

A

A

B

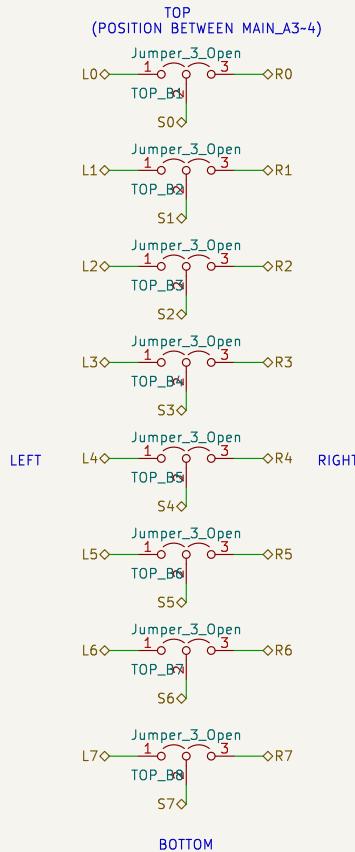
B

C

C

D

D



patreon.com/joteqo

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. 8.0.5

Rev: José Tejada

Id: 3/26

A

A

B

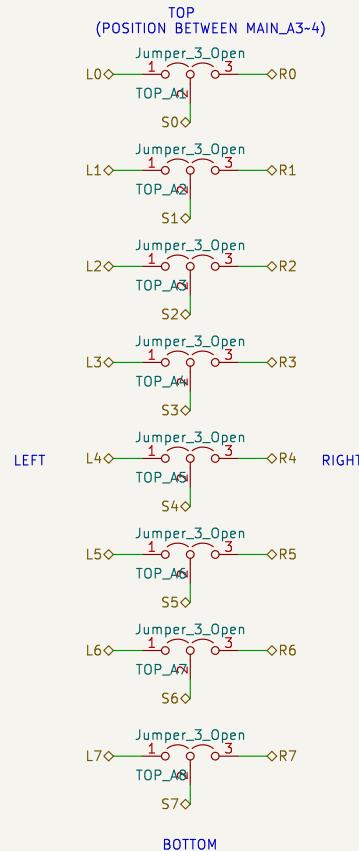
B

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. 8.0.5



Rev: José Tejada
 Id: 4/26

A

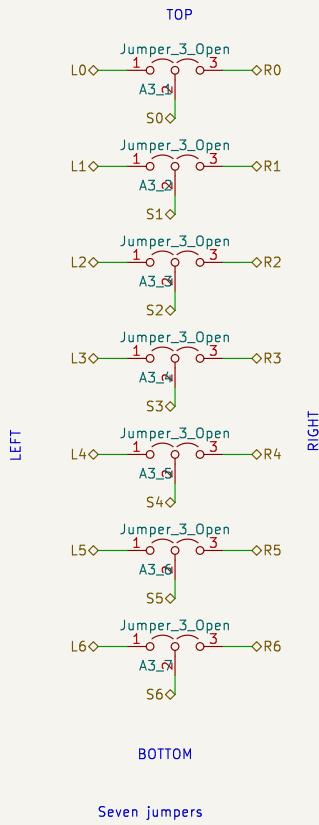
A

B

B

C

C



patreon.com/joteqo

JOTEGO

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

Title: SEGA System 18 MODEL 837-7178

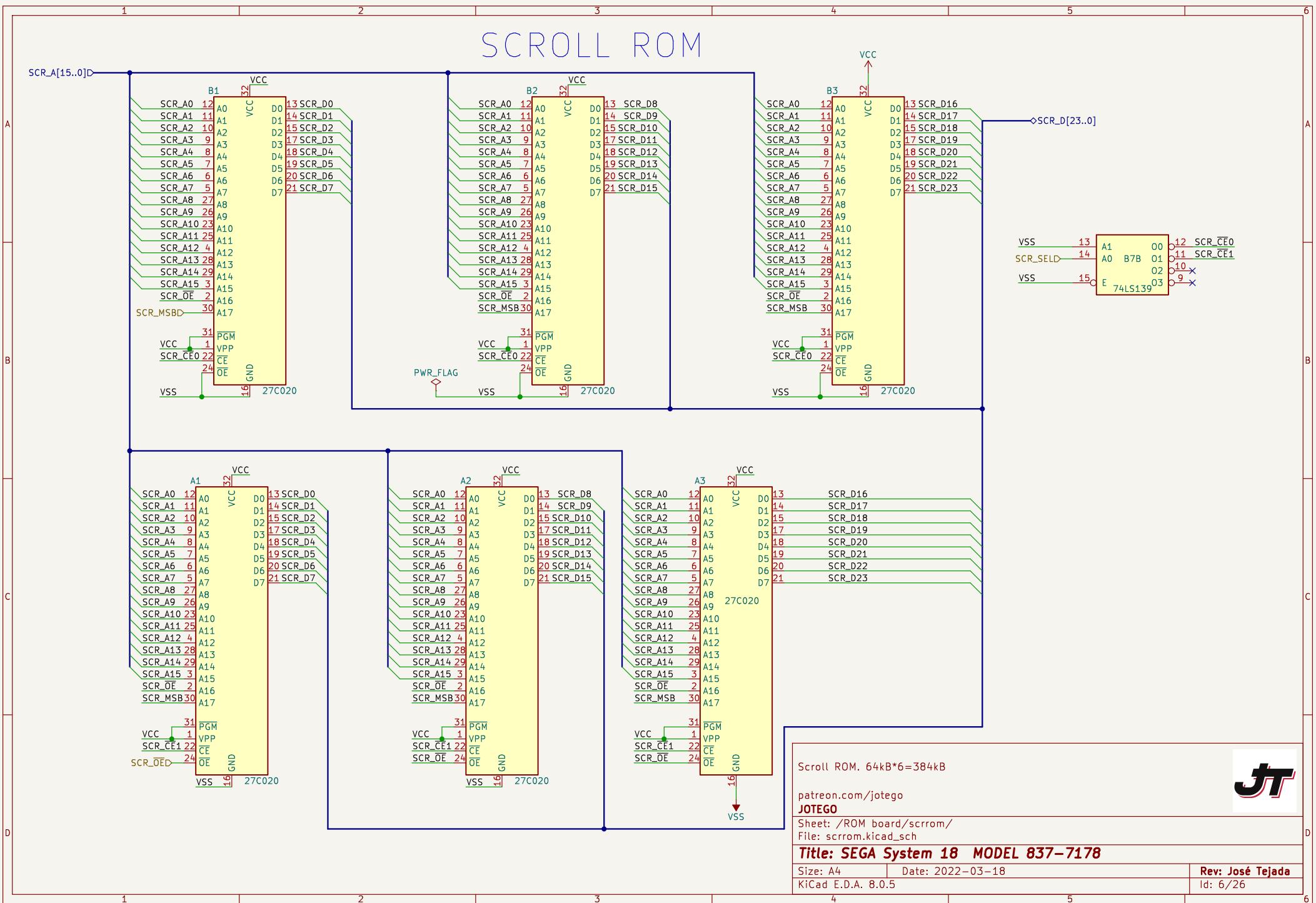
Size: A4 Date: 2022-03-18

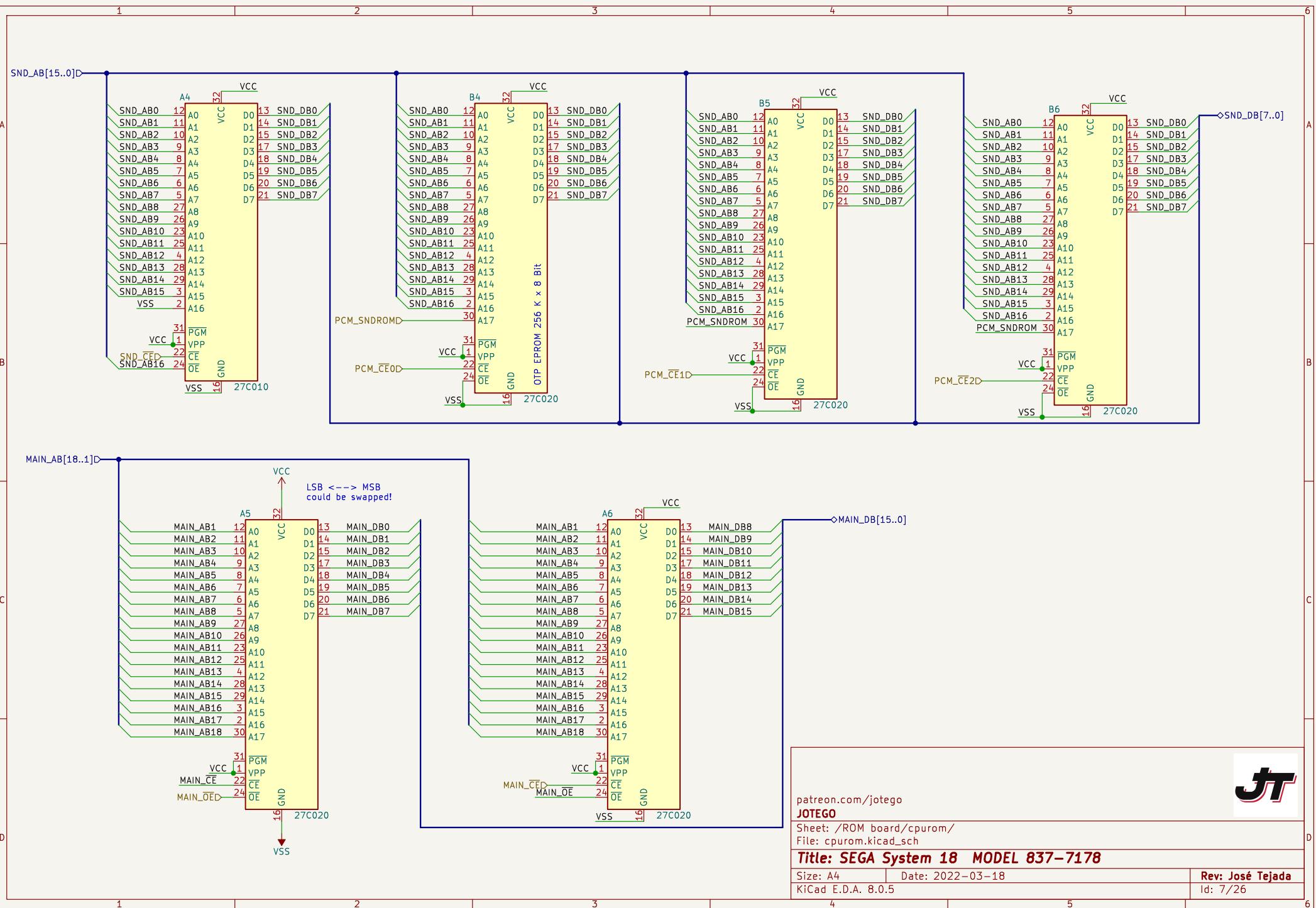
KiCad E.D.A. 8.0.5

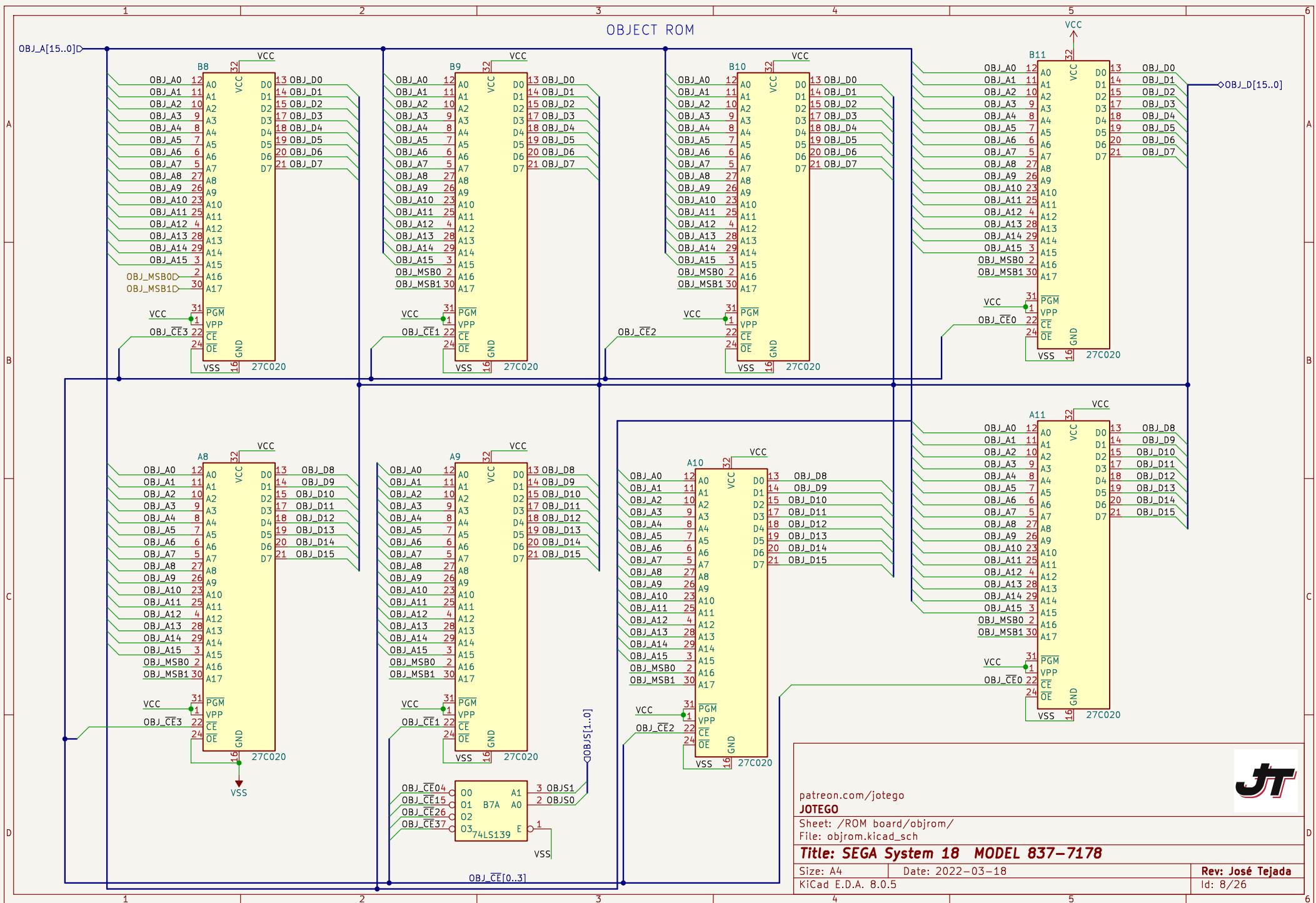
Rev: José Tejada

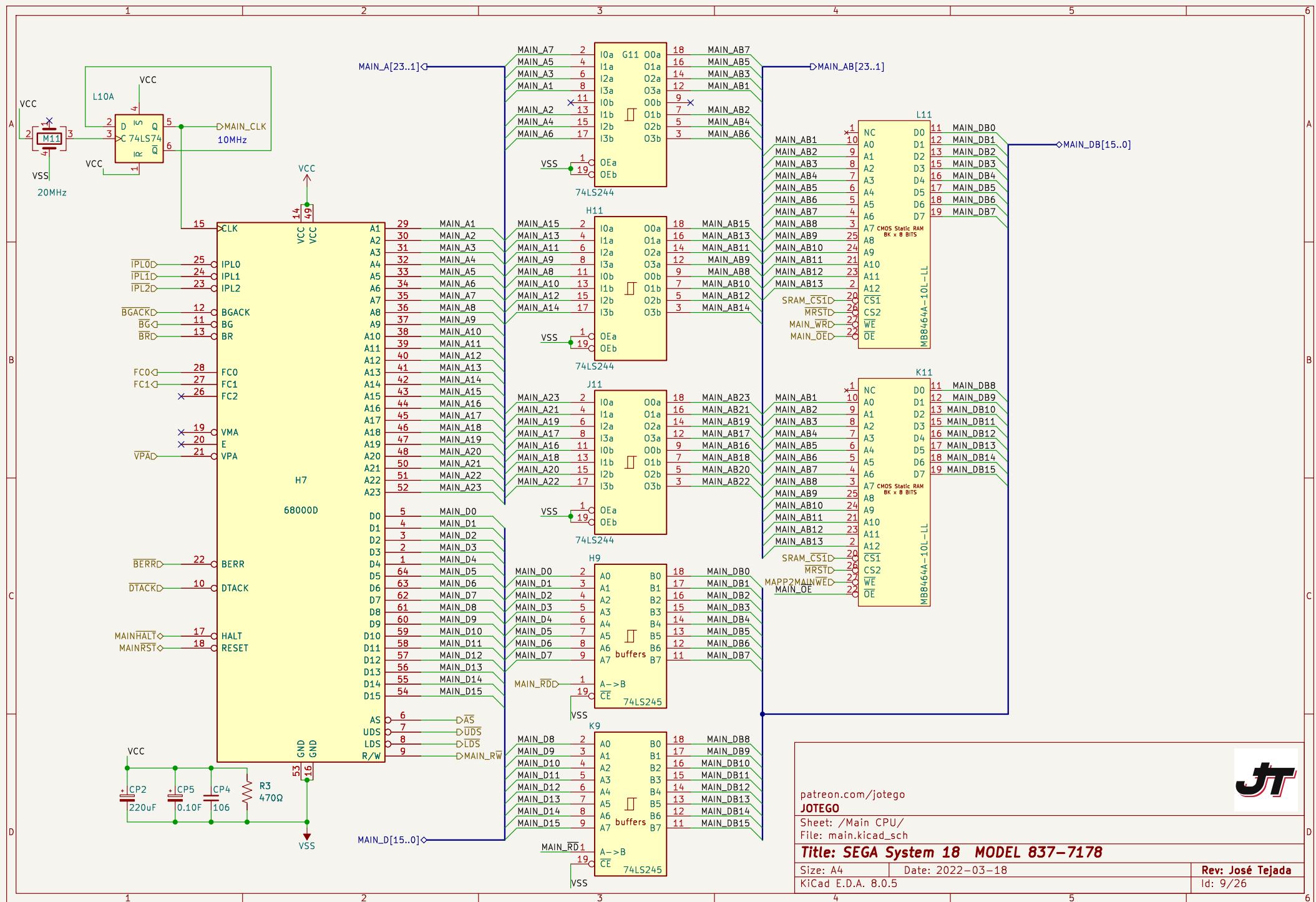
Id: 5/26

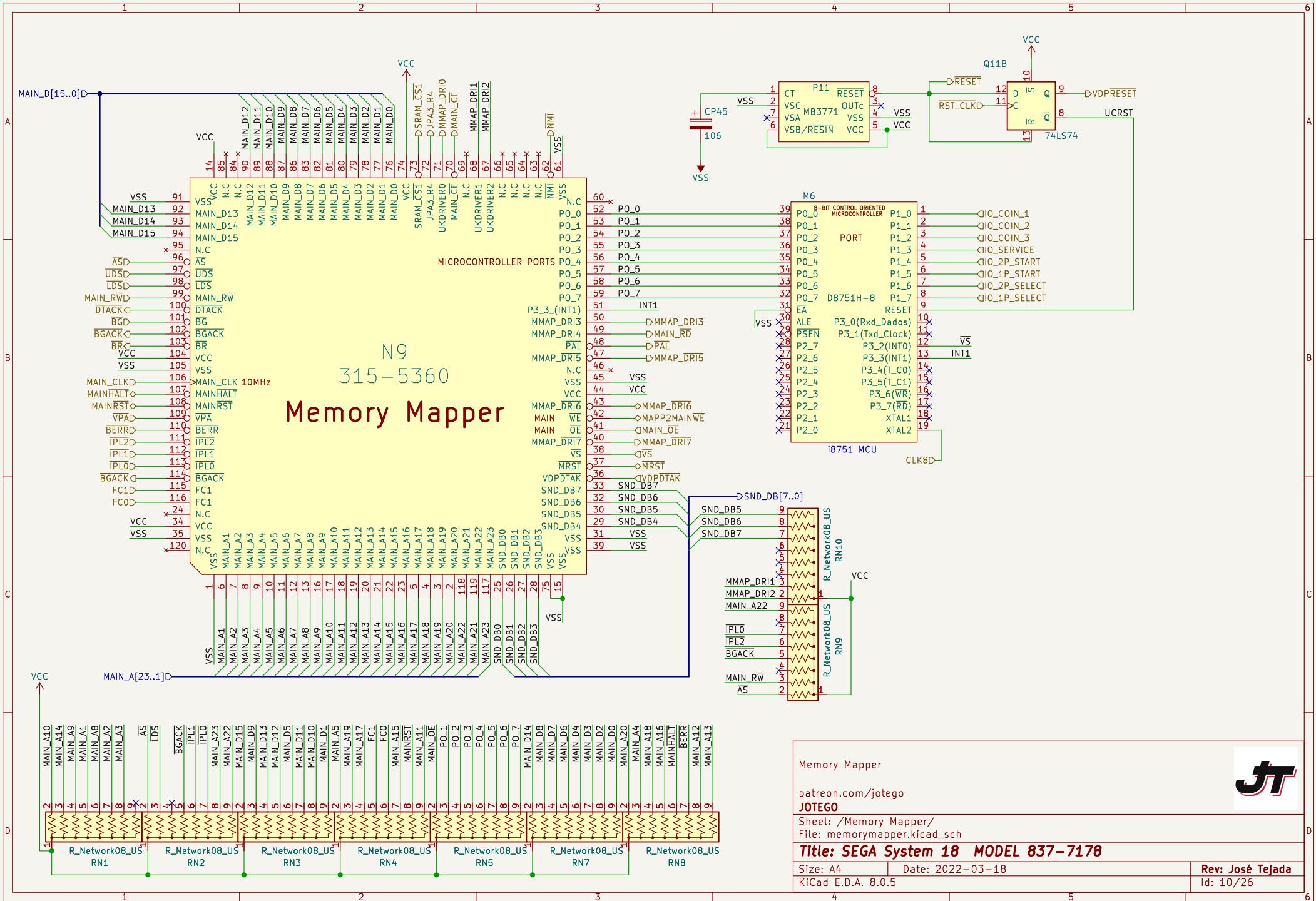
SCROLL ROM

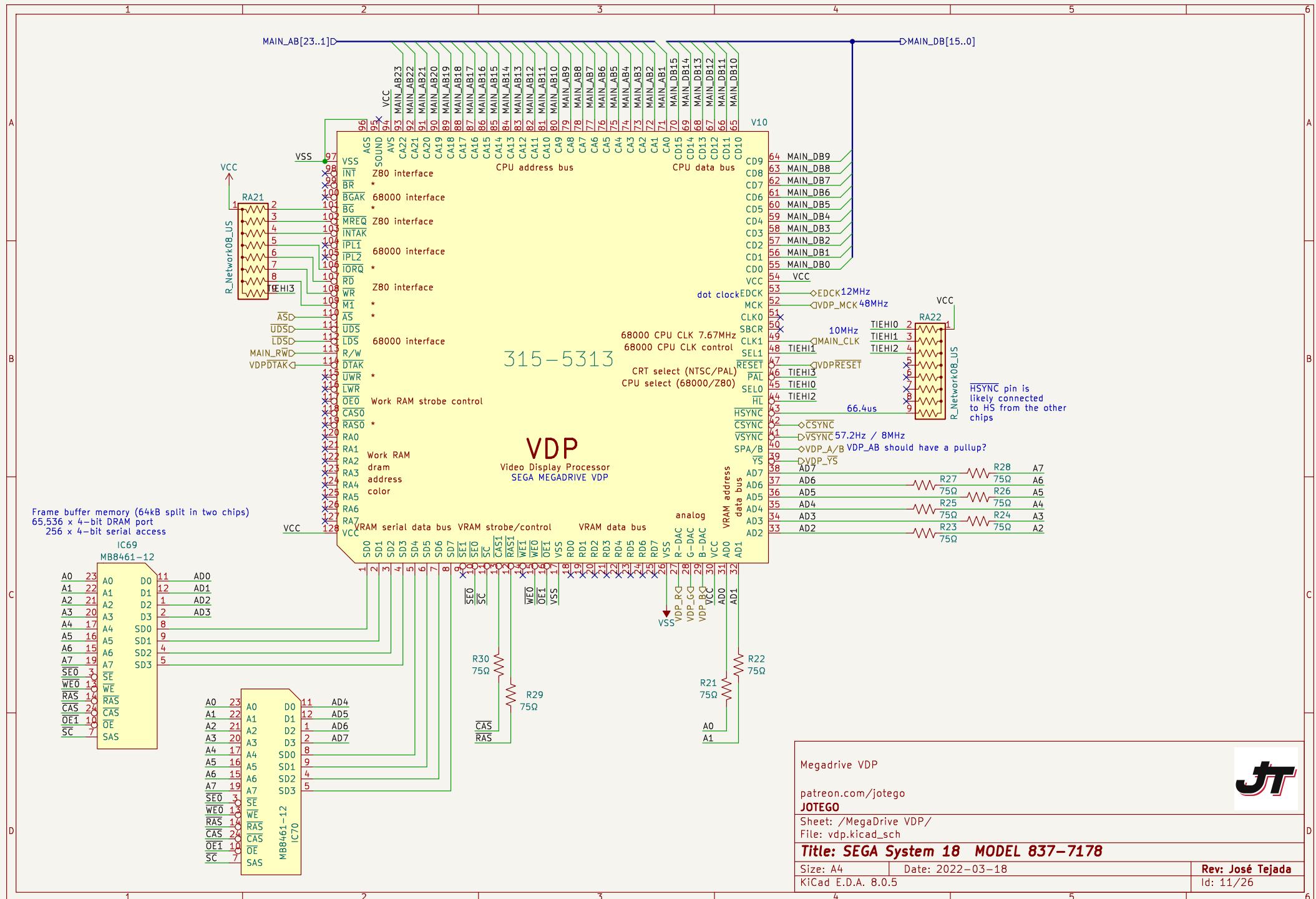


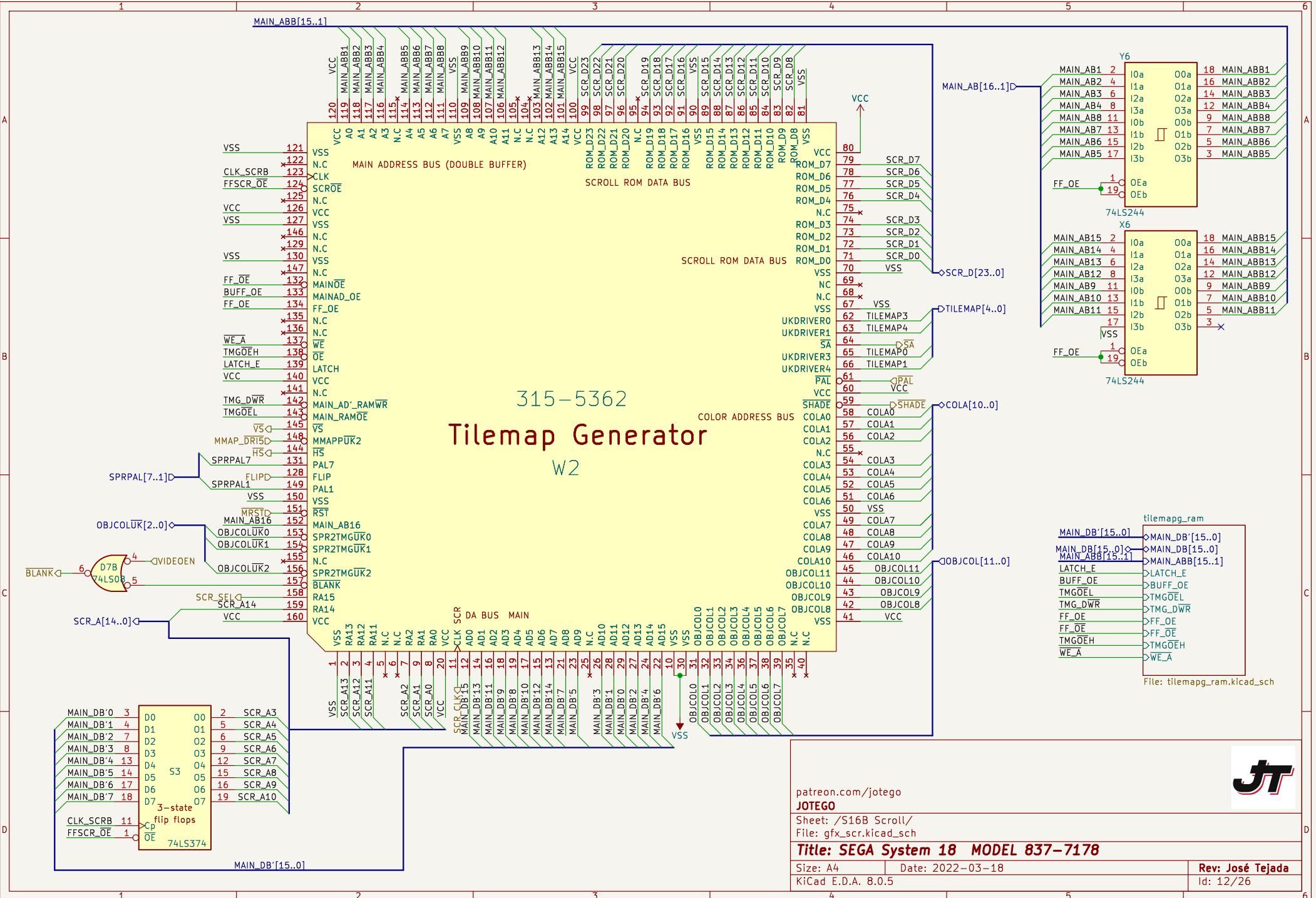


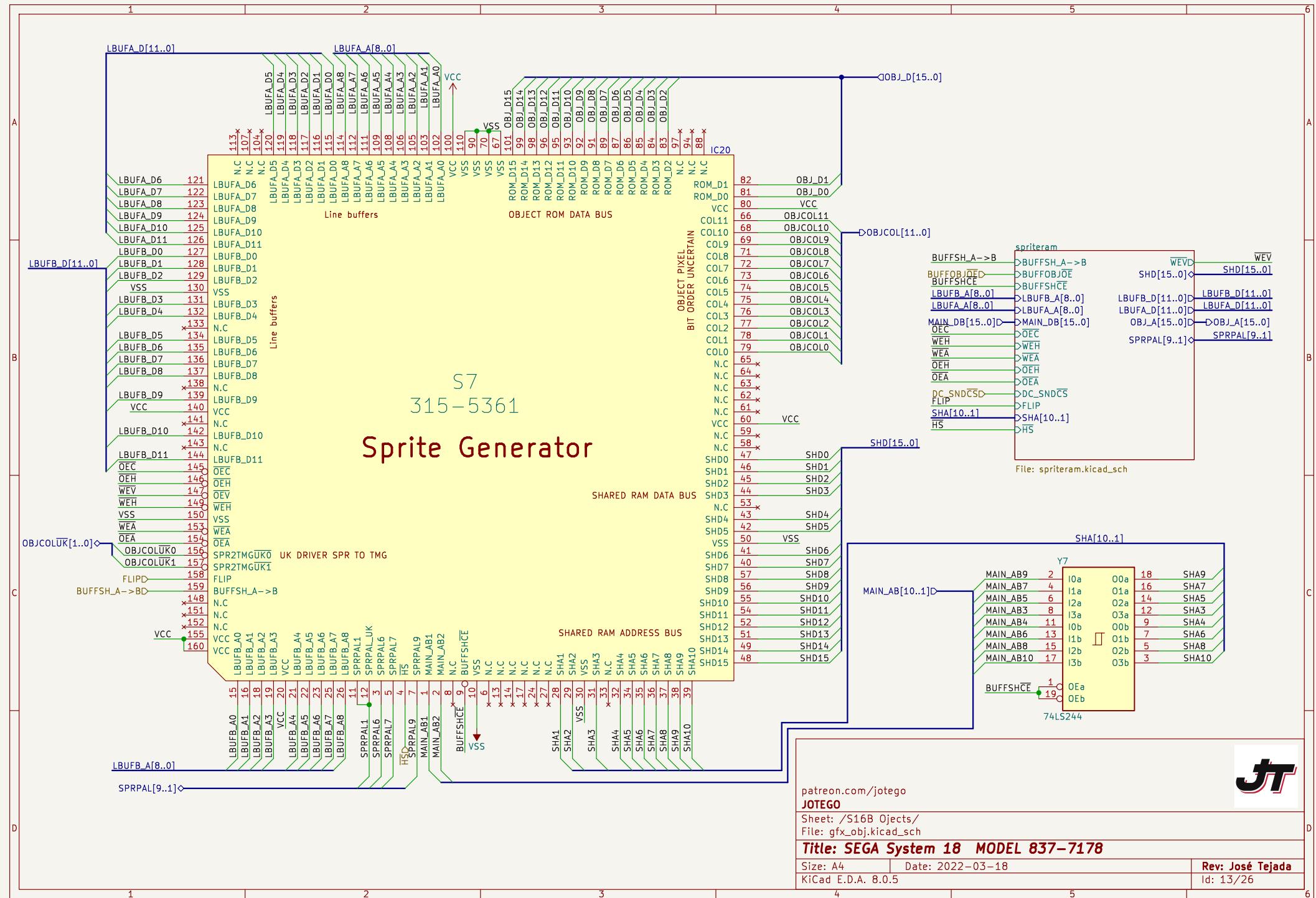


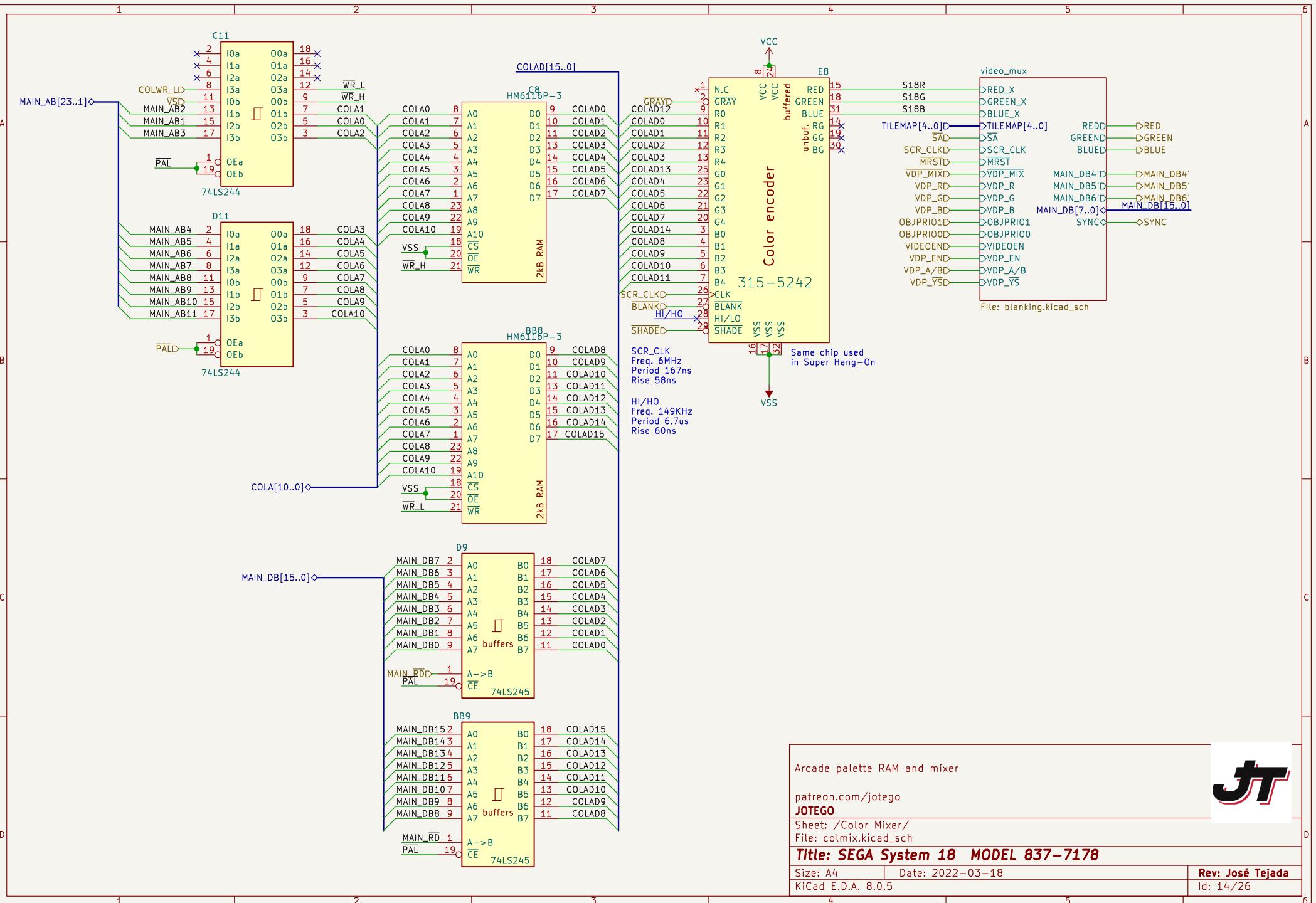


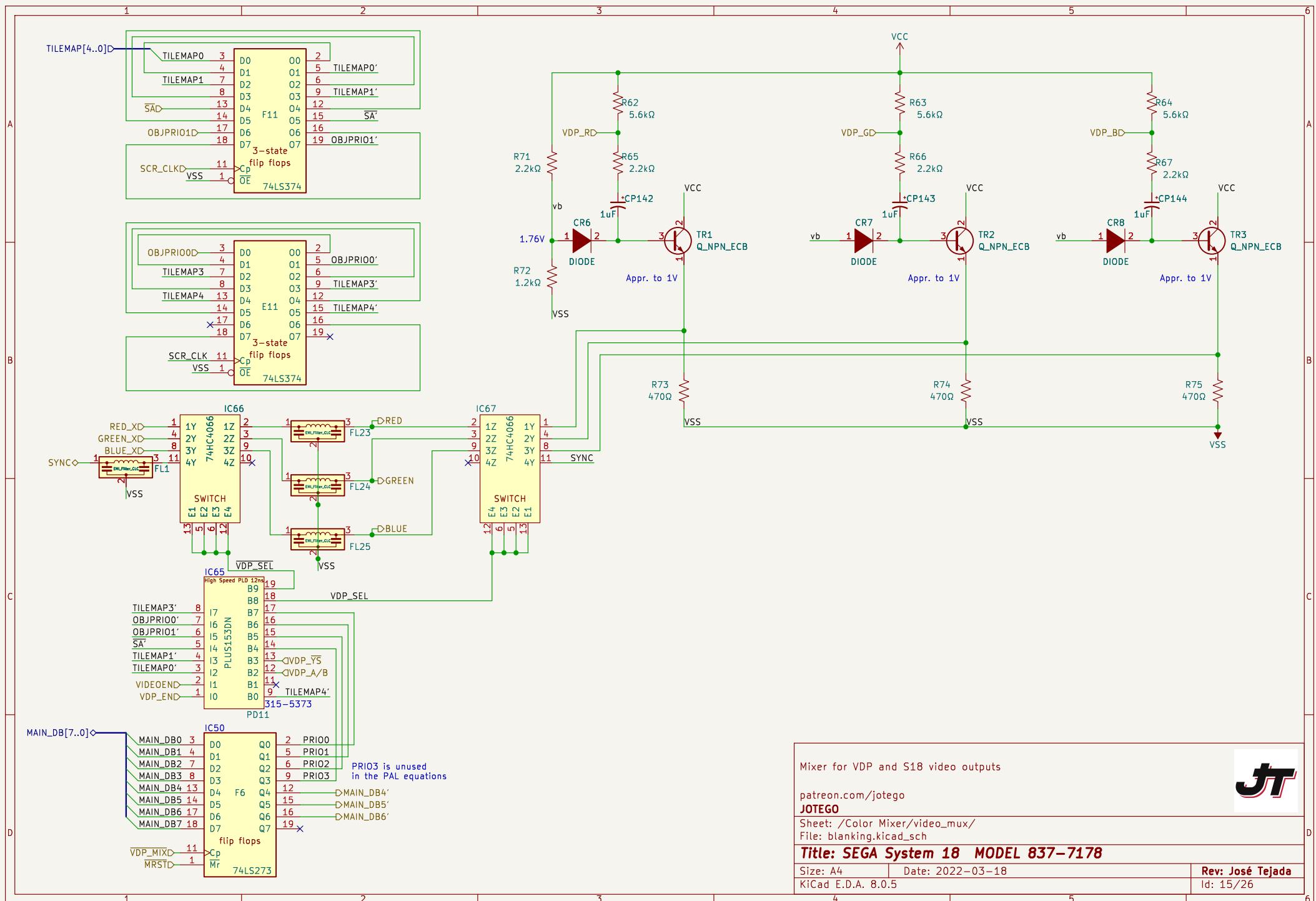




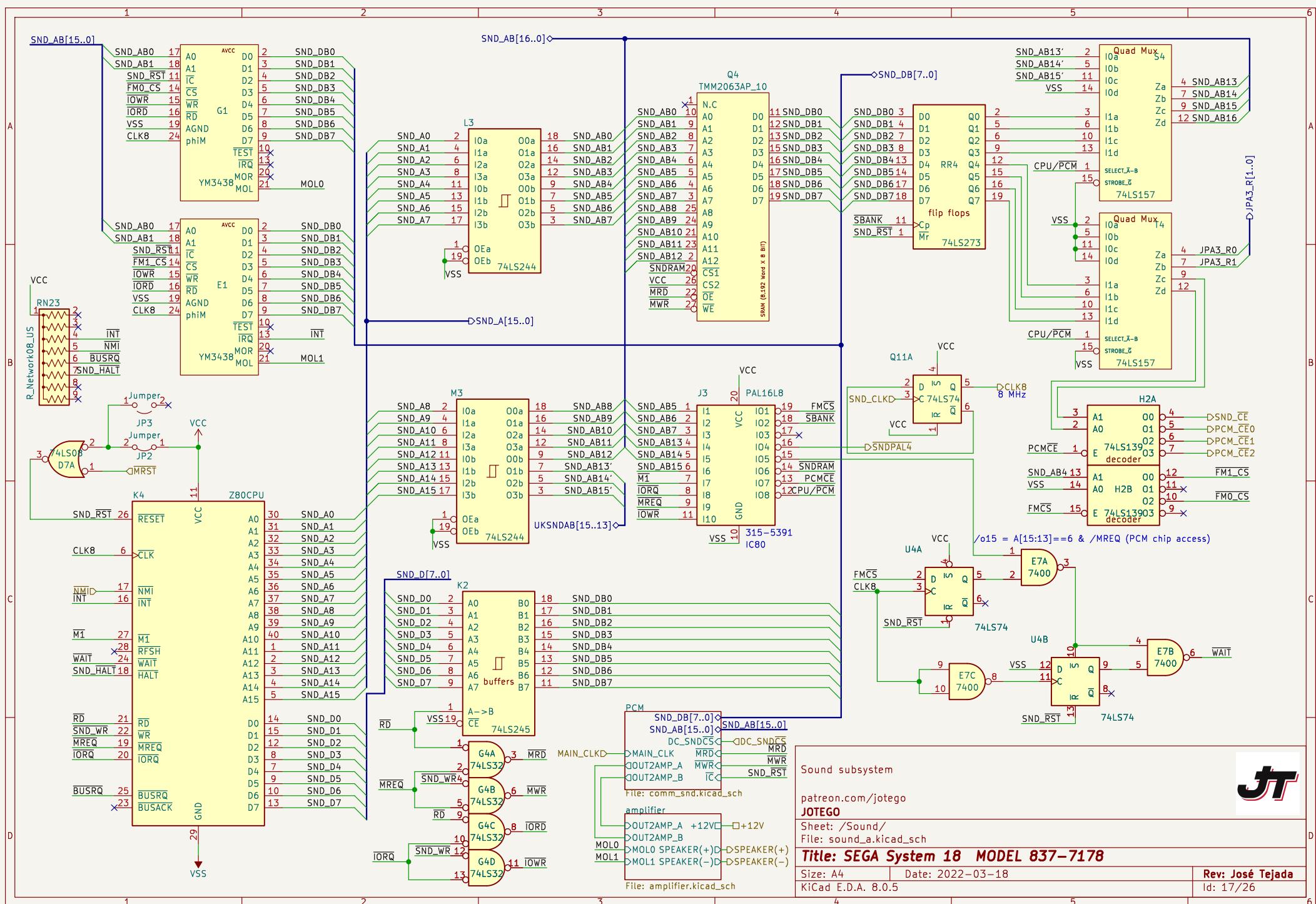


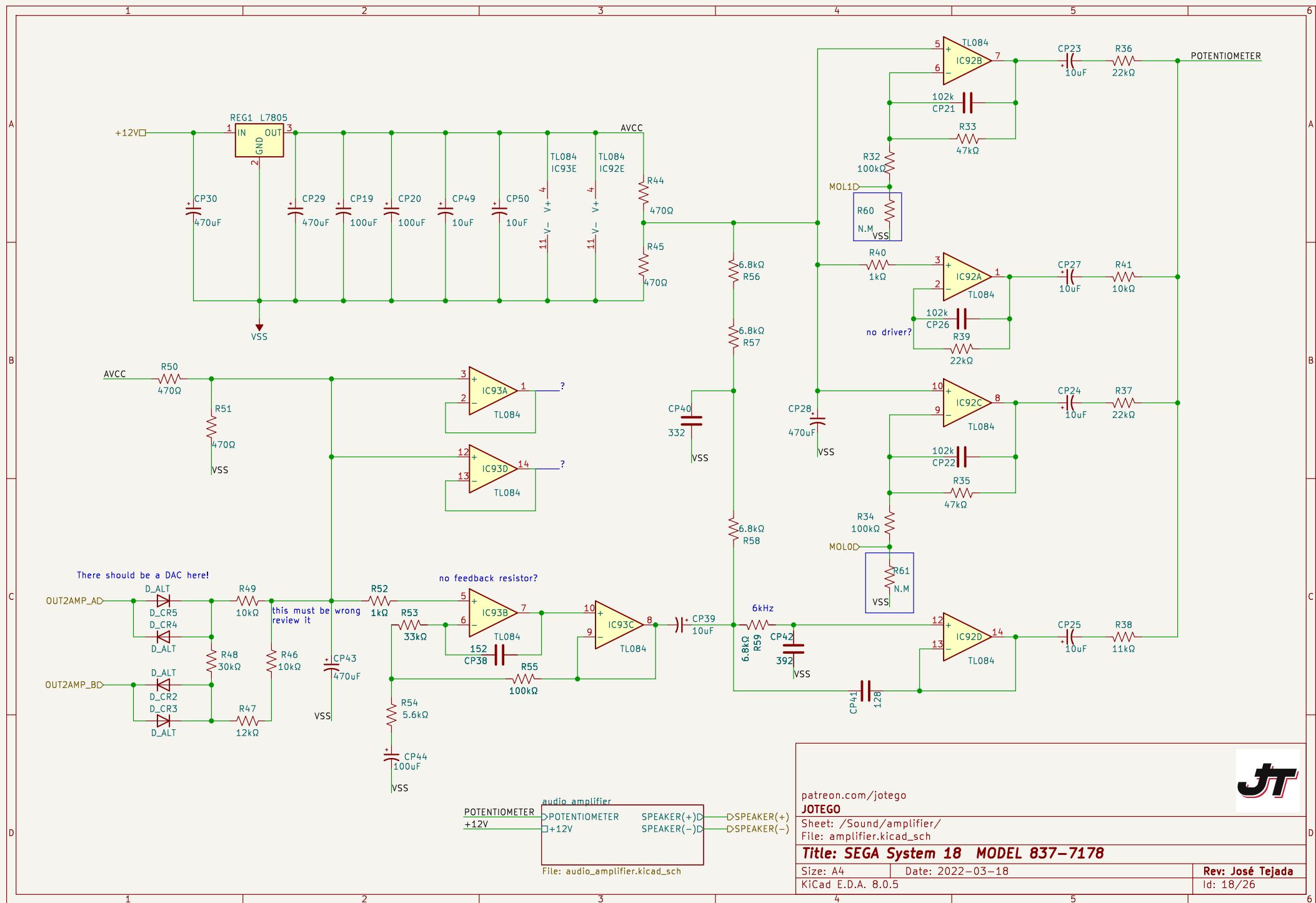












JT

patreon.com/jotego

JOTEGO

Sheet: /Sound/amplifier/

File: amplifier.kicad_sch

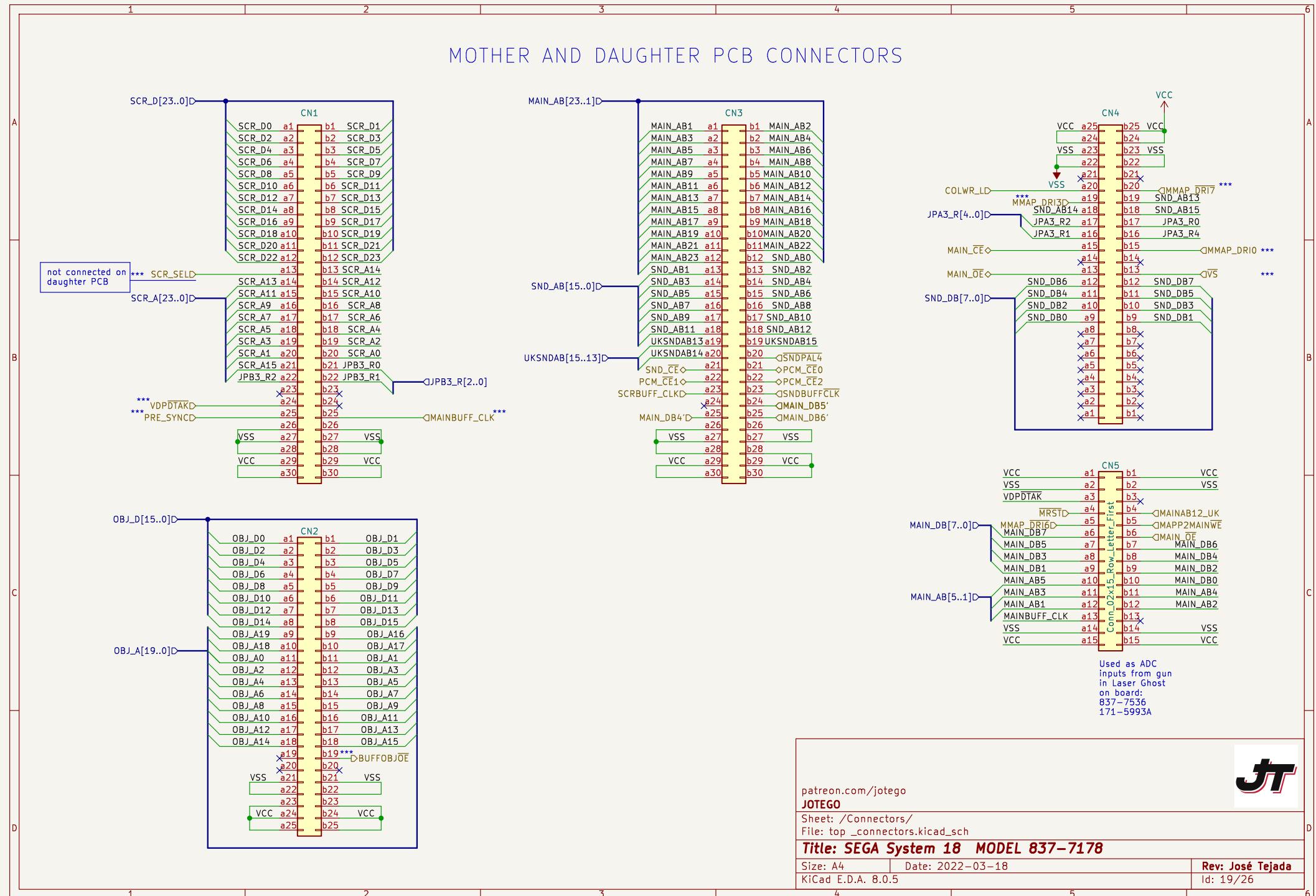
Title: SEGA System 18 MODEL 837-7178

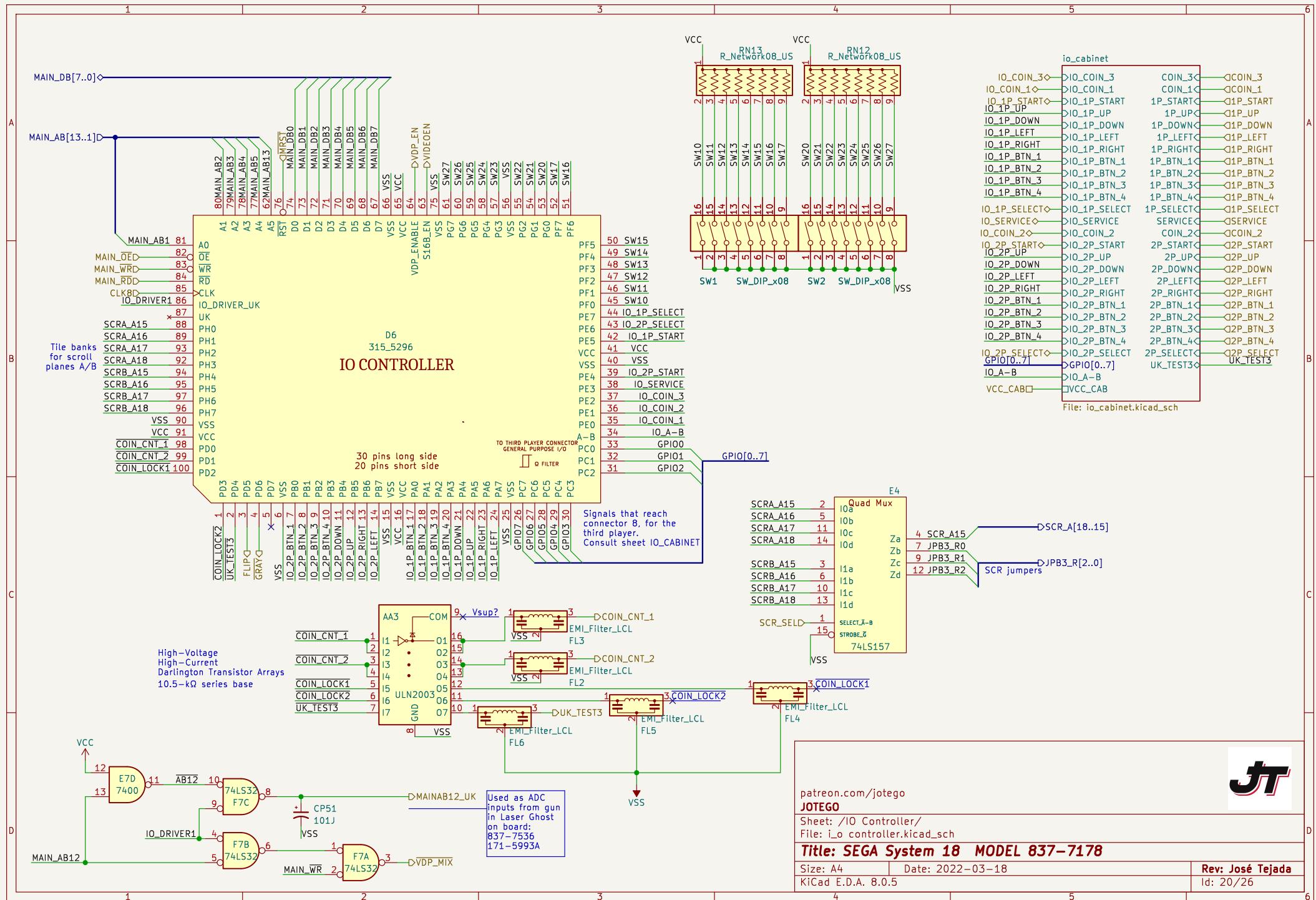
Size: A4 Date: 2022-03-18

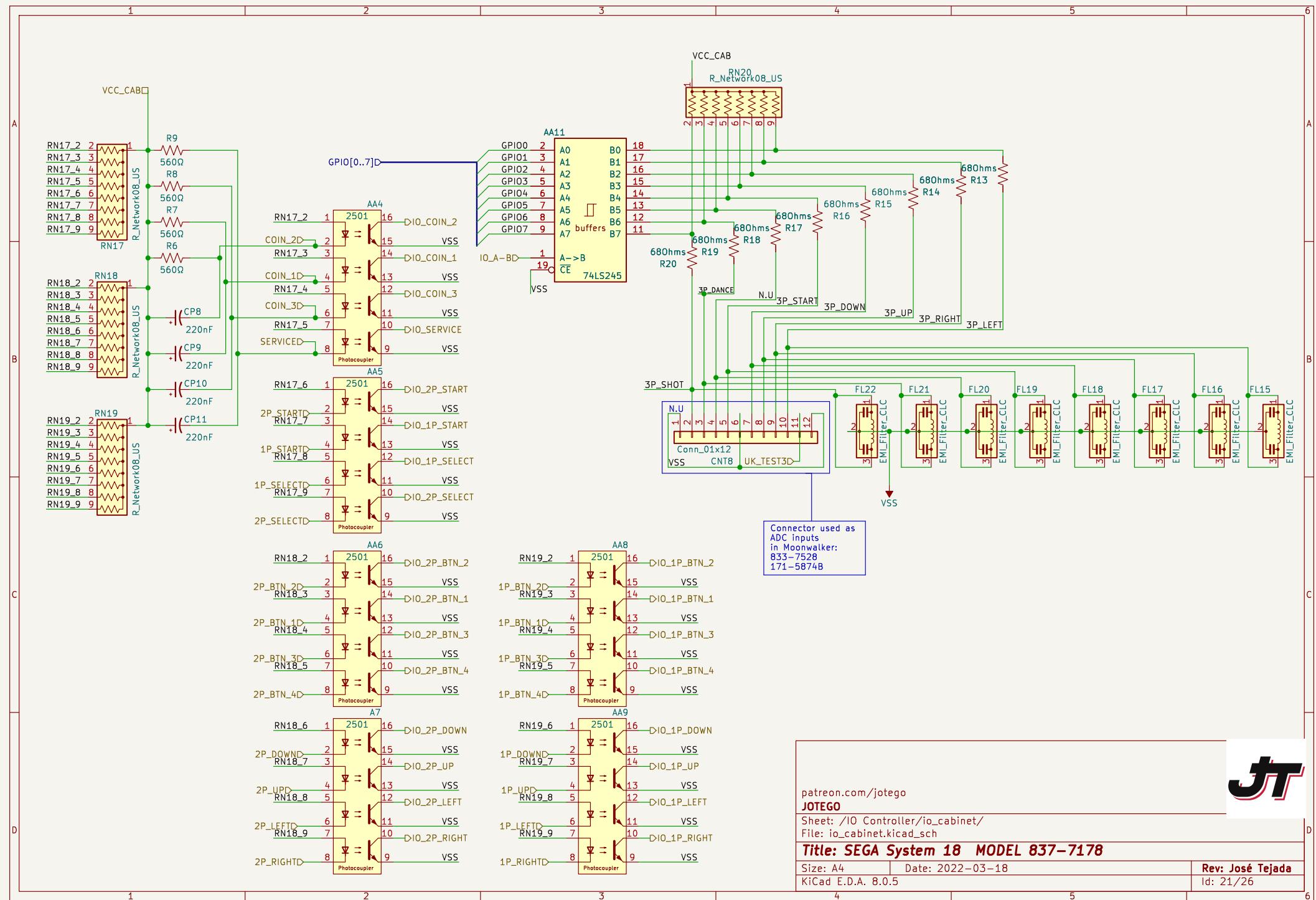
KiCad E.D.A. 8.0.5

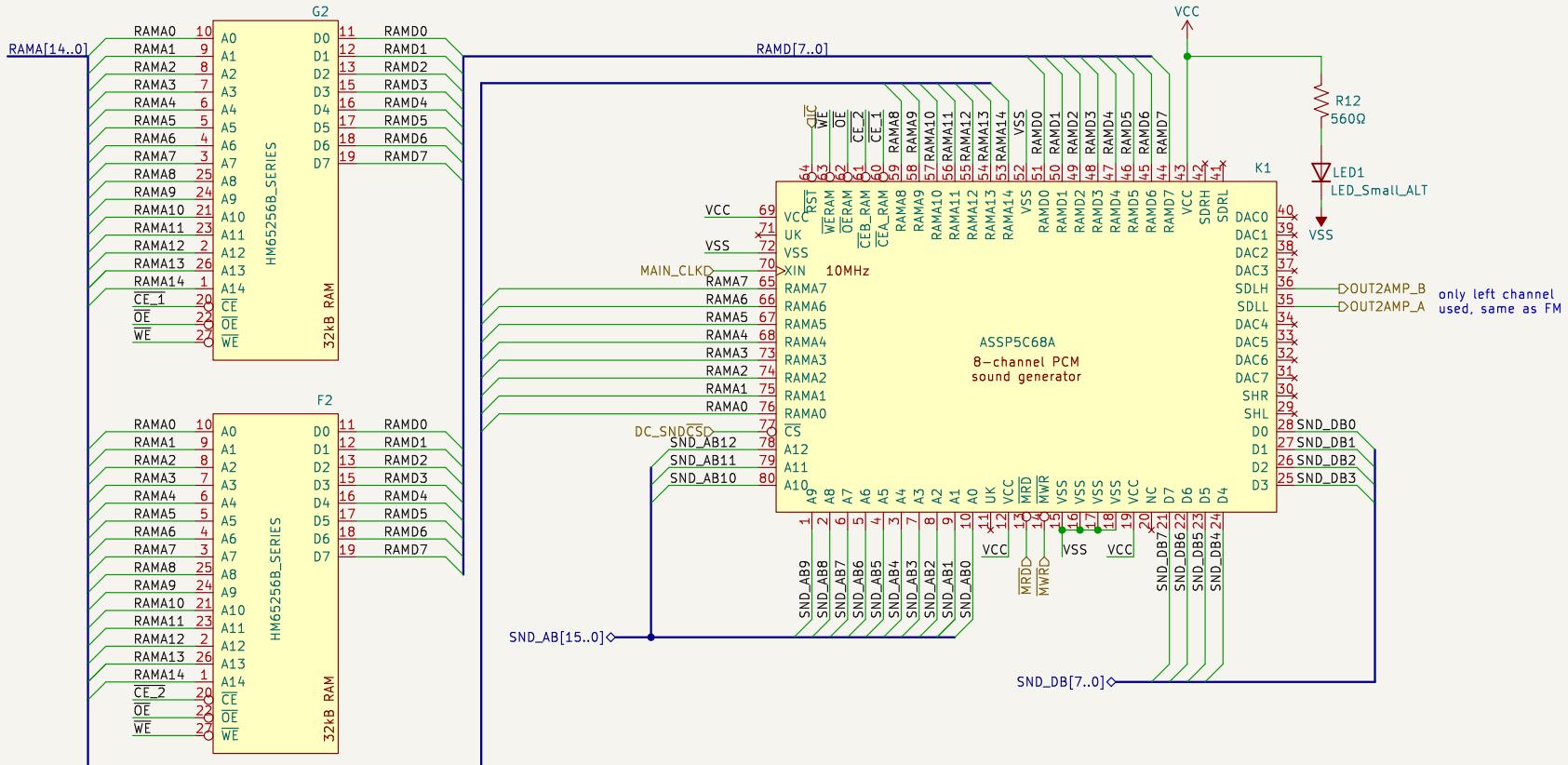
Rev: José Tejada

Id: 18/26









PCM sound generator

patreon.com/jotego**JOTEGO**

Sheet: /Sound/PCM/

File: comm_snd.kicad_sch

Title: SEGA System 18 MODEL 837-7178

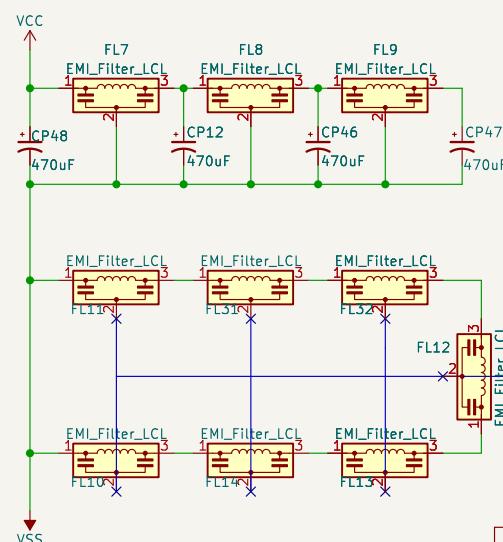
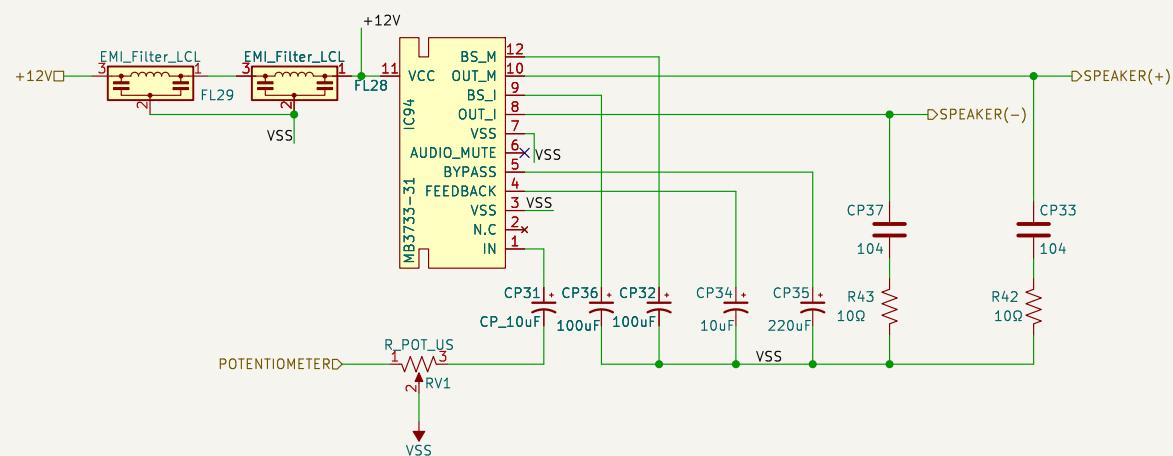
Size: A4 Date: 2022-03-18

KiCad E.D.A. 8.0.5



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.

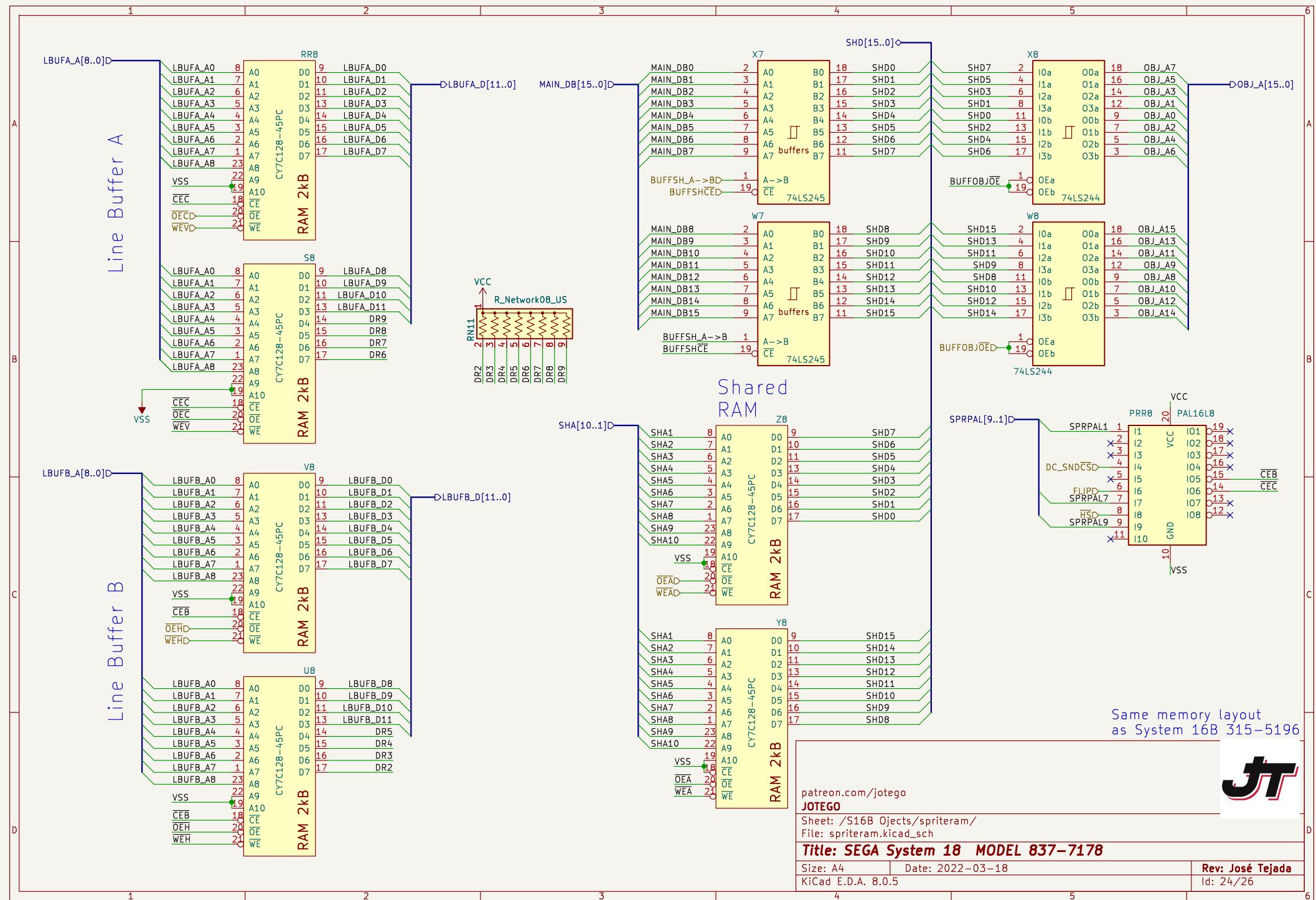
patreon.com/jotego
JOTEGO

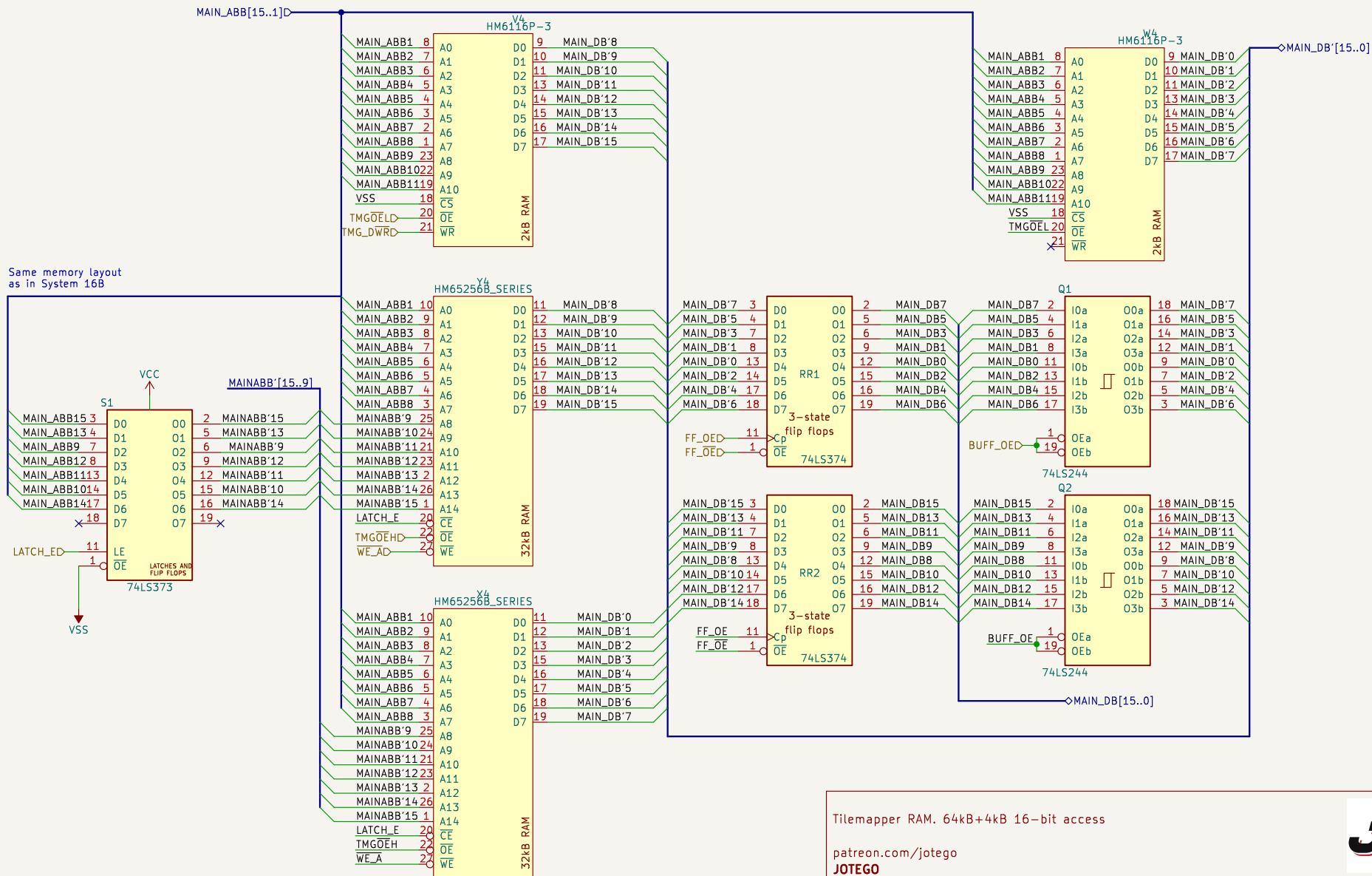
Sheet: /Sound/amplifier/audio_amplifier/
File: audio_amplifier.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18







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

patreon.com/jotego

JOTEGO

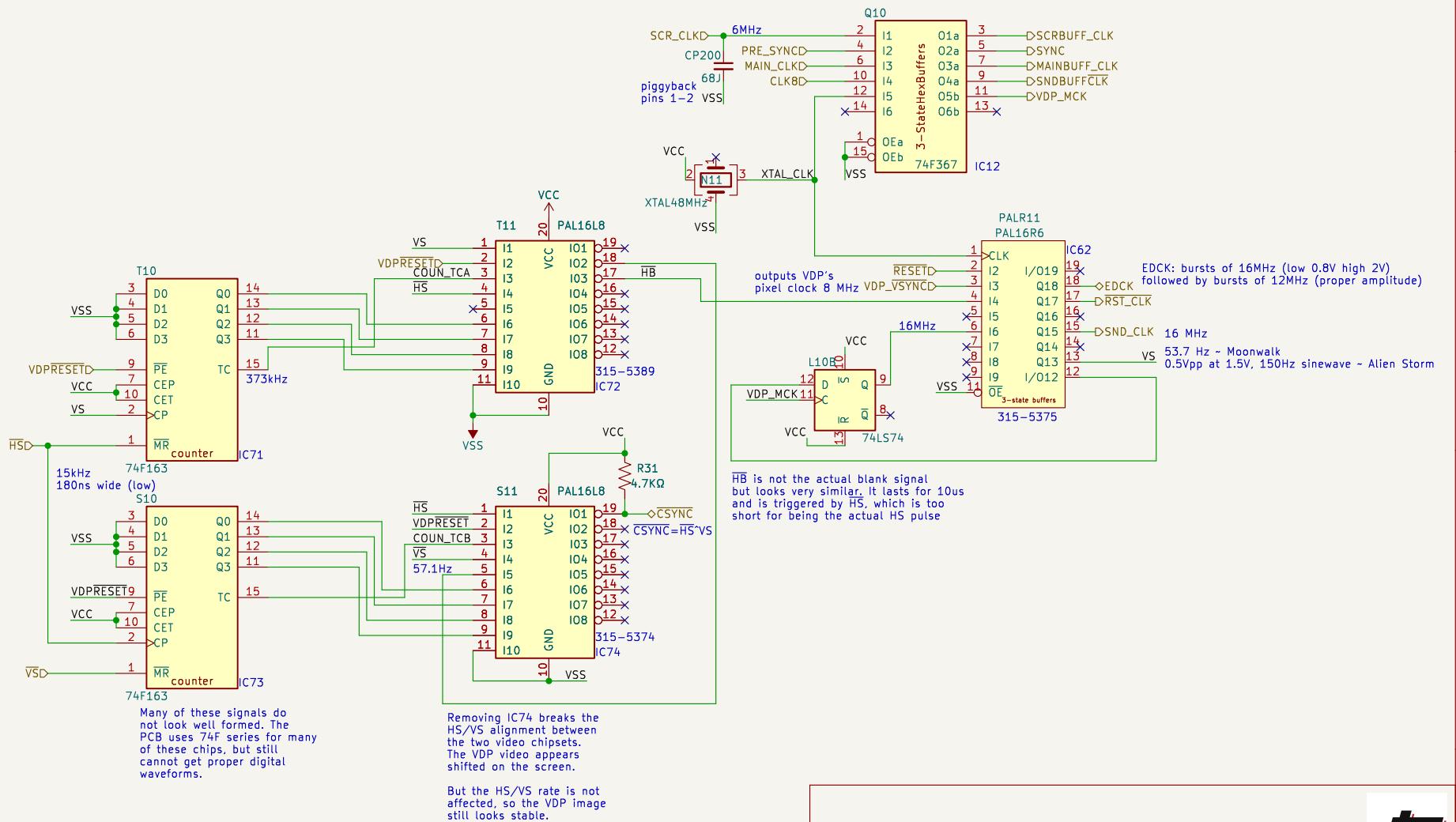
Sheet: /S16B_Scroll/tilemapg_ram/
File: tilemapg_ram.kicad_sch

Title: SEGA System 18 MODEL 837-7178

Size: A4 Date: 2022-03-18

KiCad E.D.A. 8.0.5





VDP pixel clock and csync generation
patreon.com/jotego

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. 8.0.5



Rev: José Tejada
 Id: 26/26