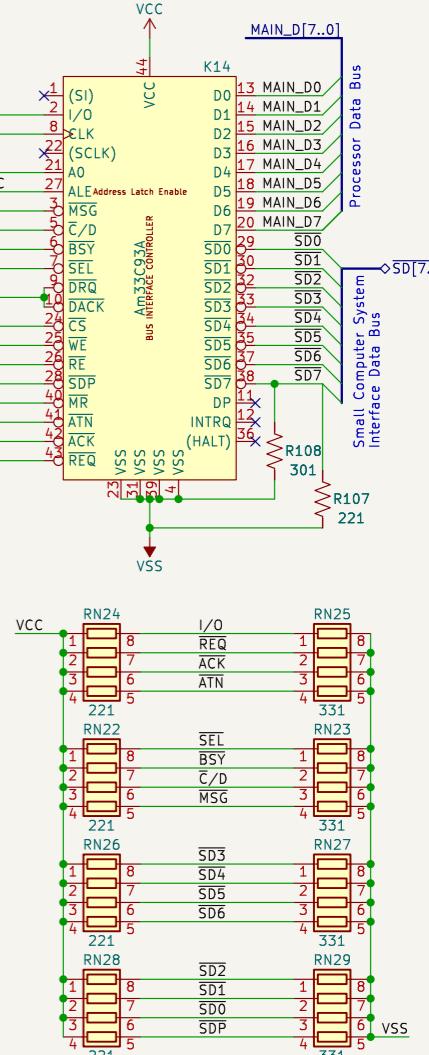
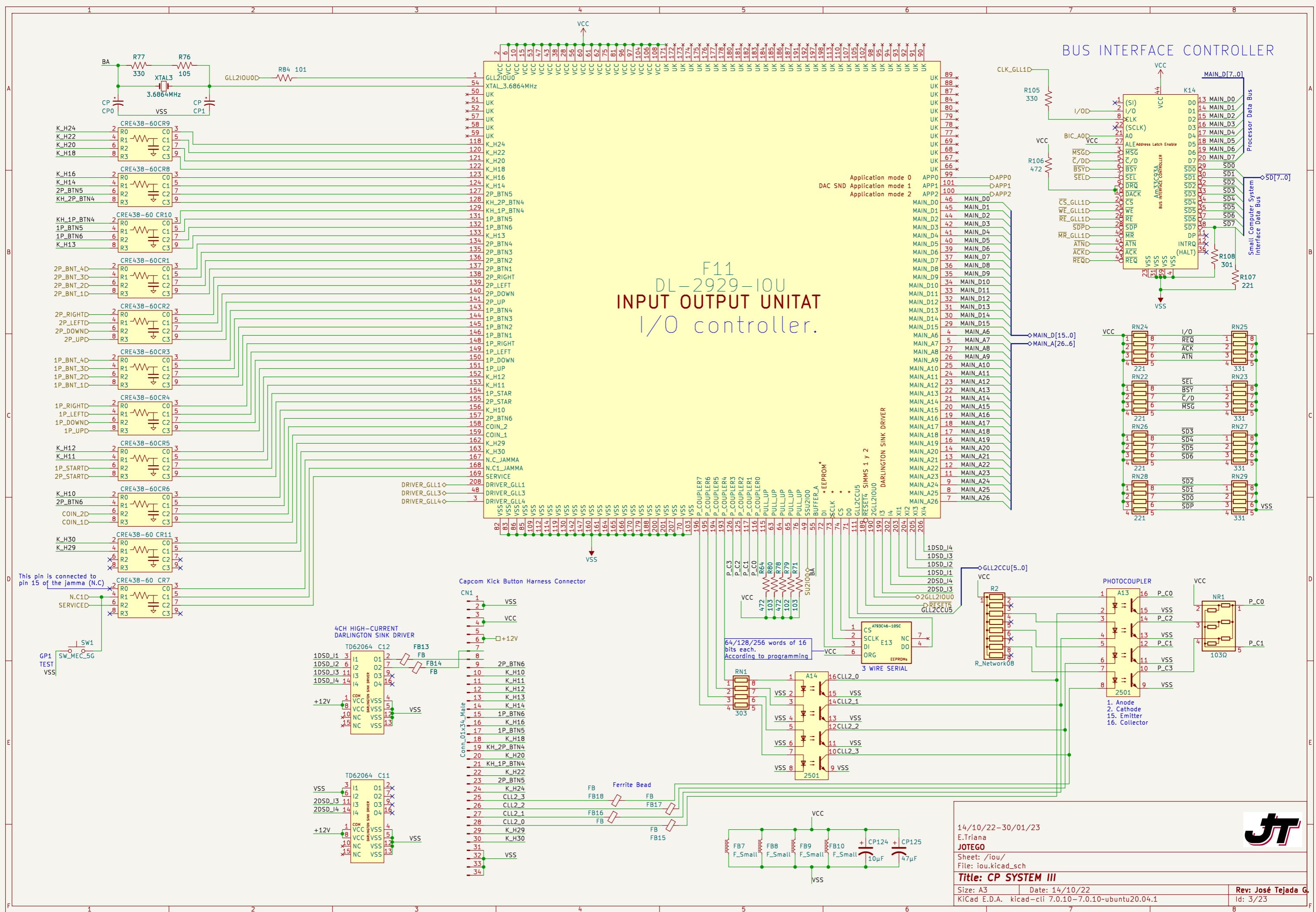
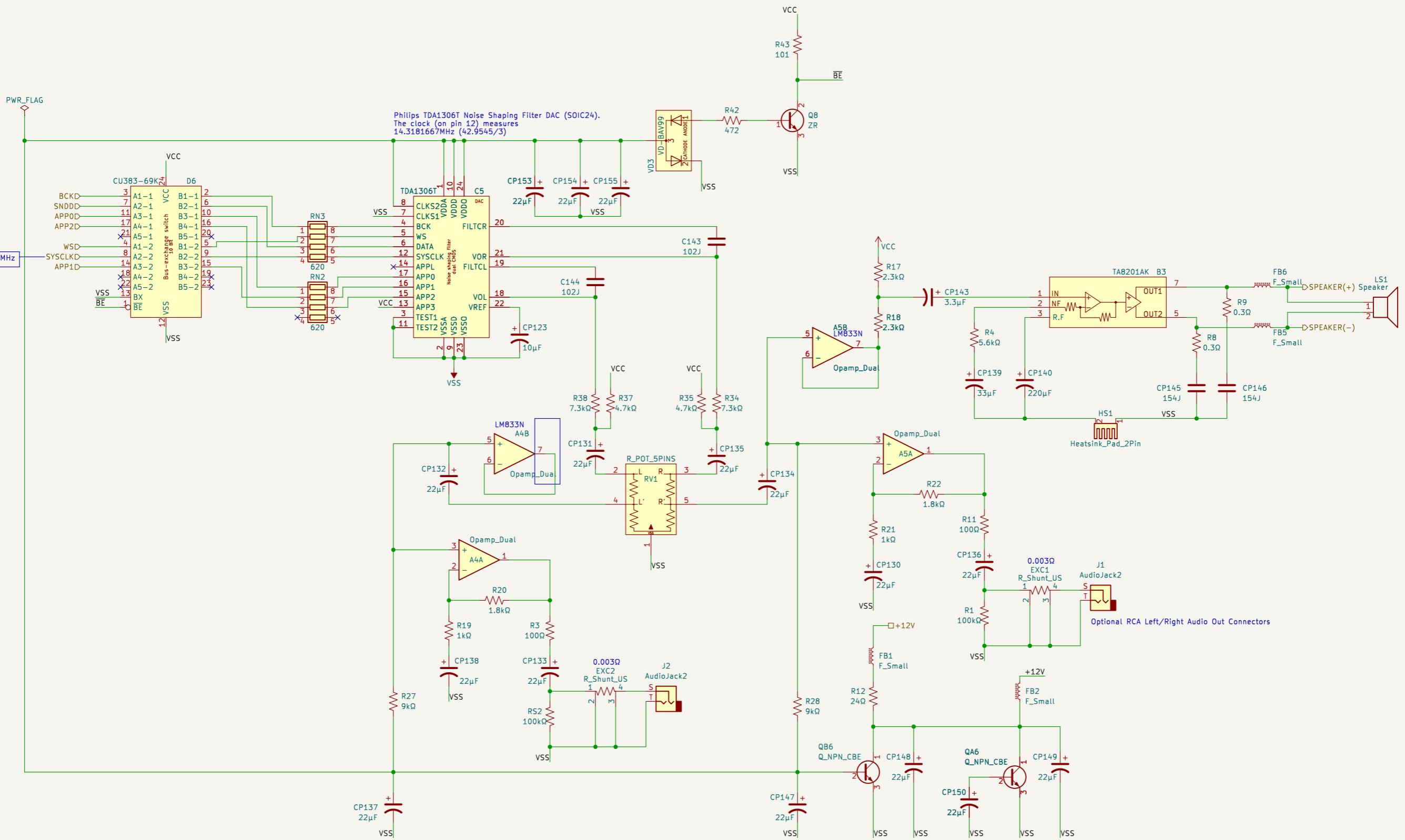


# BUS INTERFACE CONTROLLER



## F11 DL-2929-IOU INPUT OUTPUT UNITAT I/O controller.





14/10/22–30/01/23

E.Triana

JOTEGO

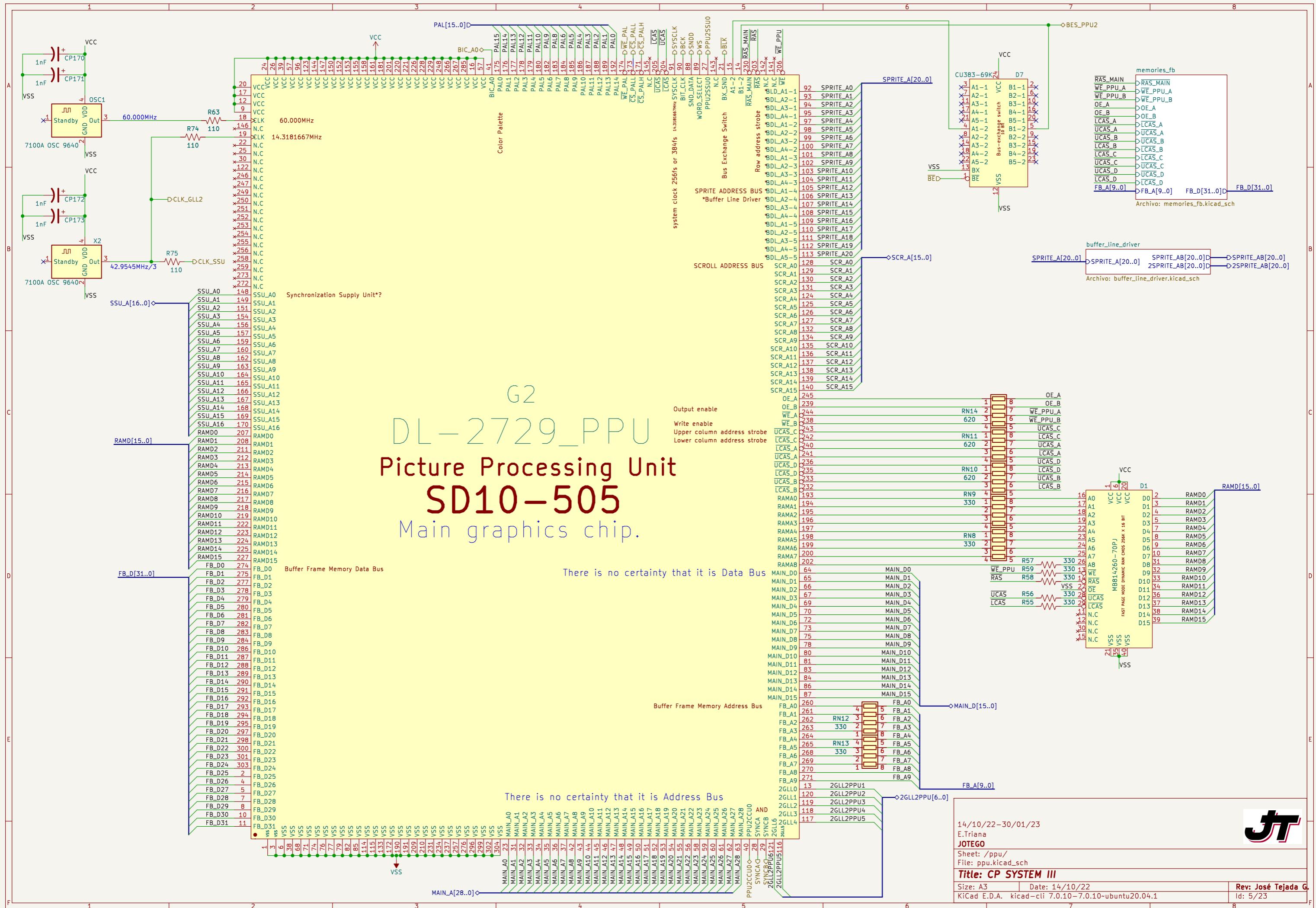
Sheet: /sound/  
File: sound.kicad\_sch

Title: CP SYSTEM III

Size: A3 Date: 14/10/22  
11G + 5P A4 Height: 7.912 7.916 7.914 7.912 7.914

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







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E.Triana  
**JOTEGO**

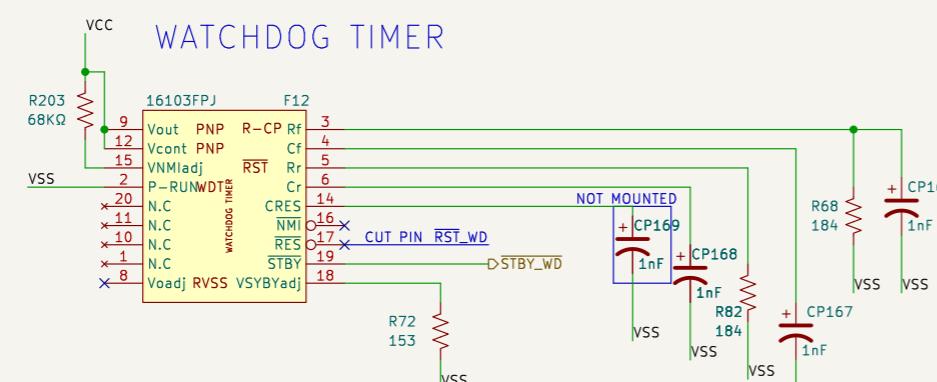
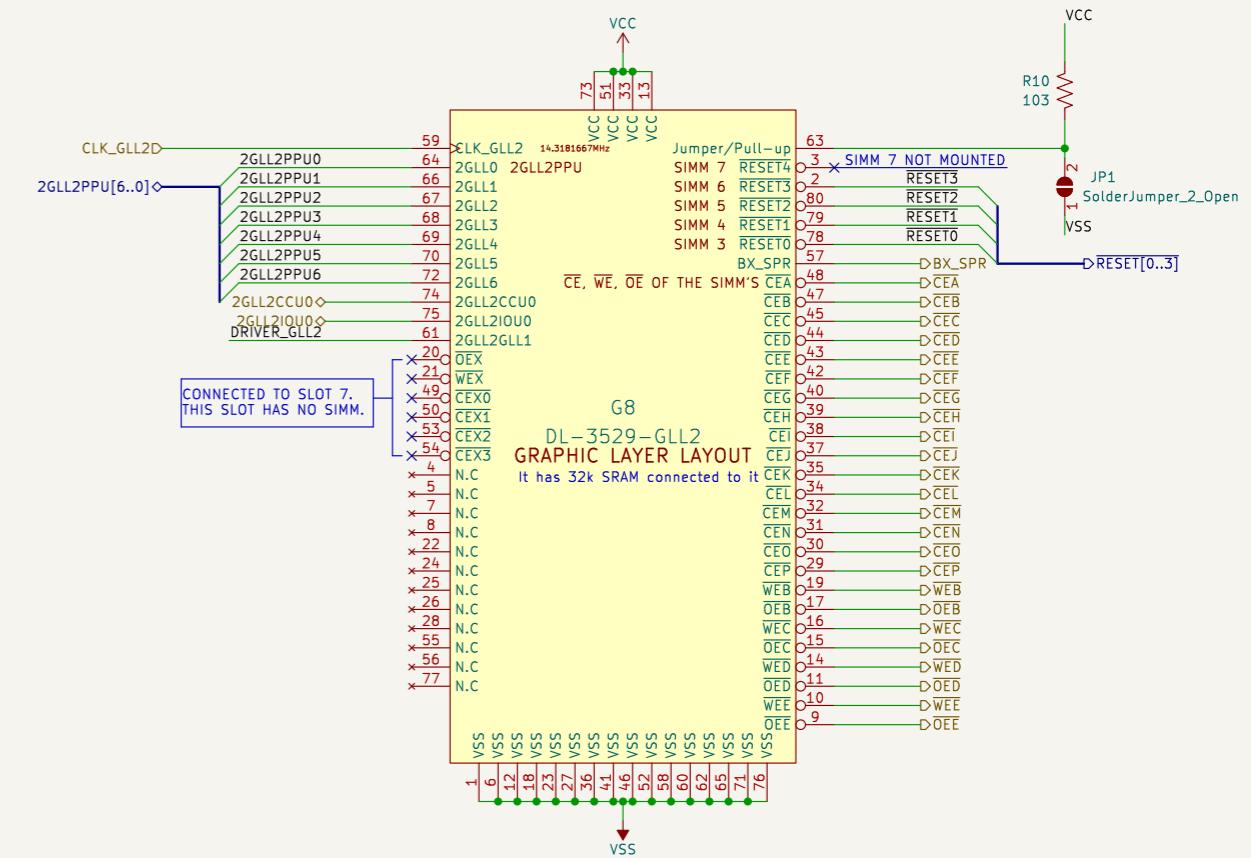
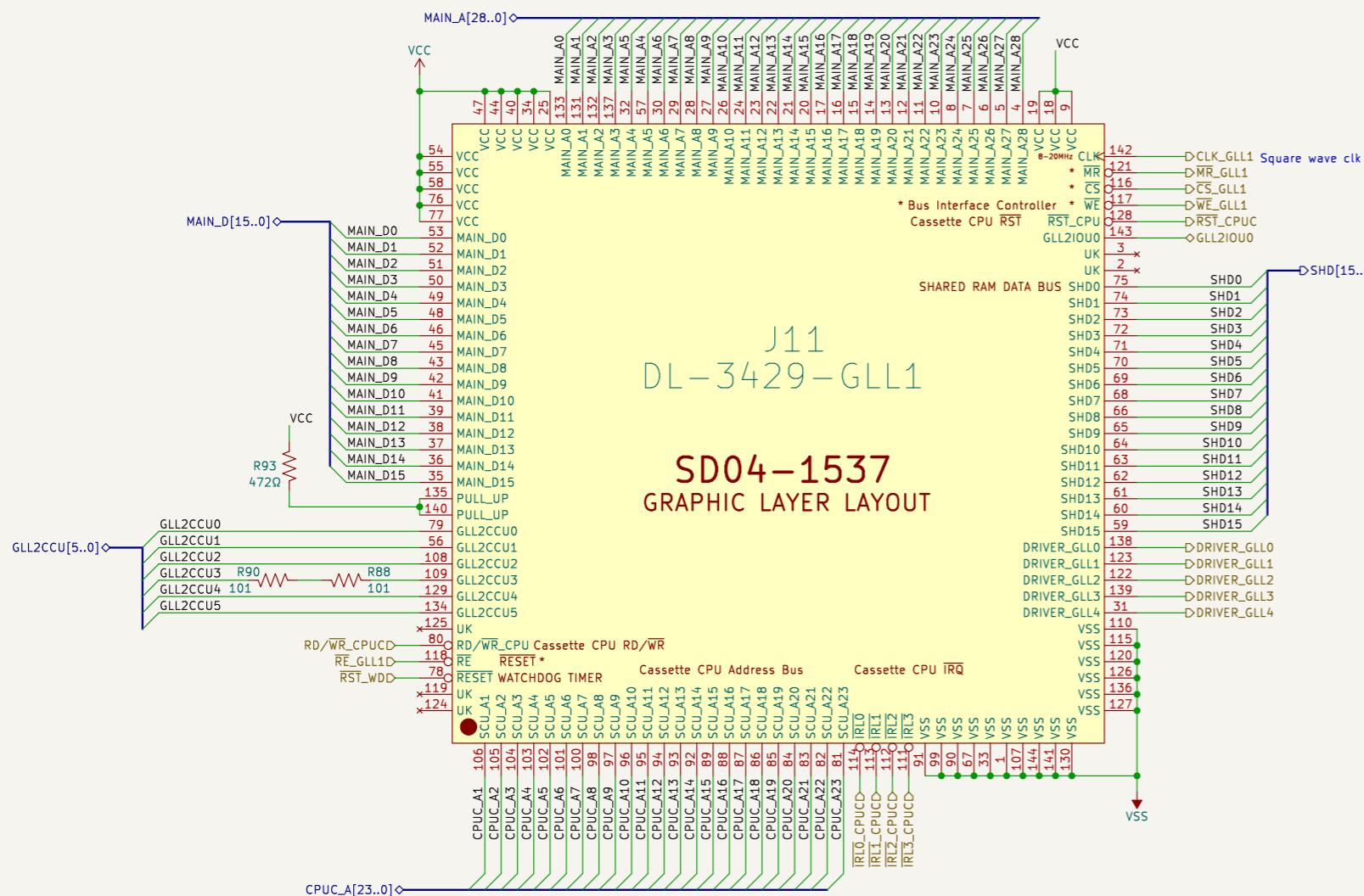
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File: capacitors\_uu.kicad\_sch

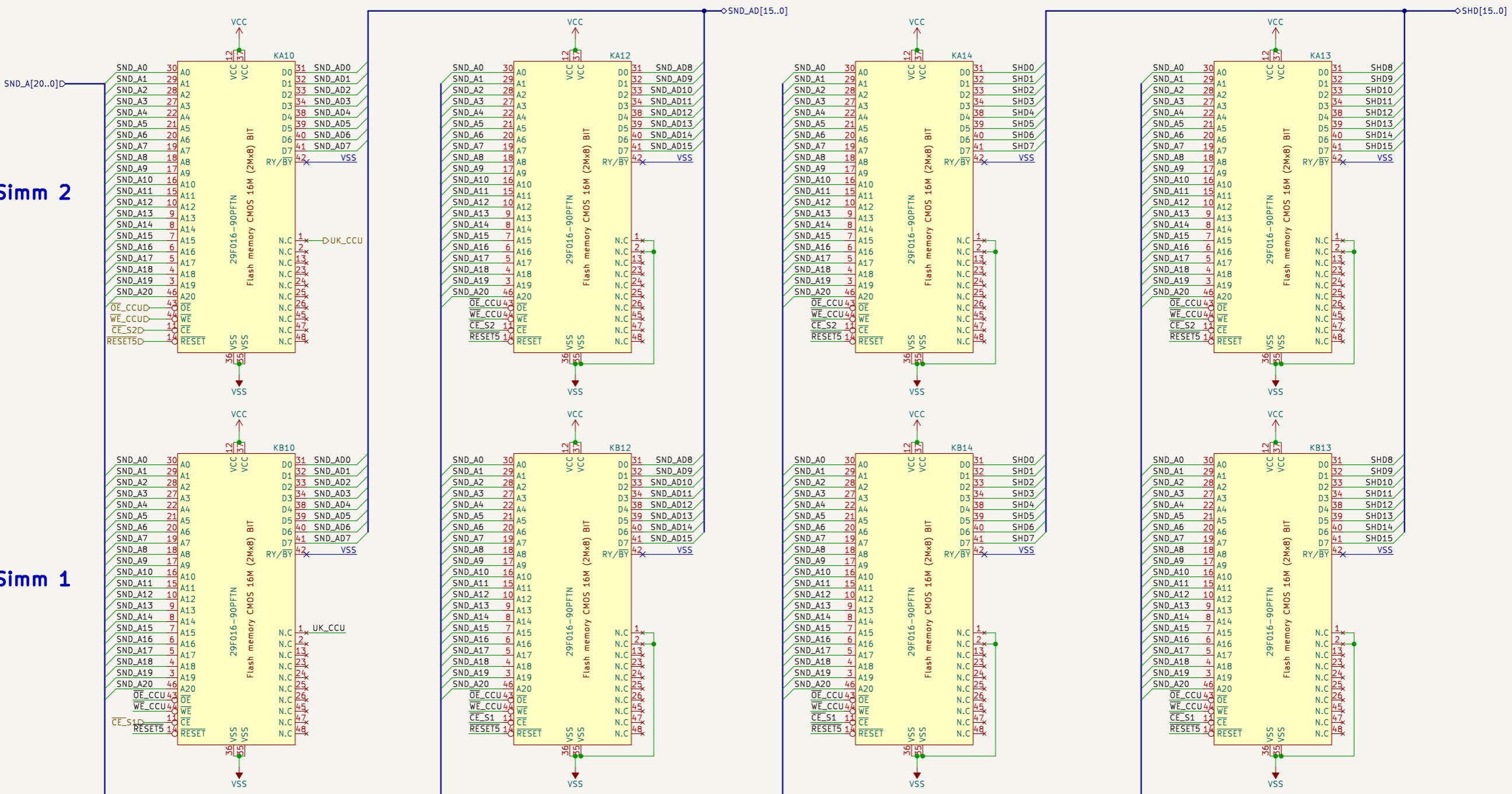
Title: CP SYSTEM III

Size: A3 Date: 14/10/2  
KiCad EDA kicad-cli 7.0.10-7

Ricad E.D.A. Ricad-cti 7.0.10~7.0.10~Ubuntu20.04.1





**Simm 2****Simm 1**

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E.Triana

JOTEGO

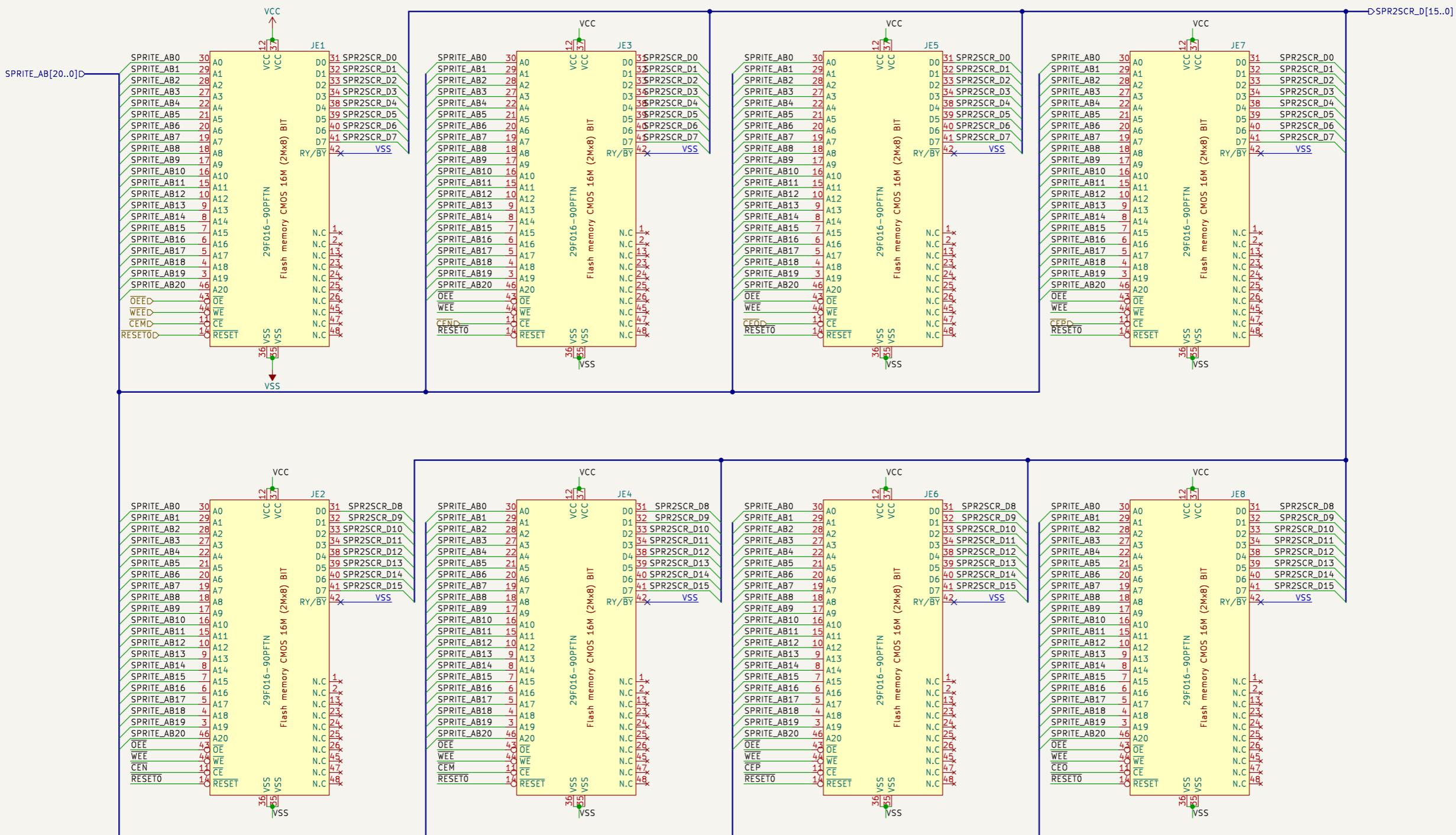
Sheet: /simms\_flash/simms\_2-1\_snd/  
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**Title: CP SYSTEM III**

|  |                     |
|--|---------------------|
| Size: A3   | Date: 14/10/22      |
| KiCad E.D.A. kicad-cli 7.0.10–7.0.10-ubuntu20.04.1 | Rev: José Tejada G. |



### Simm 3



14/10/22–30/01/23

E.Triana



JOTEGO

Sheet: /simms\_flash/simm3/

File: simm3.kicad\_sch

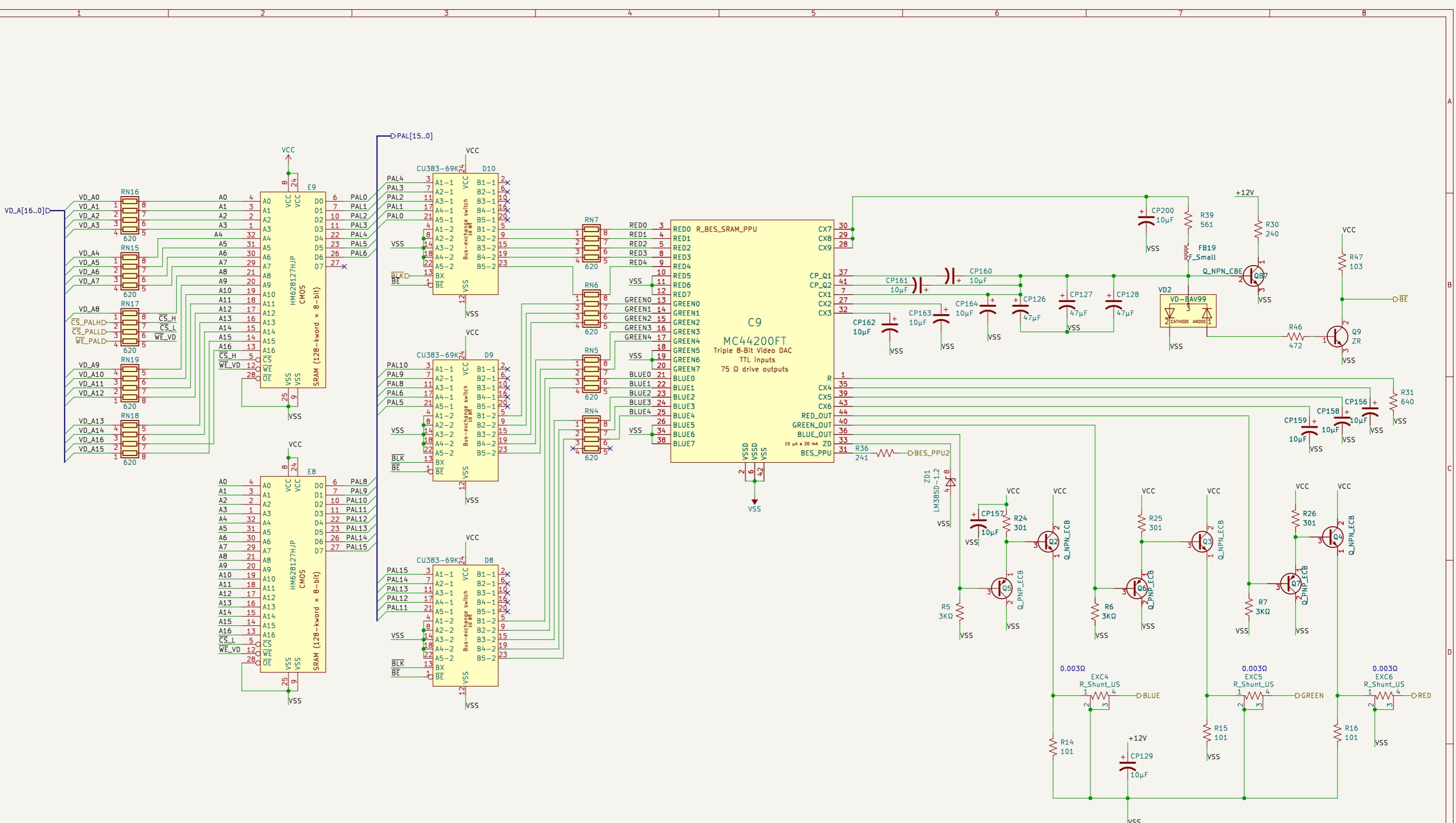
**Title: CP SYSTEM III**

Size: A3 Date: 14/10/22

KiCad E.D.A. kicad-cl 7.0.10–7.0.10-ubuntu20.04.1

Rev: José Tejada G.

Id: 9/23



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E.Triana

JOTEGO

Sheet: /video\_dac/  
File: video\_dac.html

File: video\_dac.kicad\_sch

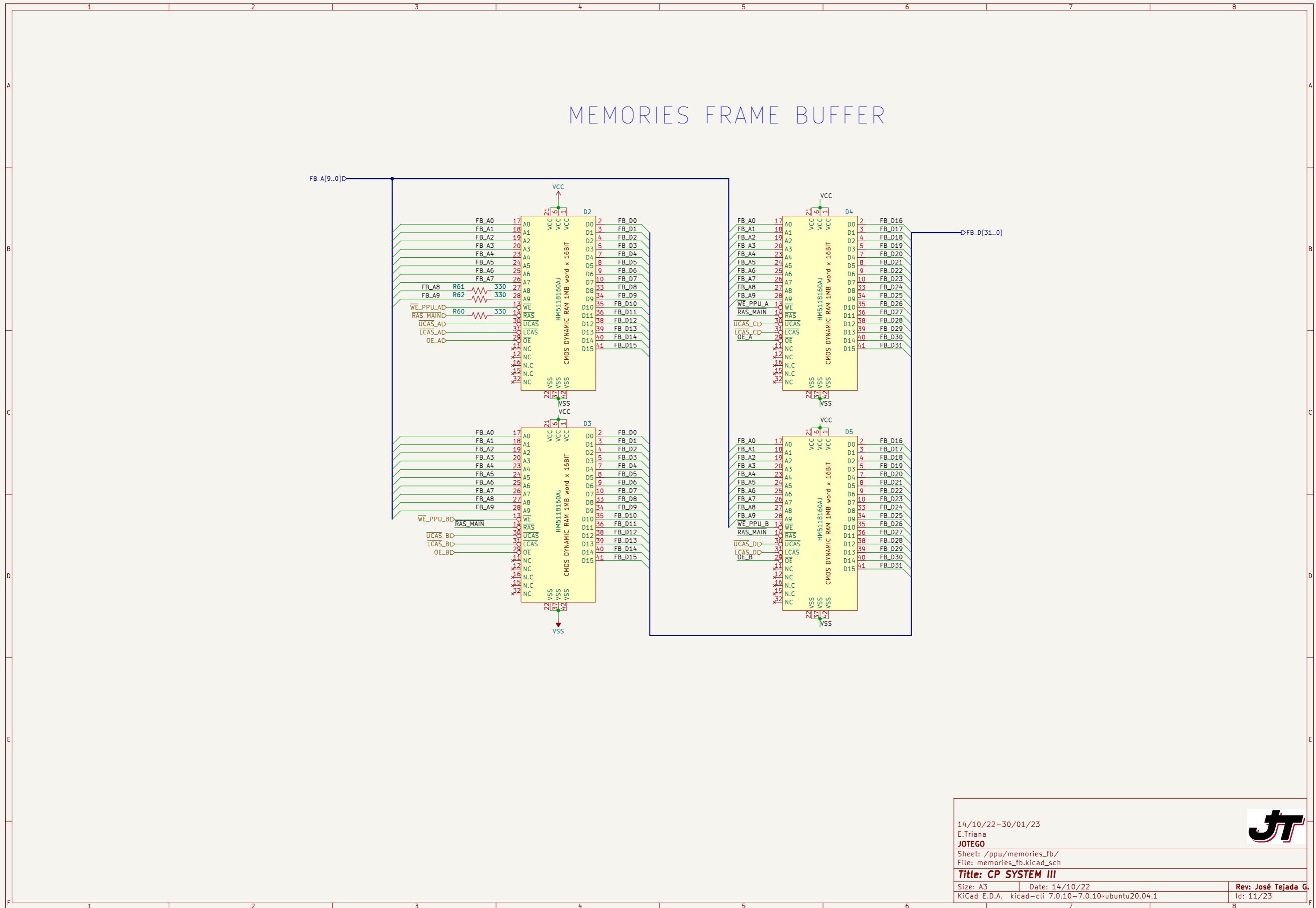
## Title: CP SYSTEM

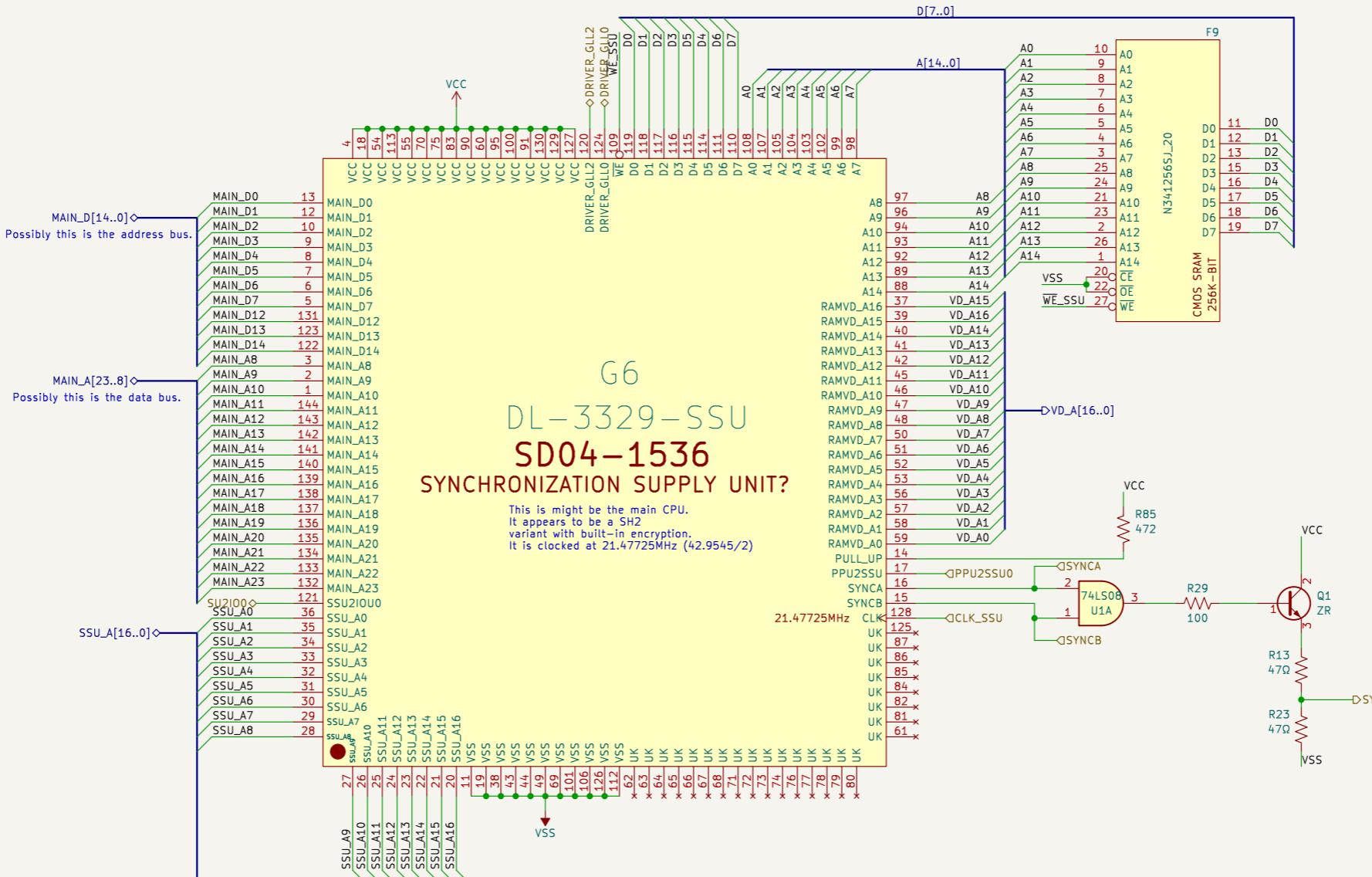
KiCad EDA kicad-clip

RICARDO L.D.A. RICARDO-CL

For more information about the study, please contact Dr. John P. Morrissey at (212) 305-6000 or via email at [jmorrissey@nyp.edu](mailto:jmorrissey@nyp.edu).

The JT logo consists of the letters 'JT' in a bold, black, sans-serif font. A red horizontal line runs through the middle of the letters, with a small red 'J' positioned above the top stroke of the 'T'. The logo is enclosed in a thin white border.





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E.Triana

JOTEGO

Sheet: /ssu/

File: ssu.kicad\_sch

**Title: CP SYSTEM III**

Size: A3 Date: 14/10/22

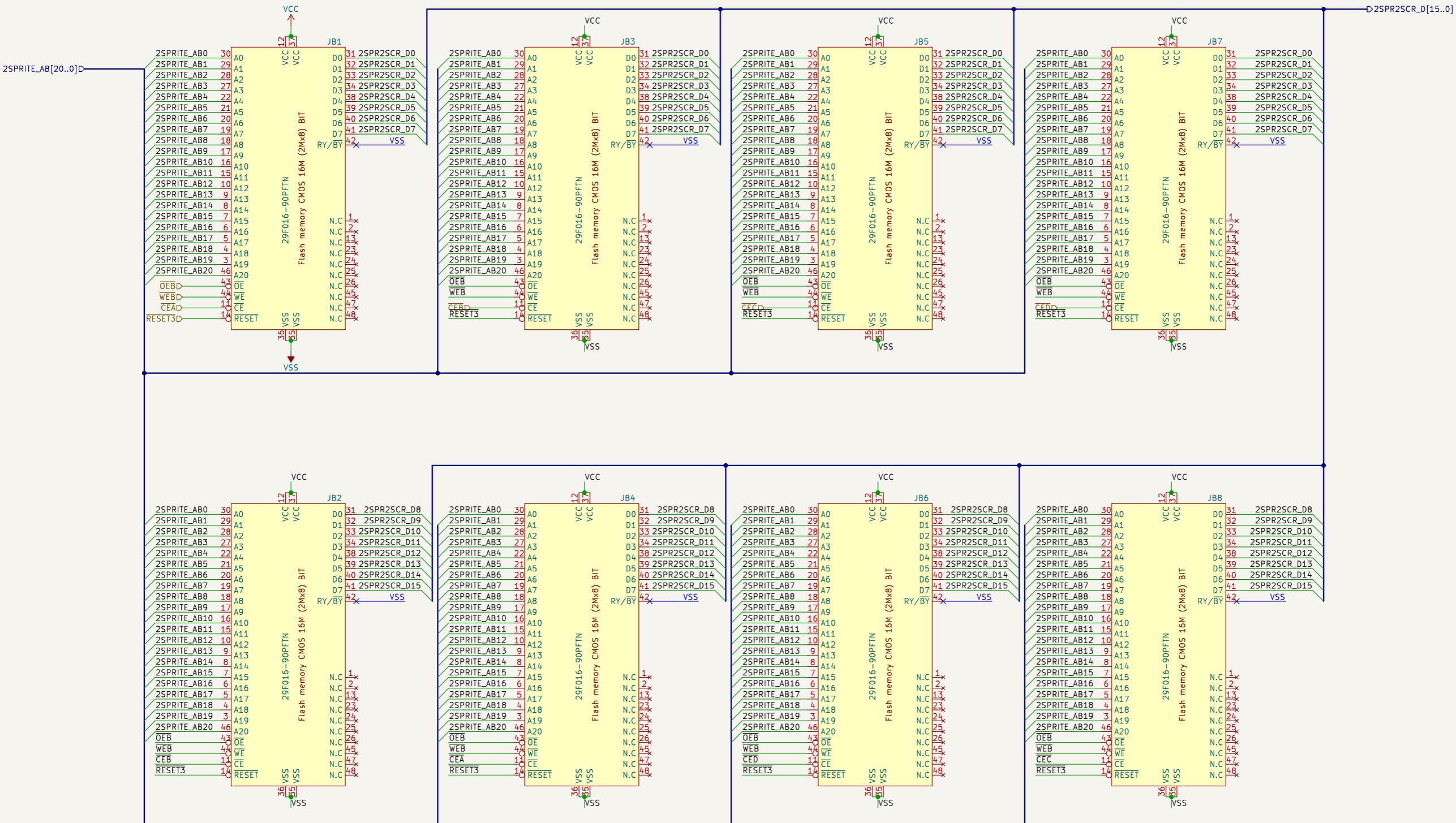
KiCad E.D.A. kicad-cl 7.0.10-7.0.10-ubuntu20.04.1



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Id: 12/23

Simm 6



14/10/22-30/01/23

E.Triana



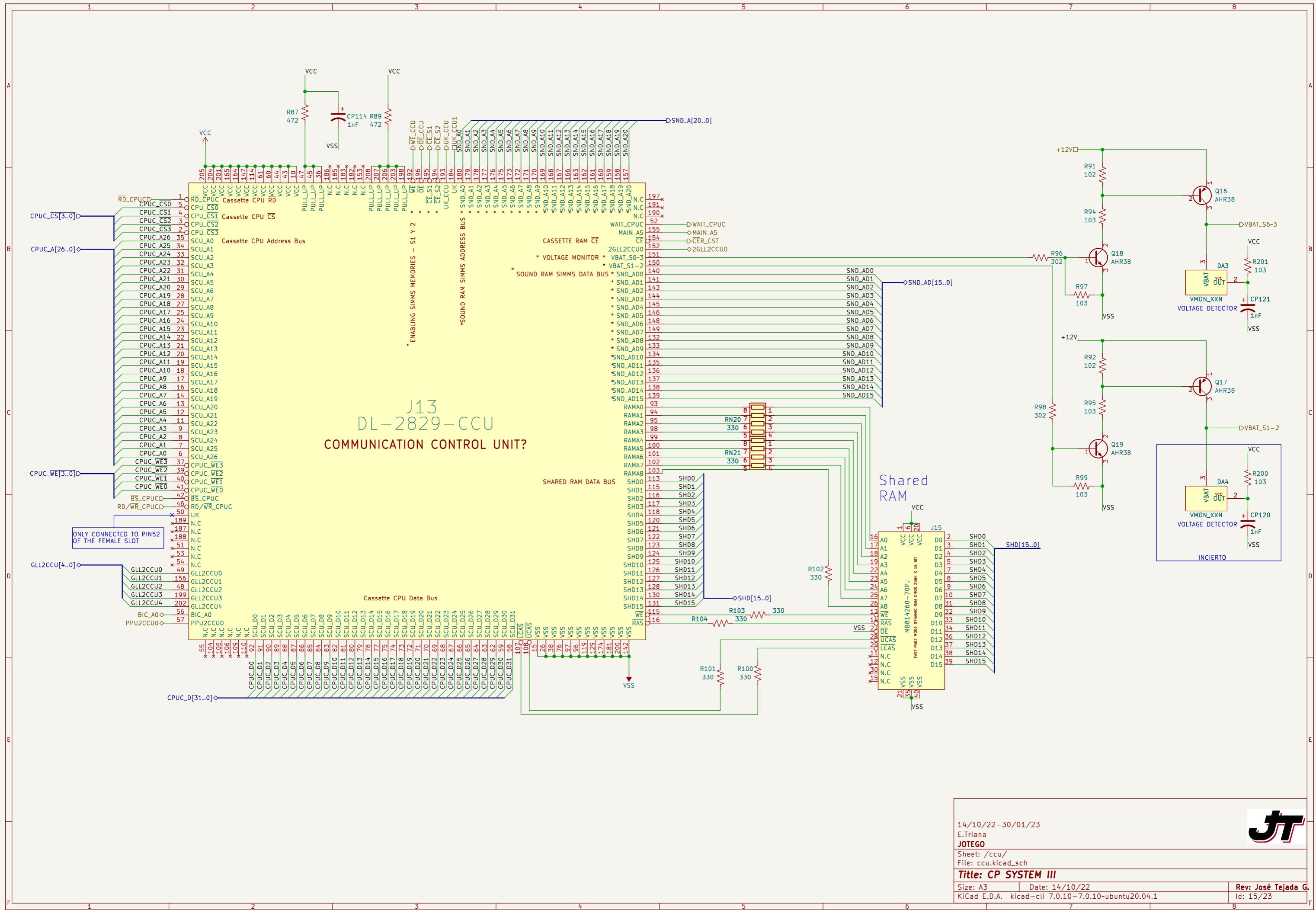
JOTEGO  
Sheet: /simms\_flash/simm6/  
File: simm6.kicad\_sch

Title: CP SYSTEM III

Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cl 7.0.10-7.0.10-ubuntu20.04.1

Rev: José Tejada G.  
Id: 13/23

**J13**  
**DL-2829-CCU**  
**COMMUNICATION CONTROL UNIT?**



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E.Triana

JOTEGO

Sheet: /ccu/

File: ccu.kicad\_sch

**Title: CP SYSTEM III**

Size: A3 Date: 14/10/22

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



Rev: José Tejada G.

Id: 15/23

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A

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## HARDWARE DESCRIPTION

Main CPU : Main CPU: Hitachi HD6417099 (SH-2) at 25 MHz

Storage : SCSI CD Rom, RAM and Flash ROM.

RAM : SIMMs on the left will physically

hold 16M of data each (each has 8x 16M

Flash ROMs, there's 4 SIMMs plugged in on

this board). The SIMMs on the right will

physically hold 8M each (there's 4 Flash

ROMs on each board and there are 2 SIMMs

plugged in)

OSC : 60MHz, 42.9545MHz, XTAL : 3.6864MHz

\*Sound chip: 16-channel 8-bit sample player, stereo

\*Maximum color palette: 16 million shades[5]

\*Maximum number of colors on screen: 32,768[6] (15-bit colour, 555 RGB)

\*Palette size: 131,072 pens

\*Colors per tile (backgrounds / sprites): 64 (6 bits per pixel) or 256

(8 bits per pixel), selectable

\*Colors per tile (text overlay): 16 (4 bits per pixel)

\*Maximum number of objects: 1024, with hardware scaling[6]

\*Scroll faces: 4 regular + 1 text overlay 'score screen' layer

\*Scroll features: Horizontal & vertical scrolling, linescroll, linezoom[6]

\*Framebuffer zooming

\*Color blending effects

\*Hardware RLE decompression of 6 bpp and 8 bpp graphics through DMA

\*Resolution, pixels: 384×224 (standard mode) / 496×224 (widescreen mode)

## KNOWN CP SYSTEM III (CPS3) GAME LIST

All six games are developed by Capcom and are all head-to-head fighting games in a list of games that appears to be as small as the CP System Dash library.

| English title  | Release date | Japanese title   |
|--|--------------|--|
| <i>Red Earth</i>   | 1996-11-21   | <i>War-Zard</i><br>(ウォーザード)  |
| <i>Street Fighter III: New Generation</i>                  | 1997-02-04   | <i>Street Fighter III</i><br>(ストリートファイターIII)                         |
| <i>Street Fighter III 2nd Impact: Giant Attack</i>         | 1997-09-30   | <i>Street Fighter III 2nd Impact</i><br>(ストリートファイターIII 2nd Impact)   |
| <i>JoJo's Bizarre Adventure</i>                            | 1998-12-02   | <i>JoJo no Kimyō na Bōken</i><br>(ジョジョの奇妙な冒険)                        |
| <i>Street Fighter III 3rd Strike: Fight for the Future</i> | 1999-05-12   | <i>Street Fighter III 3rd Strike</i><br>(ストリートファイターIII 3rd Strike)   |
| <i>JoJo's Bizarre Adventure: Heritage for the Future</i>   | 1999-09-13   | <i>JoJo no Kimyō na Bōken Mirai e no Isan</i><br>(ジョジョの奇妙な冒険 未来への遺産) |

Font:  
The Museum Arcade System 16

14/10/22–30/01/23  
E.Triana  
JOTEGO

Sheet: /h\_description/  
File: h\_description.kicad\_sch

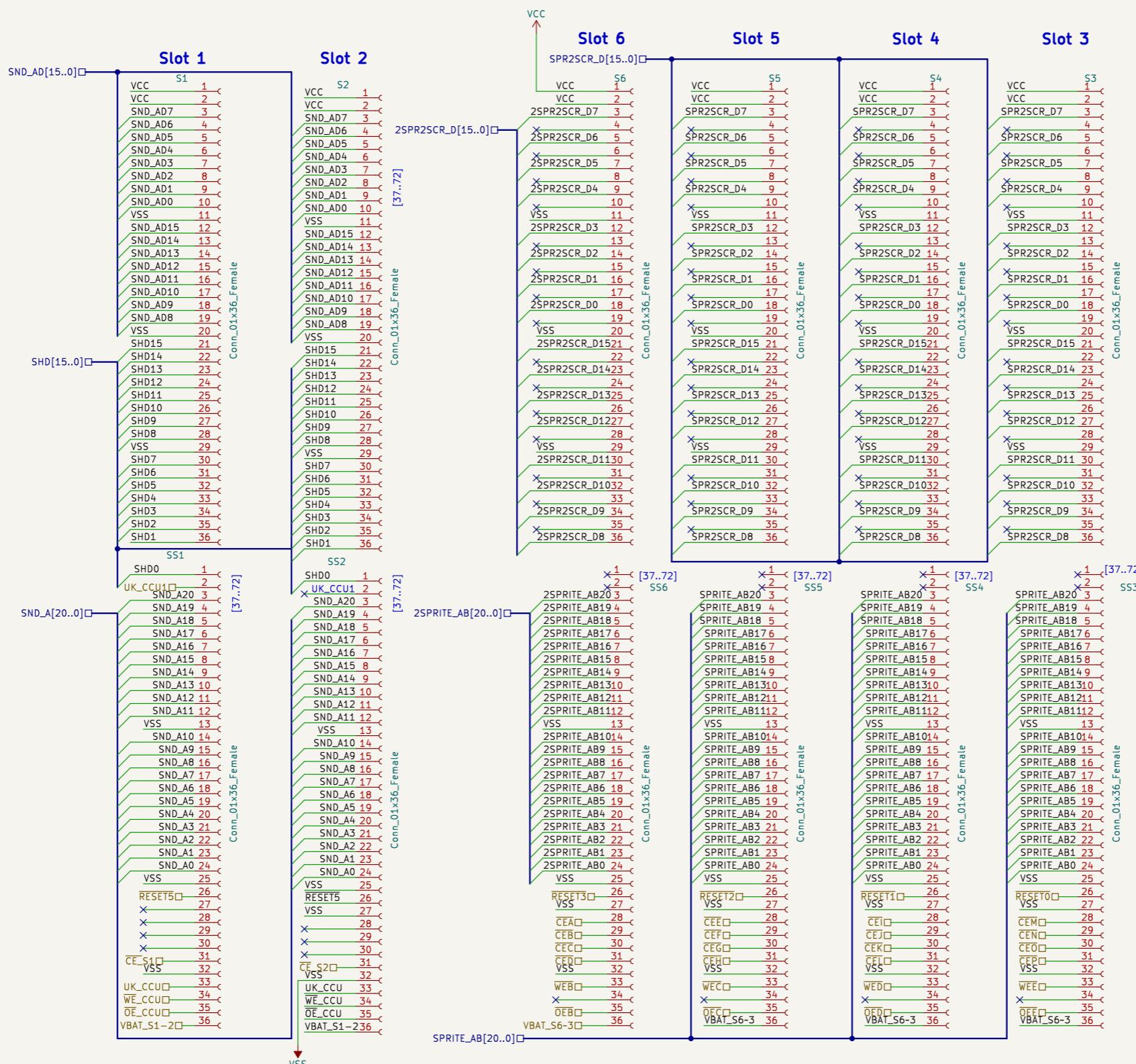
Title: CP SYSTEM III

Size: A3 | Date: 14/10/22  
KiCad E.D.A. kicad-cli 7.0.10–7.0.10-ubuntu20.04.1



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## Slot Female



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E.Triana

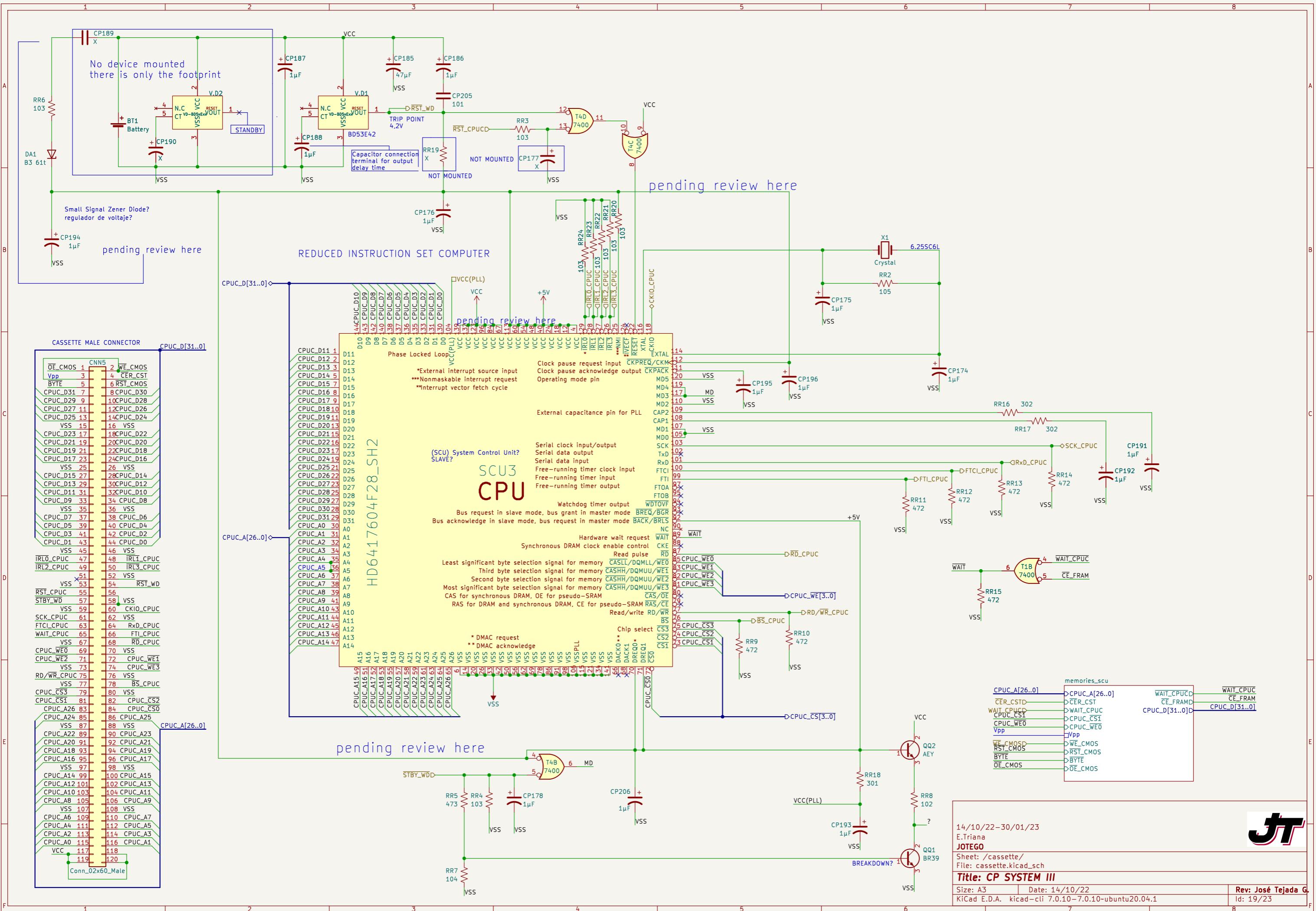
JOTEGO

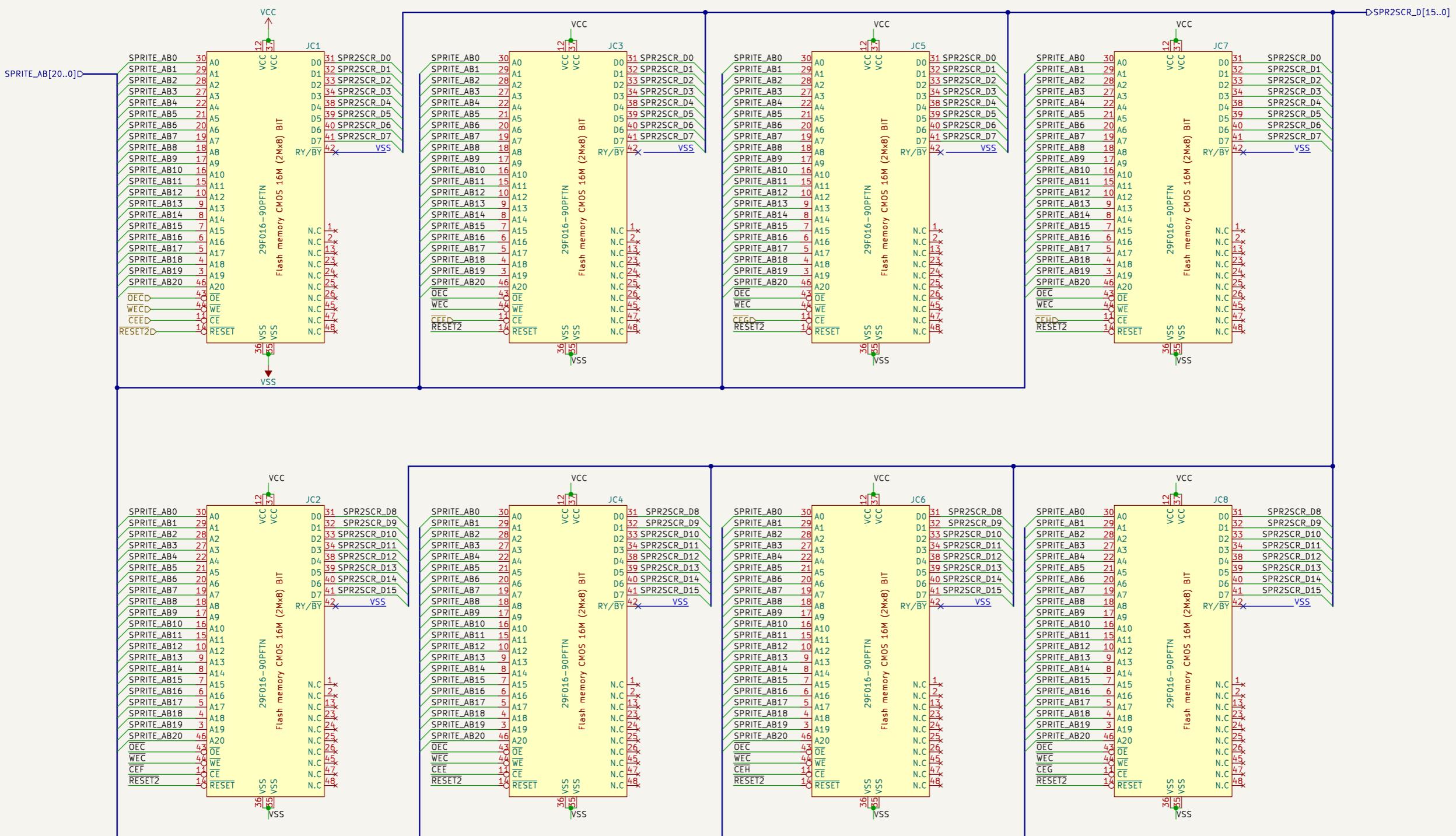
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File: slots\_females.kicad\_sch

**Title: CP SYSTEM III**

Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cl 7.0.10-7.0.10-ubuntu20.04.1

Rev: José Tejada G.  
Id: 17/23



**Simm 5**

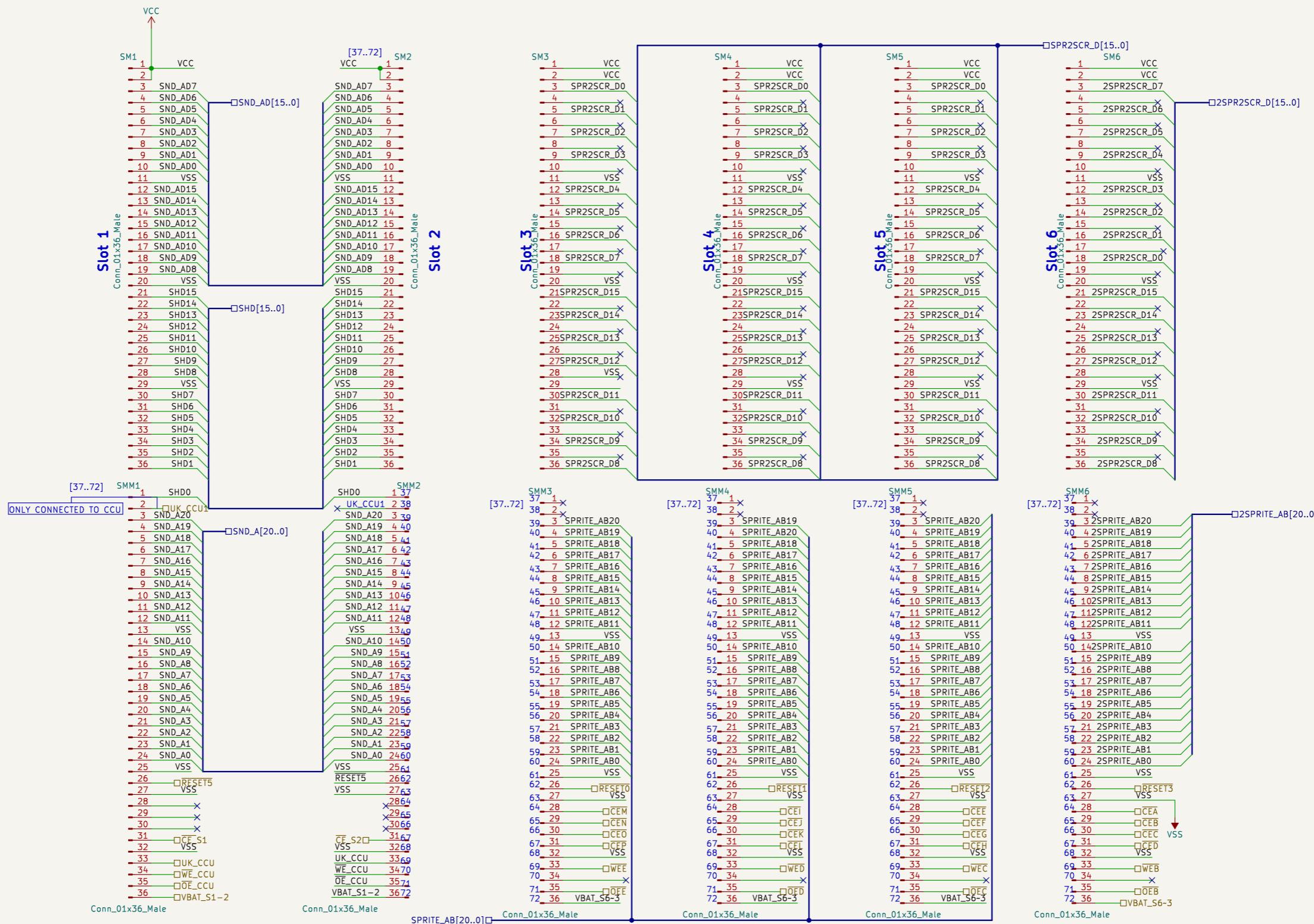
14/10/22–30/01/23

E.Triana

JOTEGO

Sheet: /simms\_flash/simm5/  
File: simm5.kicad\_sch**Title: CP SYSTEM III**Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cl 7.0.10-7.0.10-ubuntu20.04.1Rev: José Tejada G.  
Id: 20/23

# SIMM CONNECTOR



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E.Triana

JOTEGO

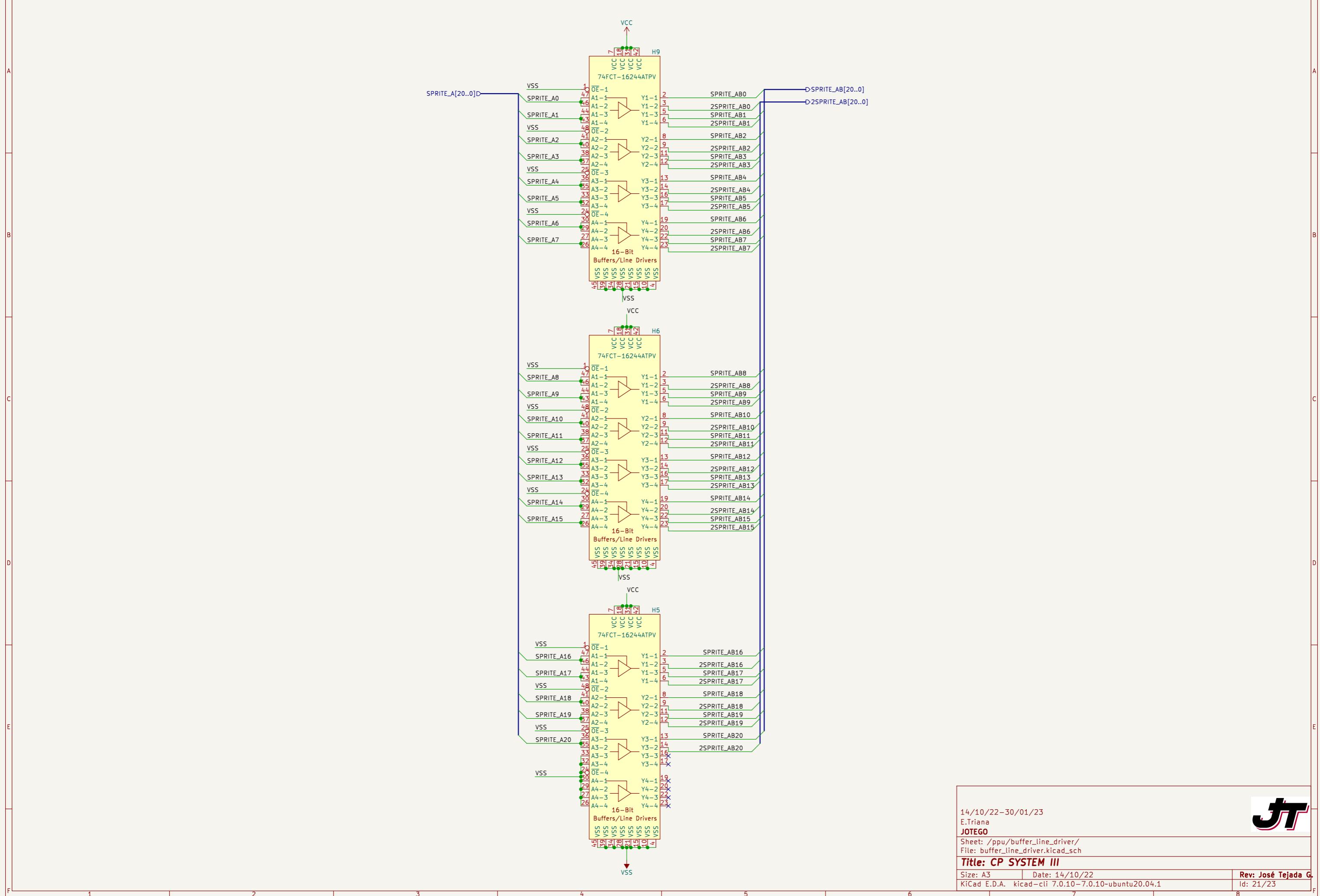
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File: simm\_connector.kicad\_sch

Title: CP SYSTEM III

Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cll 7.0.10–7.0.10-ubuntu20.04.1



Rev: José Tejada G.  
Id: 20/23



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E.Triana

JOTEGO

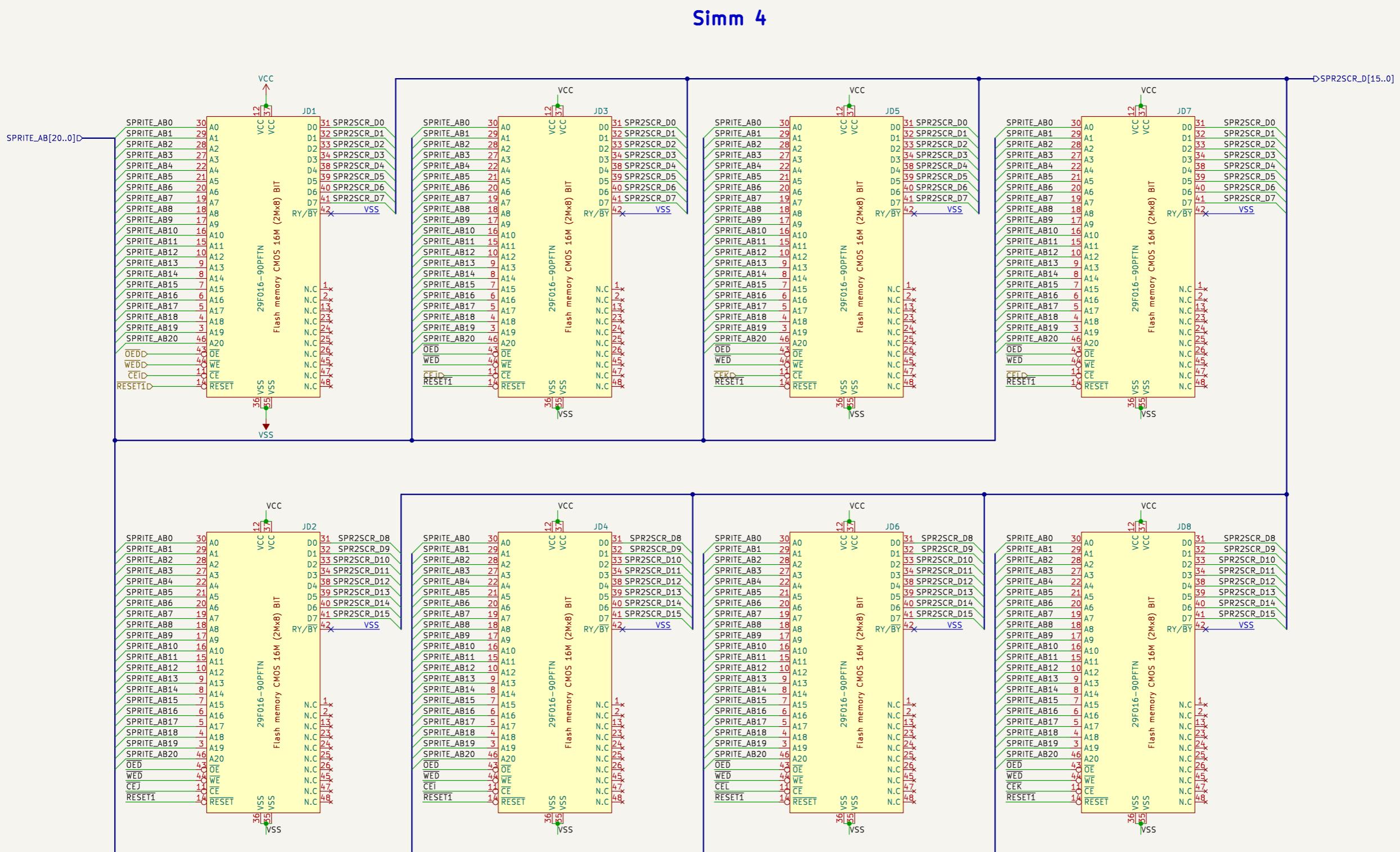
Sheet: /ppu/buffer\_line\_driver/  
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**Title: CP SYSTEM III**

Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cli 7.0.10-7.0.10-ubuntu20.04.1



Rev: José Tejada G.  
Id: 21/23



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E.Triana

JOTEGO

Sheet: /simms\_flash/simm4/  
File: /simms\_flash/simm4/

File: simm4.kicad\_sch

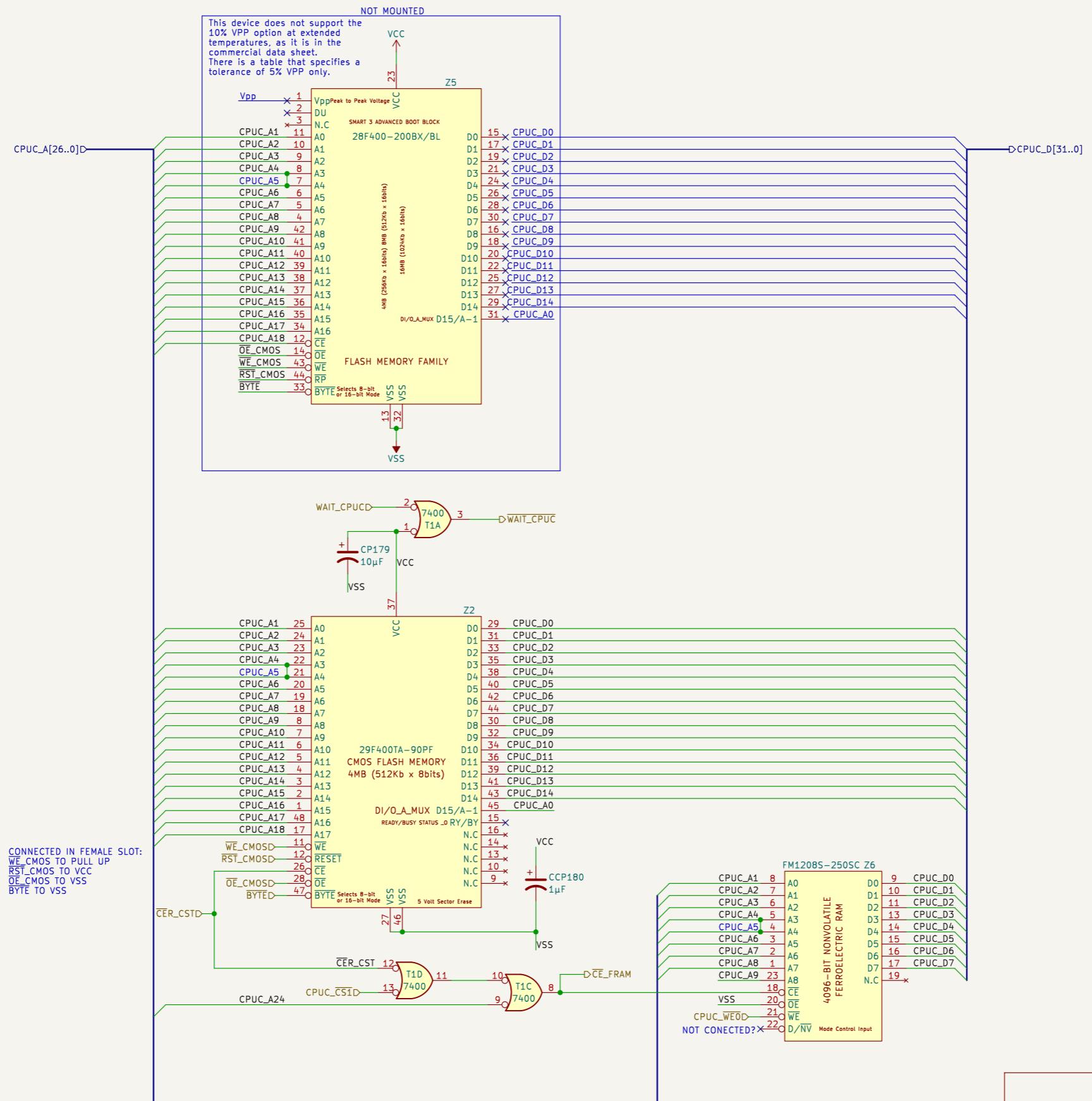
Title: CP SYSTEM III

Size: A3 Date: 14/10

KiCad E.D.A. kicad-cli 7.0.

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The JT logo consists of the letters 'JT' in a bold, black, italicized font. A red horizontal line runs through the middle of the letters, with a small red 'T' shape extending from the right side.



14/10/22-30/01/23

E.Triana

JOTEGO

Sheet: /cassette/memories\_scu/  
File: memories\_scu.kicad\_sch**Title: CP SYSTEM III**Size: A3 Date: 14/10/22  
KiCad E.D.A. kicad-cl 7.0.10-7.0.10-ubuntu20.04.1Rev: José Tejada G.  
Id: 22/23

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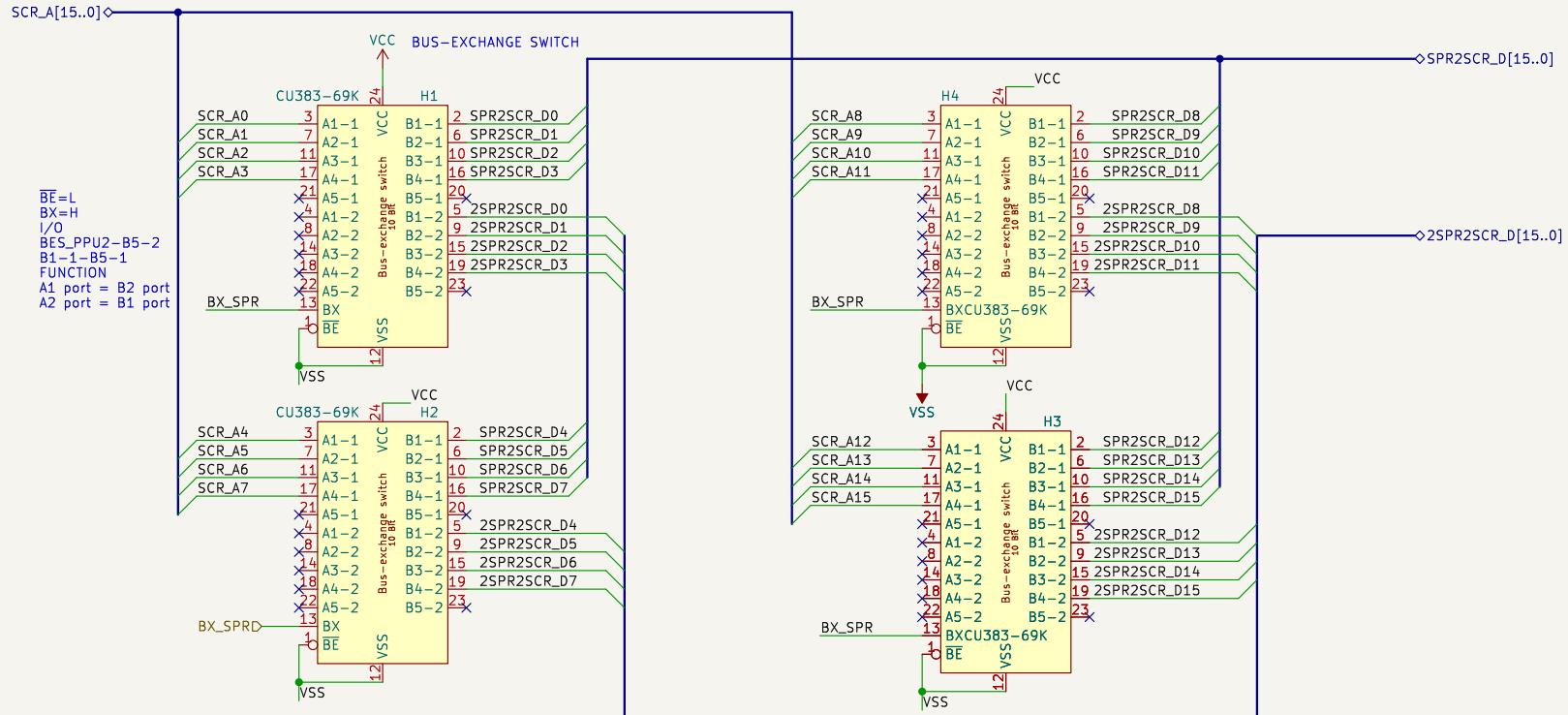
B

C

C

D

D



14/10/22–30/01/23

E.Triana

**JOTEGO**

Sheet: /simms\_flash/scroll/

File: scroll.kicad\_sch

**Title: CP SYSTEM III**

Size: A4 Date: 14/10/22

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

**Rev: José Tejada G.**

Id: 23/23