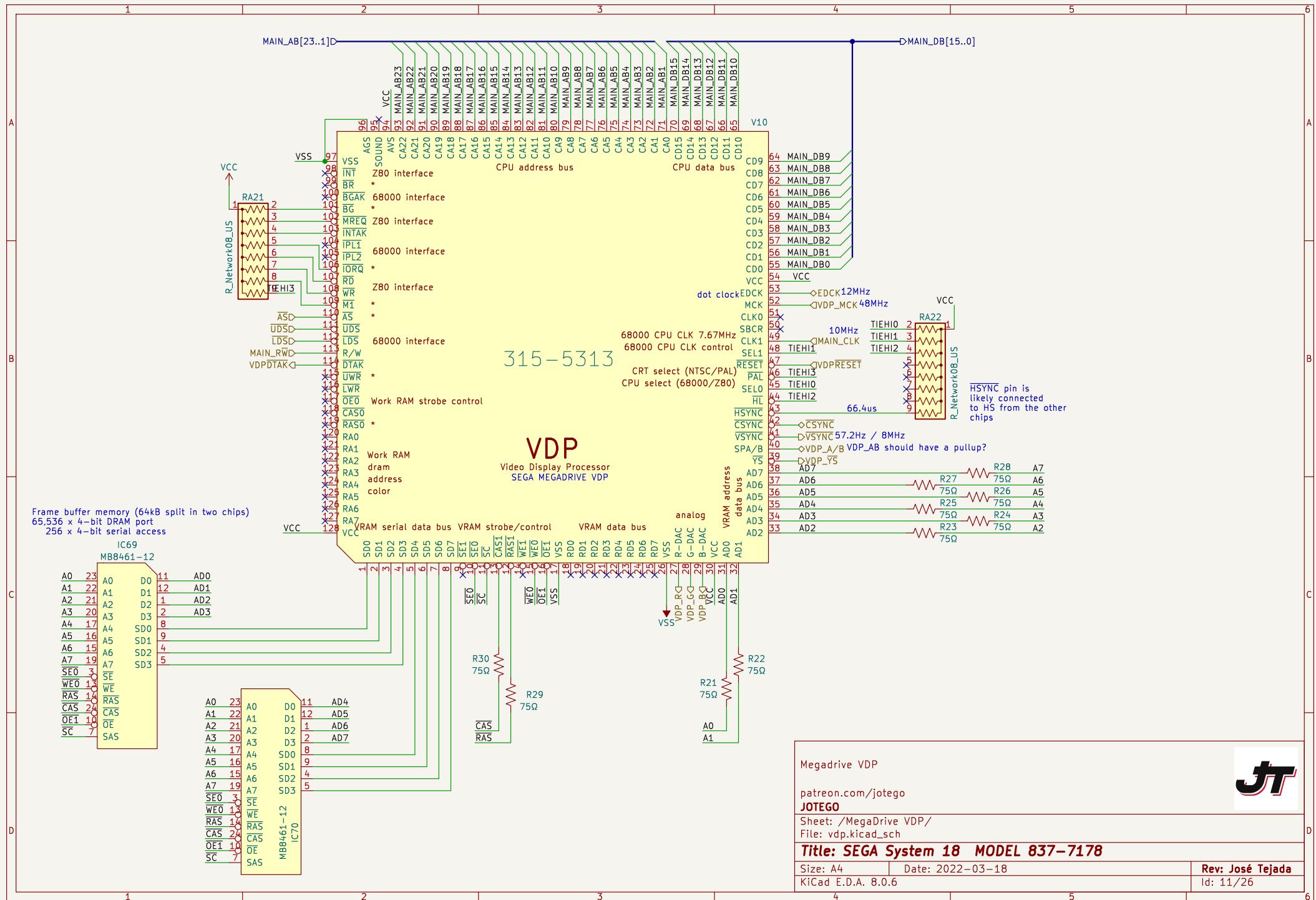
KiCad E.D.A. 8.0.6

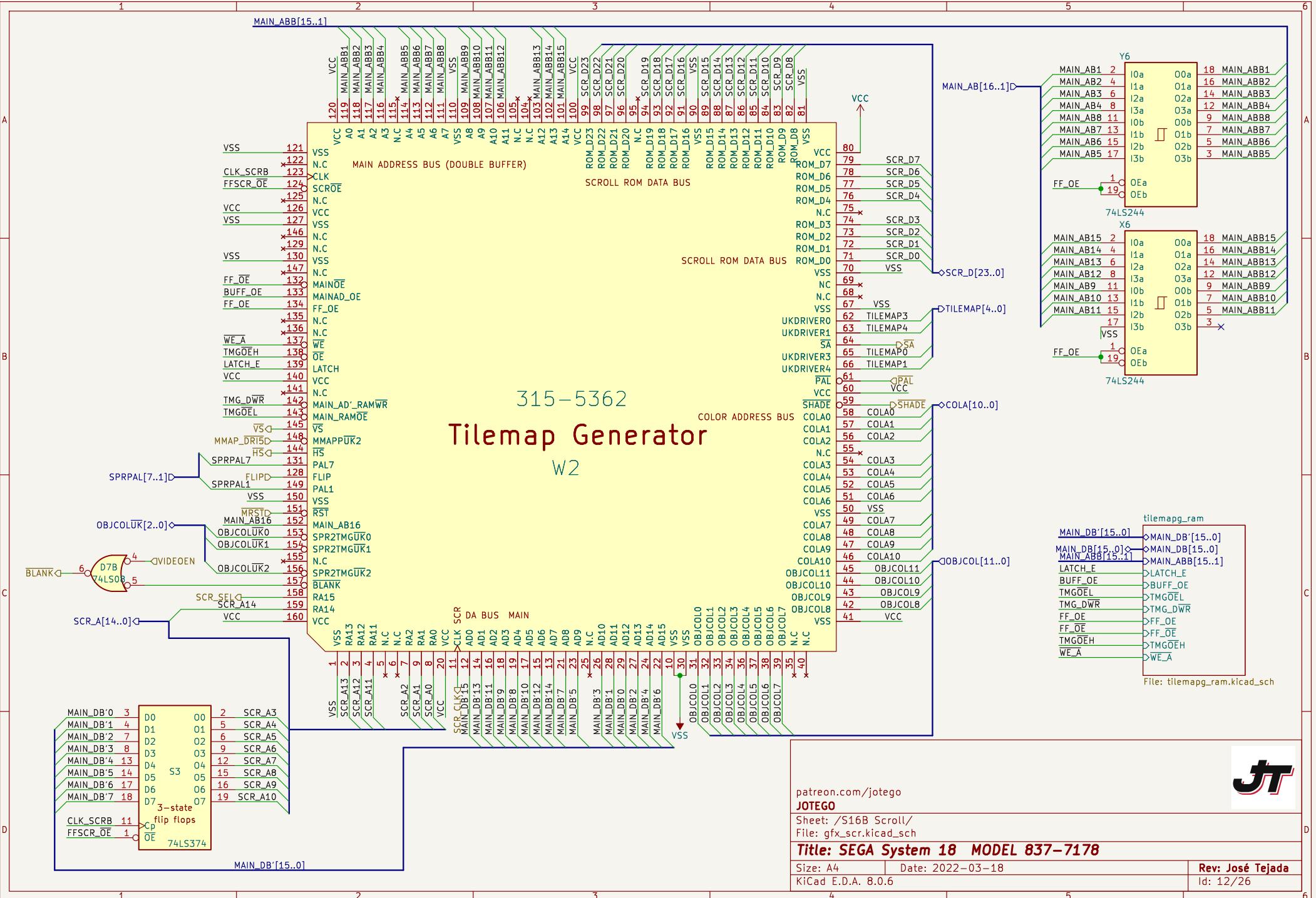


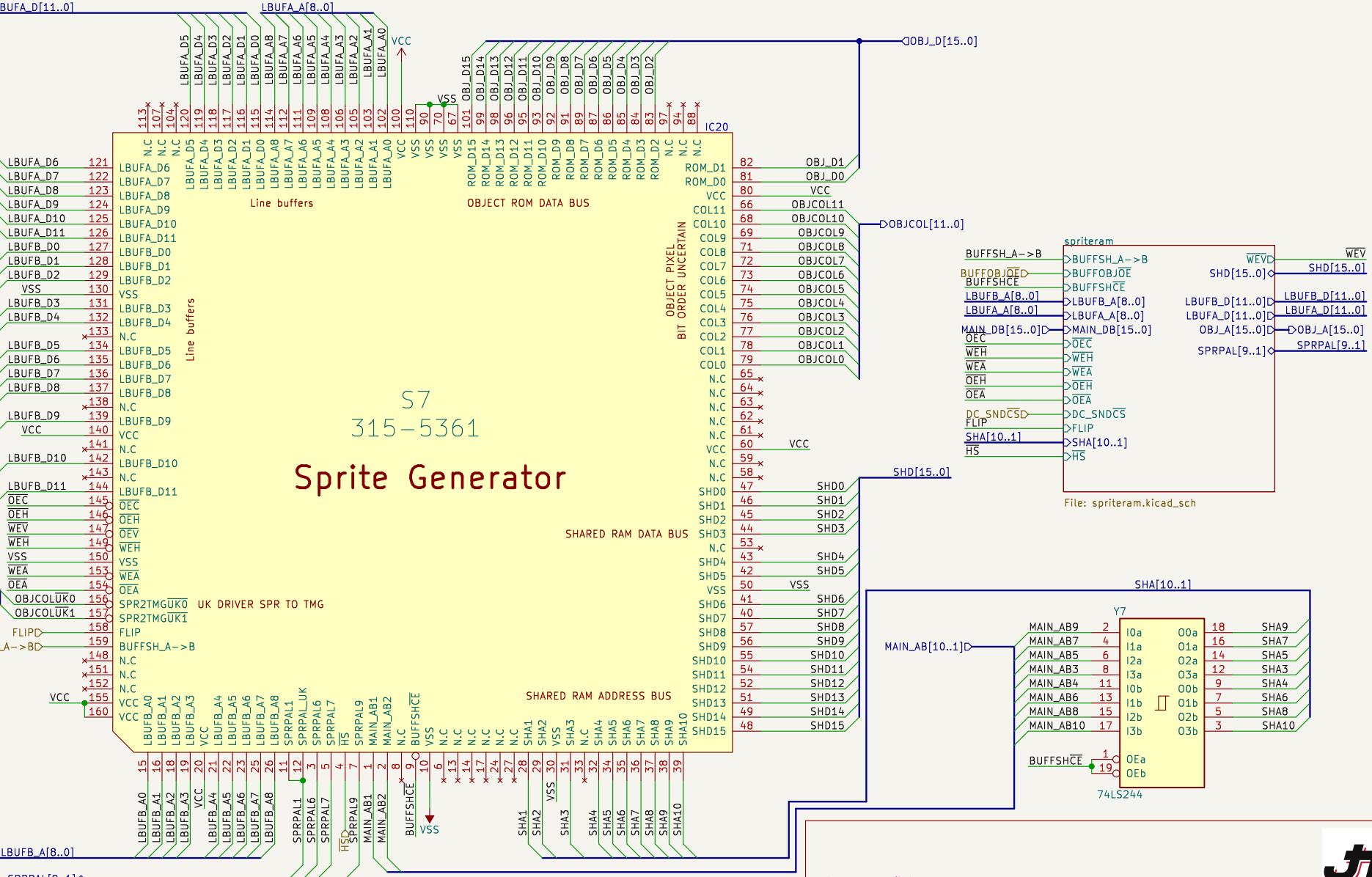
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Id: 9/26









## Sprite Generator

S7

315-5361

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**JOTEGO**

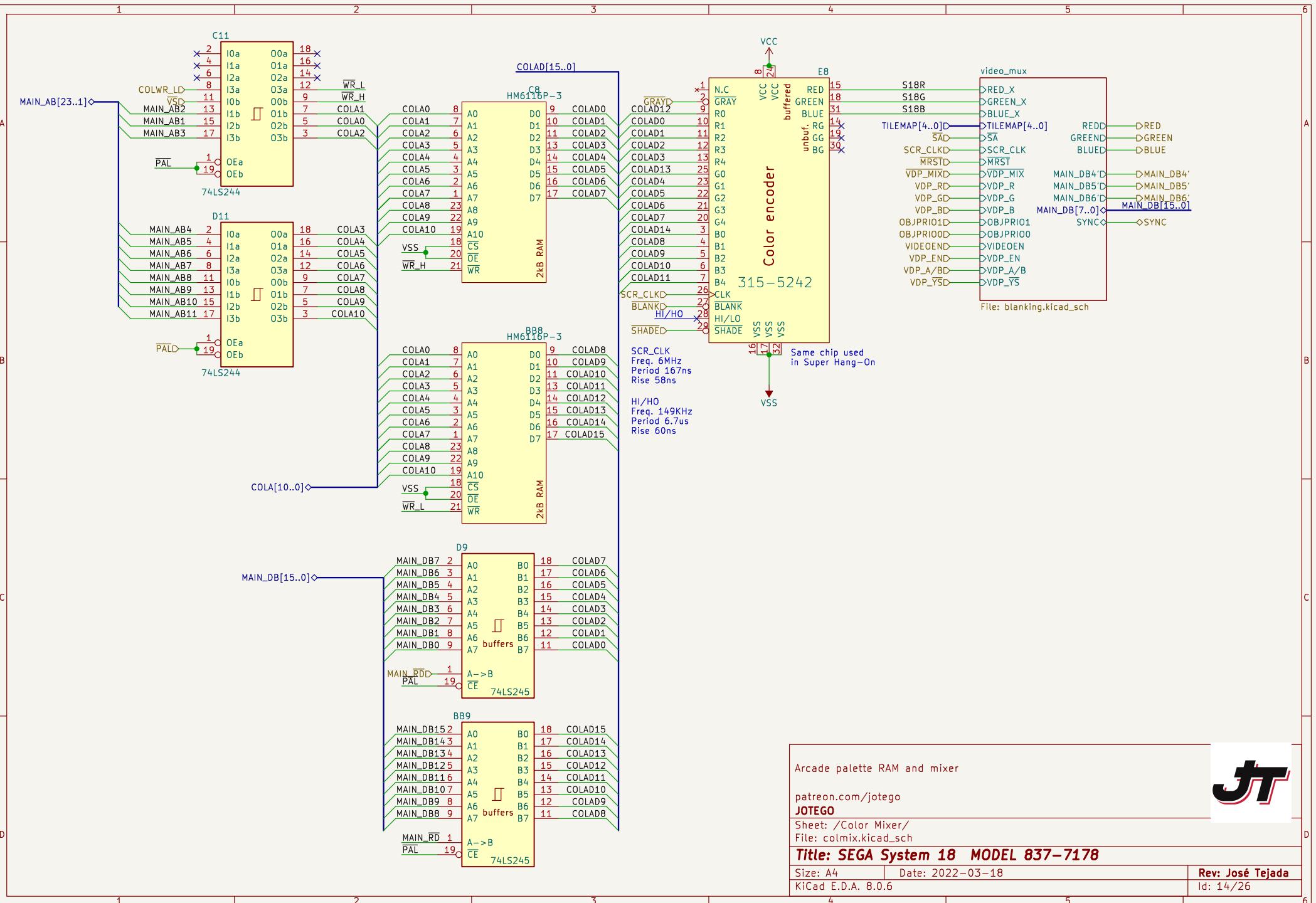
Sheet: /S16B Objects/  
 File: gfx\_obj.kicad\_sch

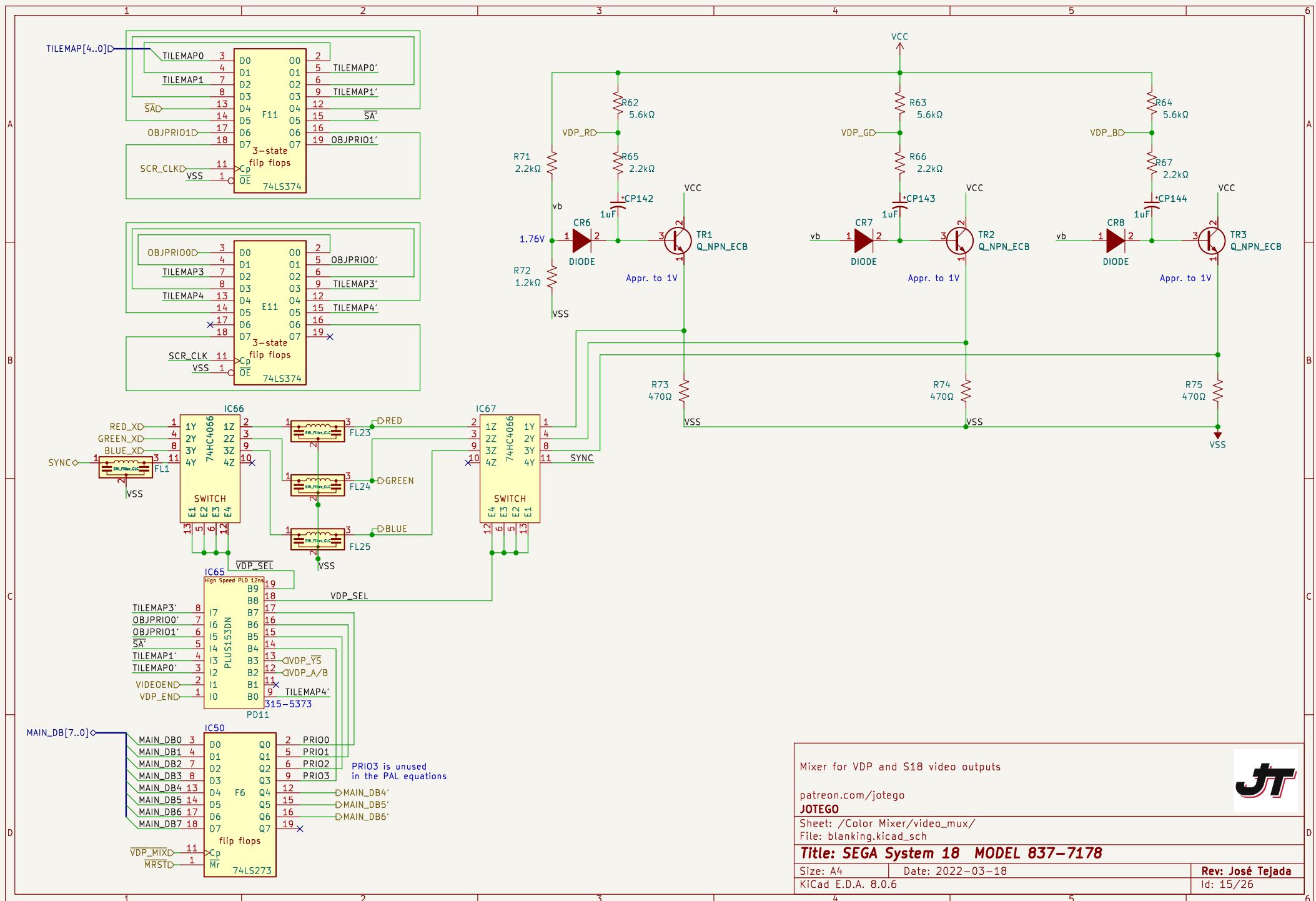
**Title: SEGA System 18 MODEL 837-7178**

Size: A4 Date: 2022-03-18  
 KiCad E.D.A. 8.0.6

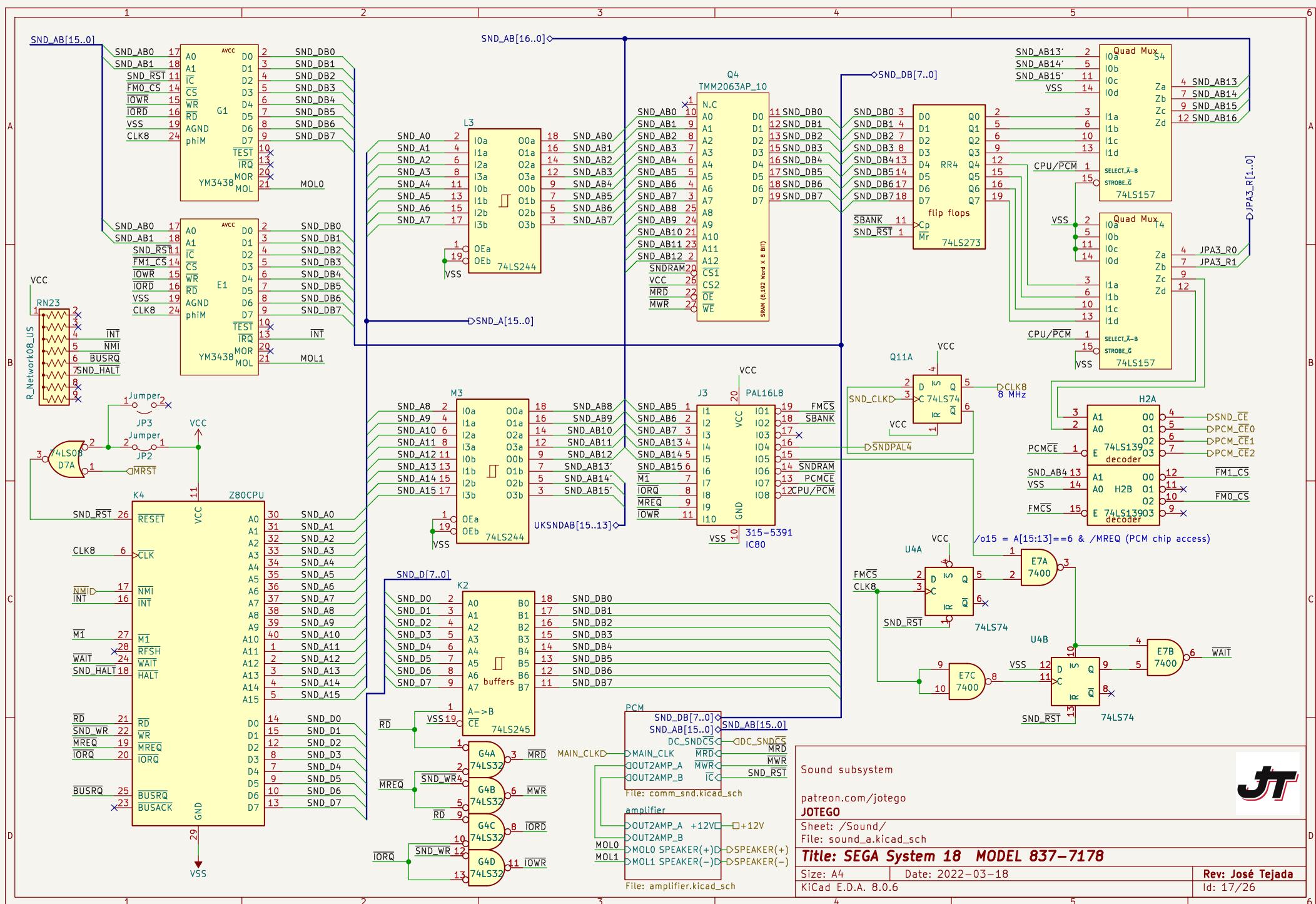


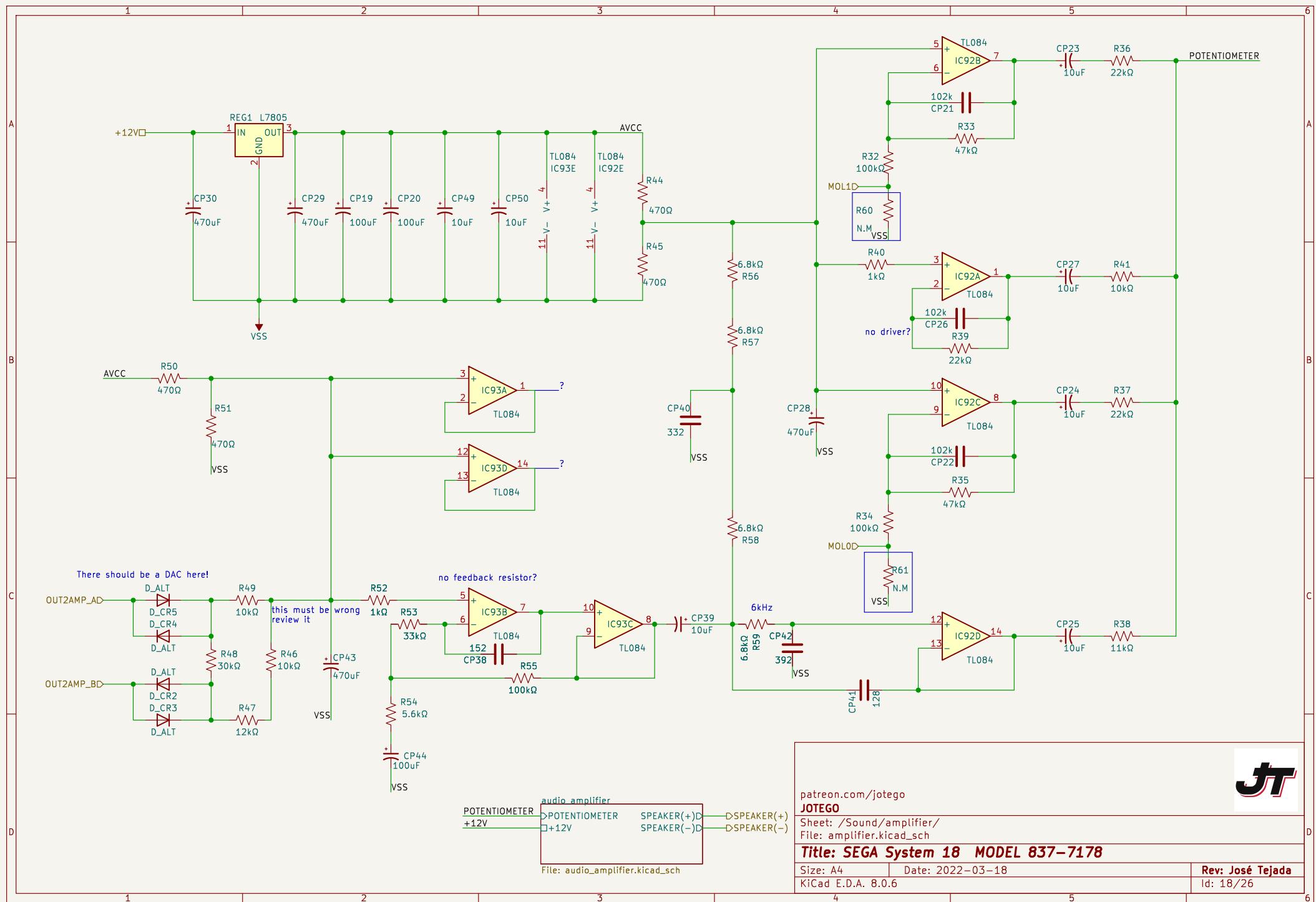
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 Id: 13/26











JT

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JOTEGO

Sheet: /Sound/amplifier/

File: amplifier.kicad\_sch

Title: SEGA System 18 MODEL 837-7178

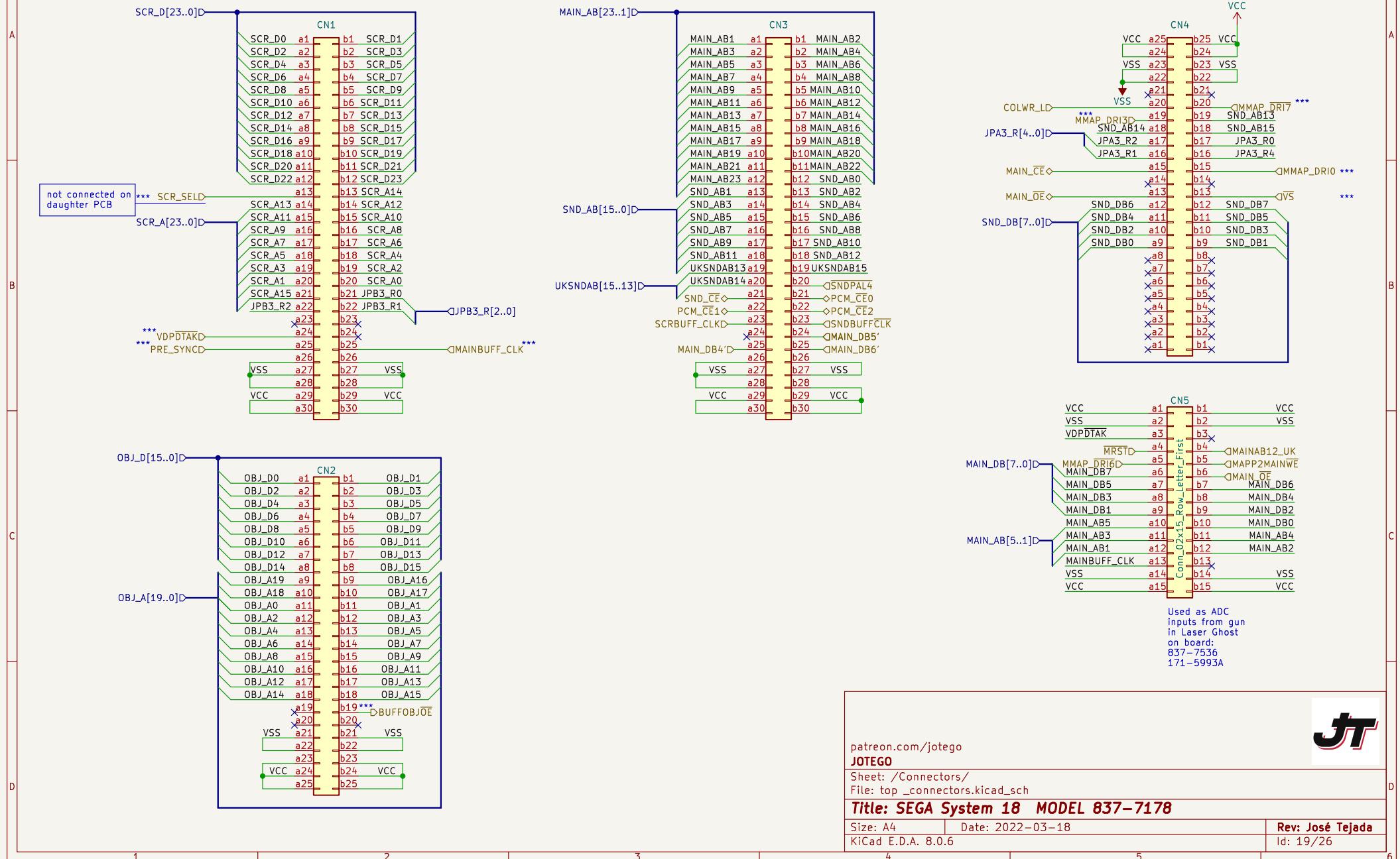
Size: A4 Date: 2022-03-18

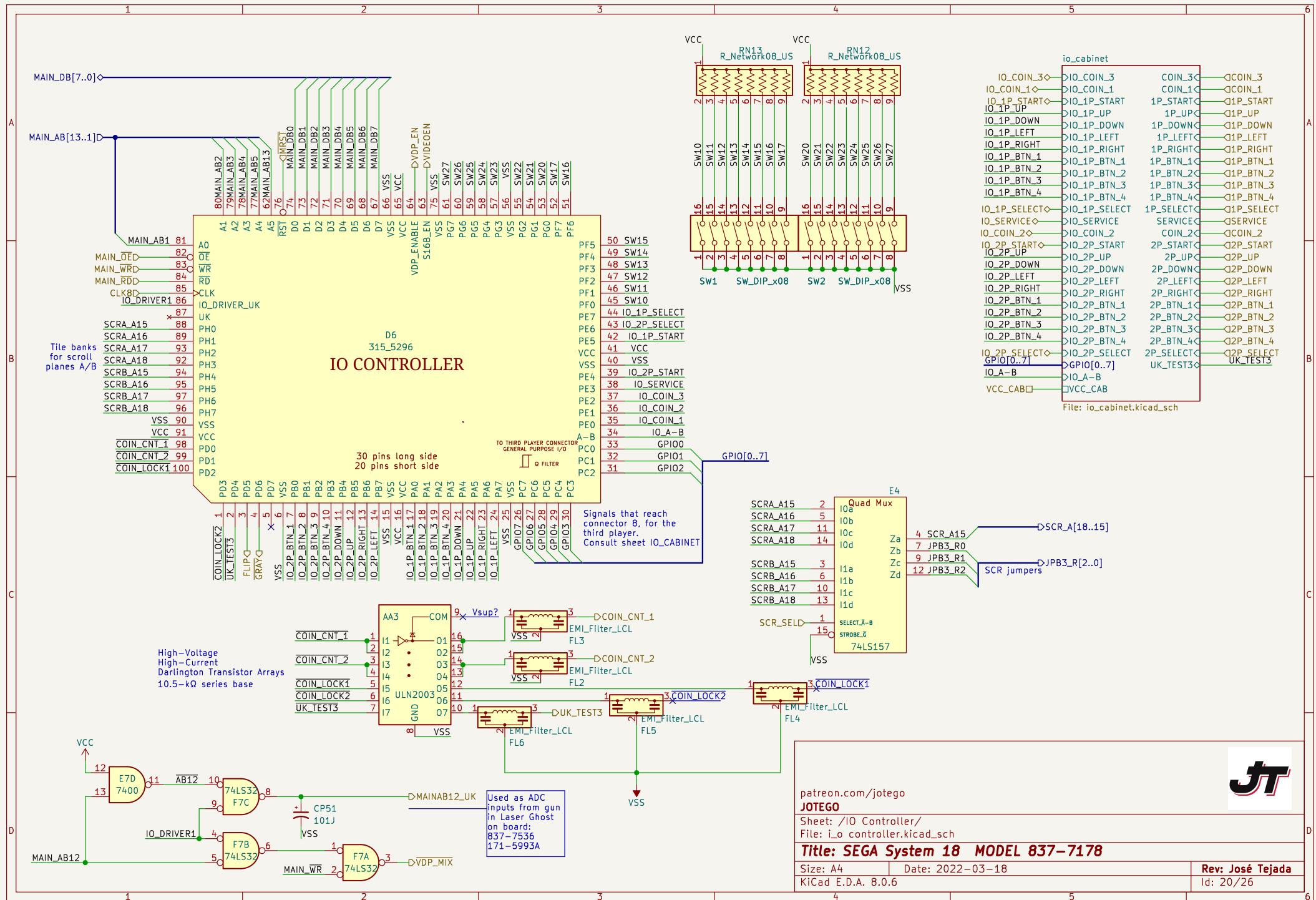
KiCad E.D.A. 8.0.6

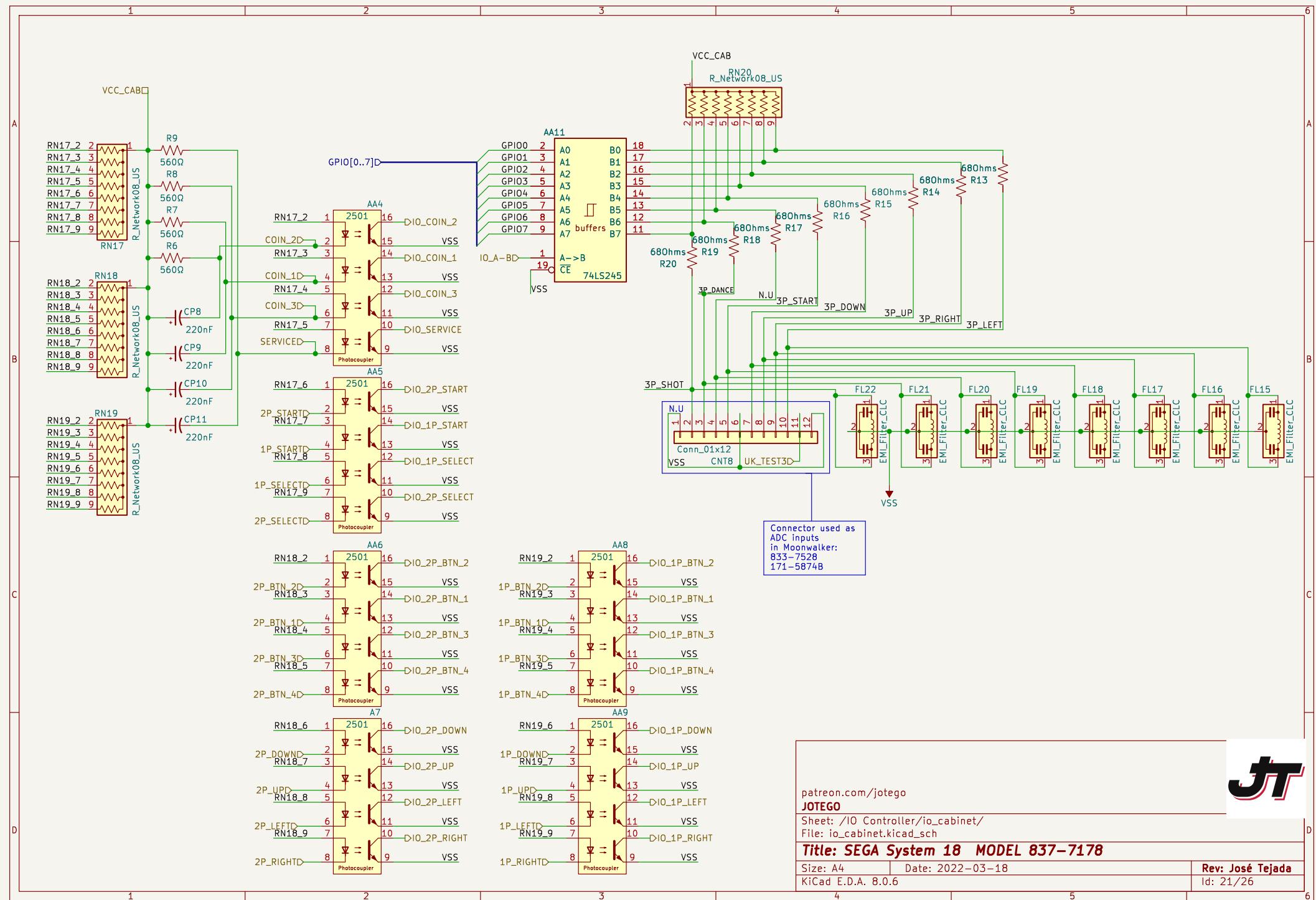
Rev: José Tejada

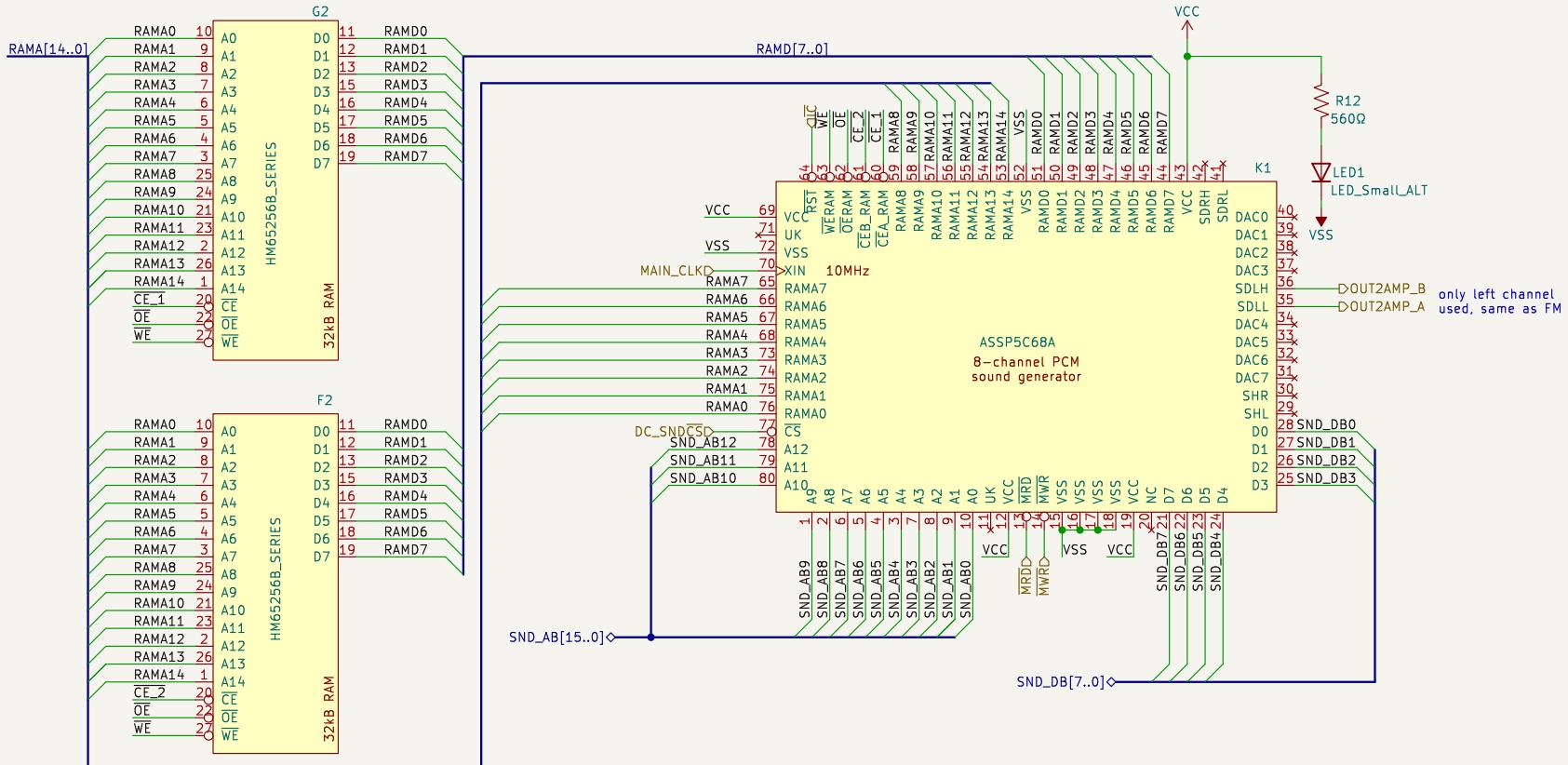
Id: 18/26

# MOTHER AND DAUGHTER PCB CONNECTORS









## PCM sound generator

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Sheet: /Sound/PCM/

File: comm\_snd.kicad\_sch

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

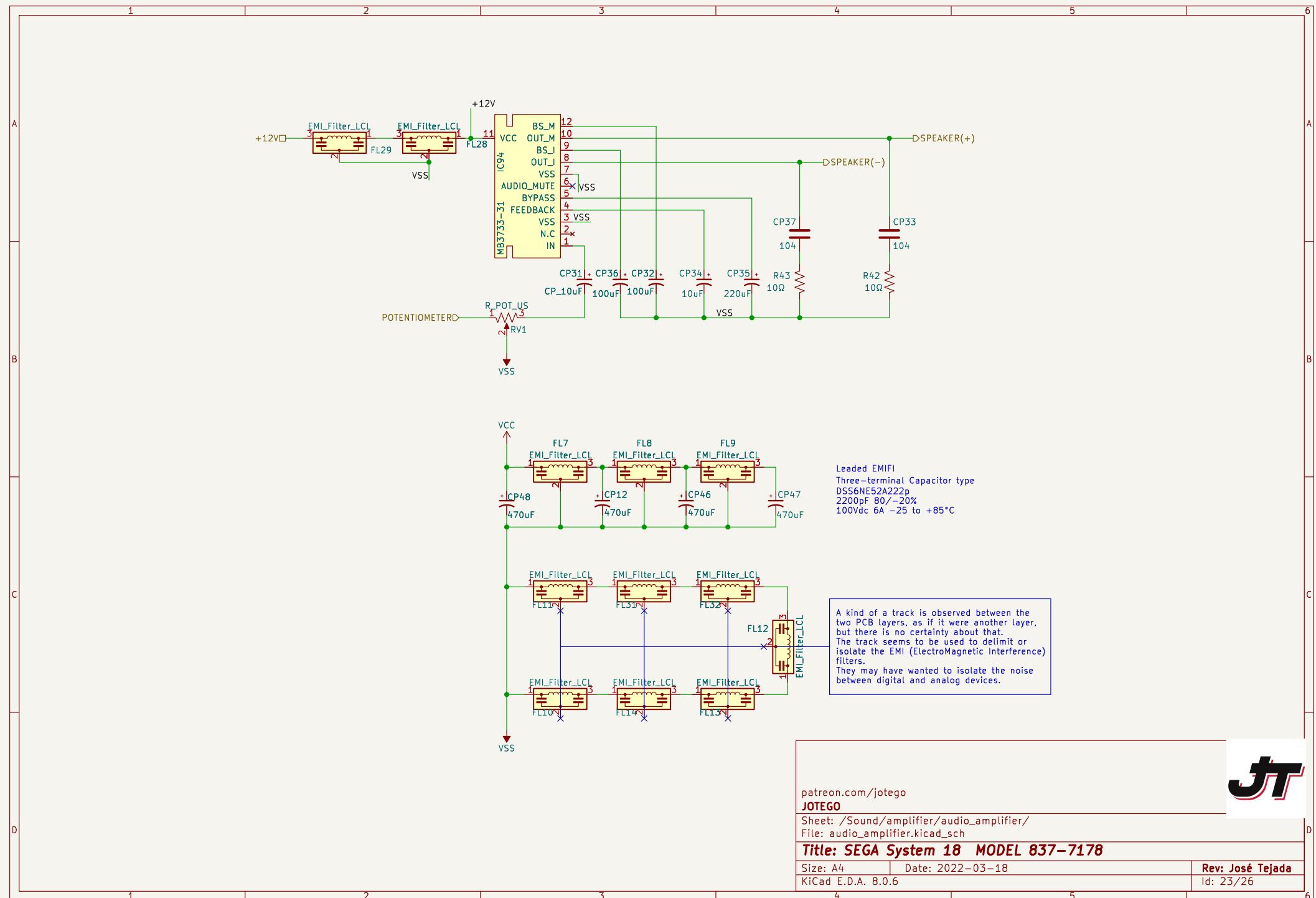
Size: A4 Date: 2022-03-18

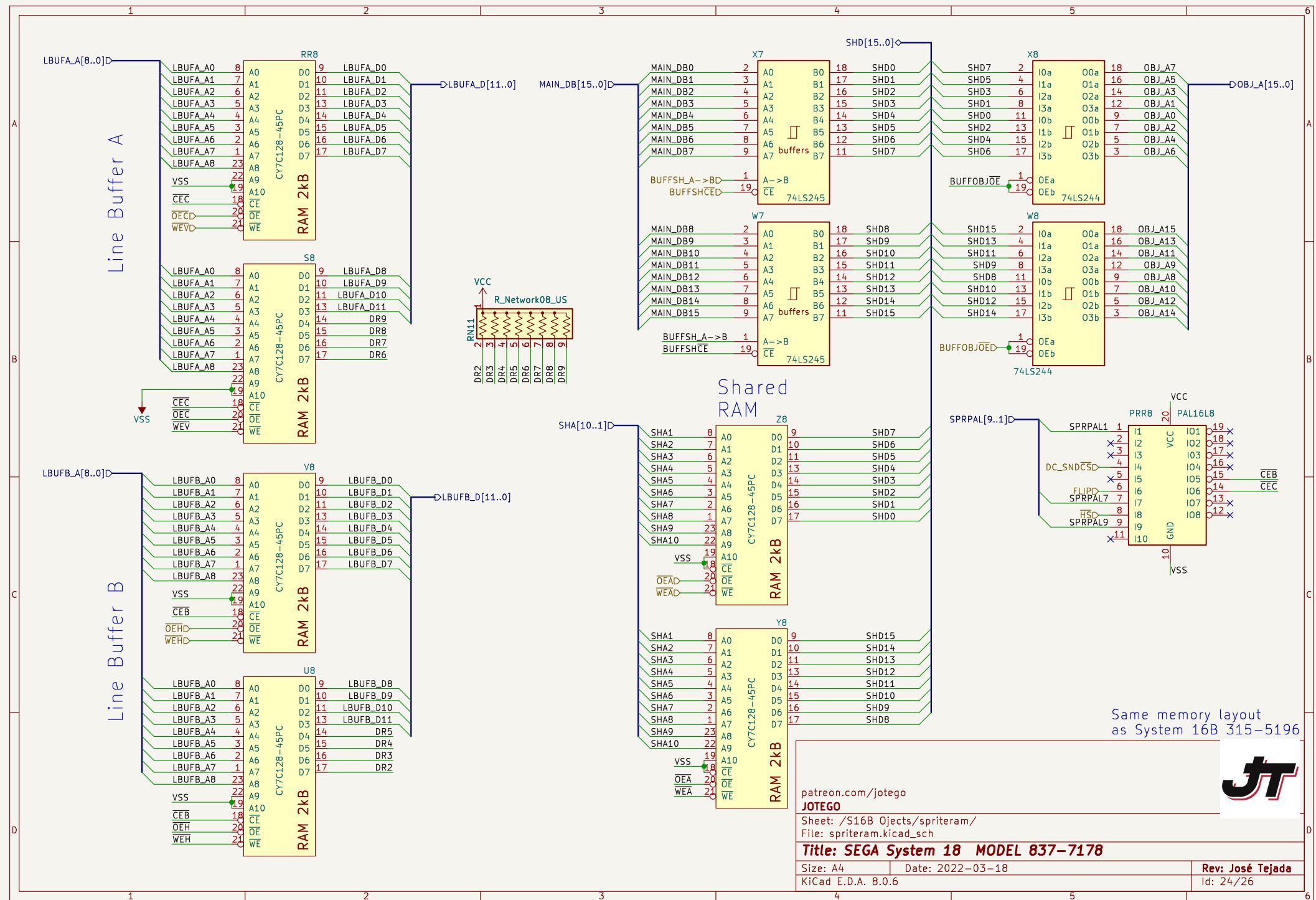
KiCad E.D.A. 8.0.6



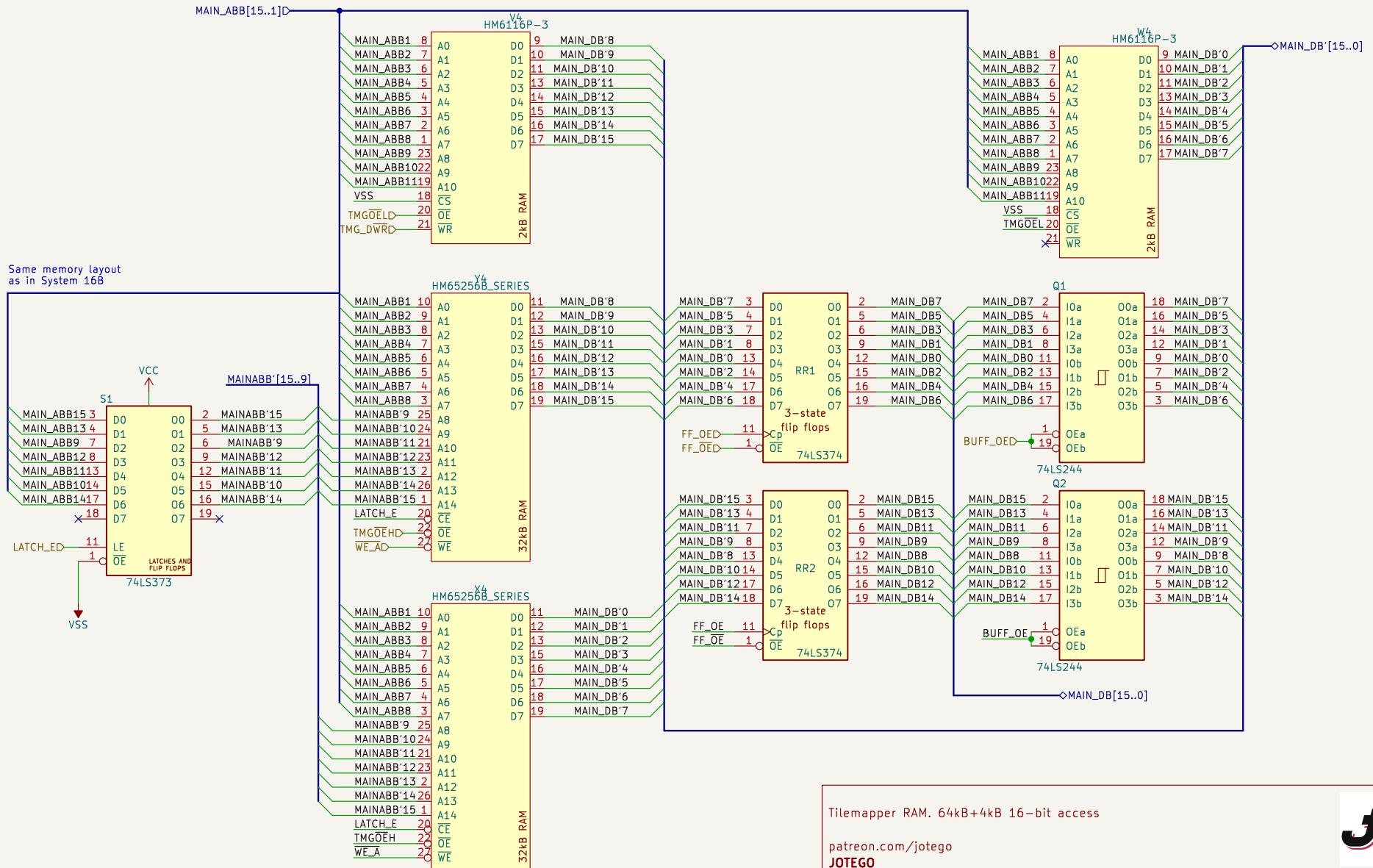
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Id: 22/26





1 2 3 4 5 6



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

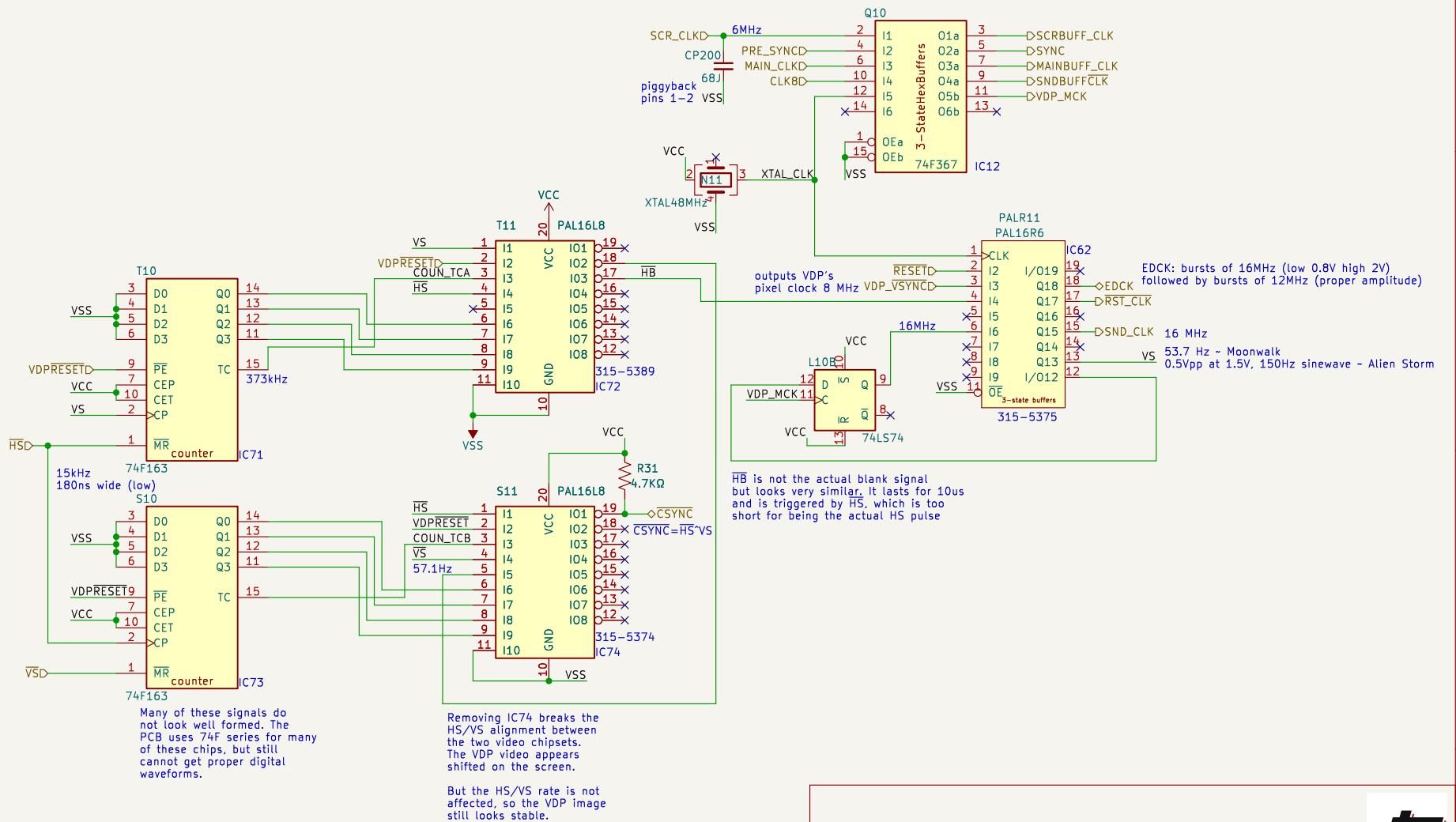
KiCad E.D.A. 8.0.6



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Id: 25/26

1 2 3 4 5 6



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. 8.0.6



Rev: José Tejada  
 Id: 26/26