

A

A

B

B

C

C

TOP

(POSITION BETWEEN MAIN_A3-4)

LEFT

RIGHT

Jumper_3_Open
TOP_B1
S0
L0 ◇ 1 2 3 ◇ R0

Jumper_3_Open
TOP_B2
S1 ◇ 1 2 3 ◇ R1

Jumper_3_Open
TOP_B3
S2 ◇ 1 2 3 ◇ R2

Jumper_3_Open
TOP_B4
S3 ◇ 1 2 3 ◇ R3

Jumper_3_Open
TOP_B5
S4 ◇ 1 2 3 ◇ R4

Jumper_3_Open
TOP_B6
S5 ◇ 1 2 3 ◇ R5

Jumper_3_Open
TOP_B7
S6 ◇ 1 2 3 ◇ R6

Jumper_3_Open
TOP_B8
S7 ◇ 1 2 3 ◇ R7

BOTTOM

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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. kicad-cli 7.0.10-7.0.10~ubuntu20.04.1

Rev: José Tejada
Id: 3/26

A

B

C

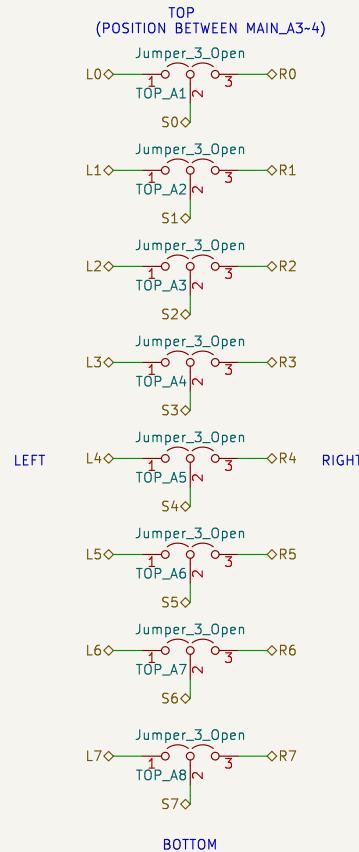
D

A

B

C

D



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JOTEGO

Sheet: /ROM board/sndjumpers/
File: romjp.kicad_sch

Title: SEGA System 18 MODEL 837-7178

KiCad E.D.A. kicad-cli 7.0.10-7.0.10~ubuntu20.04.1

Rev: José Tejada
Id: 4/26

A

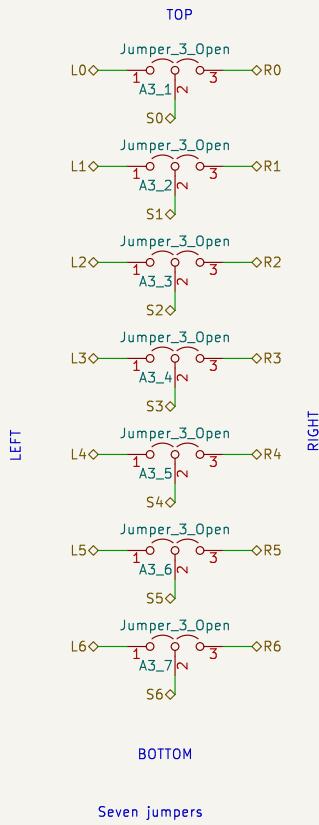
B

C

A

B

C



 JT

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JOTEGO

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

Title: SEGA System 18 MODEL 837-7178

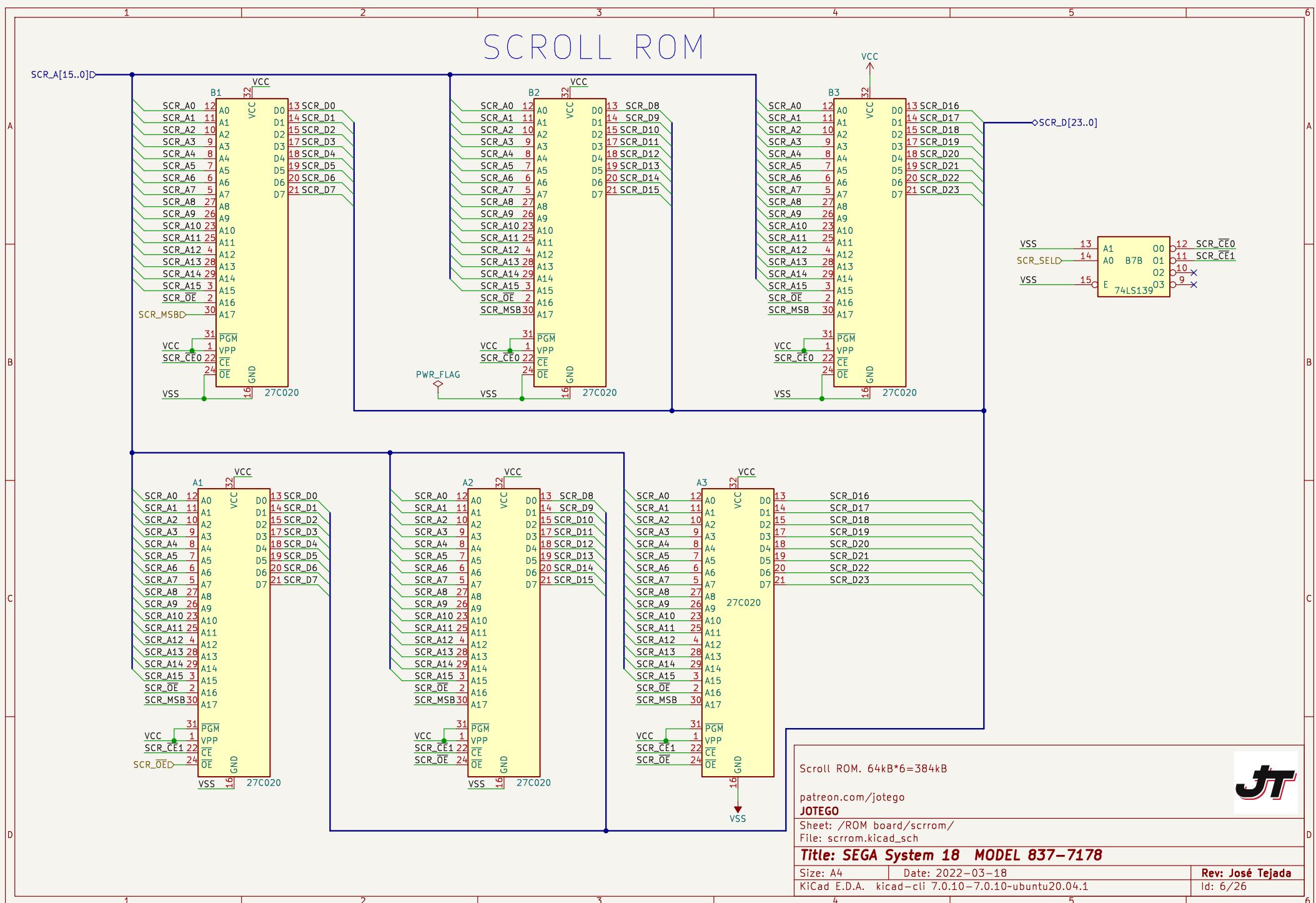
Size: A4 Date: 2022-03-18

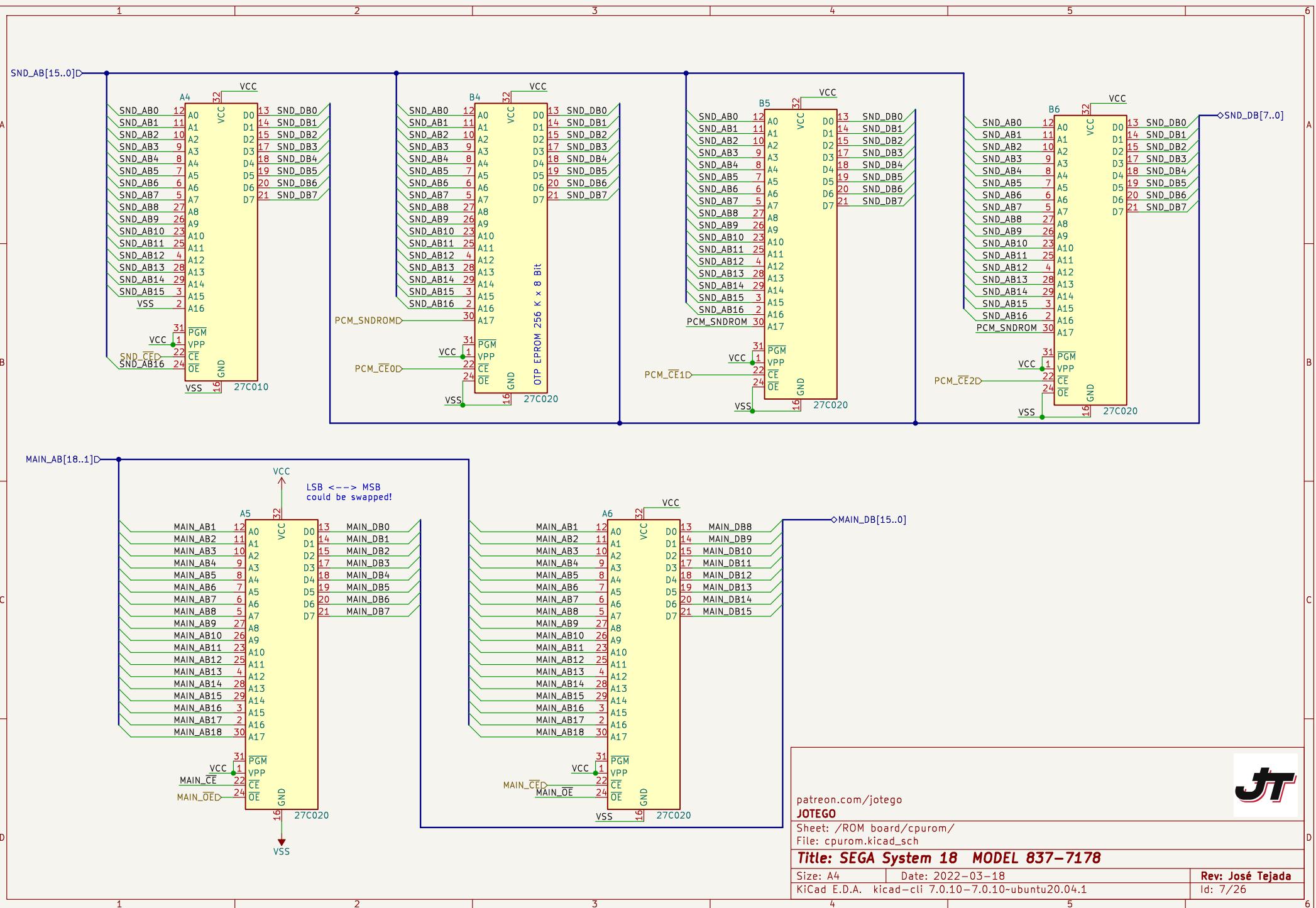
KiCad E.D.A. kicad-cli 7.0.10-7.0.10~ubuntu20.04.1

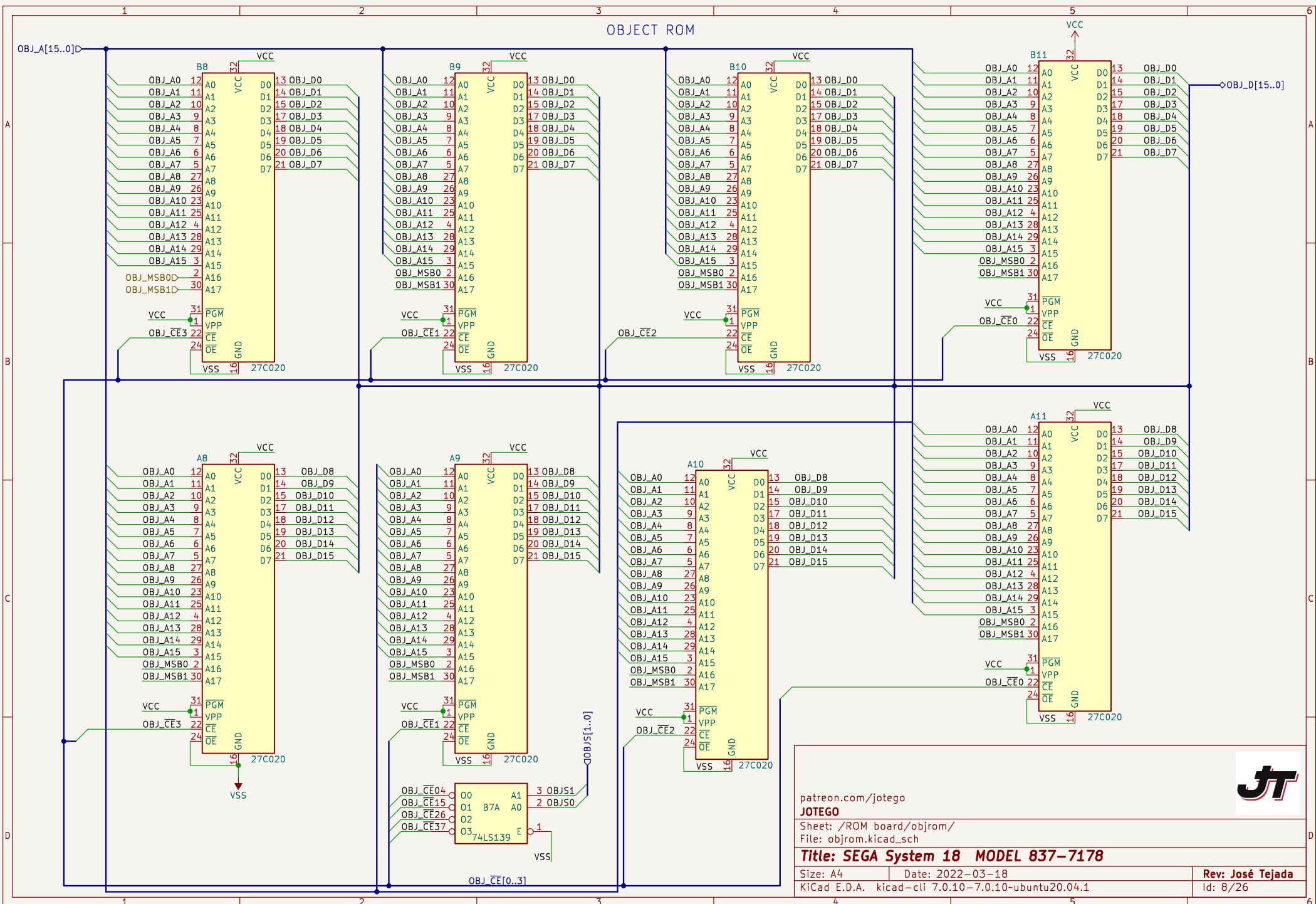
Rev: José Tejada

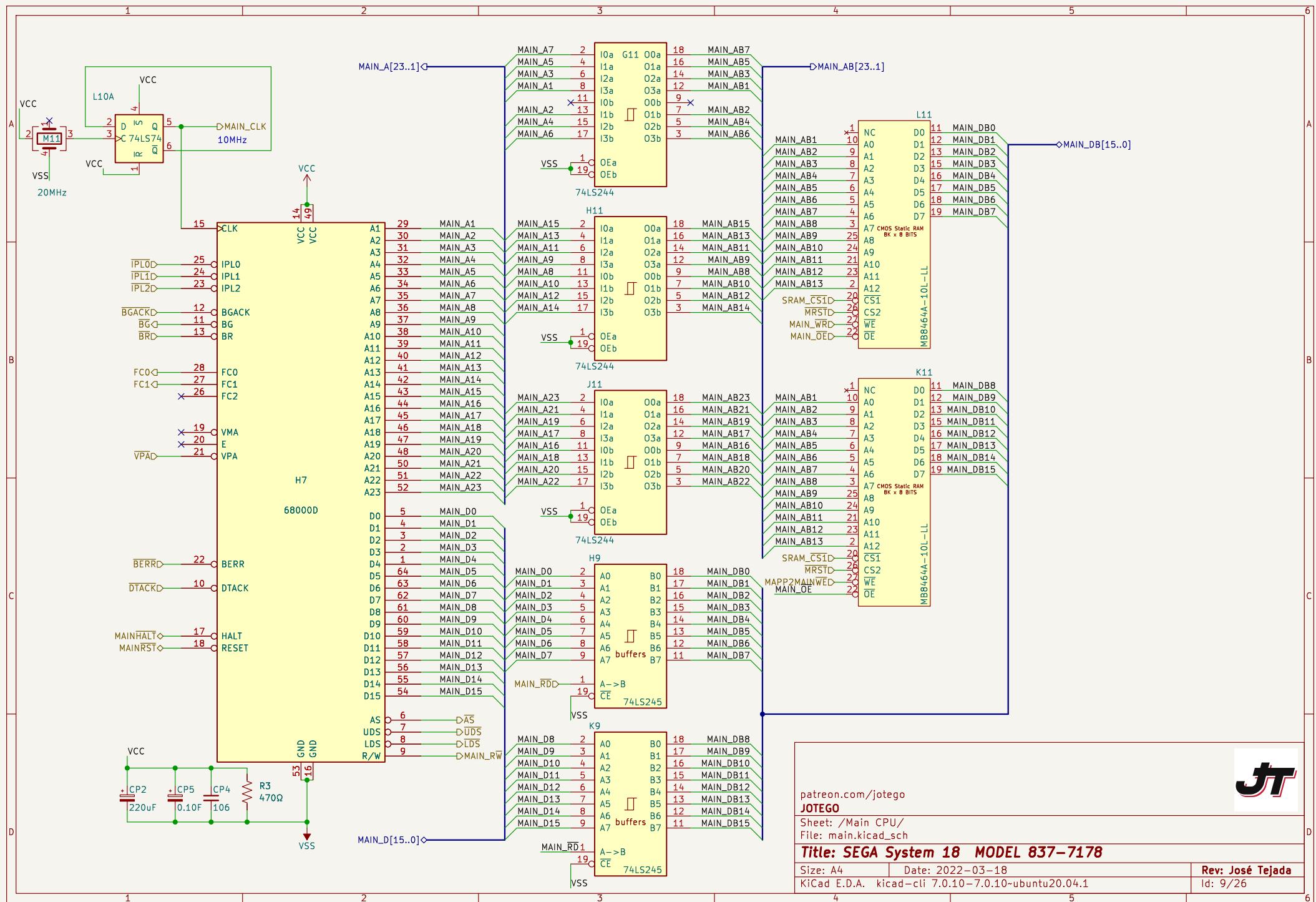
Id: 5/26

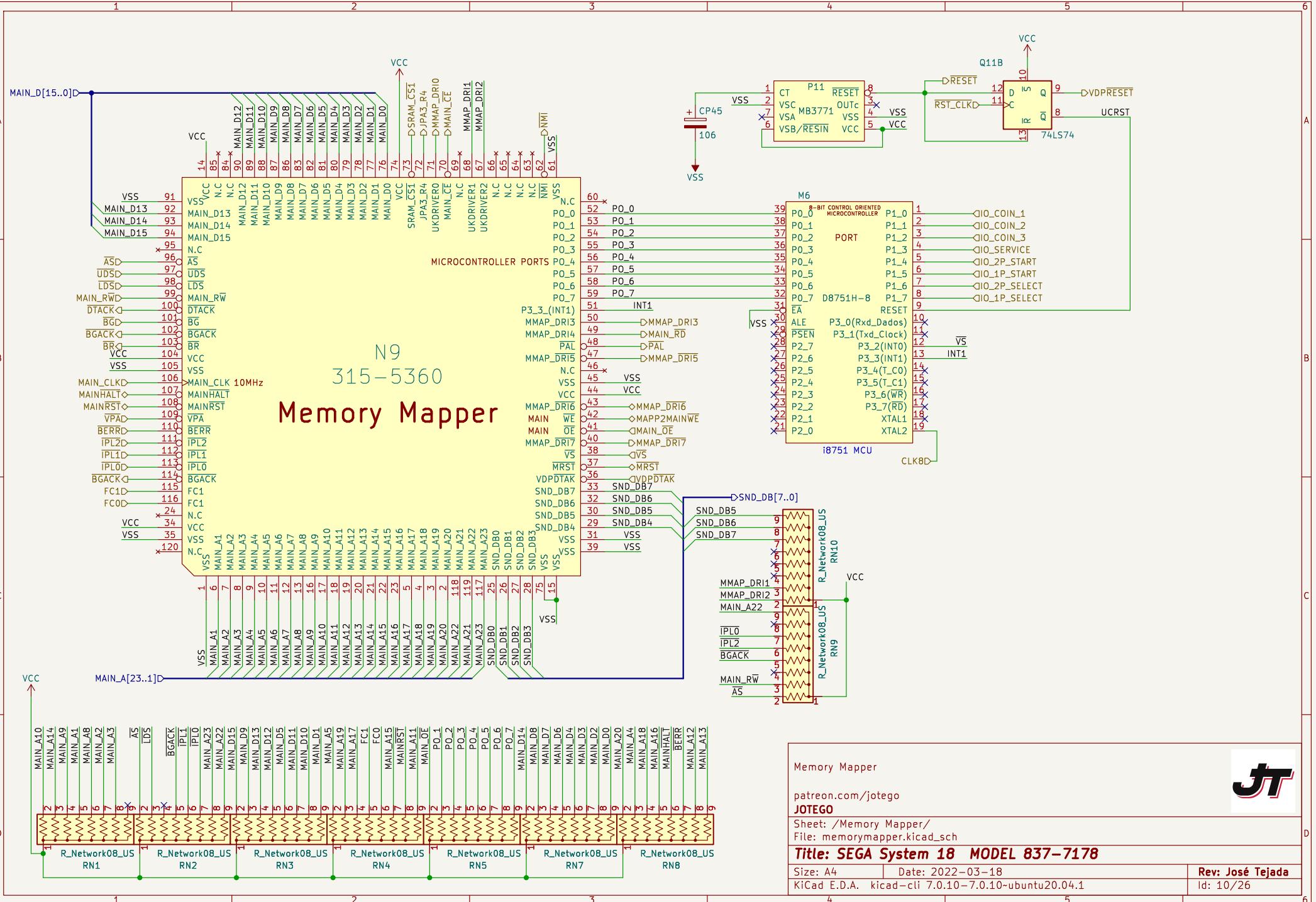
SCROLL ROM

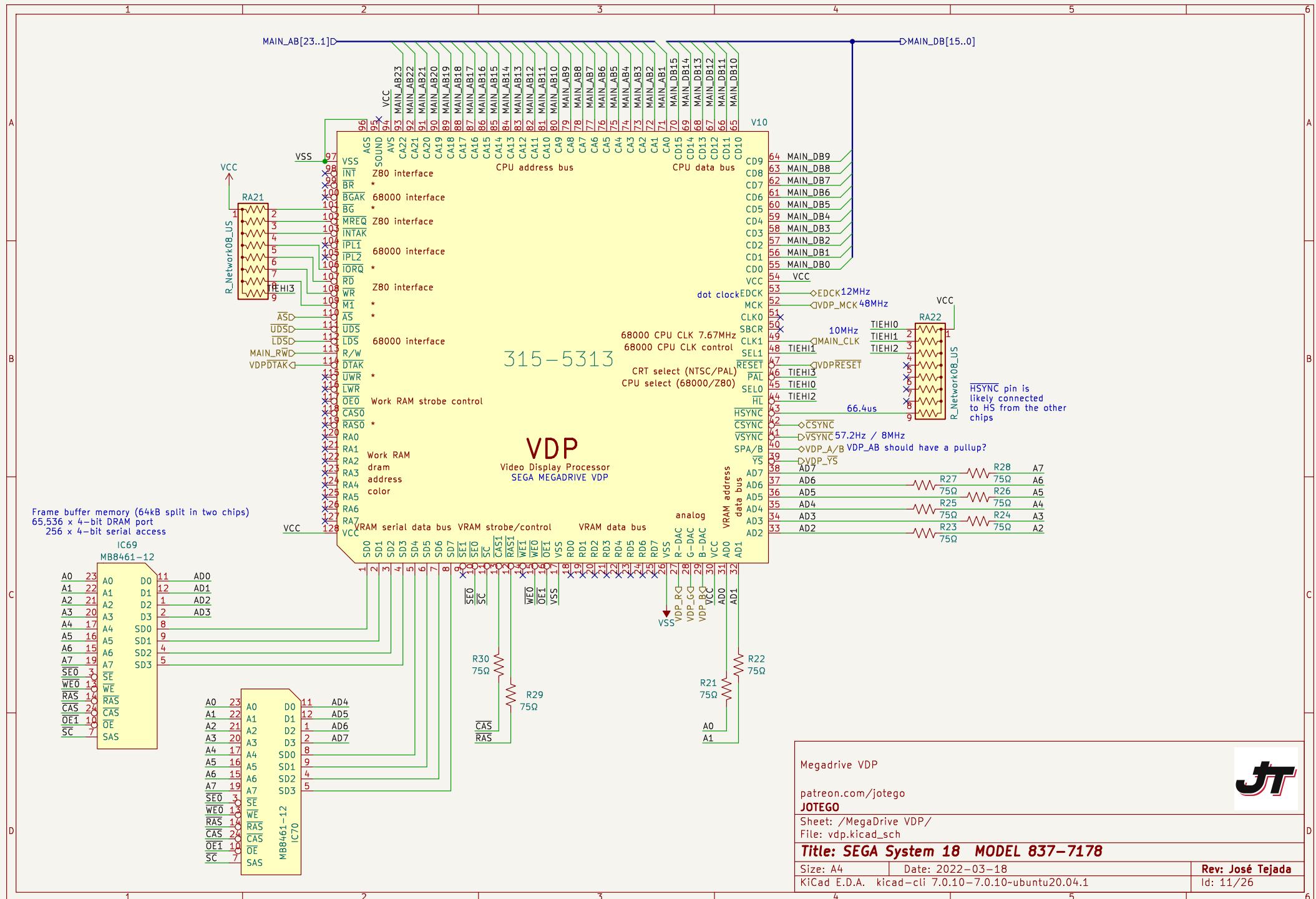


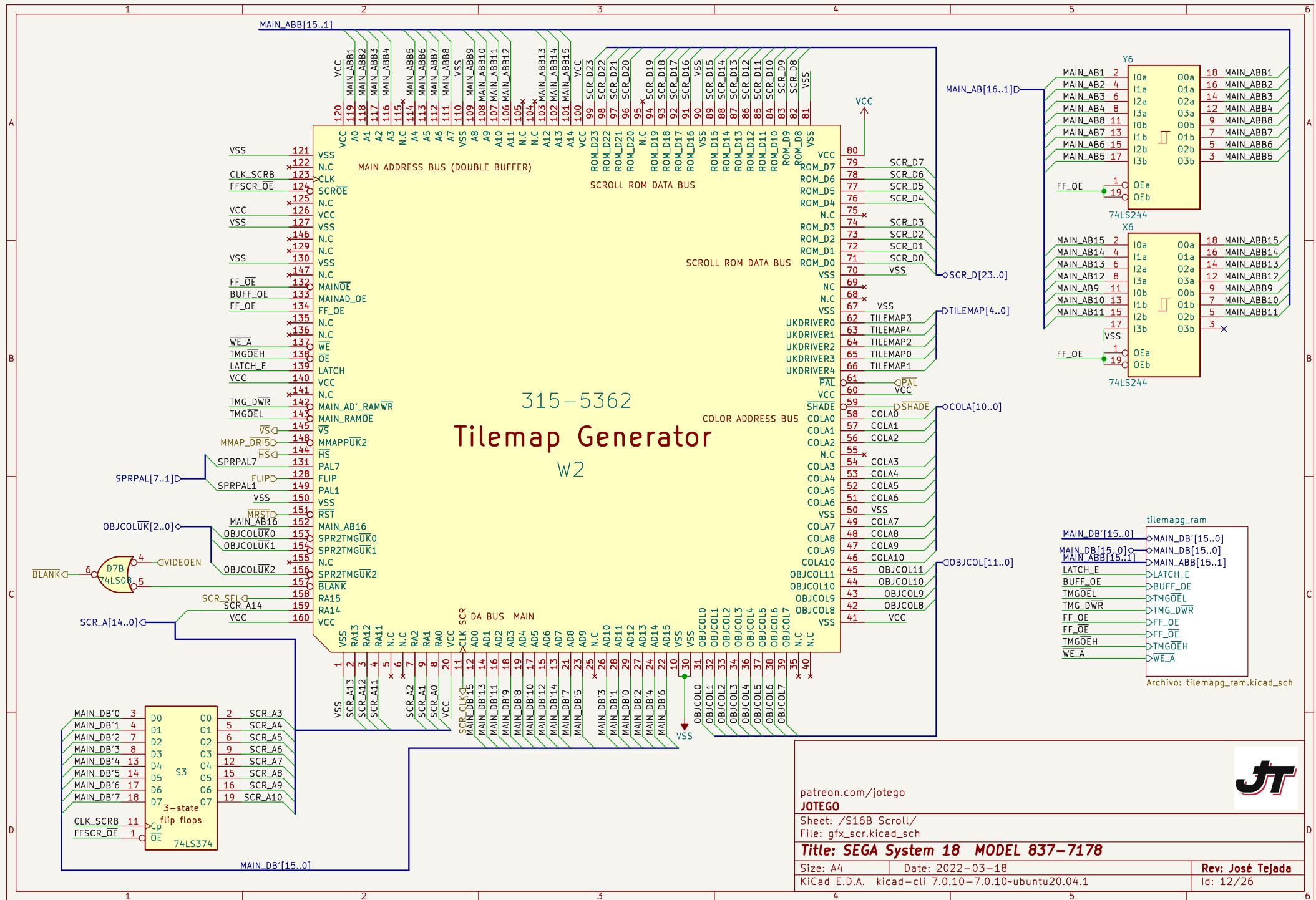


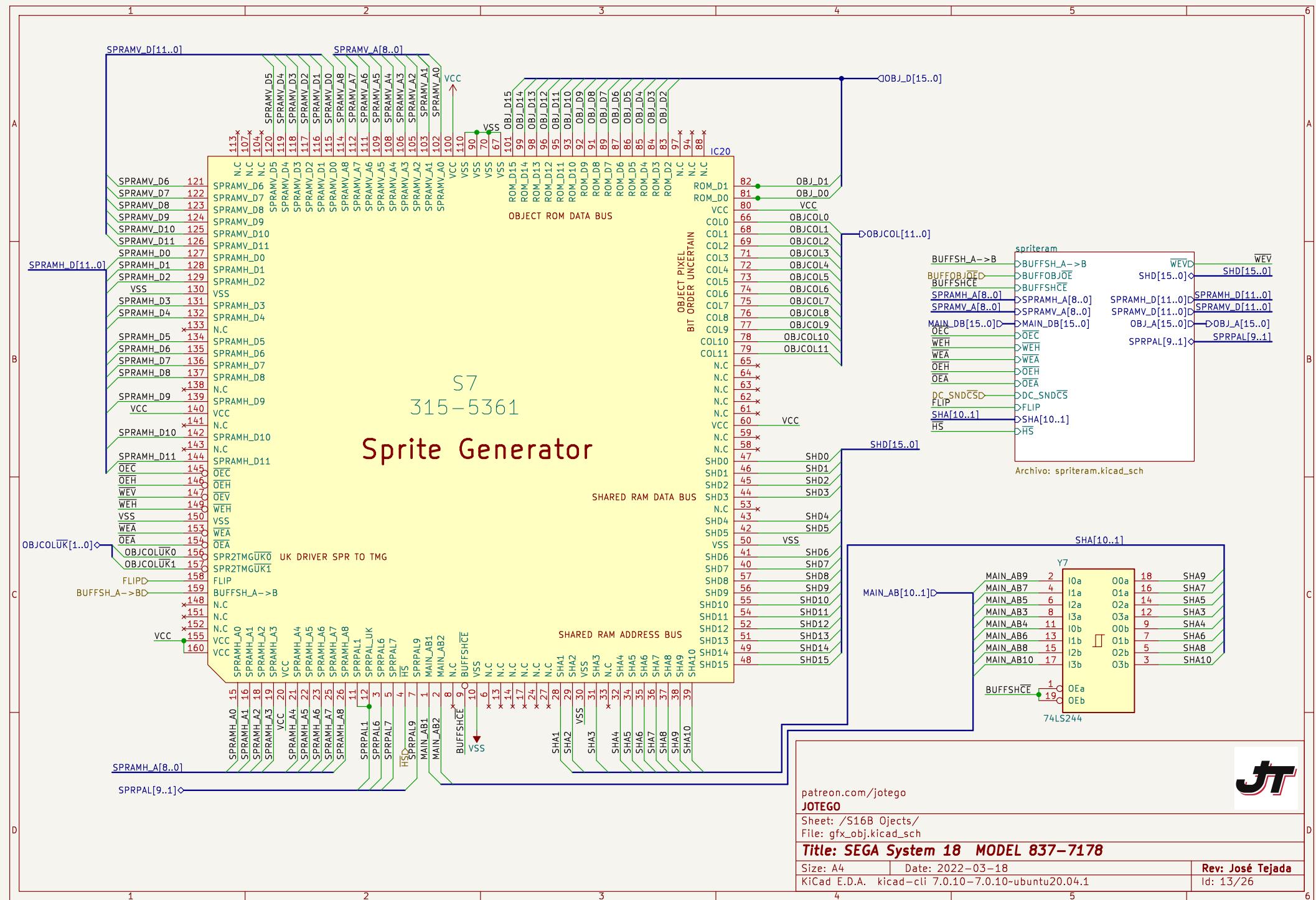


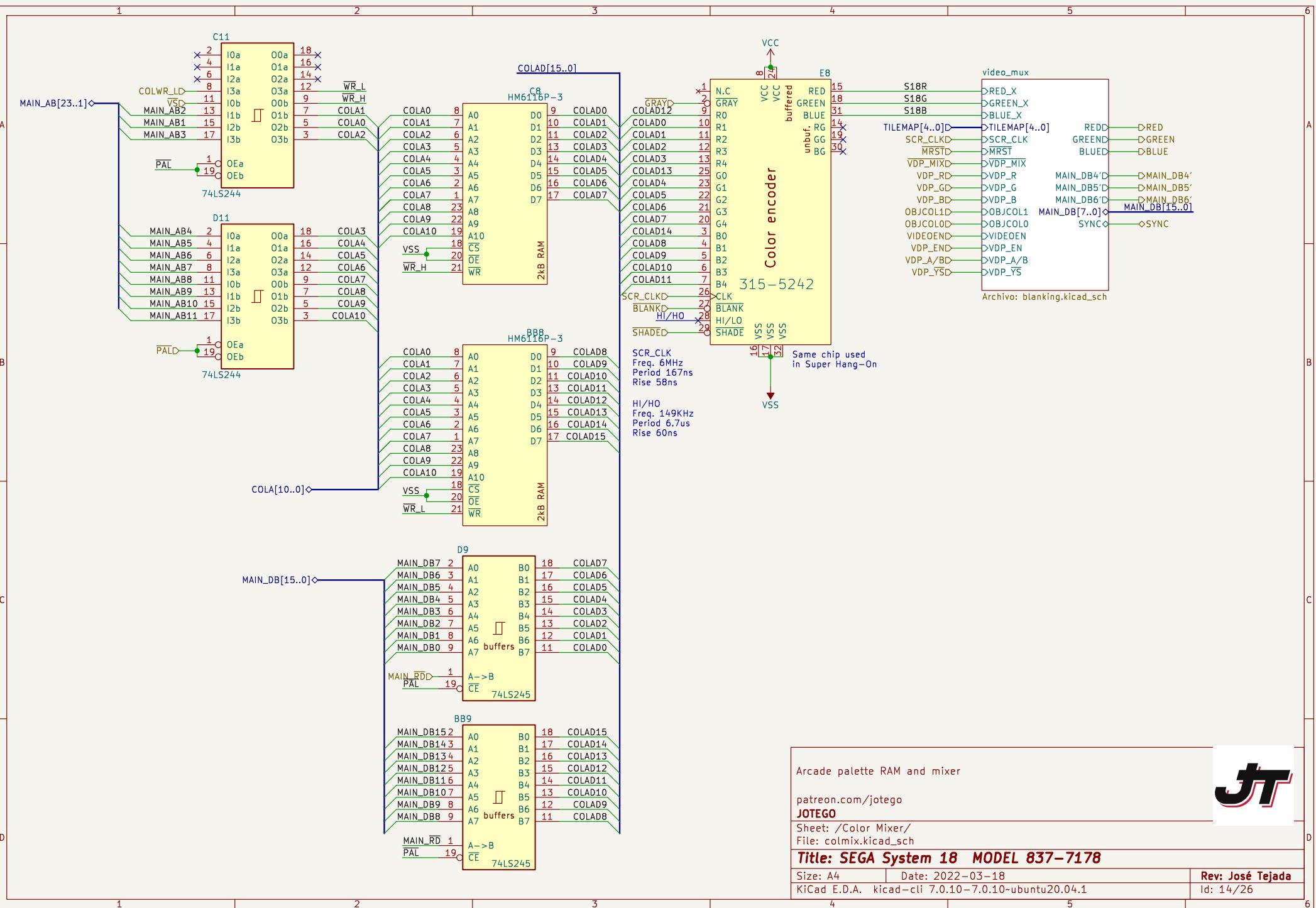


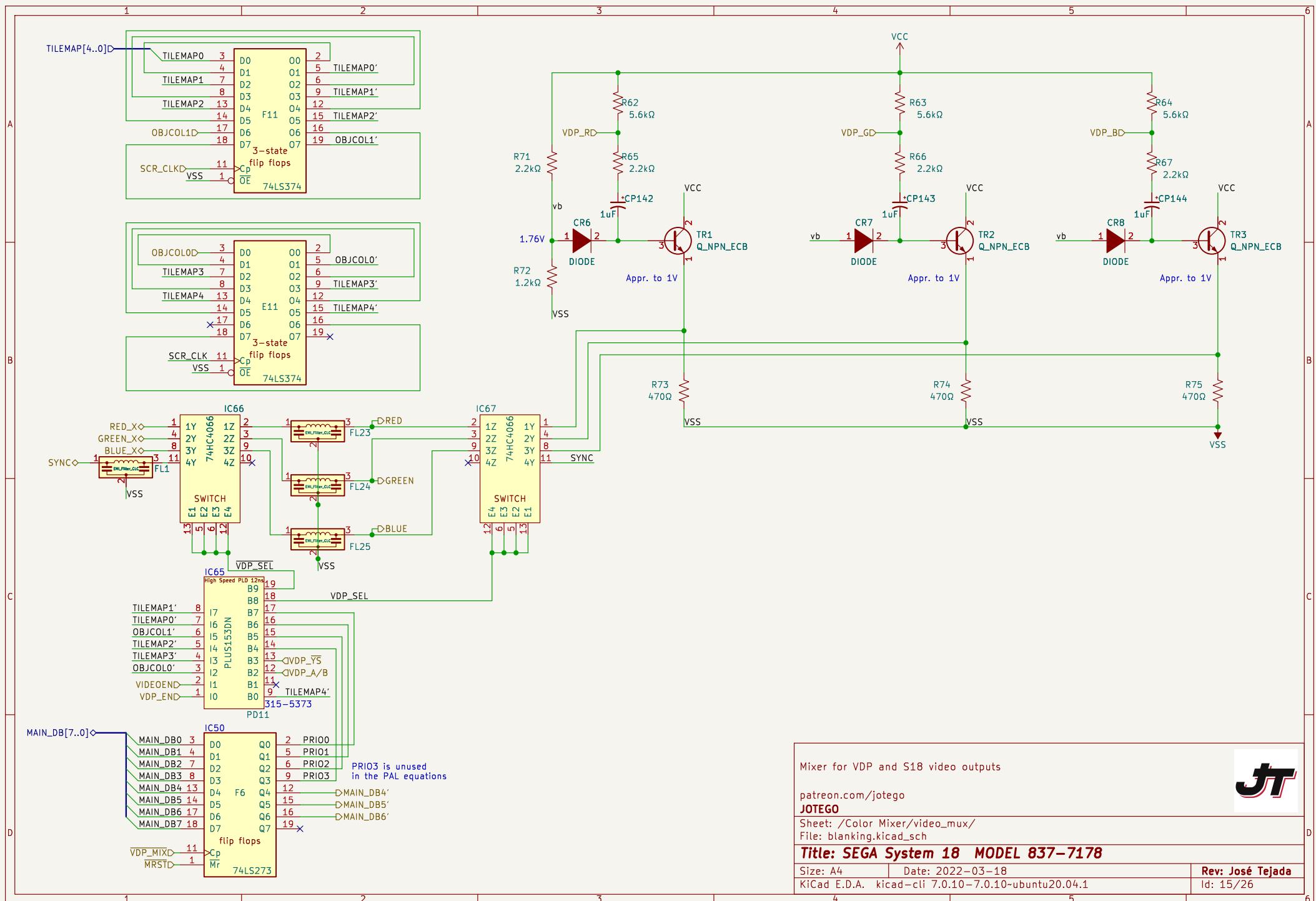




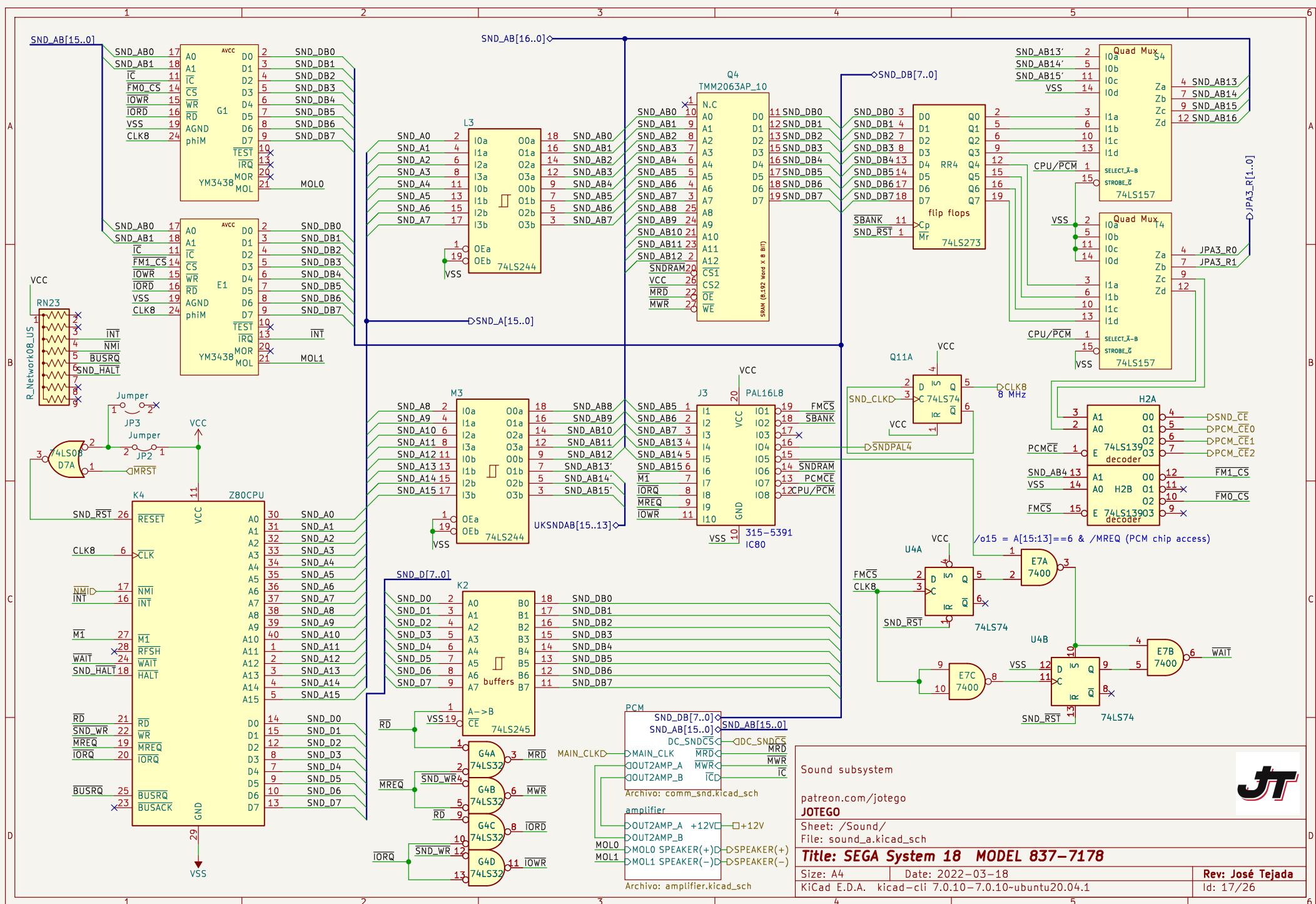


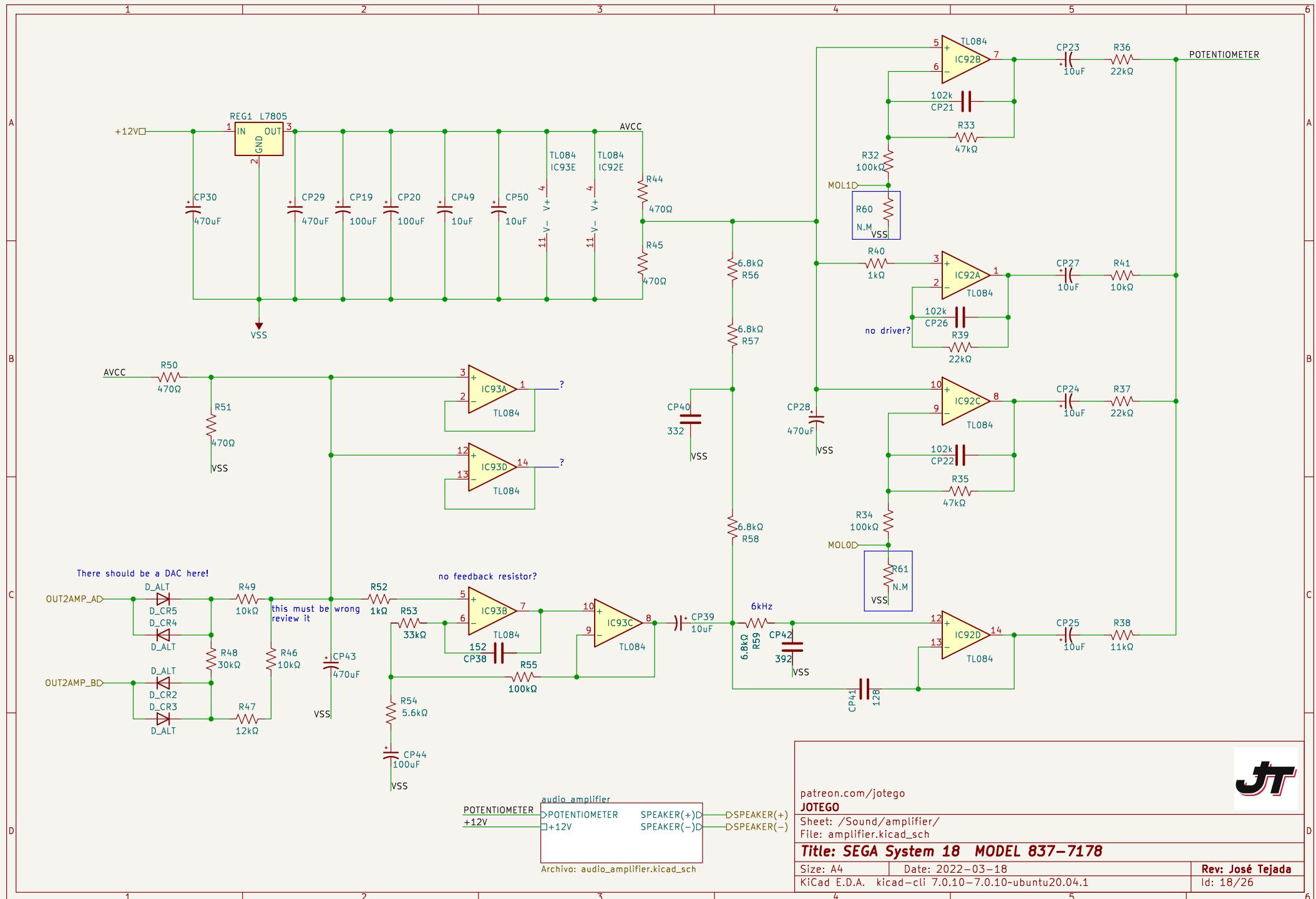




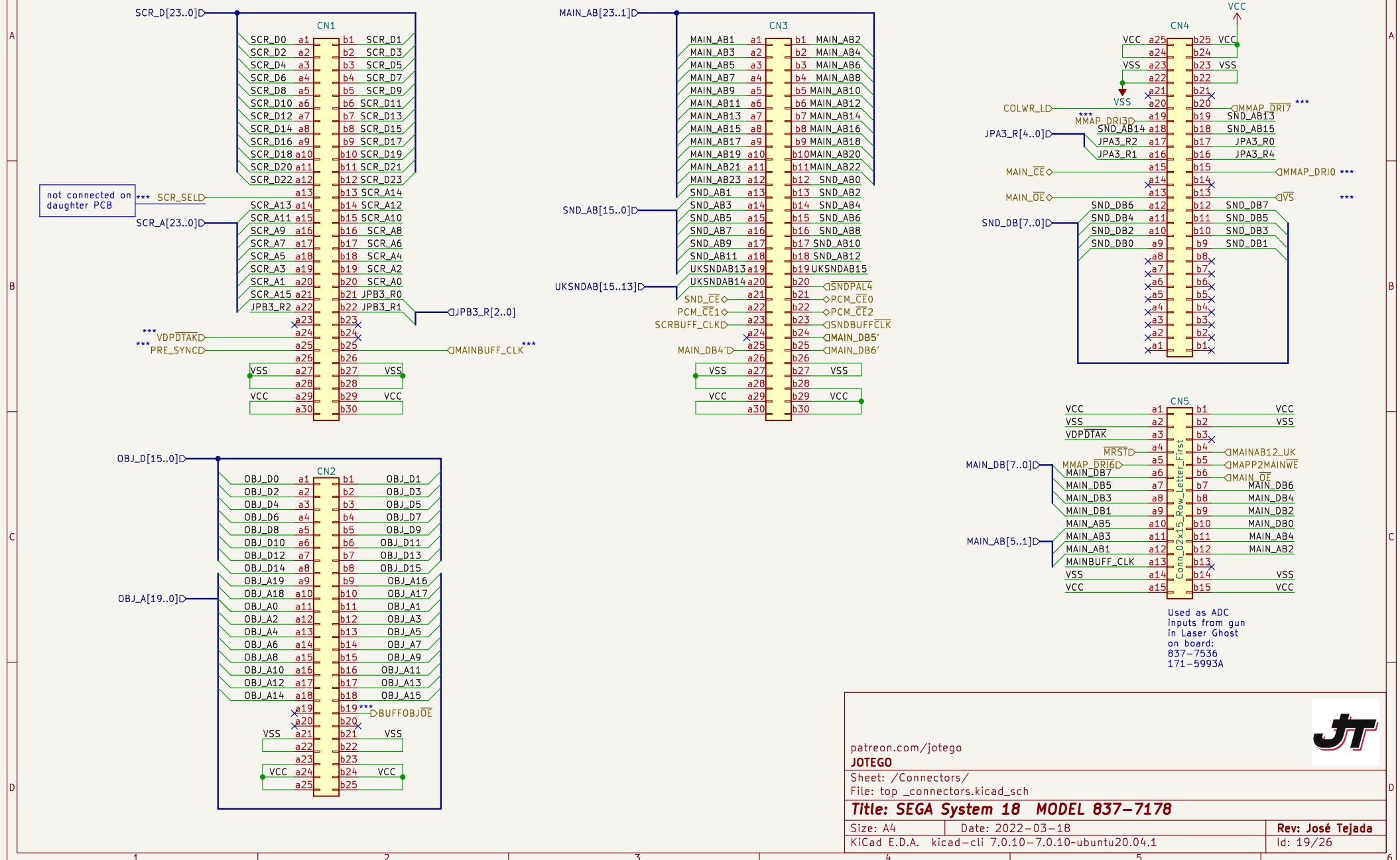


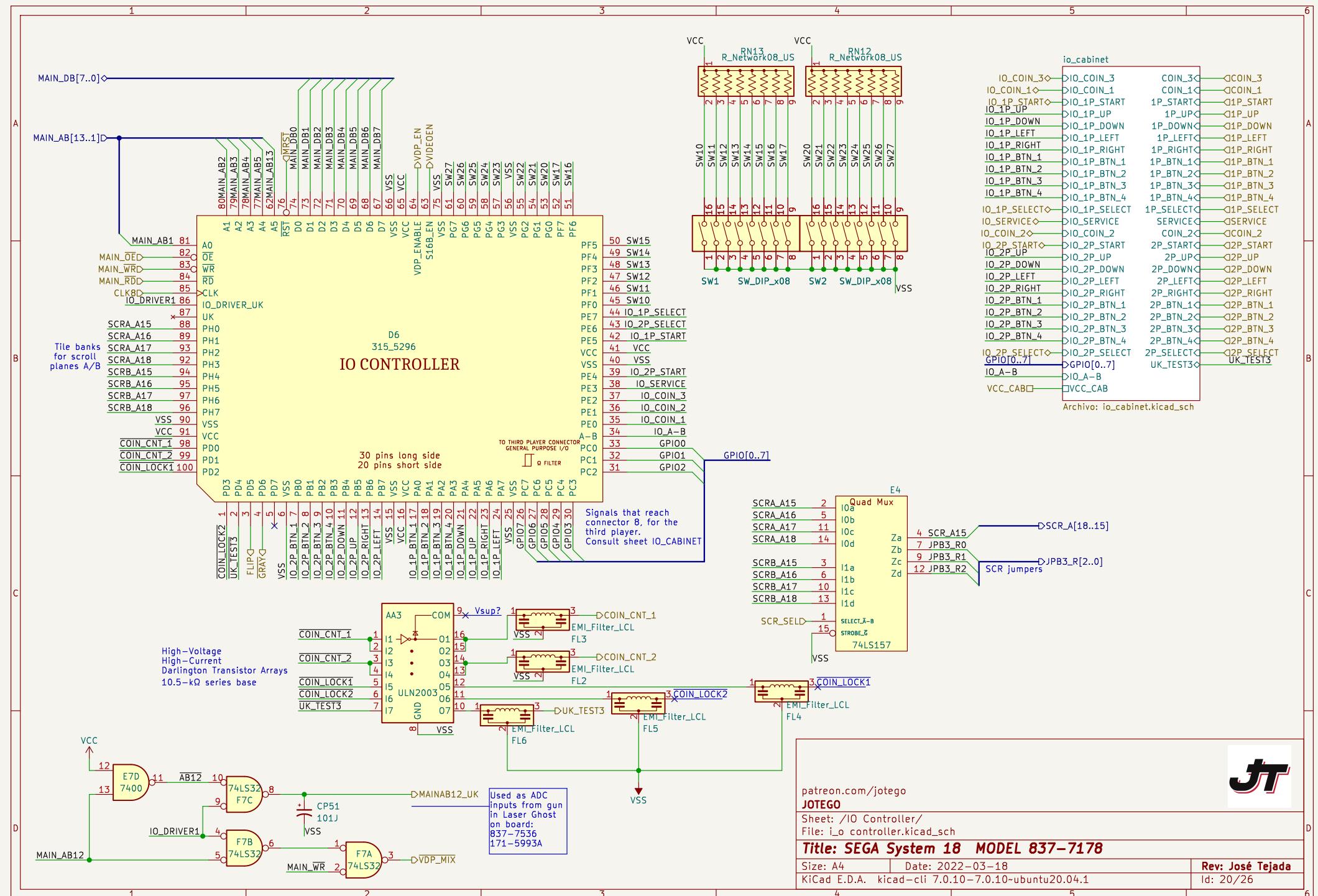


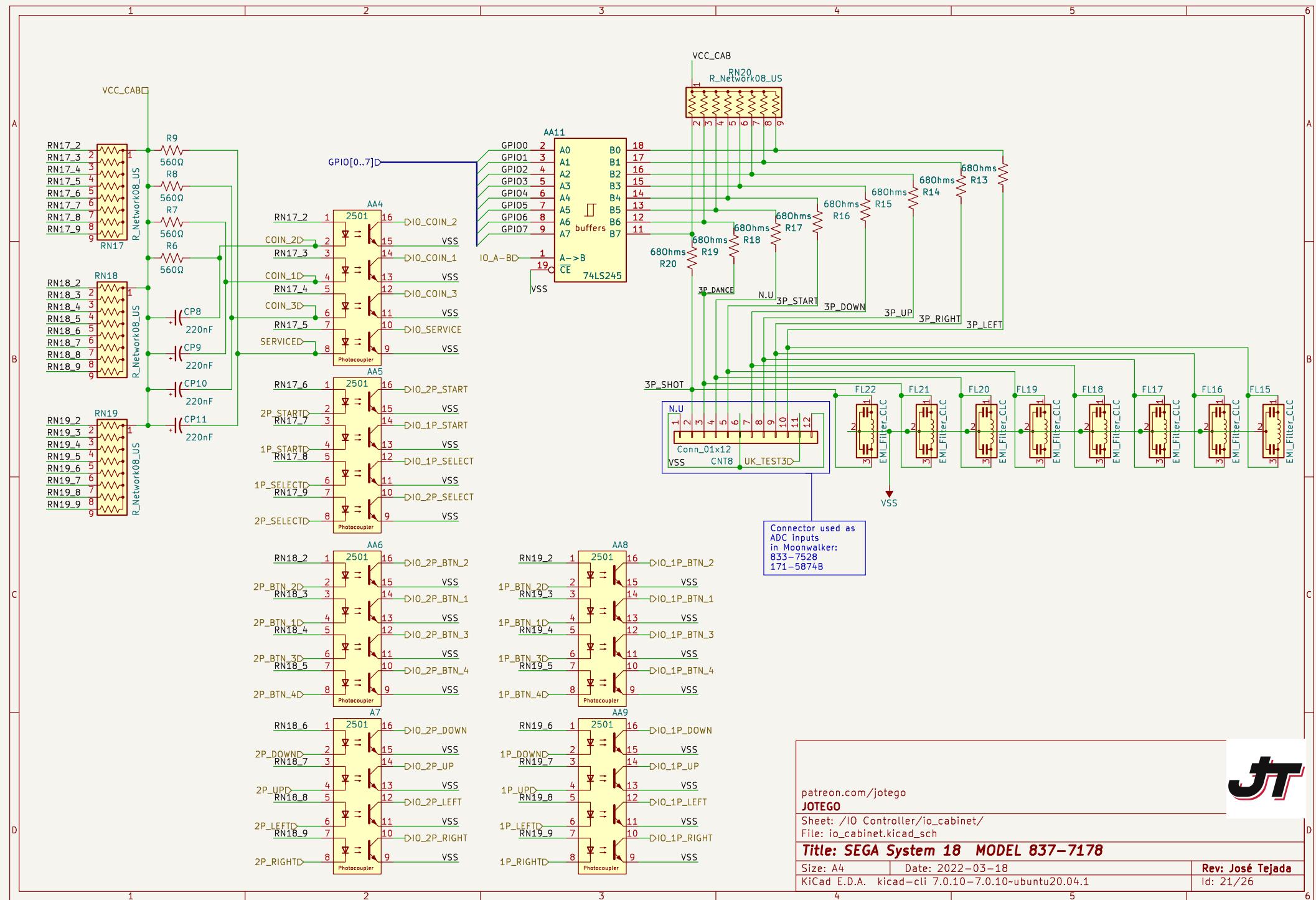


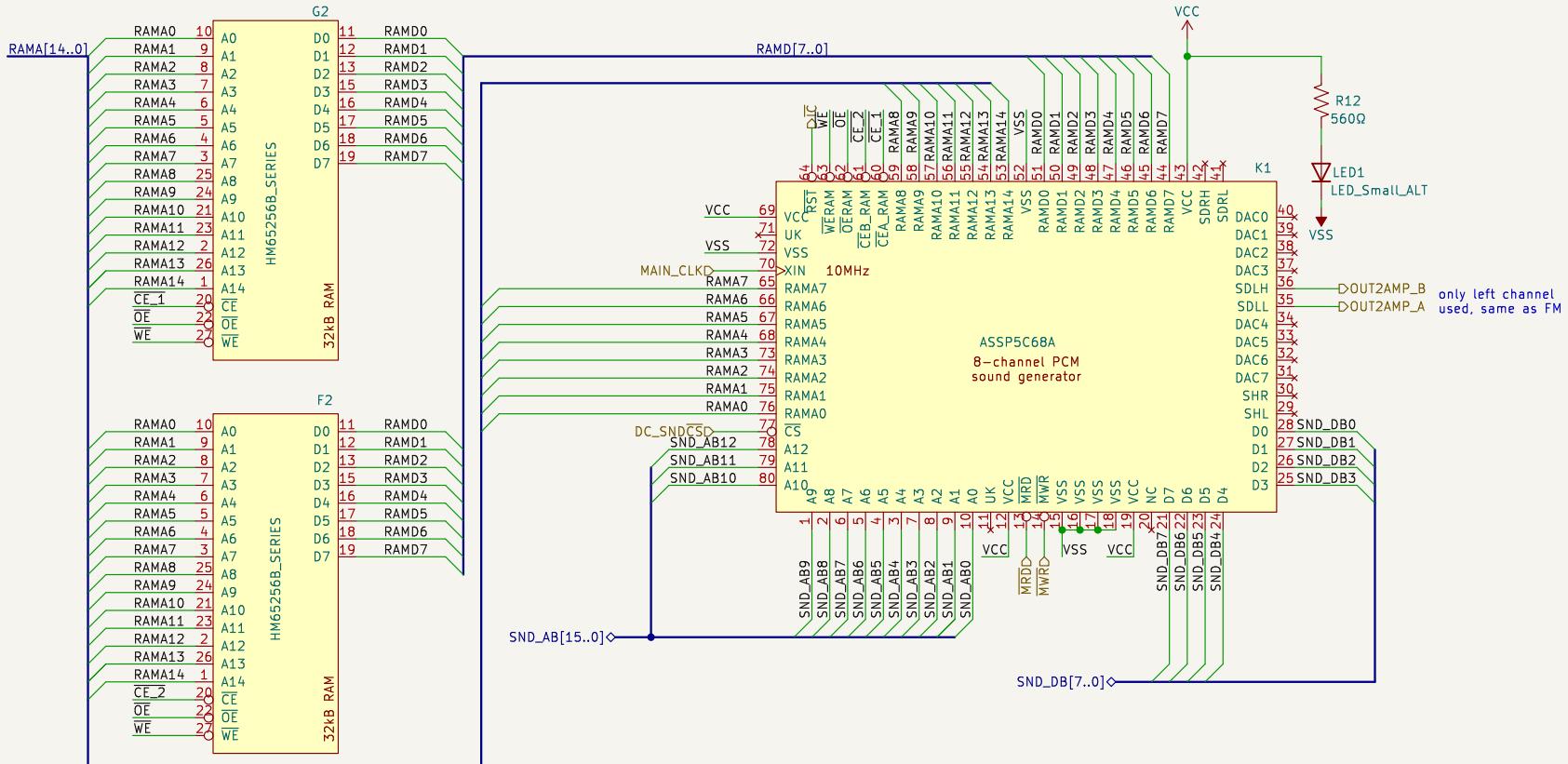


MOTHER AND DAUGHTER PCB CONNECTORS









PCM sound generator

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Sheet: /Sound/PCM/

File: comm_snd.kicad_sch

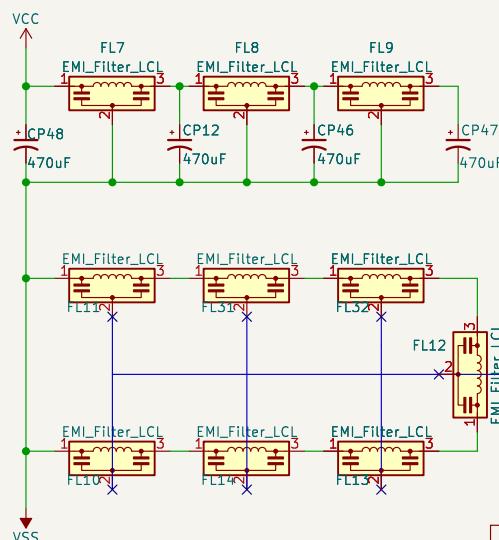
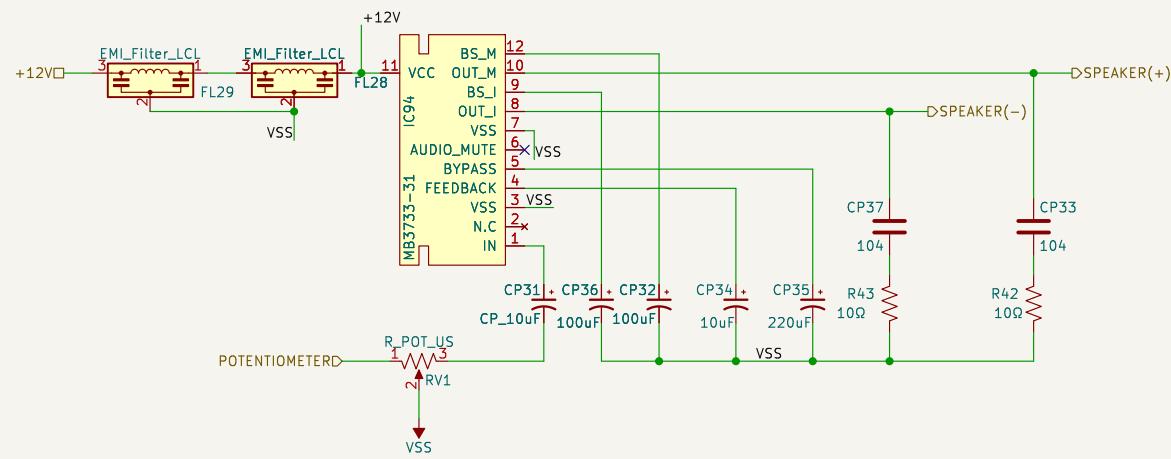
Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18

KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu20.04.1

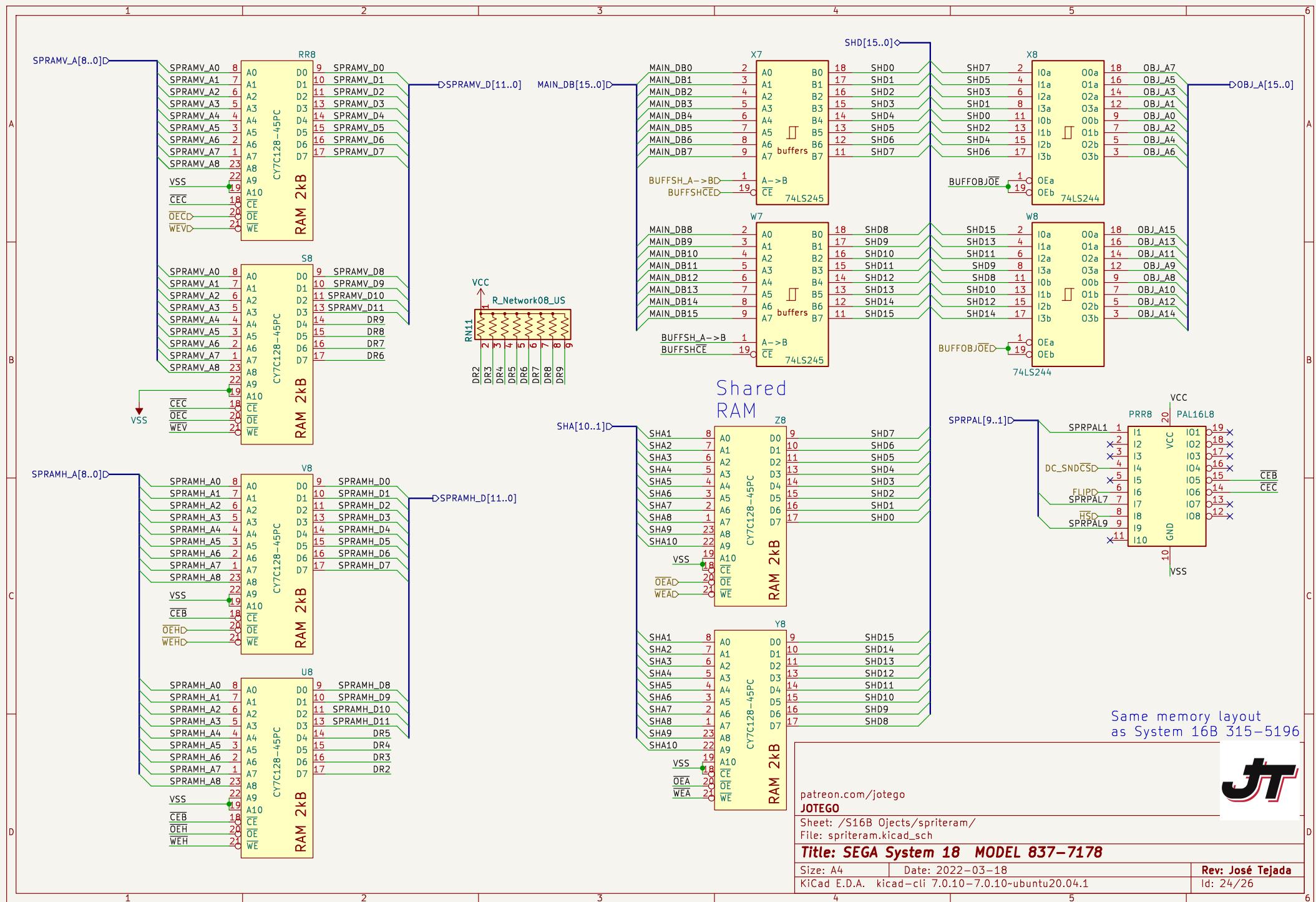
**Rev: José Tejada**

Id: 22/26

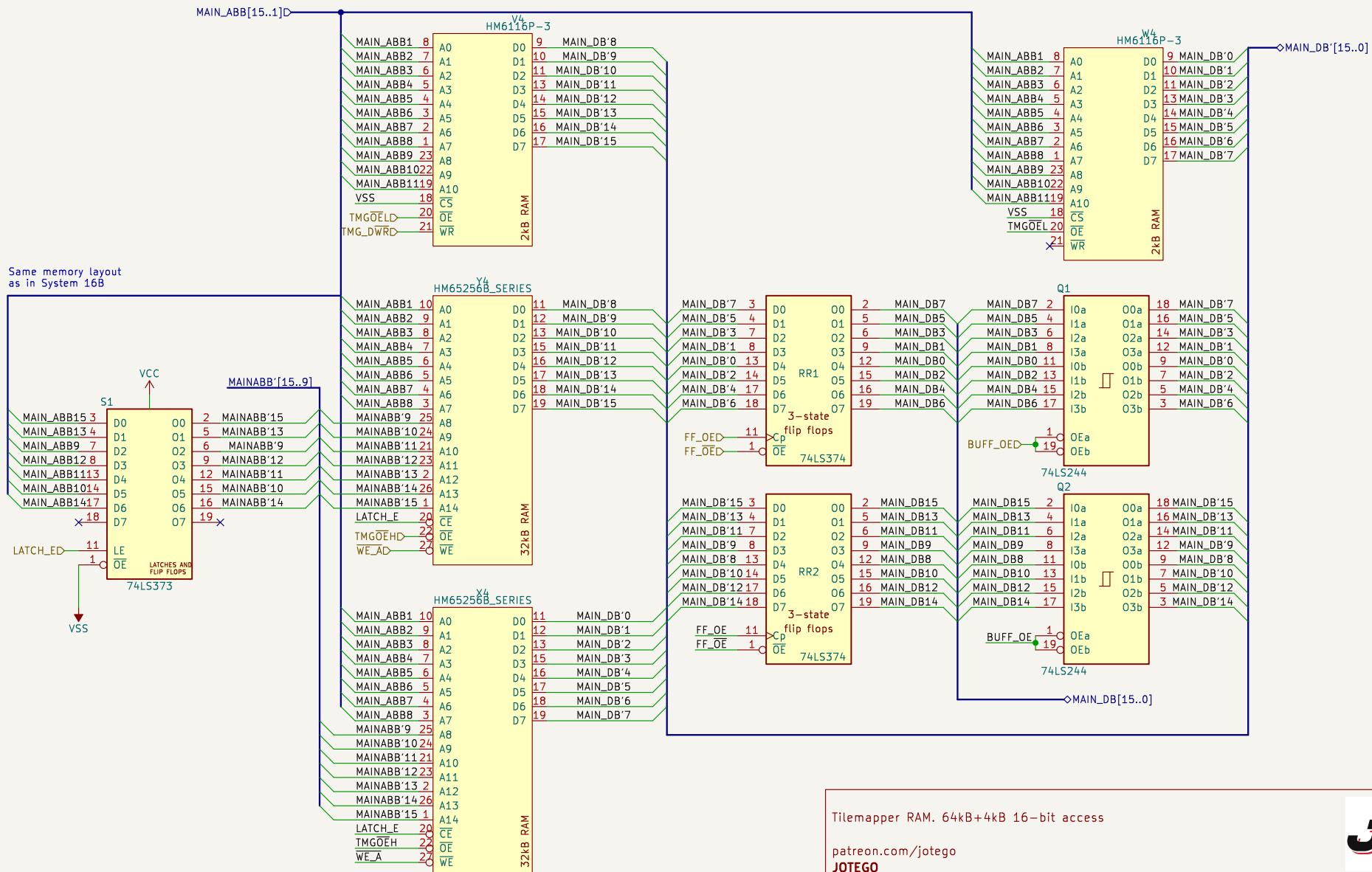


Leaded EMIFI
Three-terminal Capacitor type
DSS6NE52A222p
2200pF 80/-20%
100Vdc 6A -25 to +85°C

A kind of a track is observed between the two PCB layers, as if it were another layer, but there is no certainty about that. The track seems to be used to delimit or isolate the EMI (ElectroMagnetic Interference) filters. They may have wanted to isolate the noise between digital and analog devices.



1 2 3 4 5 6



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

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Sheet: /S16B_Scroll/tilemapg_ram/

File: tilemapg_ram.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18

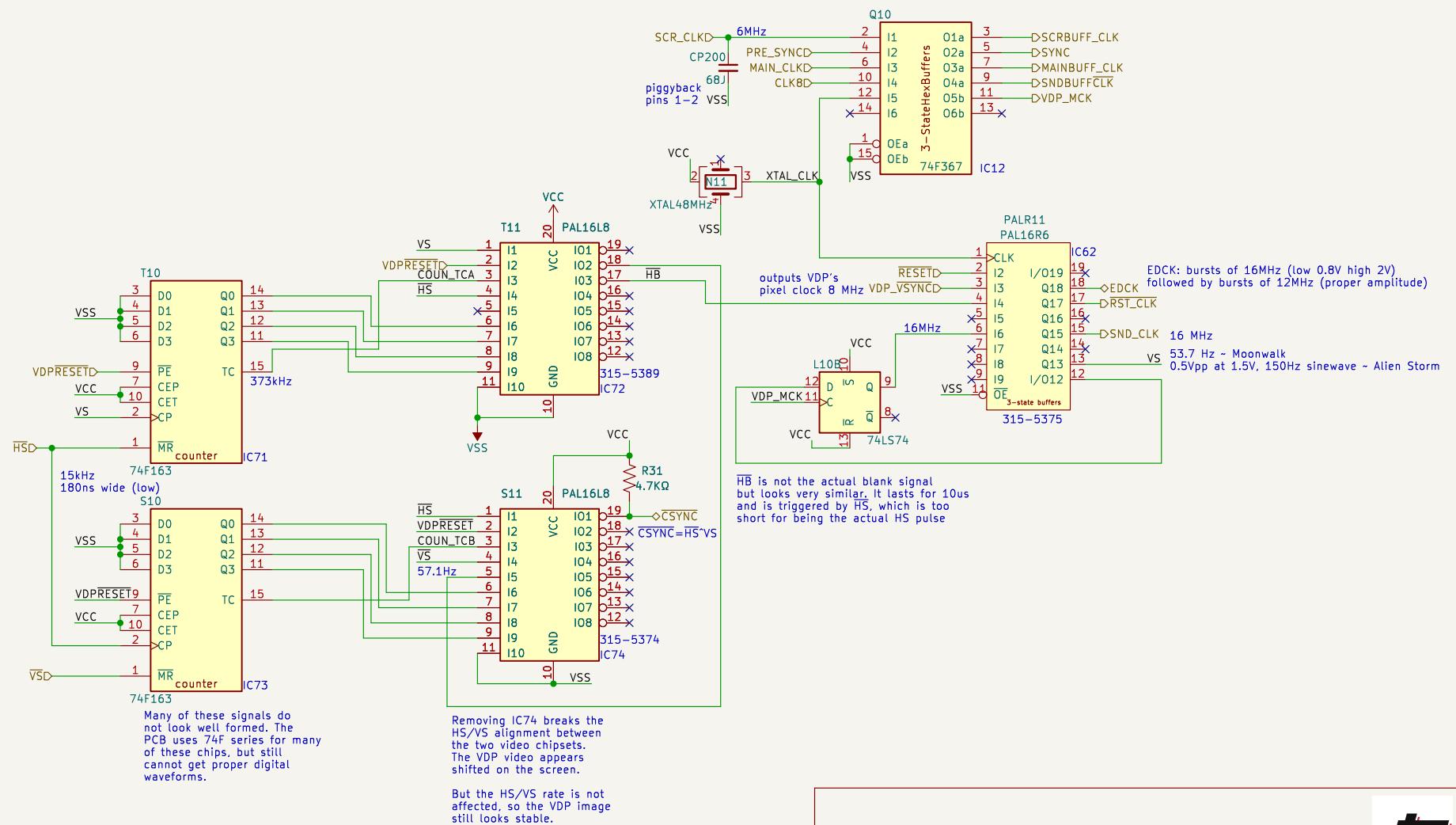
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu20.04.1



Rev: José Tejada

Id: 25/26

1 2 3 4 5 6



VDP pixel clock and csync generation
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Sheet: /Video Sync/
File: buffers.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu20.04.1



Rev: José Tejada
Id: 26/26