

A

A

B

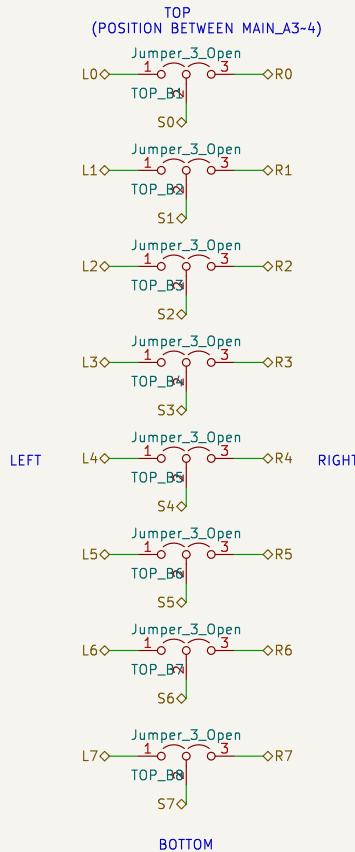
B

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. 8.0.8



A

A

B

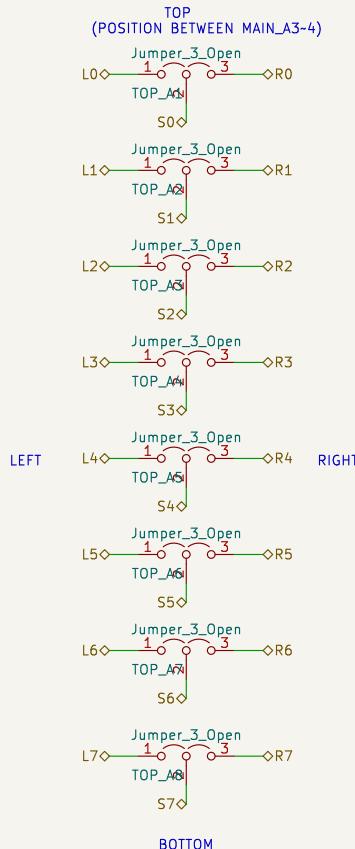
B

C

C

D

D


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. 8.0.8



Rev: José Tejada

Id: 4/26

A

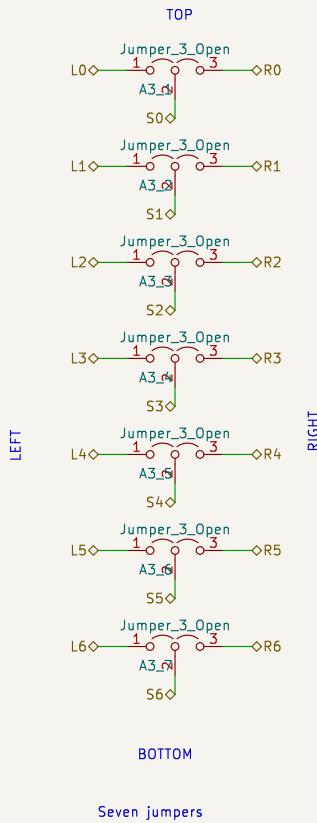
A

B

B

C

C



patreon.com/joteqo

JOTEGO

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

Title: SEGA System 18 MODEL 837-7178

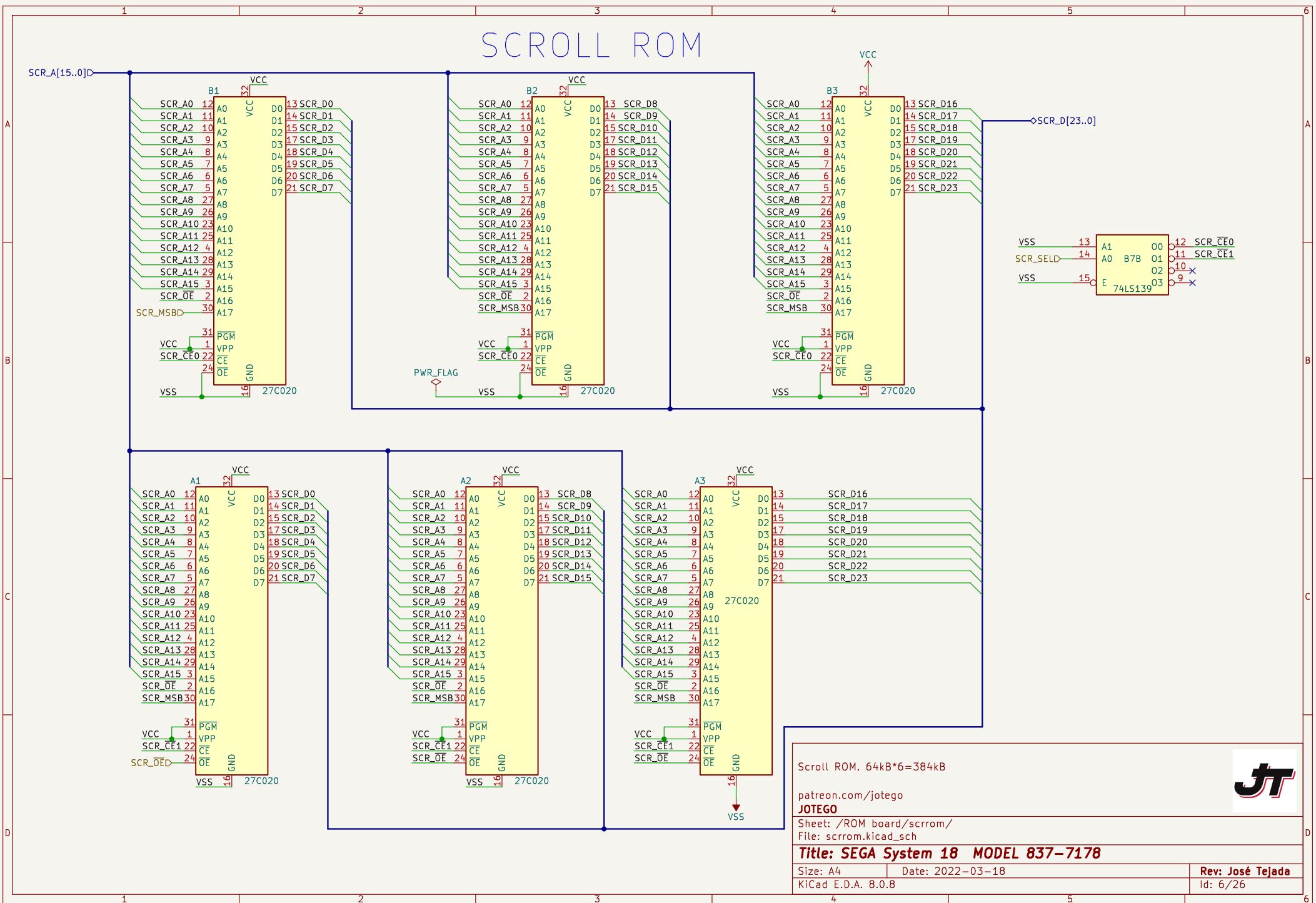
Size: A4 Date: 2022-03-18

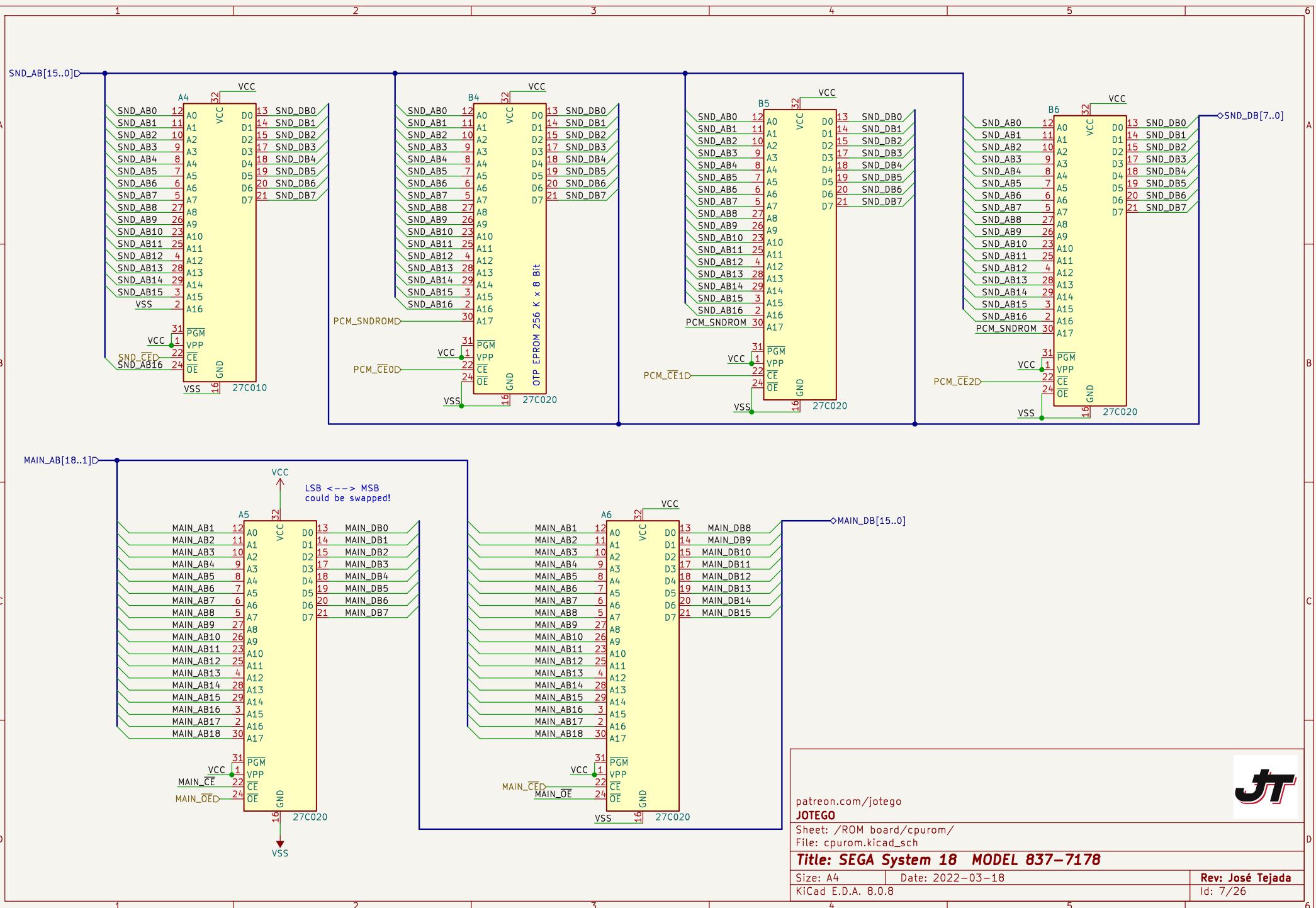
KiCad E.D.A. 8.0.8

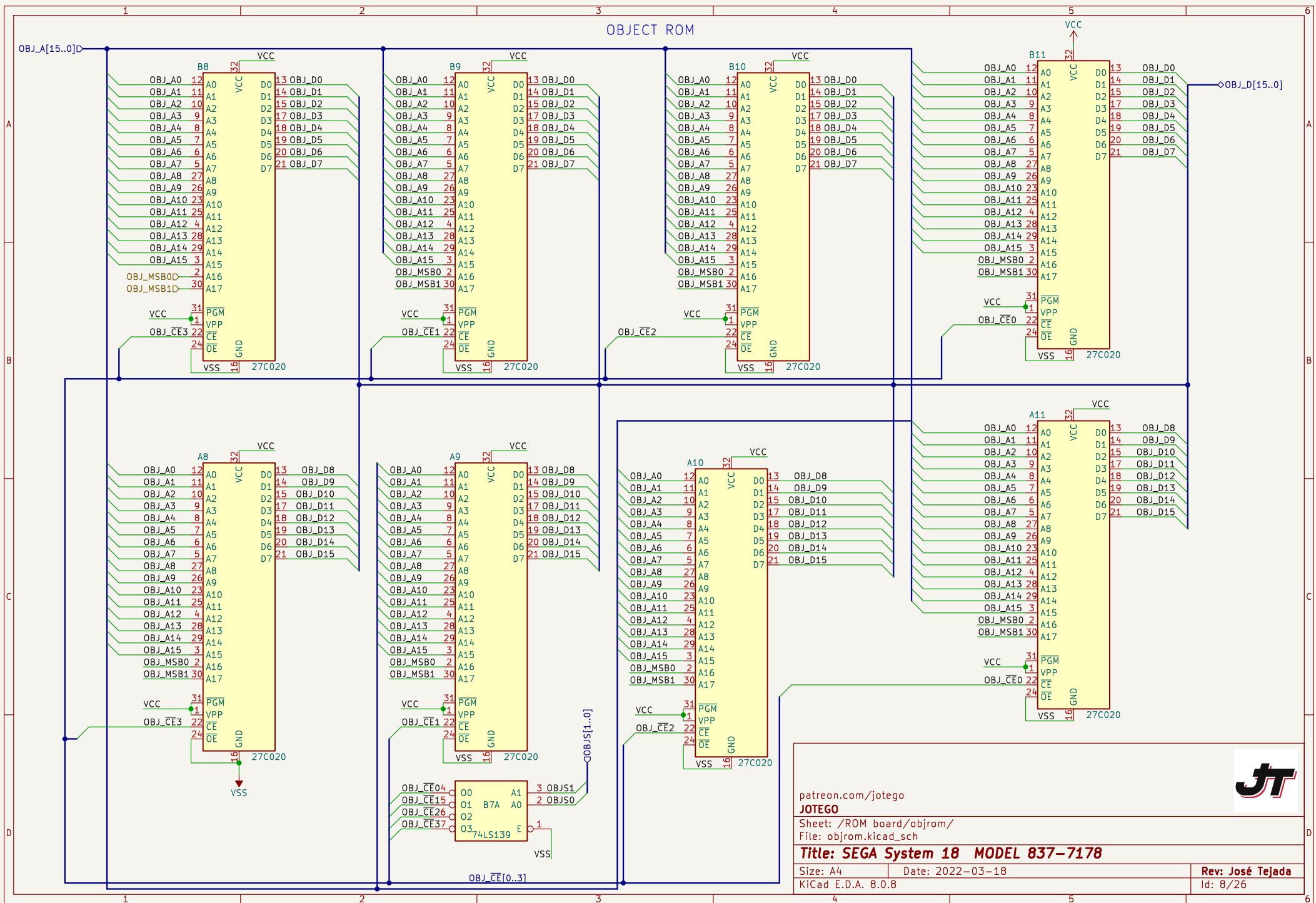
Rev: José Tejada

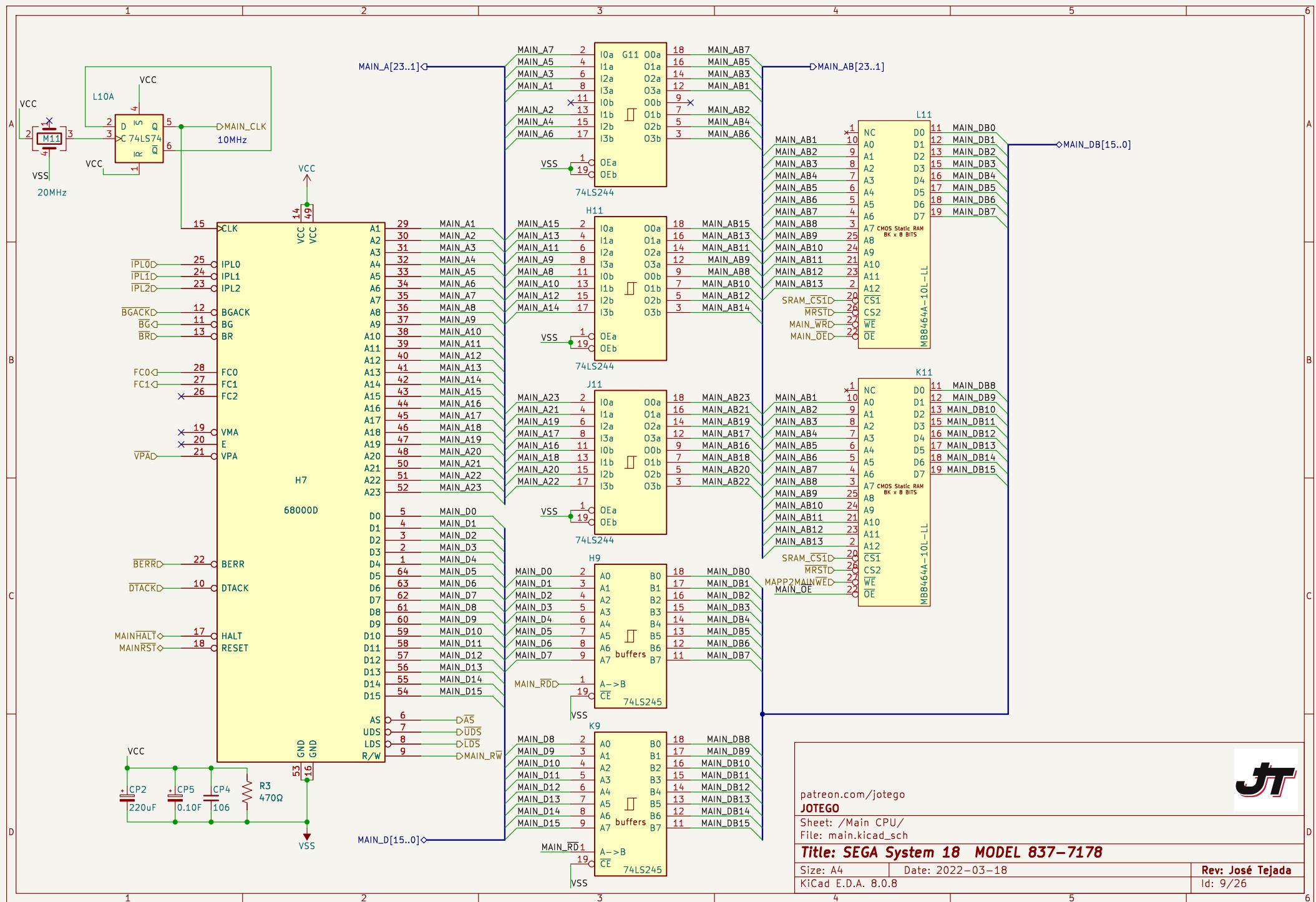
Id: 5/26

SCROLL ROM









patreon.com/jotego

JOTEGO

Sheet: /Main CPU/
File: main.kicad_sch

Title: SEGA System 18 MODEL 837-7178

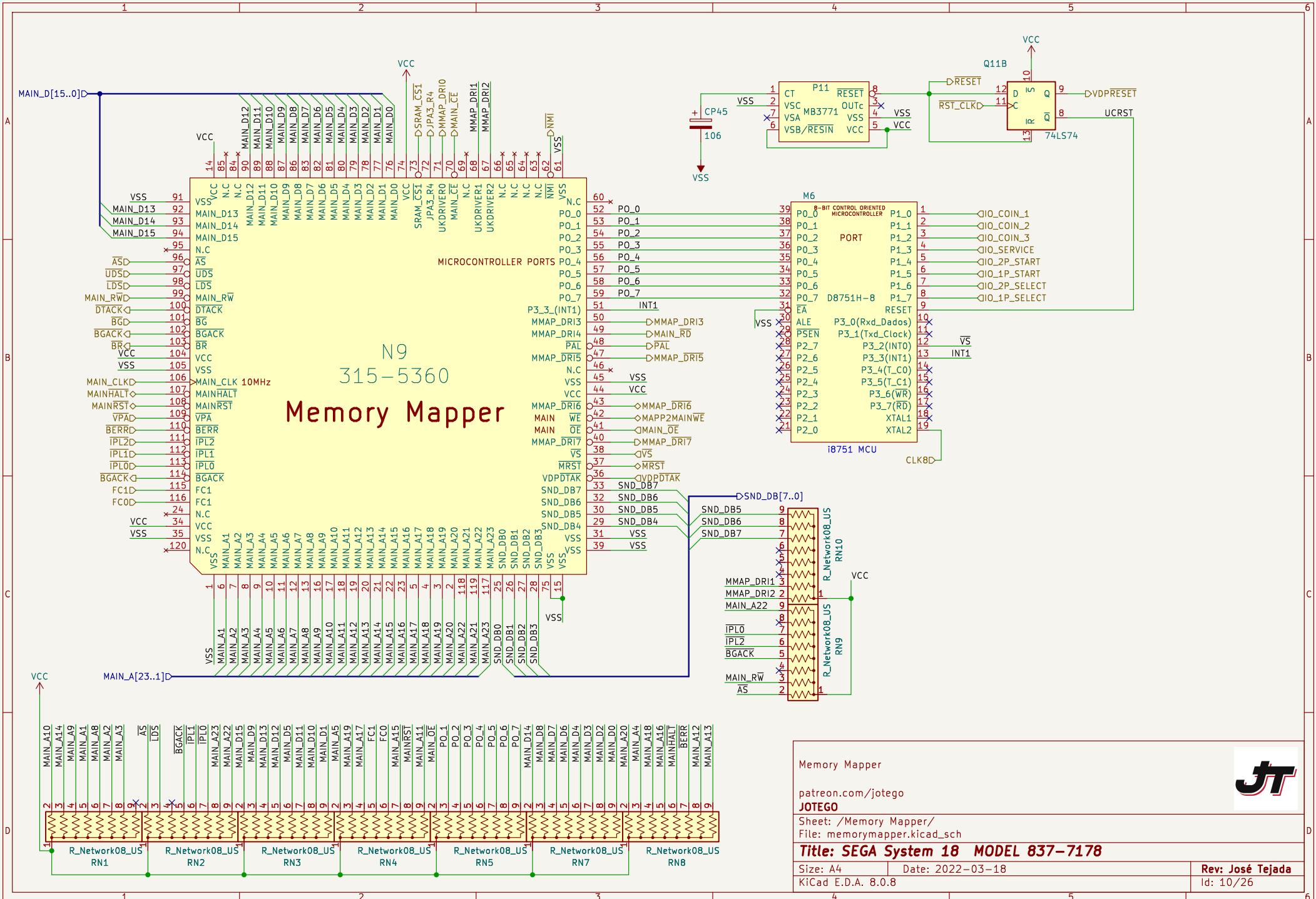
Size: A4 Date: 2022-03-18

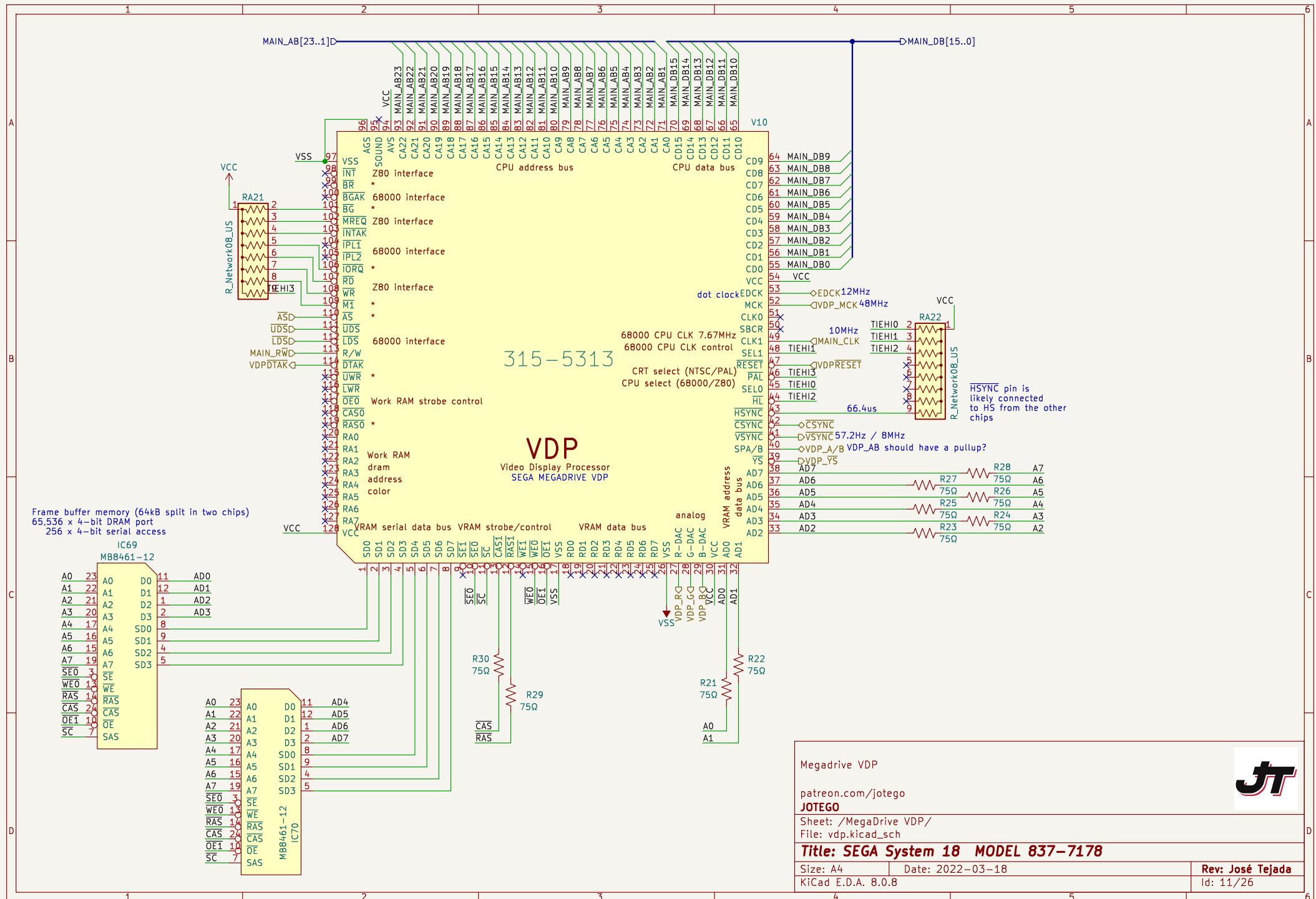
KiCad E.D.A. 8.0.8

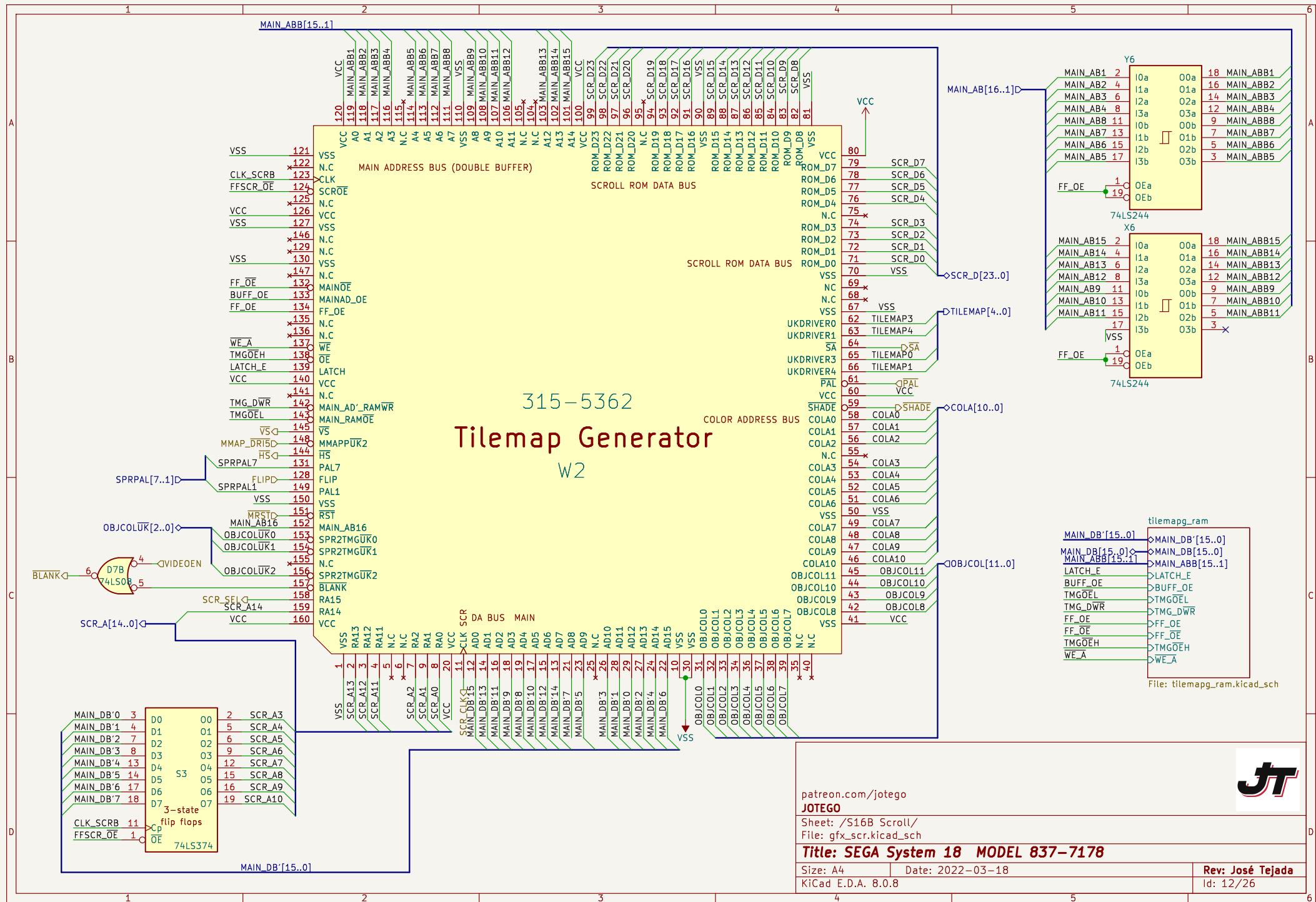


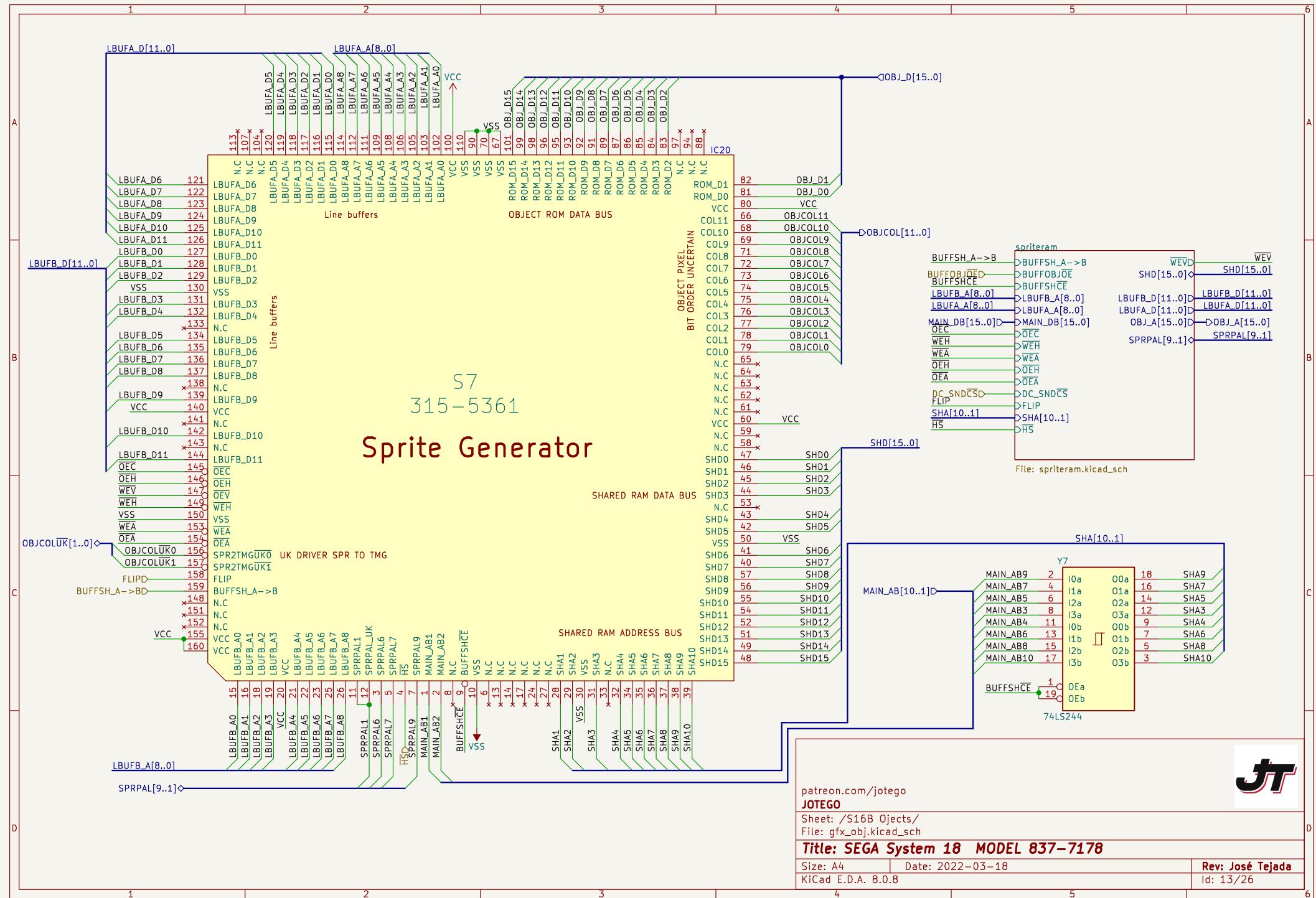
Rev: José Tejada

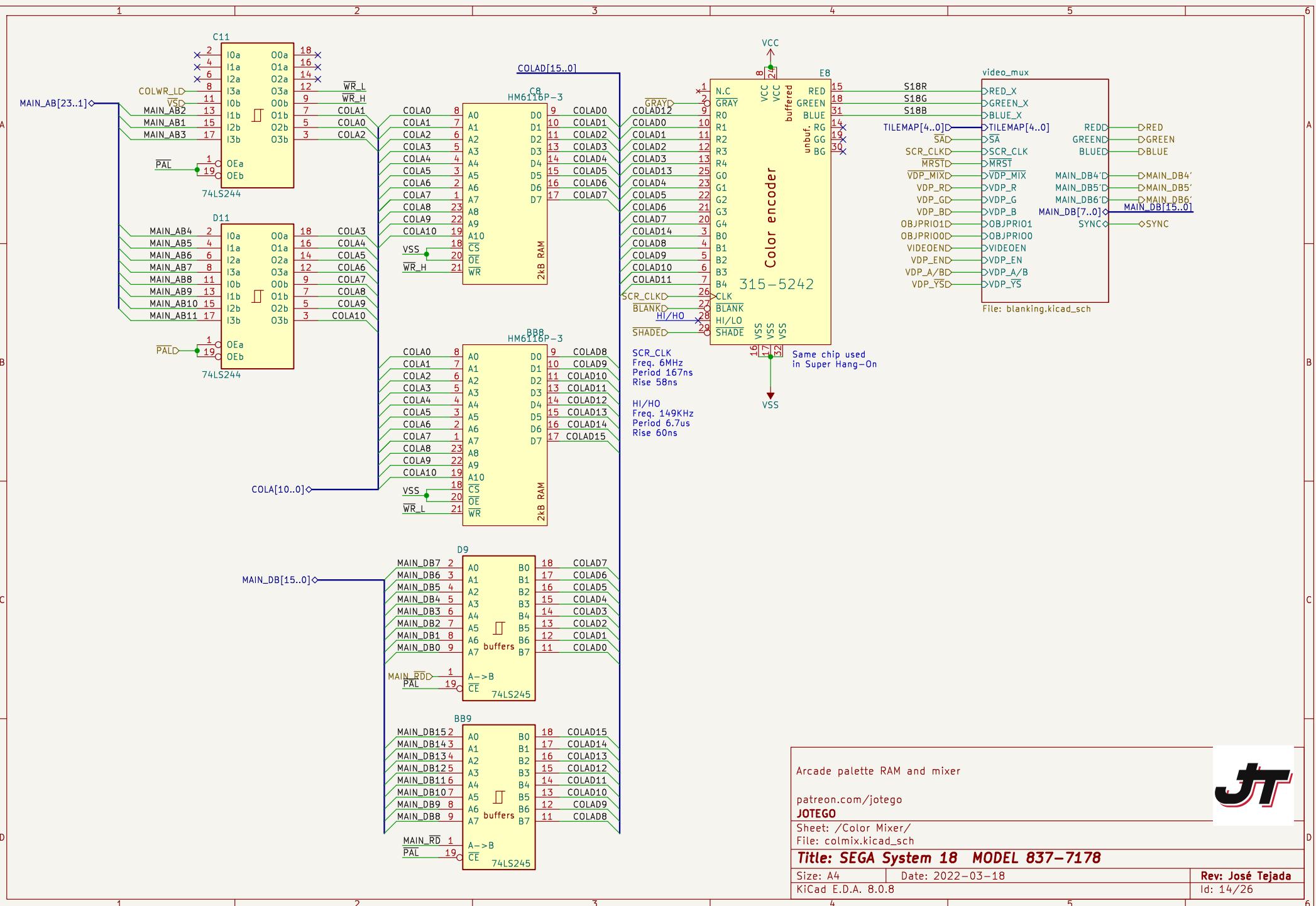
Id: 9/26

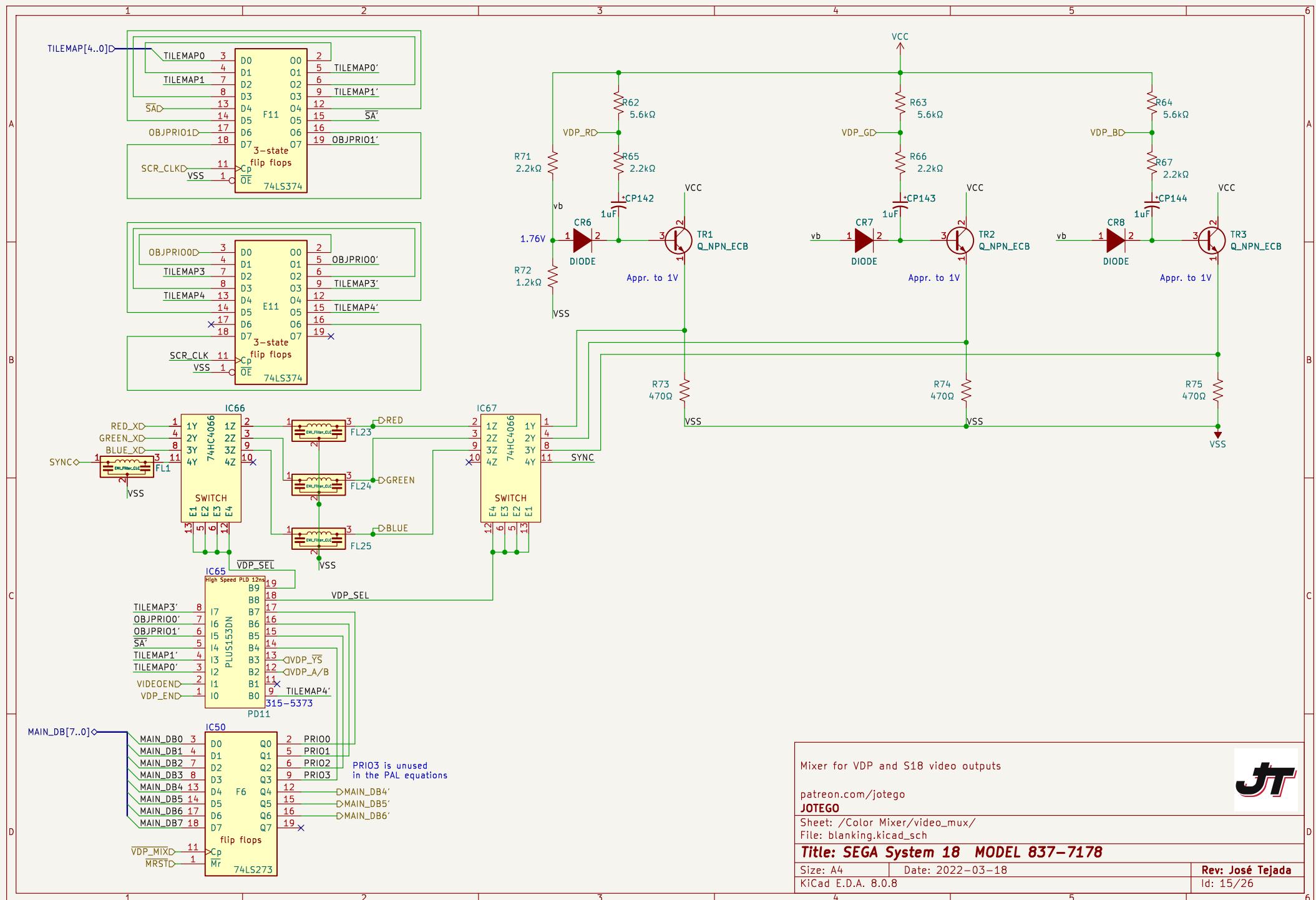




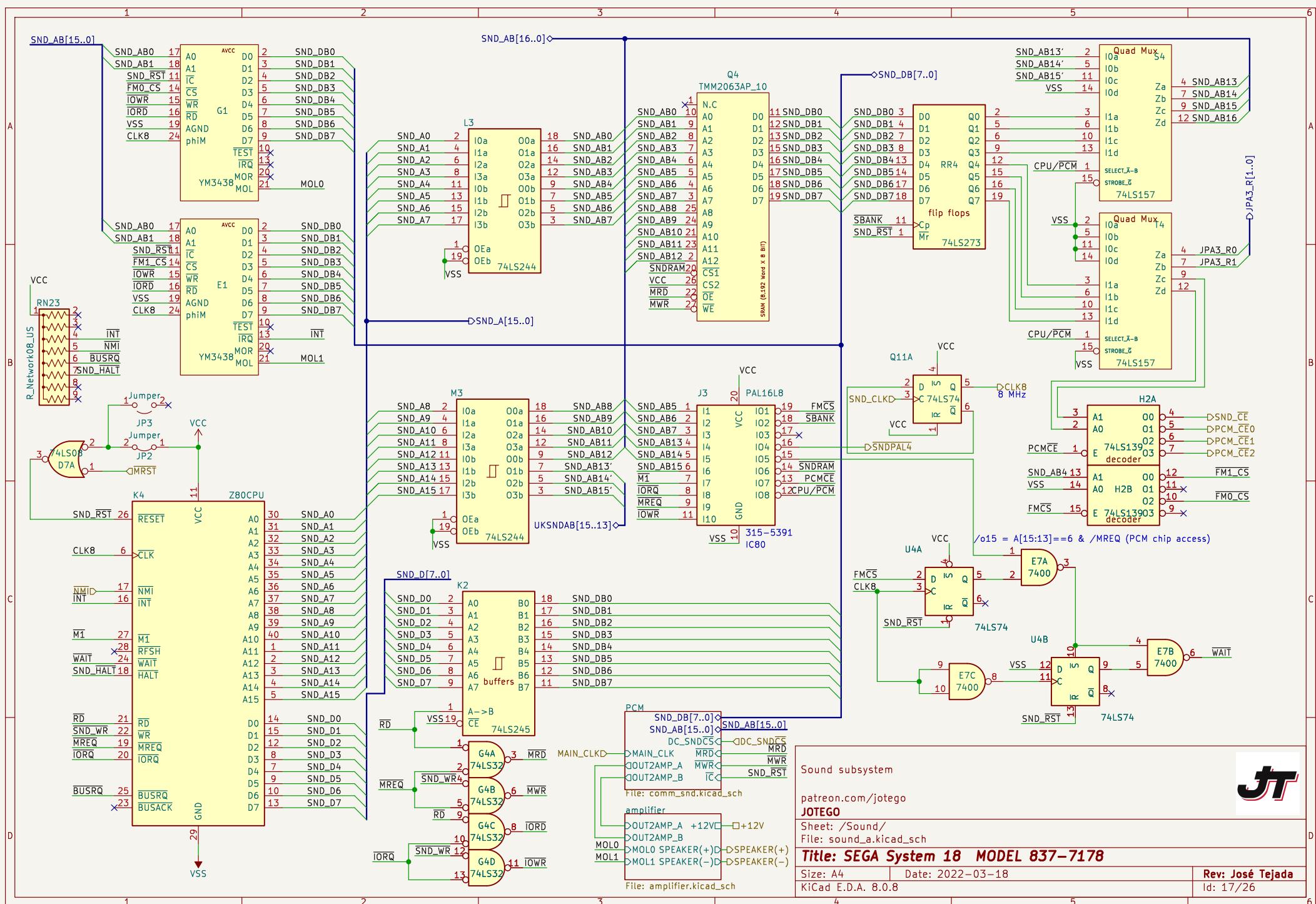


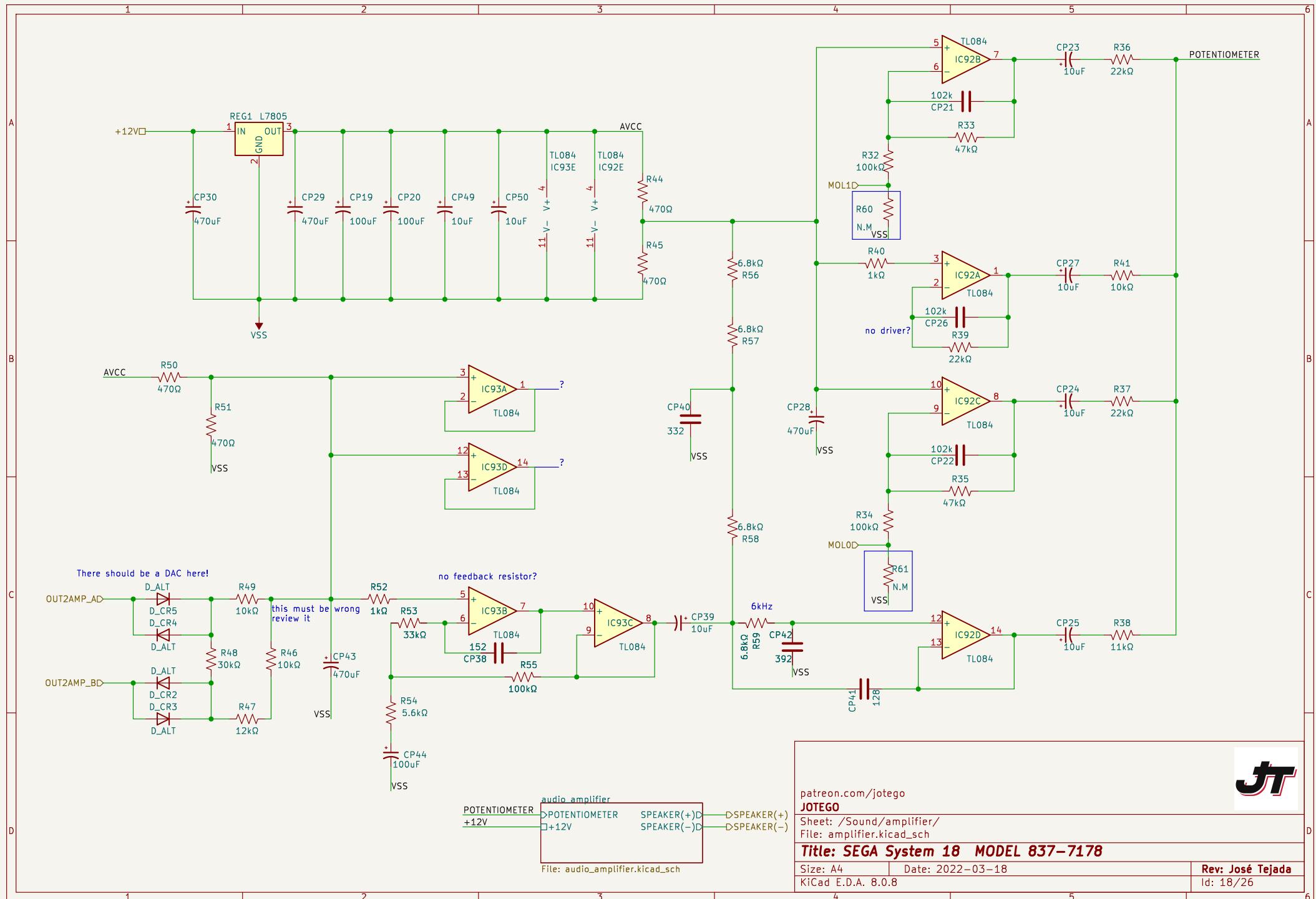




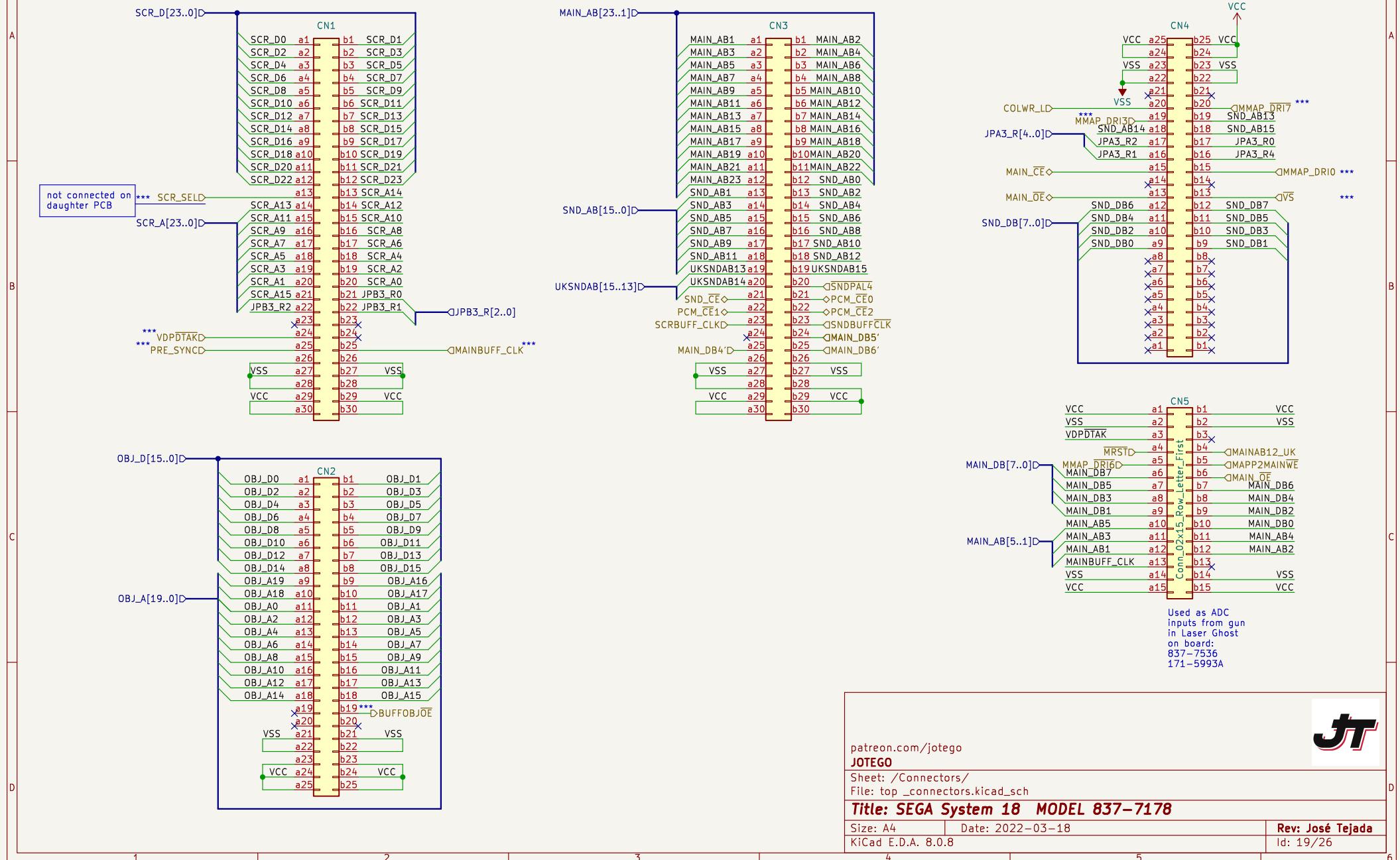


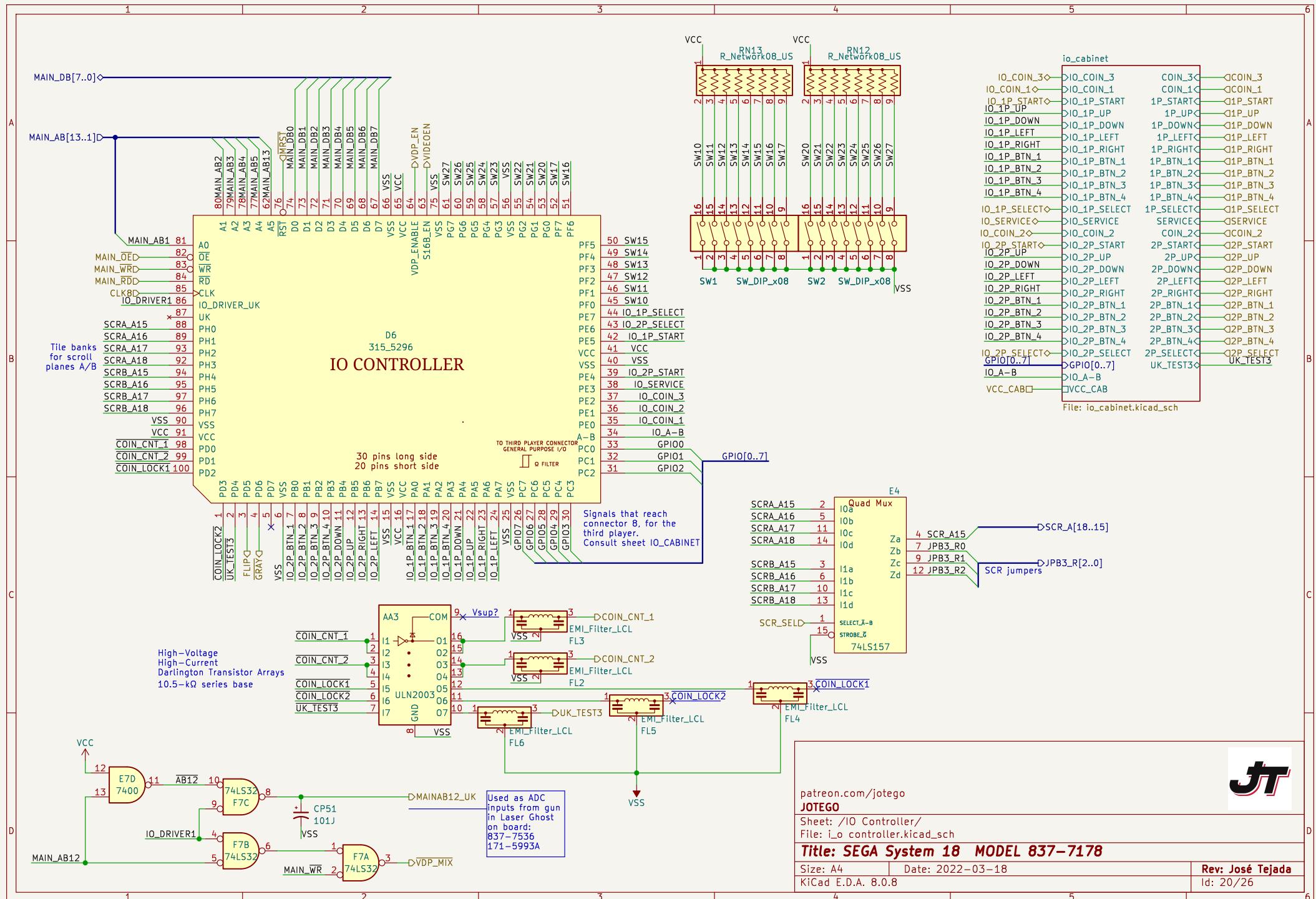


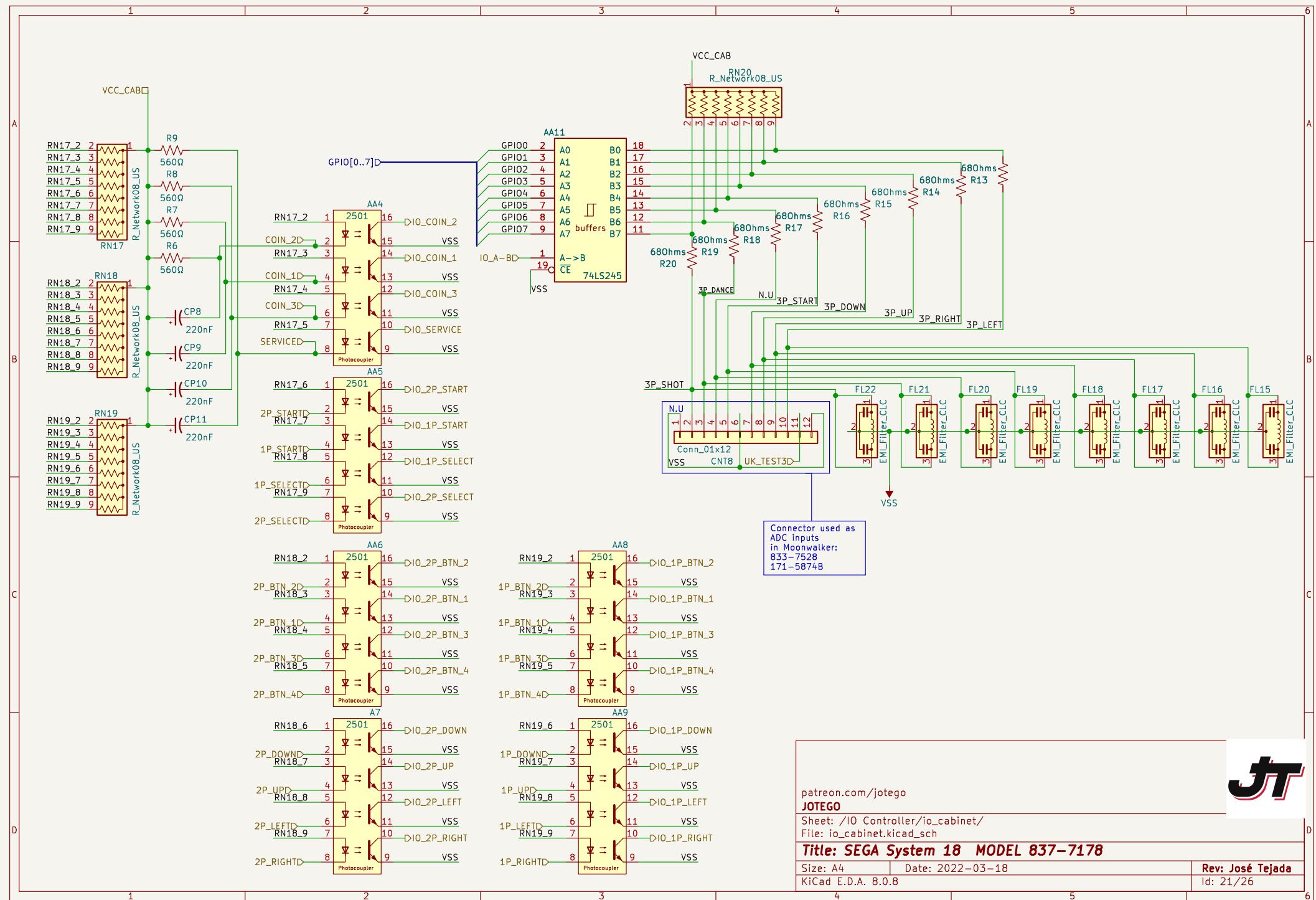


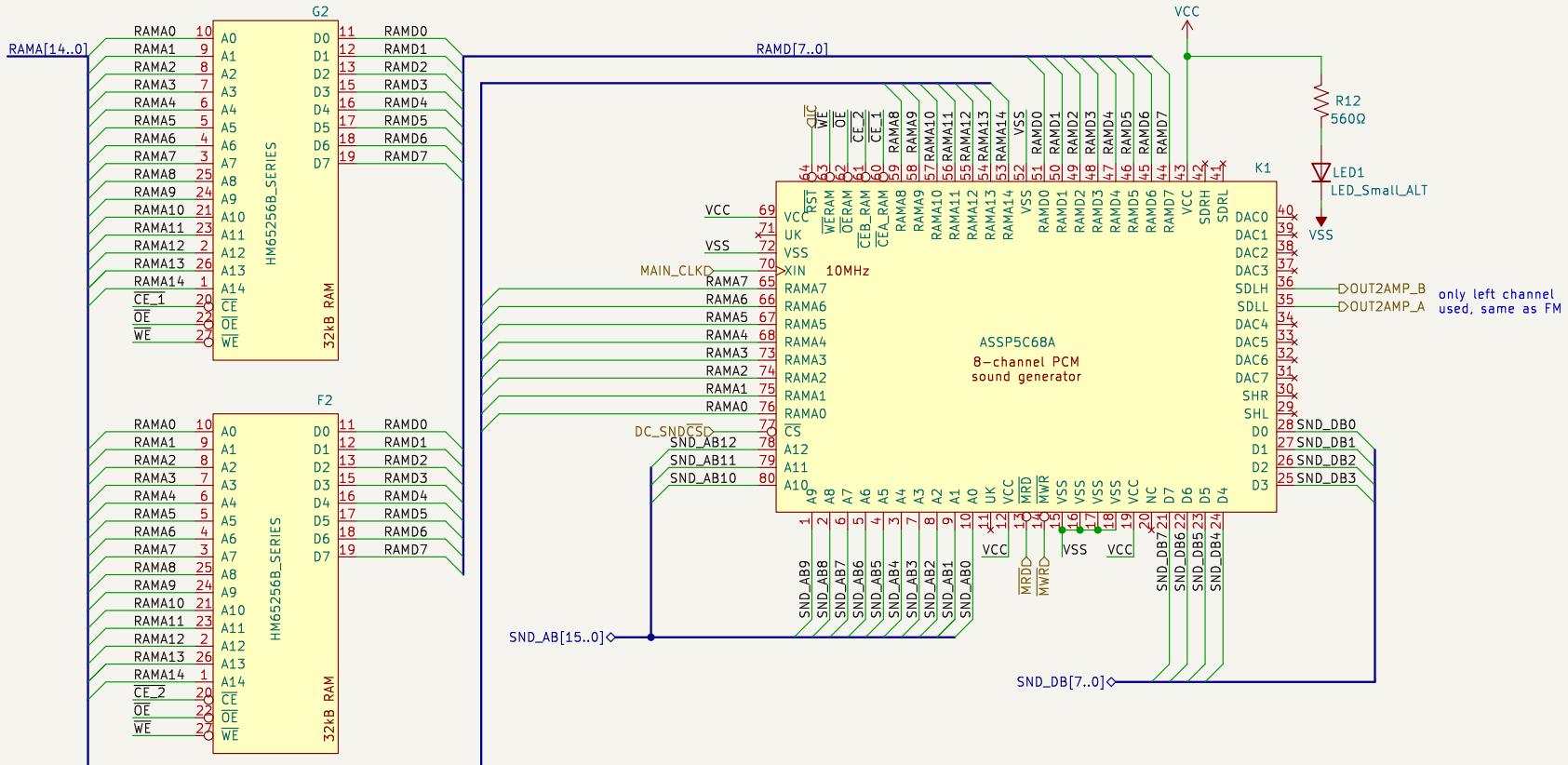


MOTHER AND DAUGHTER PCB CONNECTORS









PCM sound generator

patreon.com/jotego**JOTEGO**

Sheet: /Sound/PCM/

File: comm_snd.kicad_sch

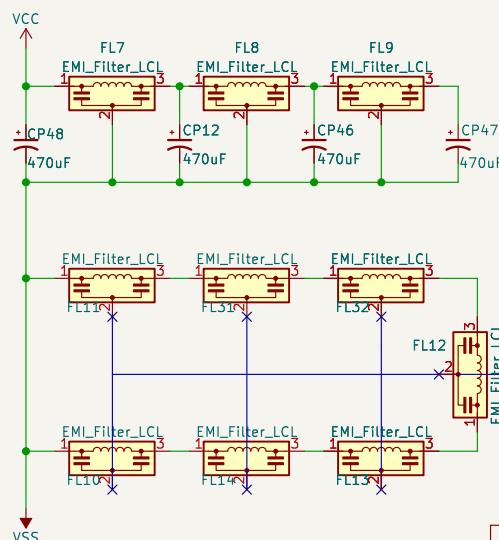
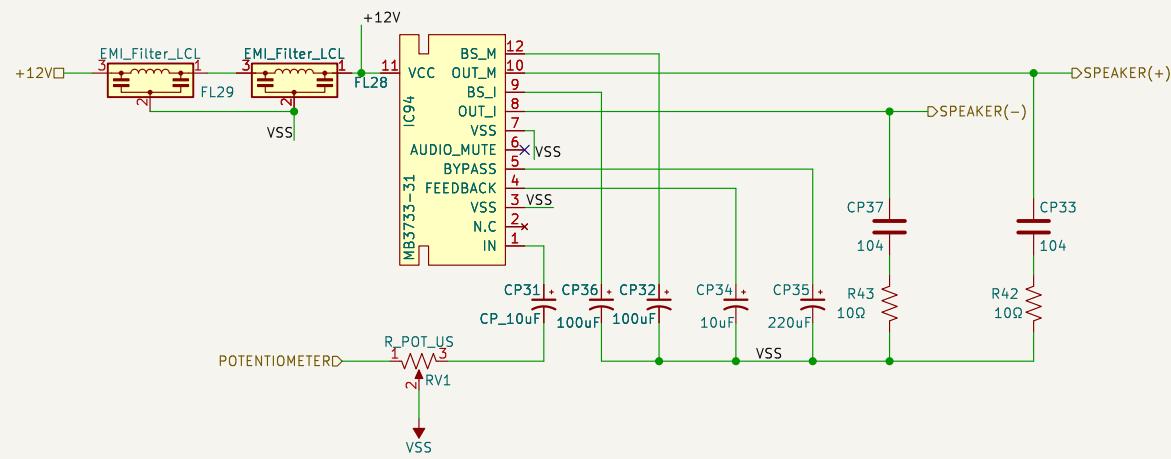
**Title: SEGA System 18 MODEL 837-7178**

Size: A4 Date: 2022-03-18

KiCad E.D.A. 8.0.8

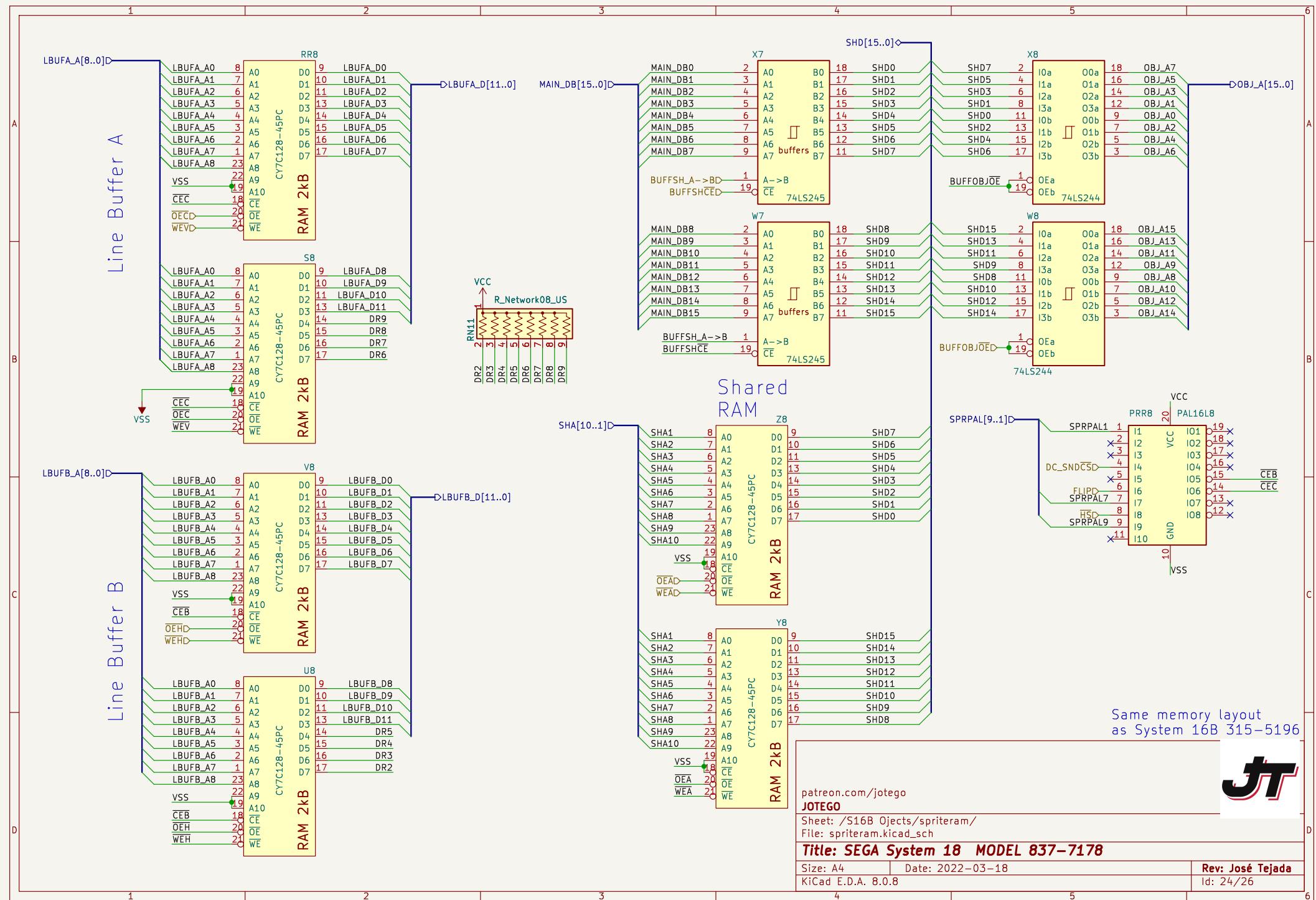
Rev: José Tejada

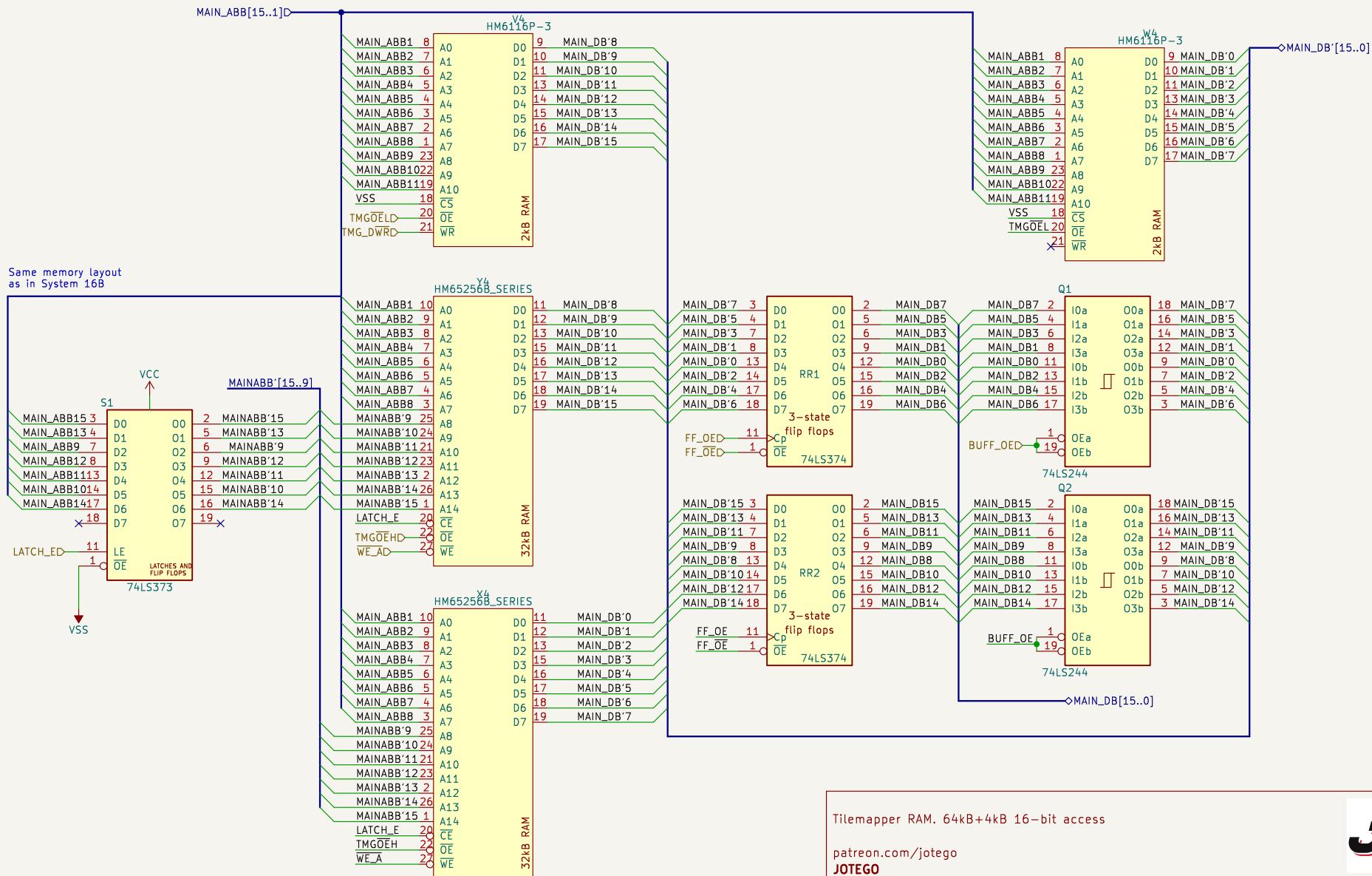
Id: 22/26



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.





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

patreon.com/jotego

JOTEGO

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

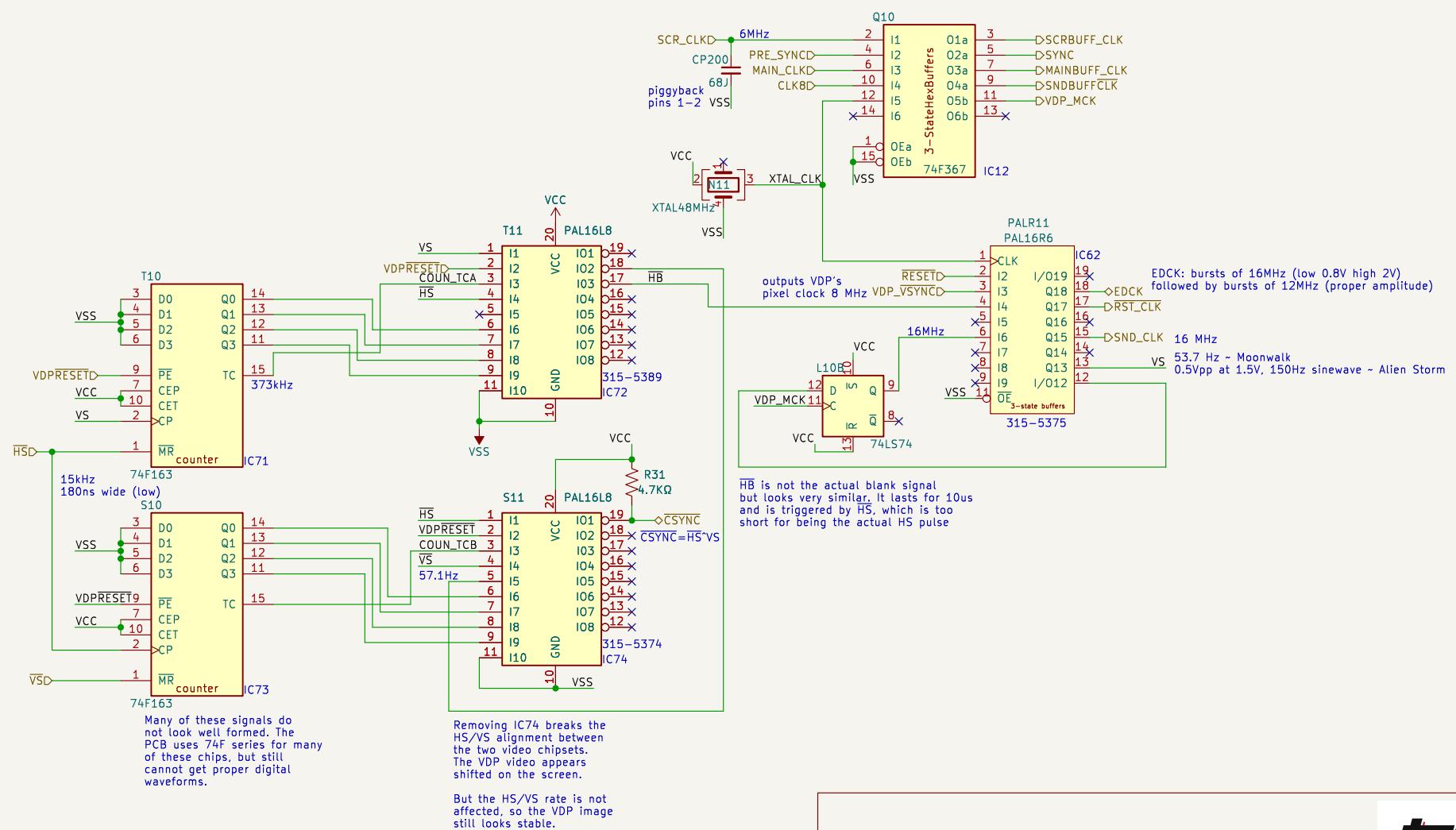
Title: SEGA System 18 MODEL 837-7178

Size: A4

Date: 2022-03-18

KiCad E.D.A. 8.0.8

The JT logo consists of the letters 'JT' in a stylized, bold font, with a red horizontal line running through the middle of the 'J'.



VDP pixel clock and csync generation
patreon.com/ioteqo

JOTEGO
Sheet: /Video Sync/

File: buffers.kicad_sch

title: SEGA System 18 MODEL 837-7178

The JT logo consists of the letters 'JT' in a bold, black, sans-serif font. A red horizontal line starts from the top of the 'J' and extends to the right, ending at the vertical stroke of the 'T'. The 'T' itself has a red horizontal bar at its top.