

A

B

C

D

E

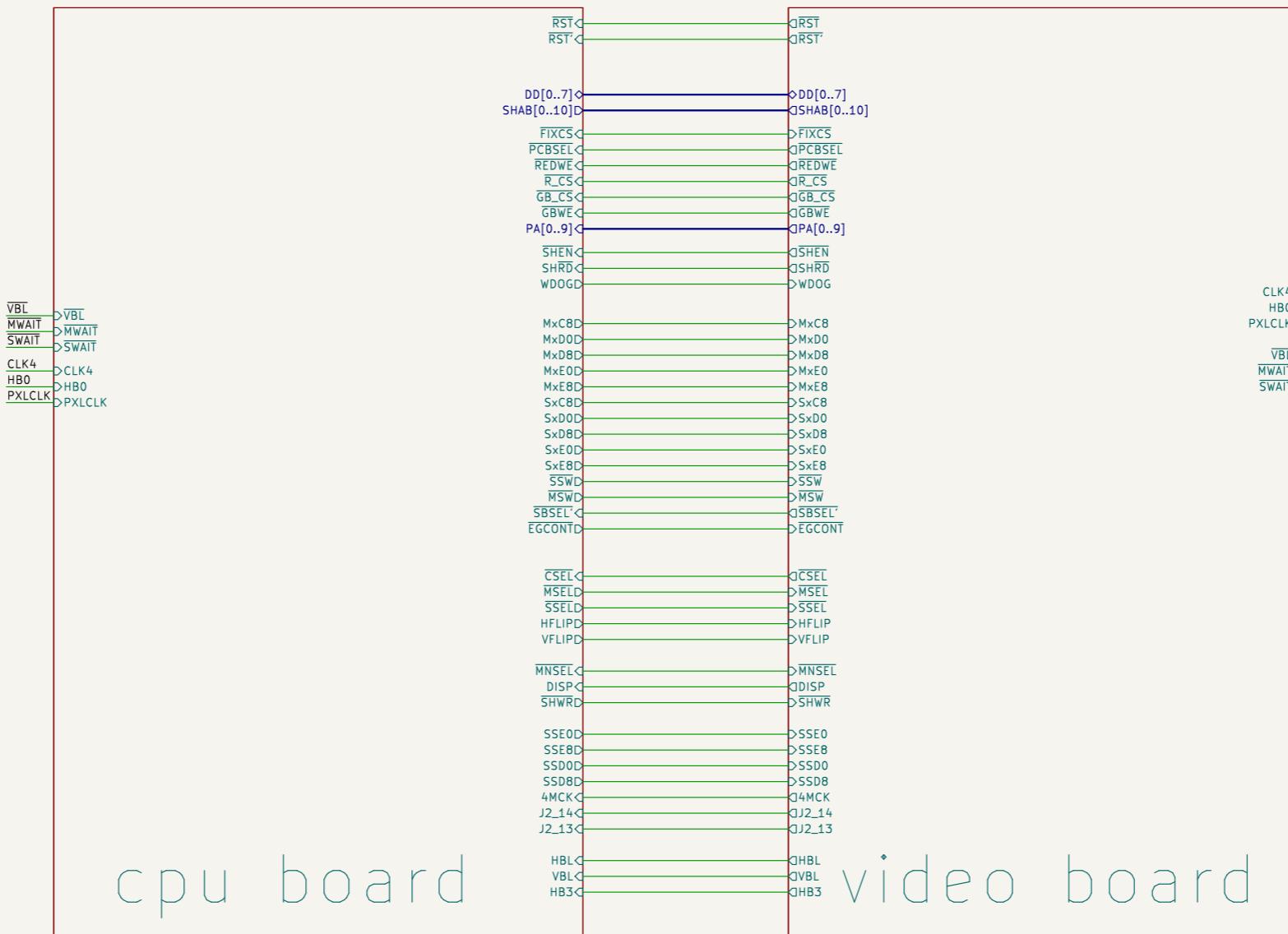
A

B

C

D

E



tehkanwch  
bootleg board

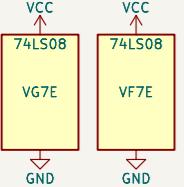
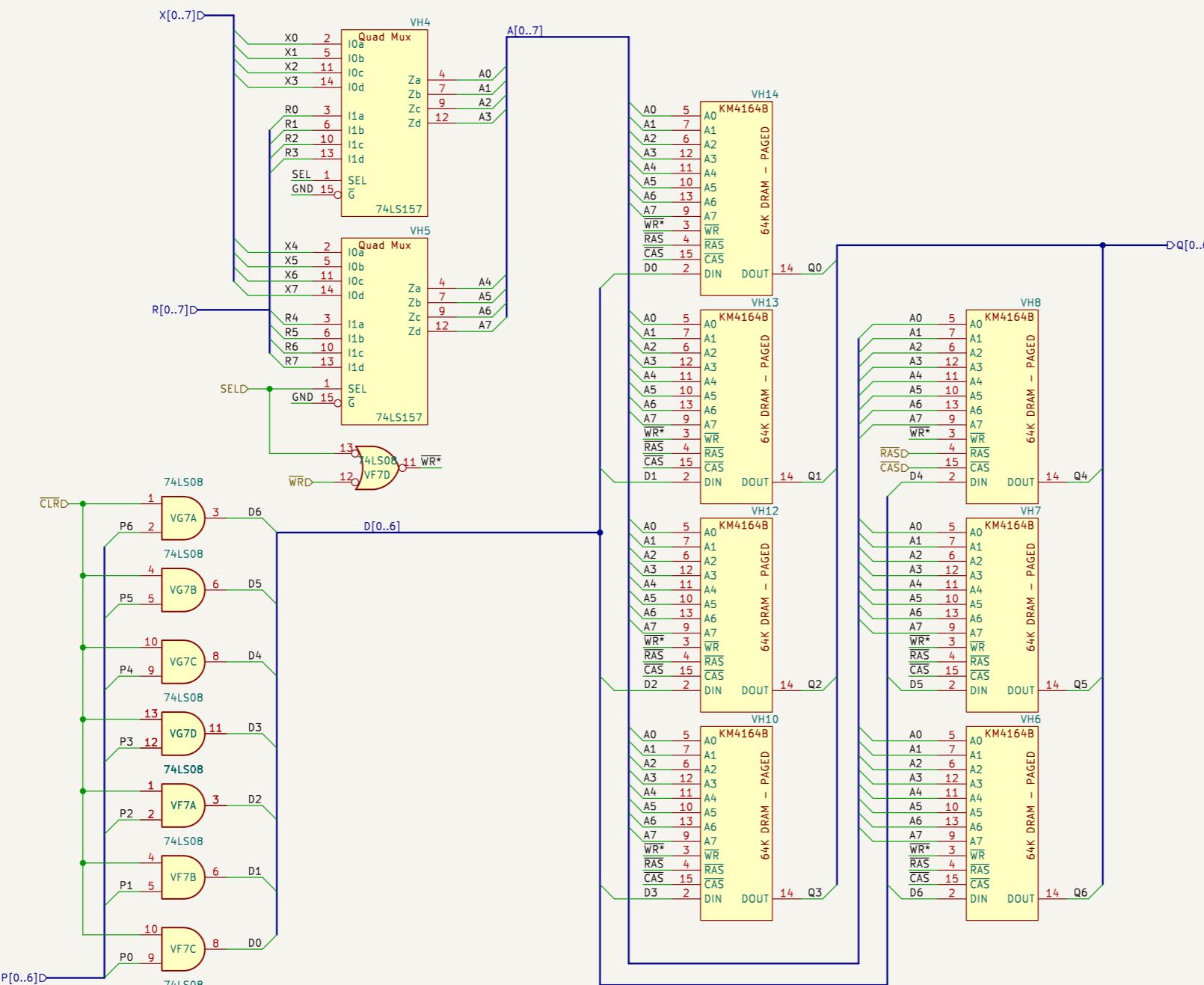
Jose Tejada  
**JOTEGO**

Sheet: /  
File: tehkanwch.kicad\_sch

**Title: TEHKAN WORLD CUP (tehkanwch bootleg)**

Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 1/25



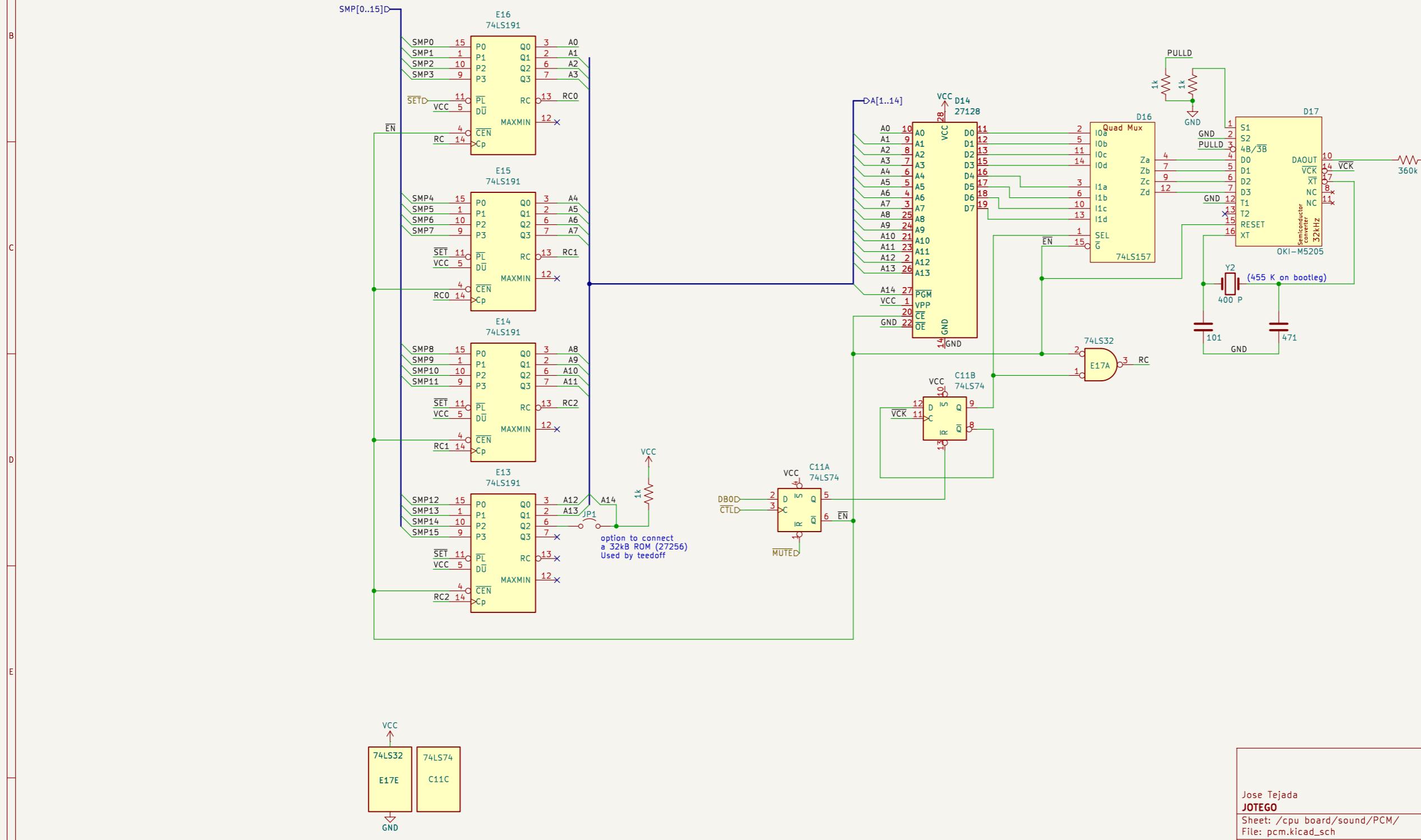
Jose Tejada  
JOTEGO

Sheet: /video board/object/frame buffer B/  
File: buffer.kicad\_sch

**Title: Line Buffer**

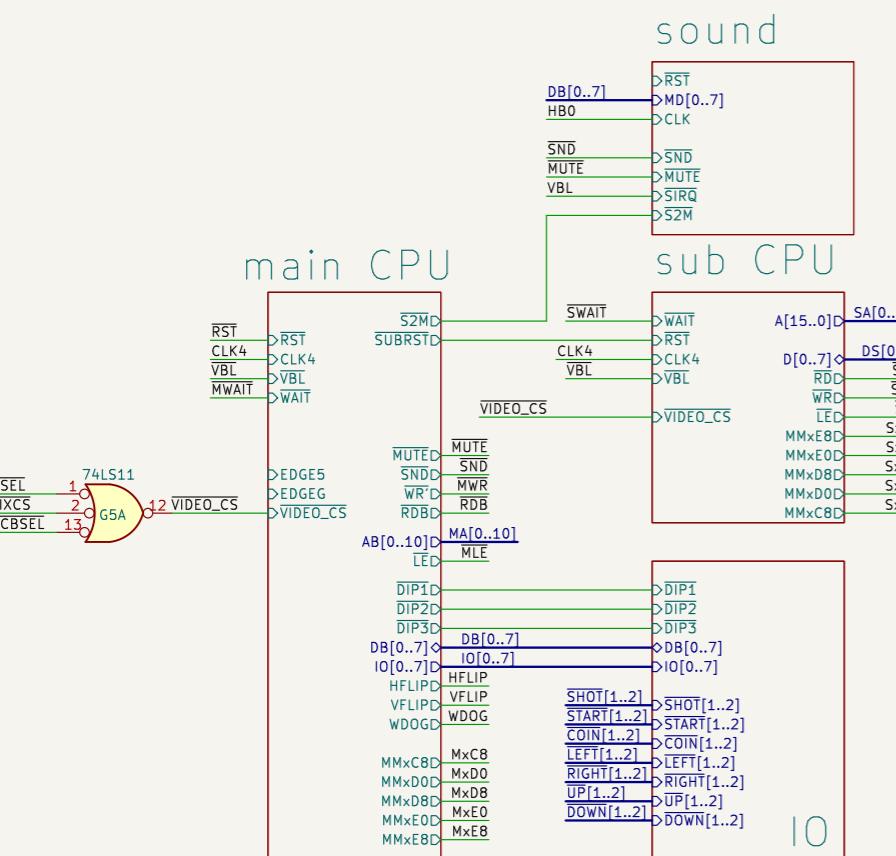
Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev: Id: 2/25

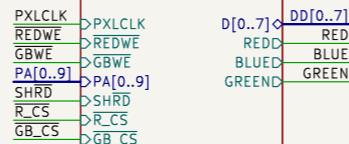
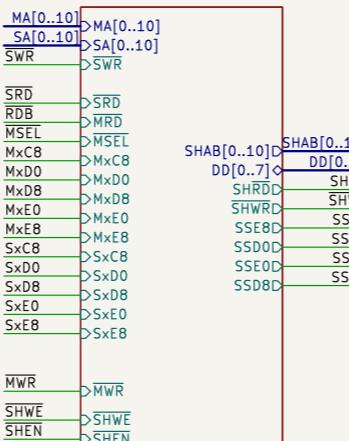
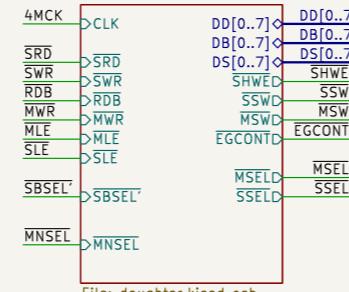
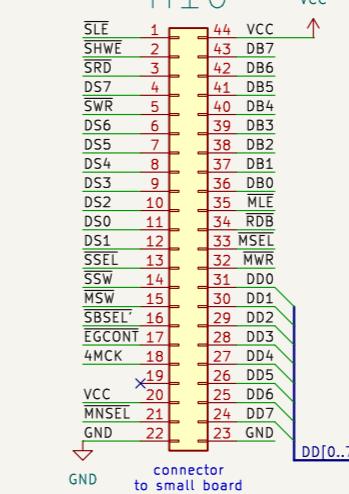


Jose Tejada  
JOTEGO  
Sheet: /cpu\_board/sound/PCM/  
File: pcm.kicad\_sch  
**Title: PCM**  
Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5 Rev: 5/25

A



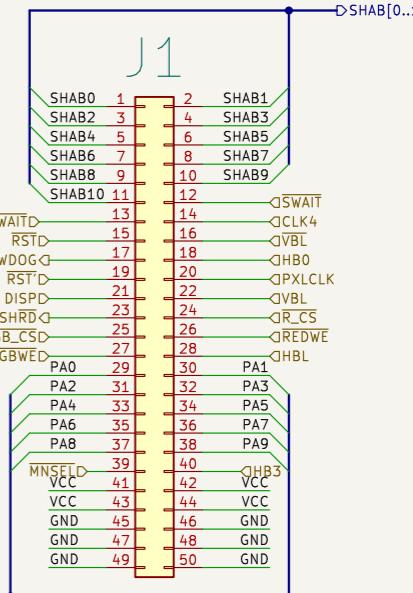
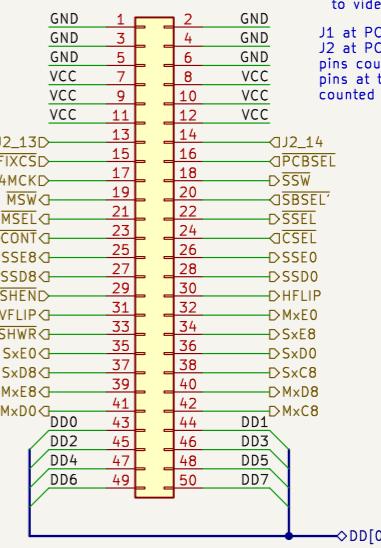
BLUE	A	BLUE	RED	1	RED
B	S2	GREEN	2	GREEN	
C	S3	C3	3	X	
D	S4	C4	4	X	
E	RIGHT2	RIGHT1	5	RIGHT1	
F	LEFT2	LEFT1	6	LEFT1	
G	DOWN2	DOWN1	7	DOWN1	
H	UP2	UP1	8	UP1	
I	SHOT2	SHOT1	9	SHOT1	
J	S10	C10	10	X	
K	S11	EDGE	11	VAMP	
L	S12	VAMP	12	VAMP	
M	S13	C13	13	X	
N	S14	C14	14	X	
O	START2	START1	15	START1	
P	S16	C16	16	X	
Q	S17	COIN1	17	COIN1	
R	S18	COIN2	18	COIN2	
S	VCC	VCC	19	VCC	
T	VCC	VCC	20	VCC	
U	GND	GND	21	GND	
V	GND	GND	22	GND	

**palette****shared****daughter****H10**

GND connector to small board

**J2**

connectors to video board  
J1 at PCB's bottom right  
J2 at PCB's top right  
pins counted from board top down,  
pins at the top row of the connector  
counted as odd



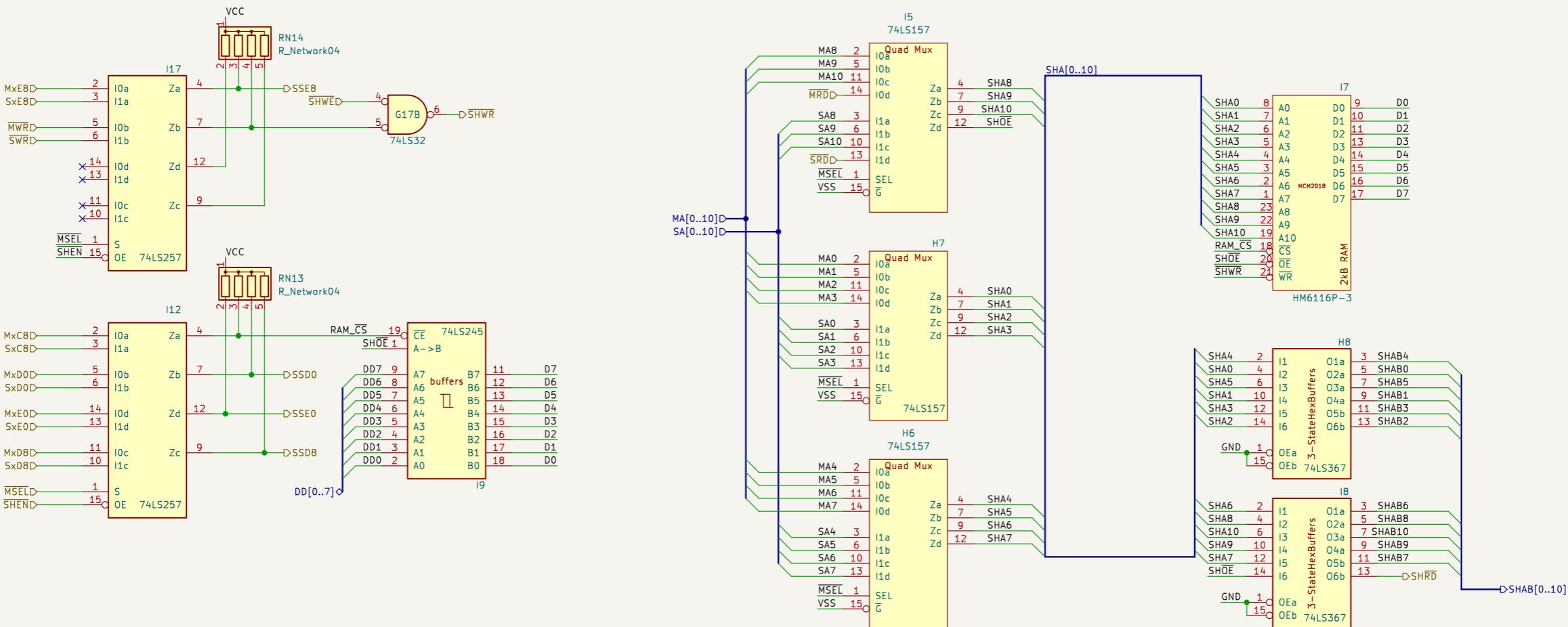
Jose Tejada  
**JOTEGO**

Sheet: /cpu board/  
File: cpu.kicad\_sch

**Title:**

Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 9/25



Jose Tejada  
**JOTEGO**

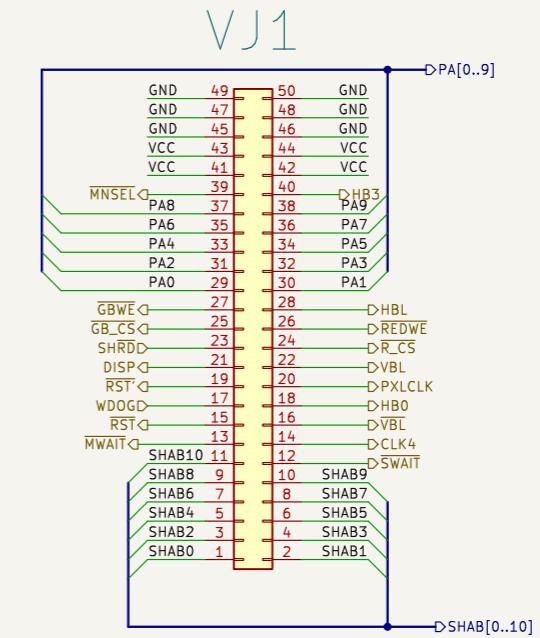
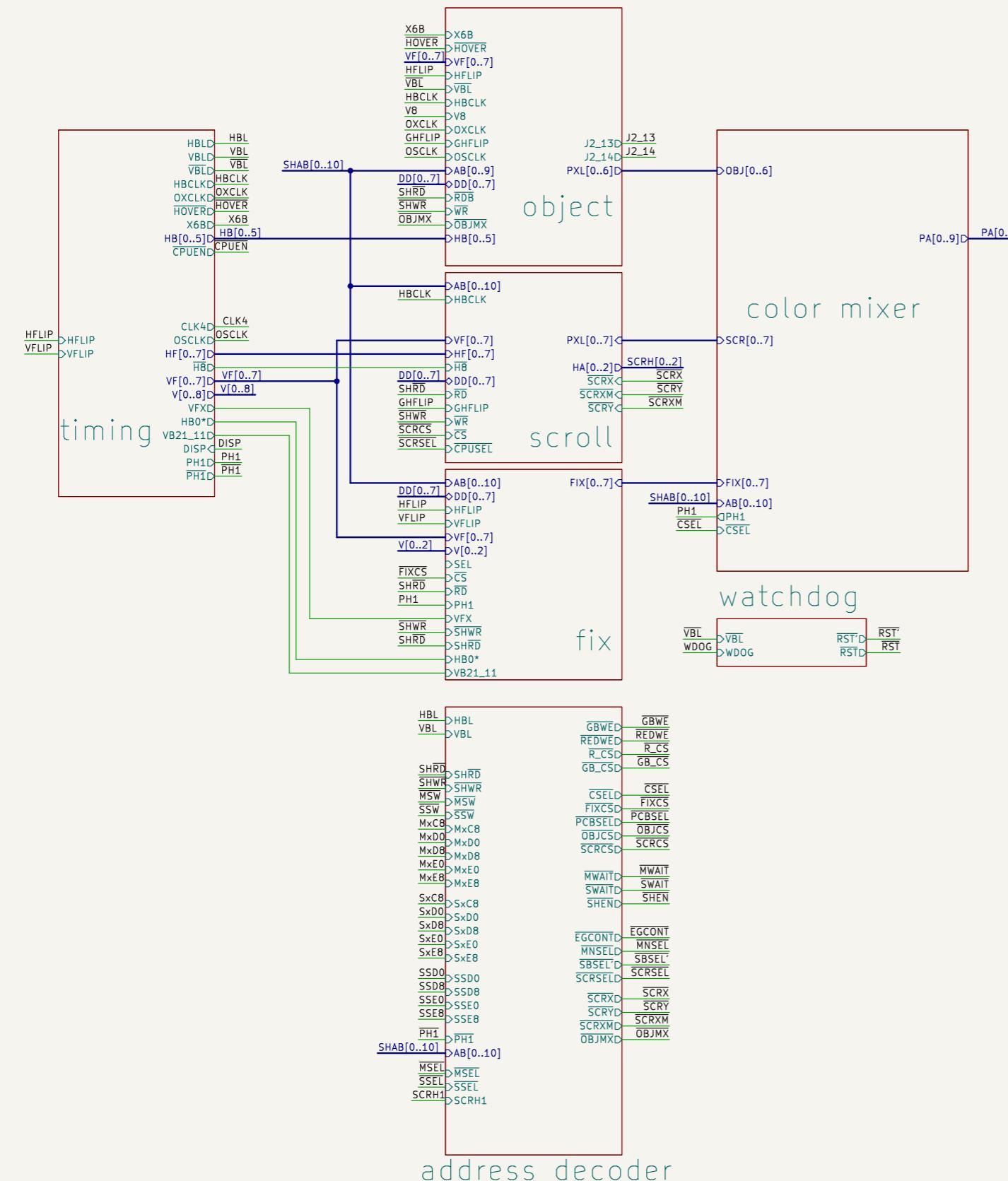
Sheet: /cpu\_board/shared/  
File: shared.kicad\_sch

## Title: Shared Memory

Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

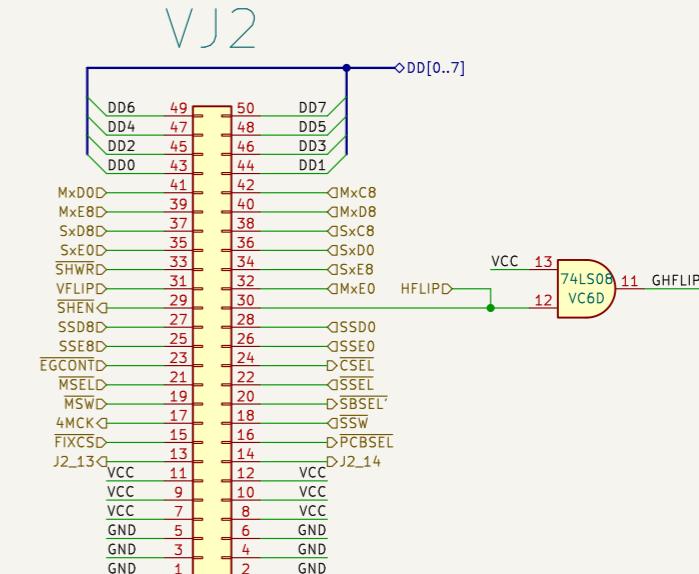
1 / 1

3



connectors  
to CPU board

VJ1 at PCB's top right  
VJ2 at PCB's bottom right  
pins counted from board bottom up,  
pins at the top row of the connector  
counted as even



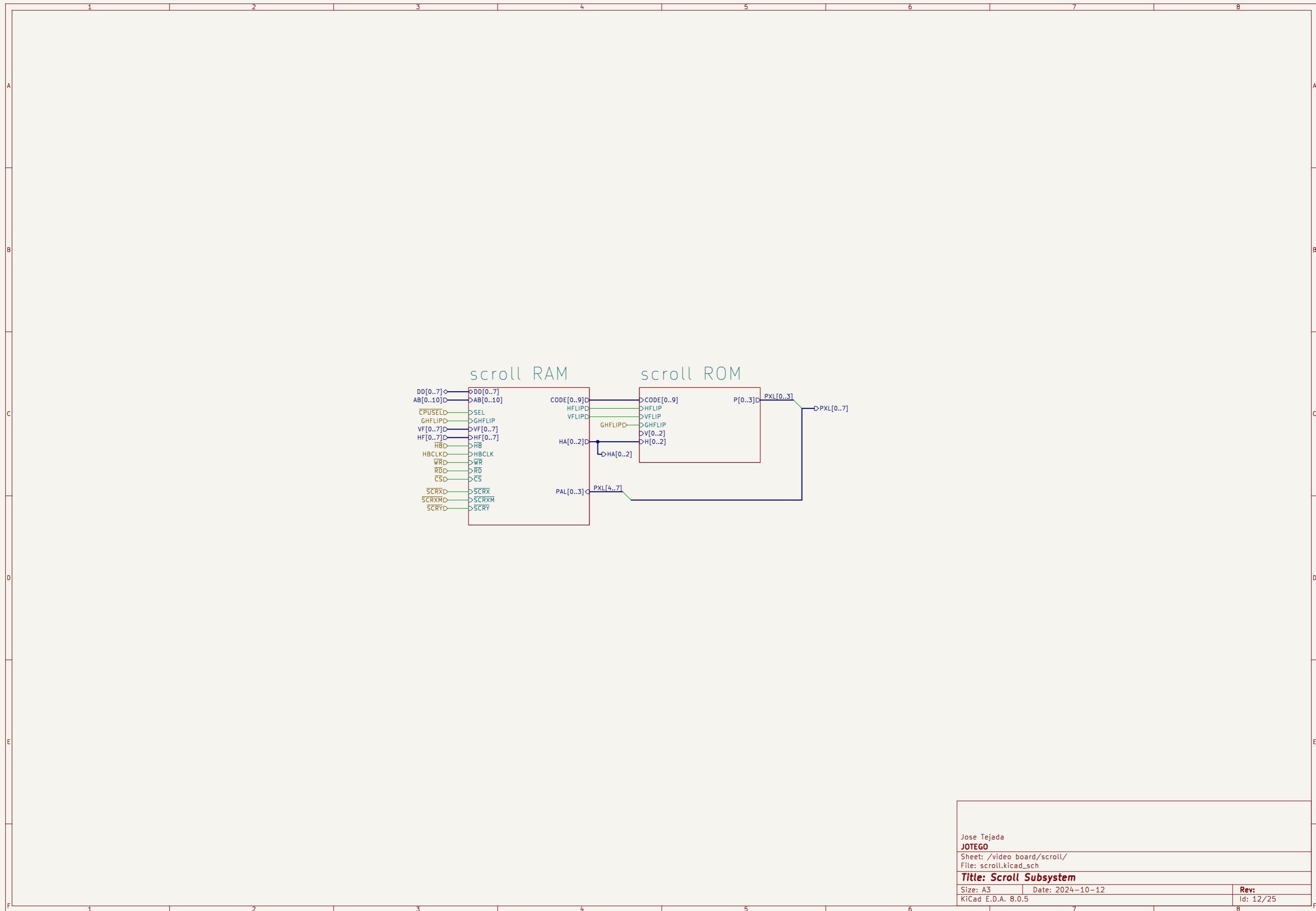
Jose Tejada  
**JOTEGO**  
Gobernador

Sheet: /video board/  
File: video.kicad\_sch

**Title:**

Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 11/2

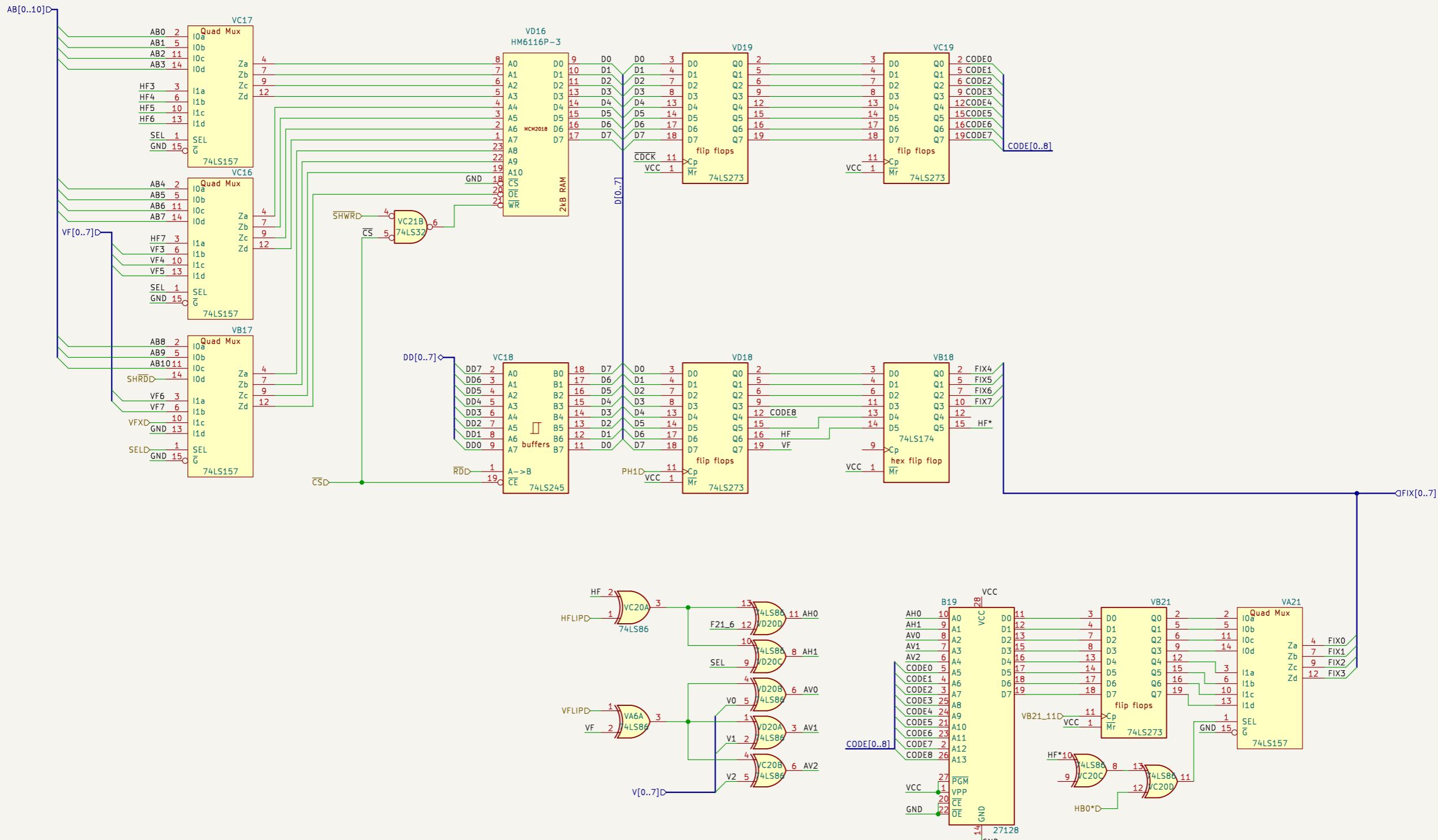


Jose Tejada  
**JOTEGO**

Sheet: /video board/scroll/  
File: scroll.kicad\_sch

**Title: Scroll Subsystem**

Size: A3	Date: 2024-10-12
KiCad E.D.A. 8.0.5	Id: 12/25



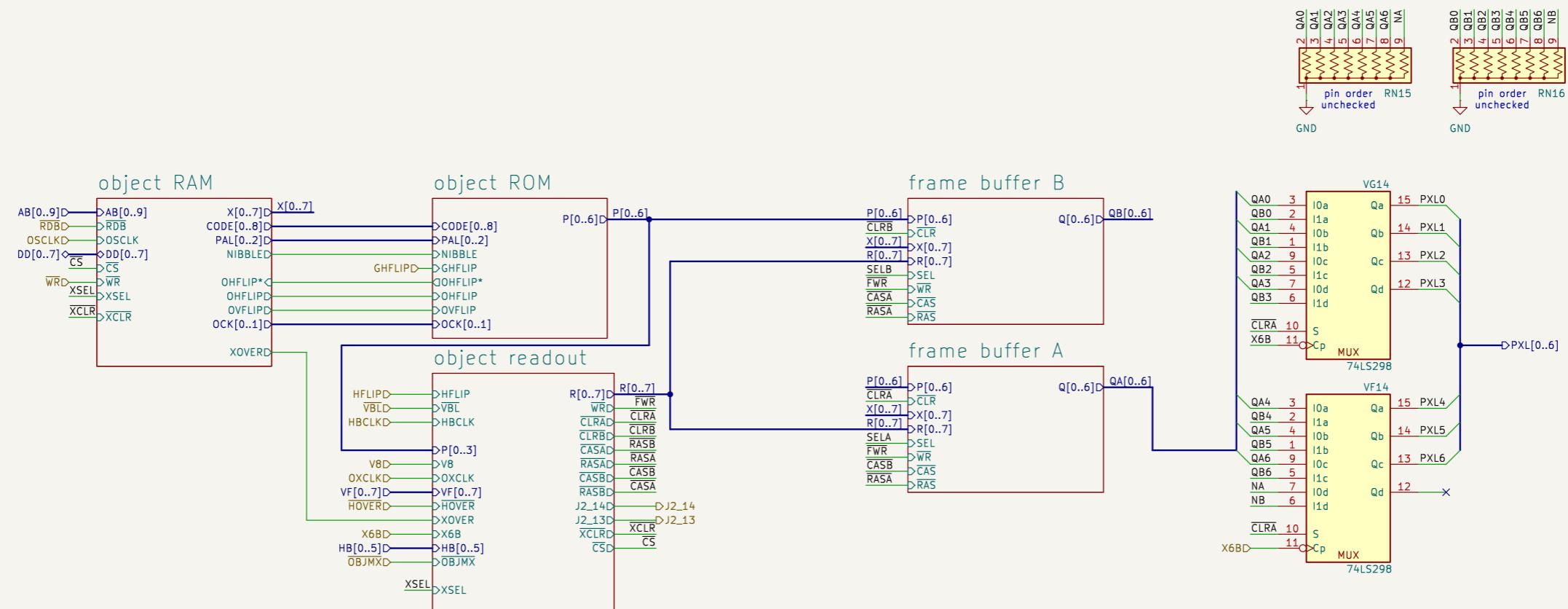
Jose Tejada  
JOTEGO

Sheet: /video board/fix/  
File: fix.kicad\_sch

Title: Fixed Character Layer

Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 13/25



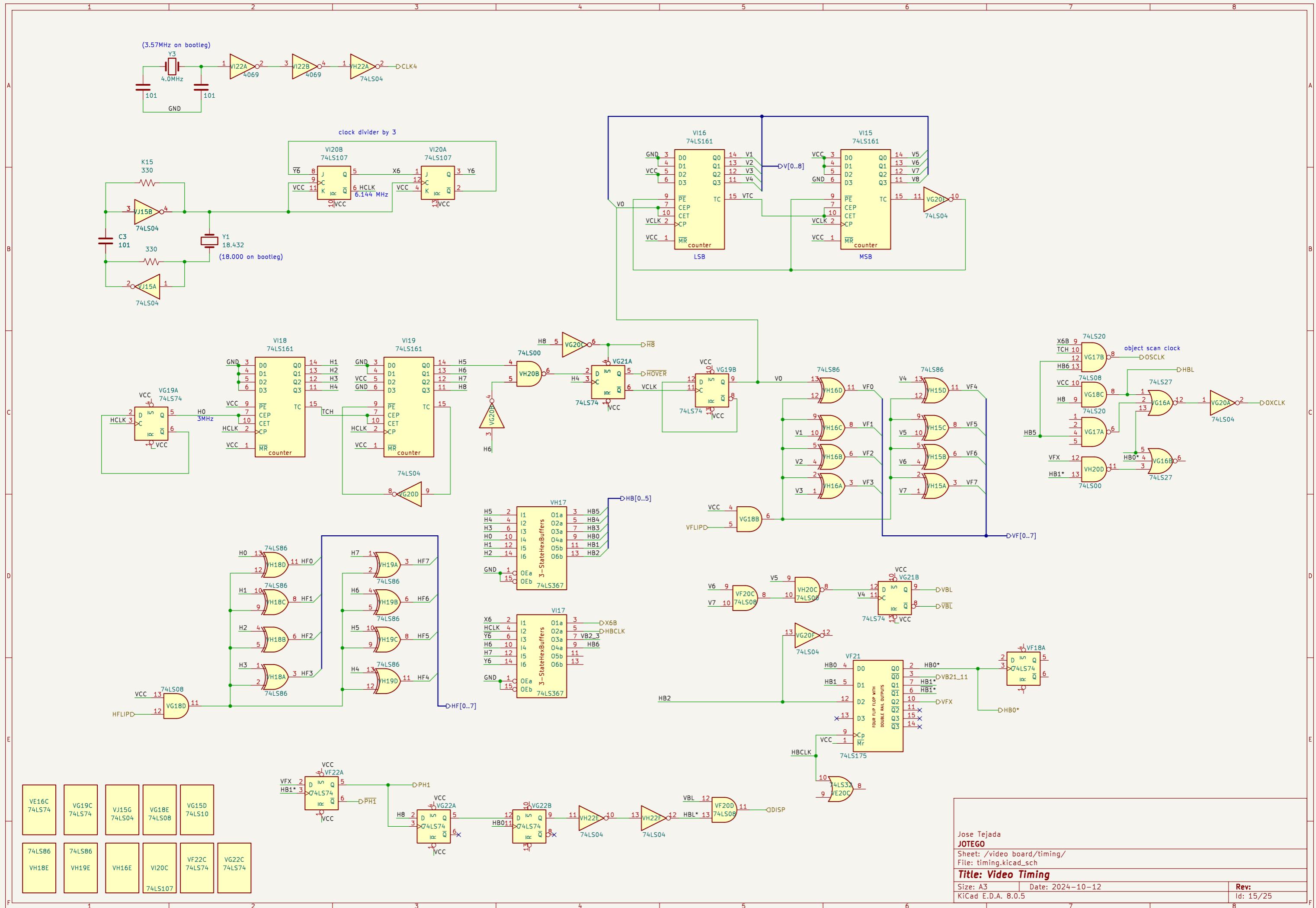
Jose Tejada  
JOTEGO

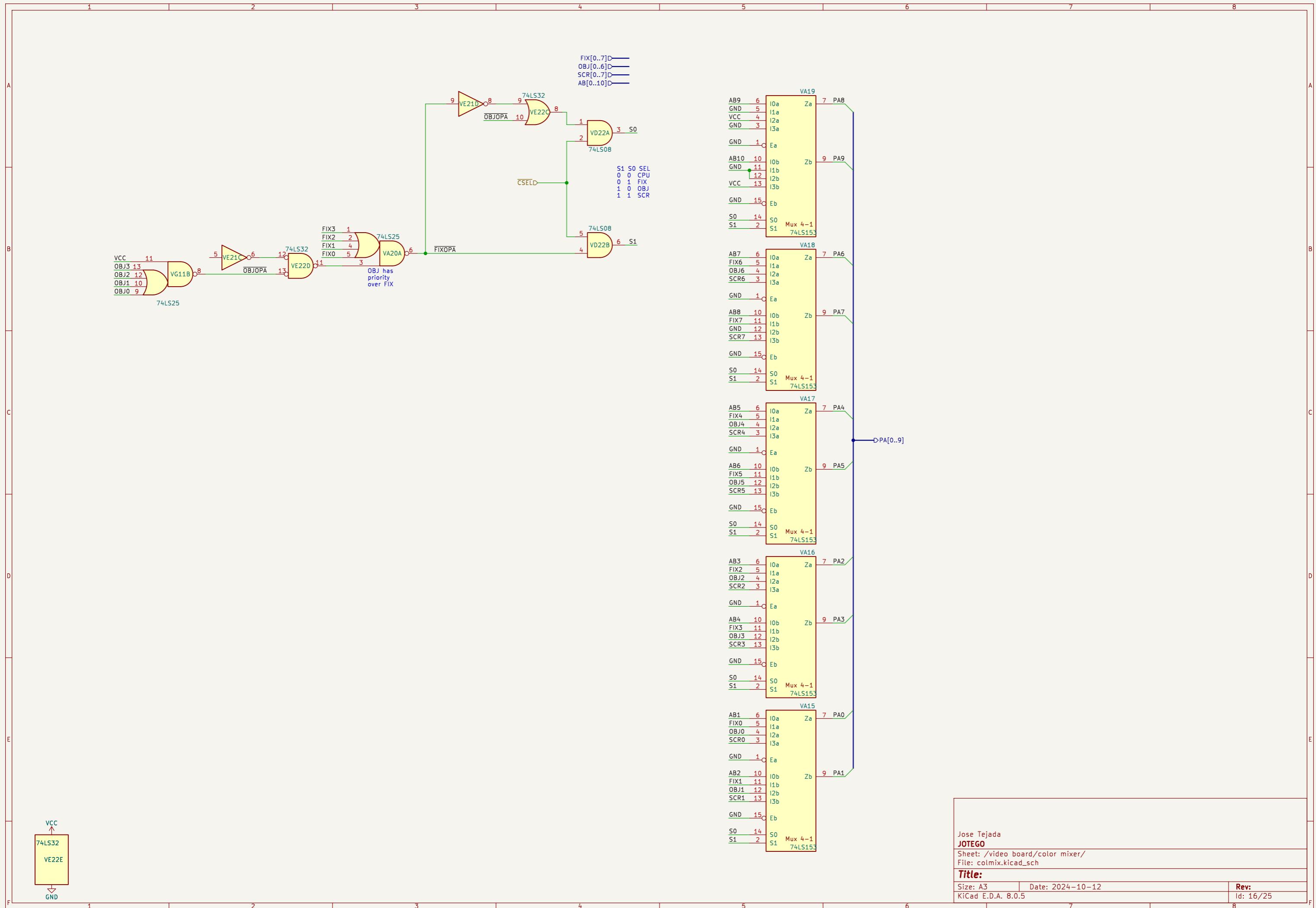
Sheet: /video board/object/  
File: object.kicad\_sch

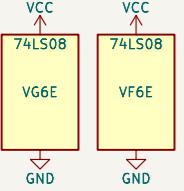
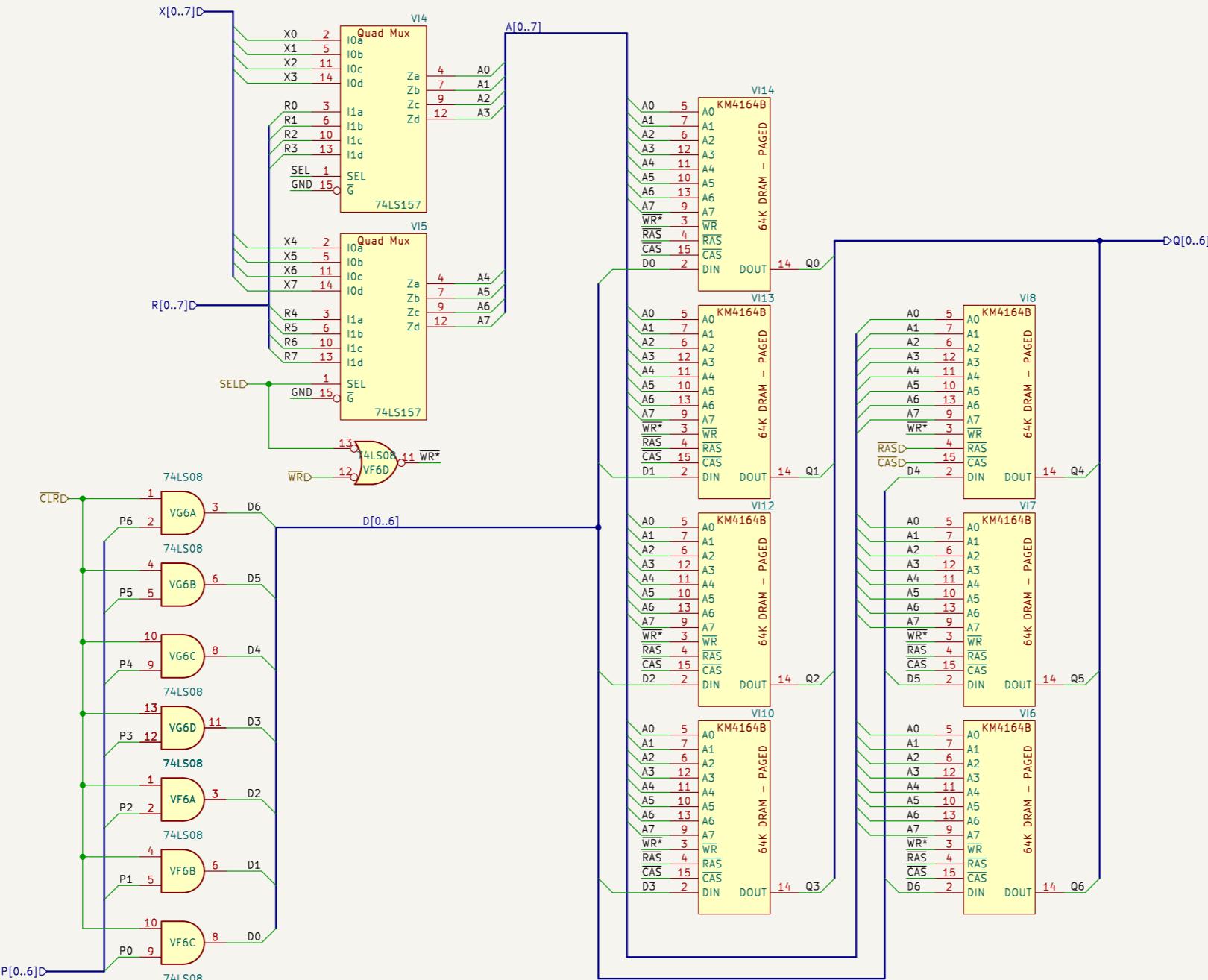
**Title: Object Subsystem**

Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 14/25





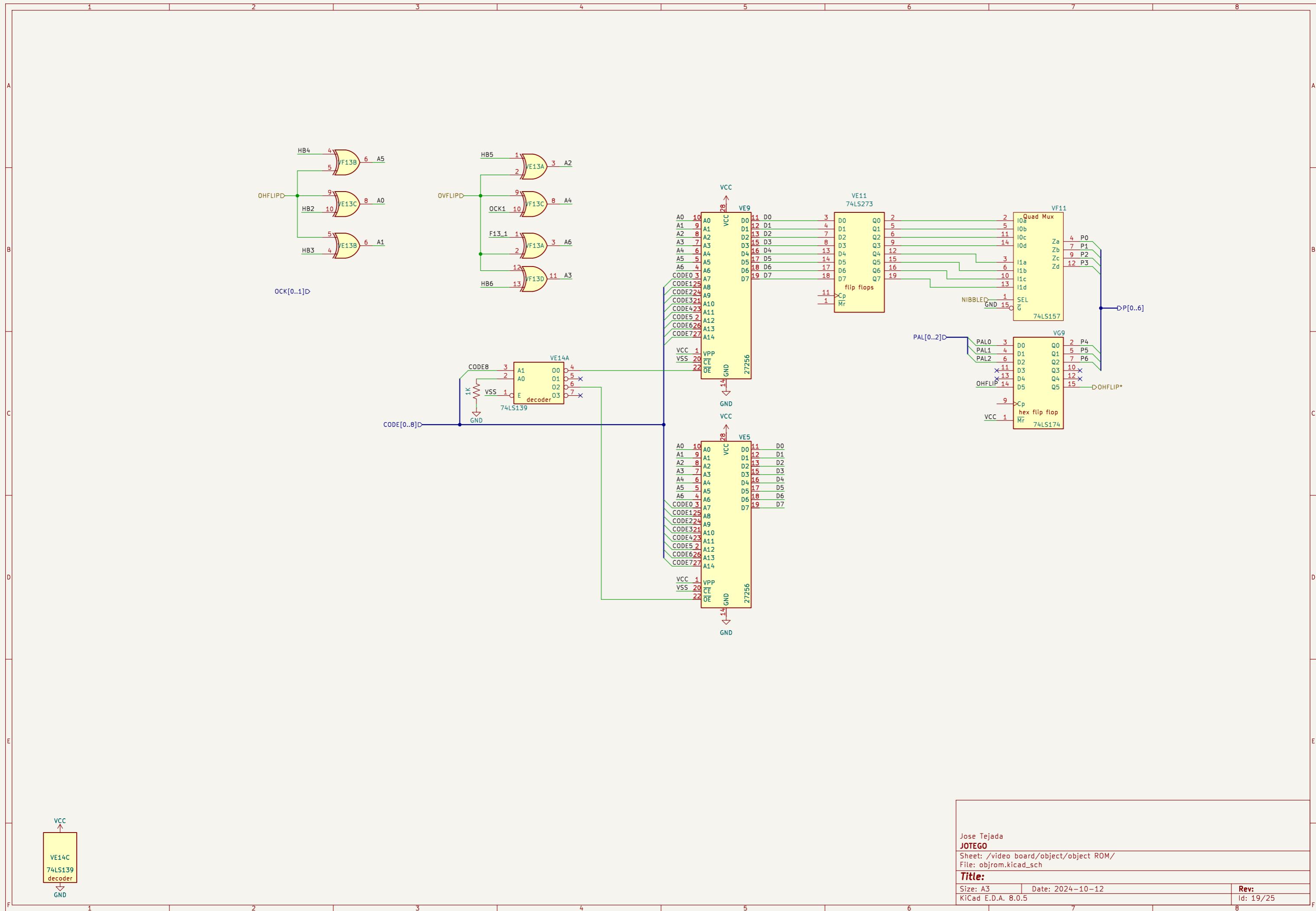


Jose Tejada  
JOTEGO  
Sheet: /video board/object/frame buffer A/  
File: buffer.kicad\_sch

#### Title: Line Buffer

Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

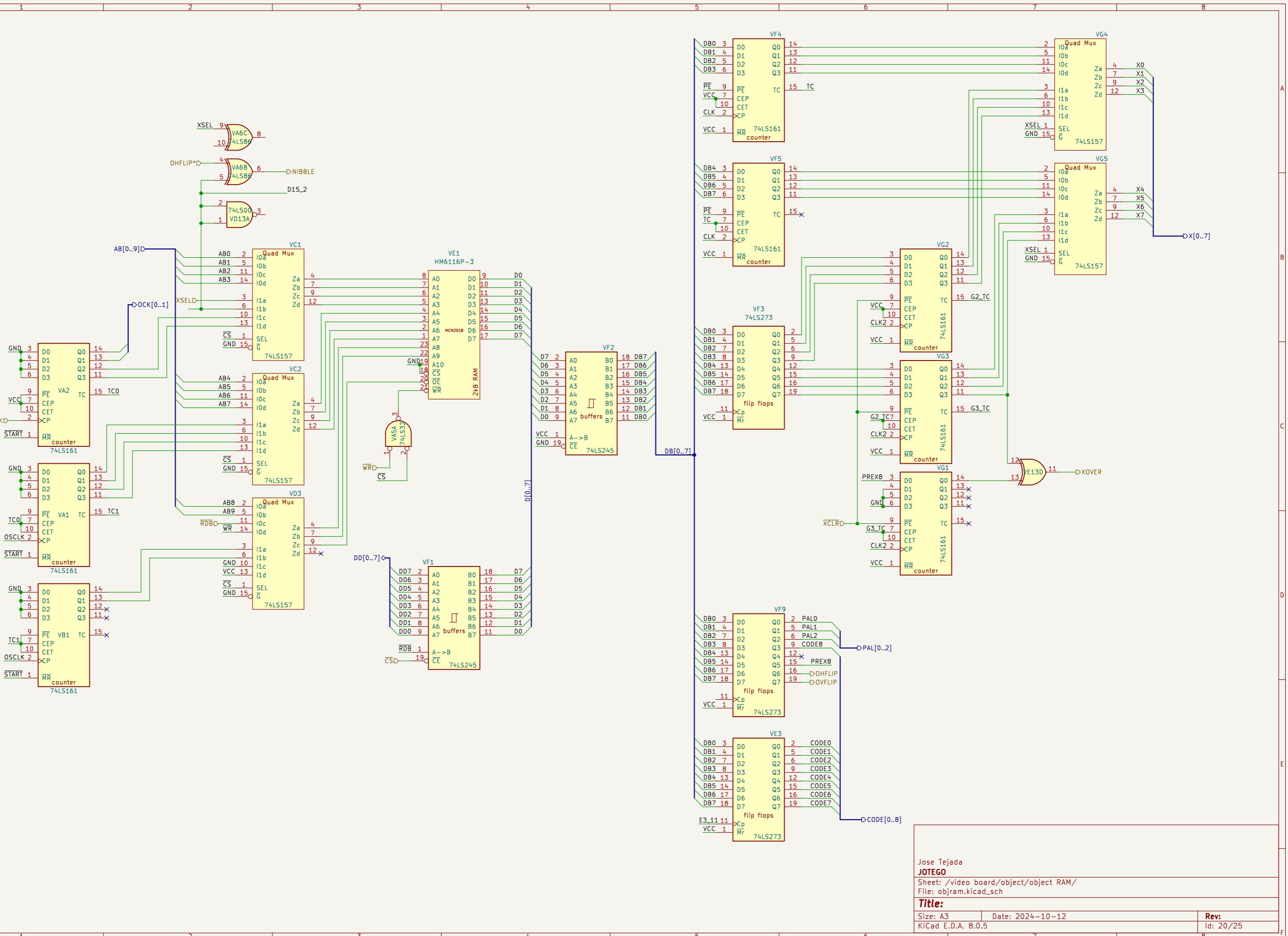
Rev:  
Id: 17/25

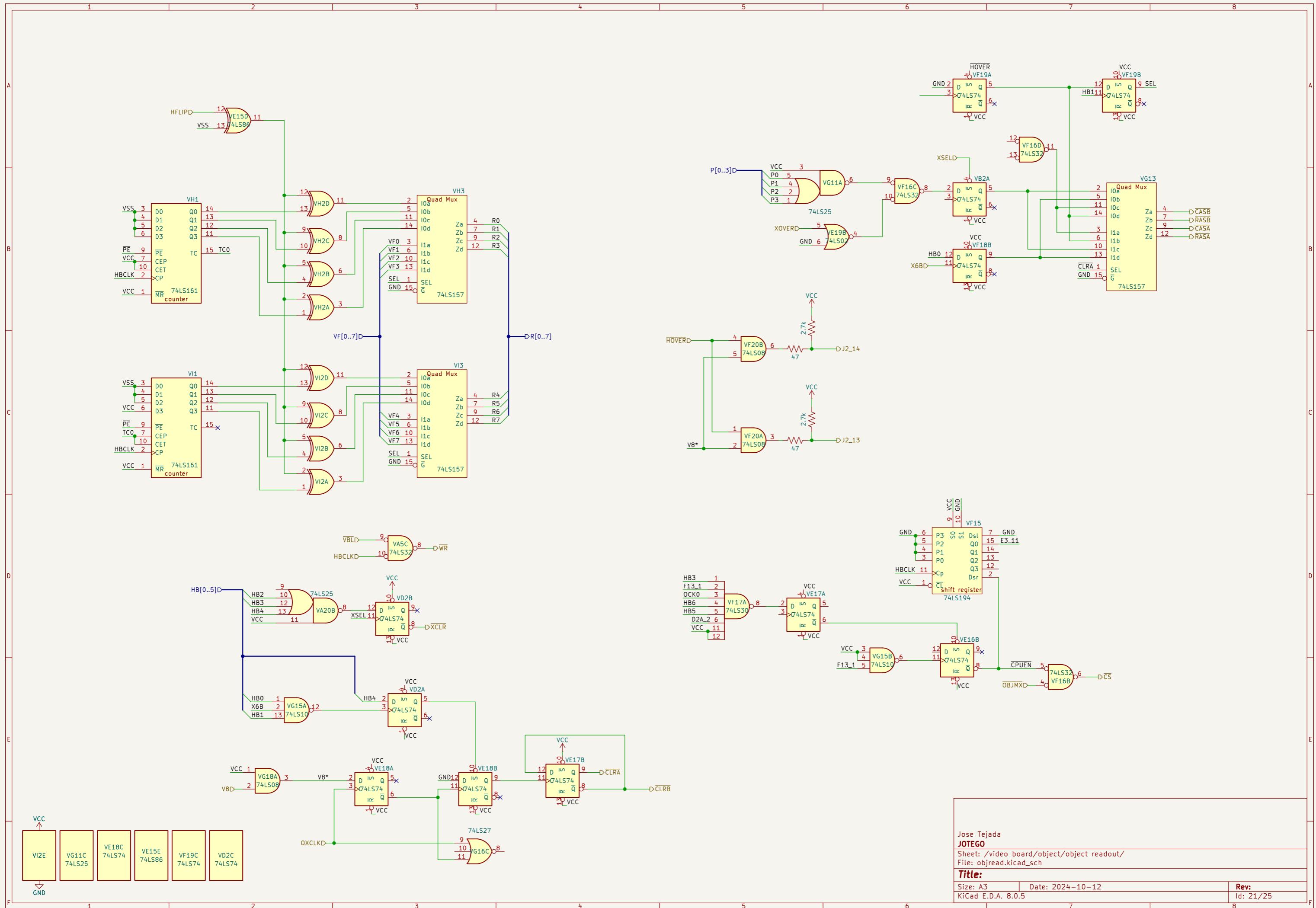


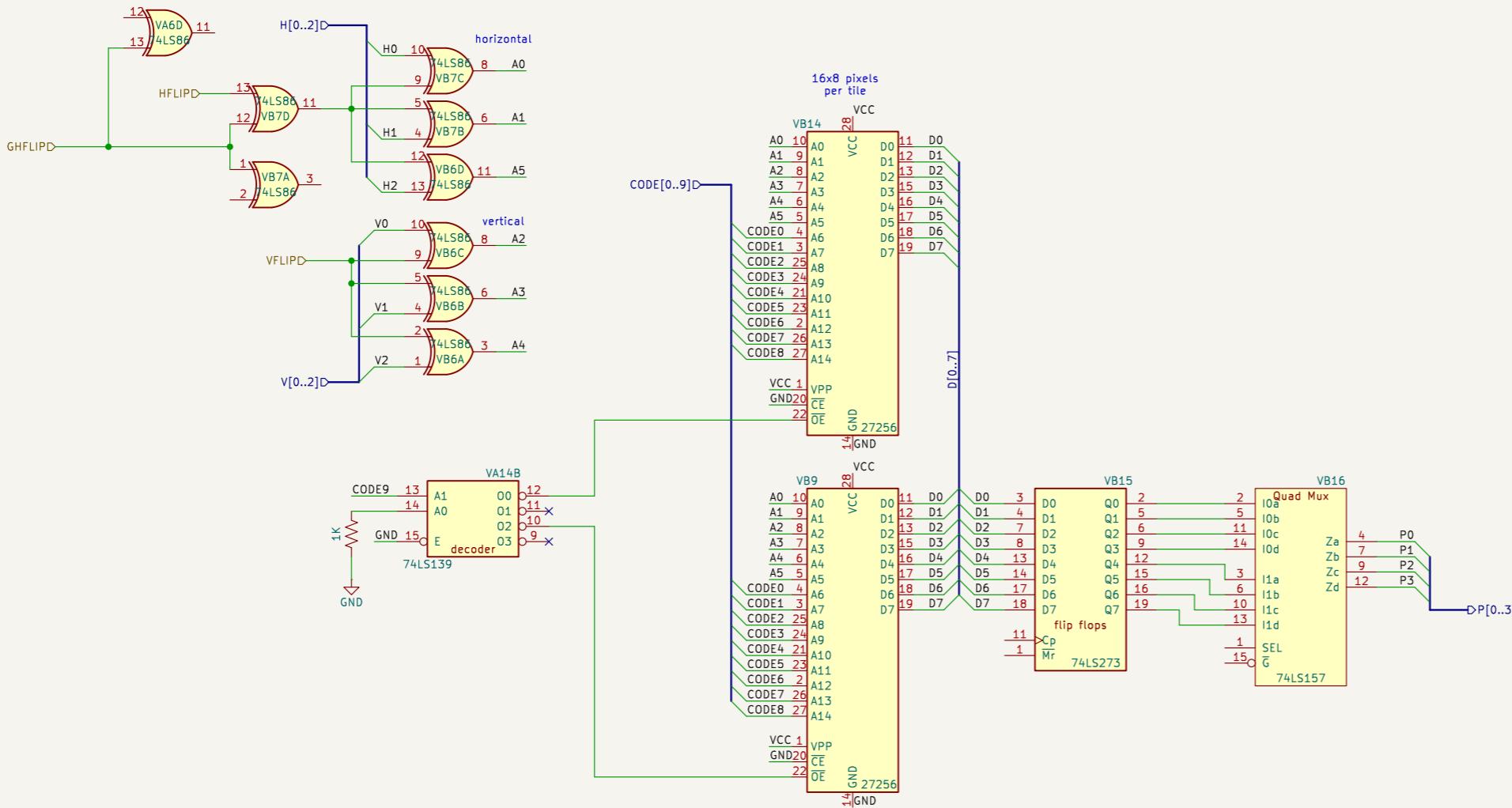
Jose Tejada  
JOTEGO  
Sheet: /video board/object/object ROM/  
File: objrom.kicad\_sch

**Title:**

Size: A3	Date: 2024-10-12
KiCad E.D.A. 8.0.5	Rev: 19/25





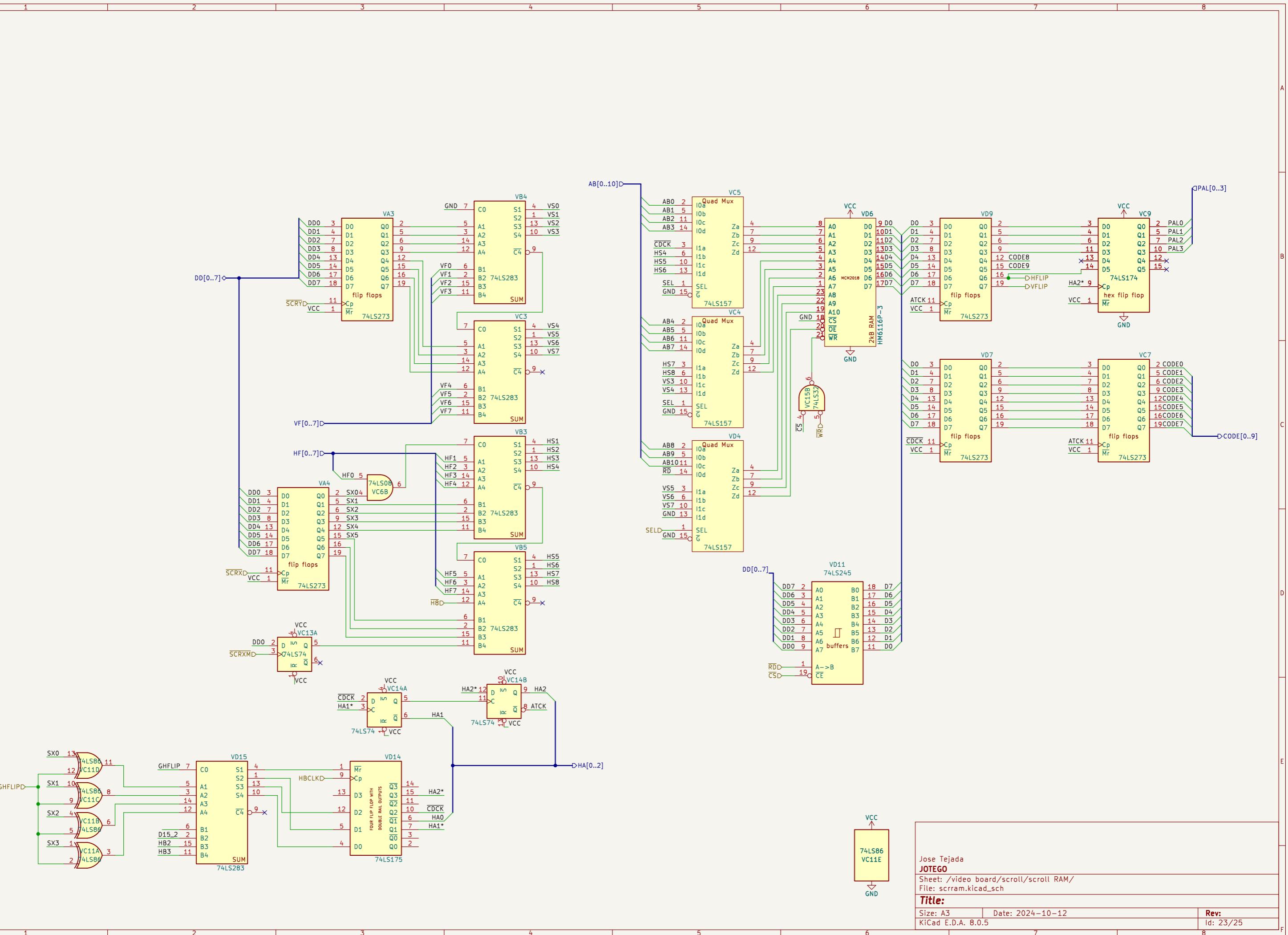


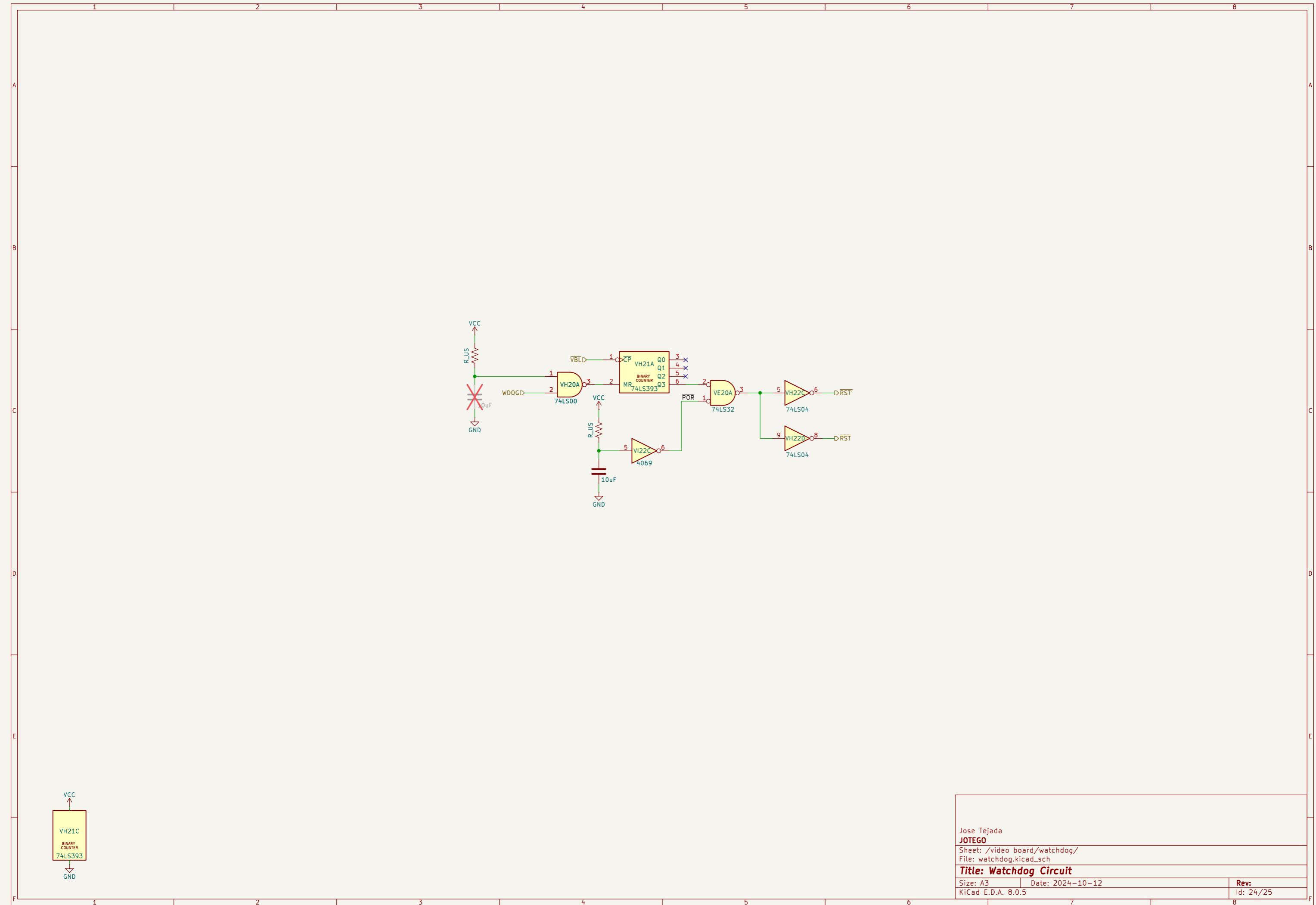
Jose Tejada  
**JOTEGO**  
Sheet: /video board/scroll/scroll ROM/  
File: scrom.kicad\_sch

**Title:**

Size: A3 Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev: Id: 22/25





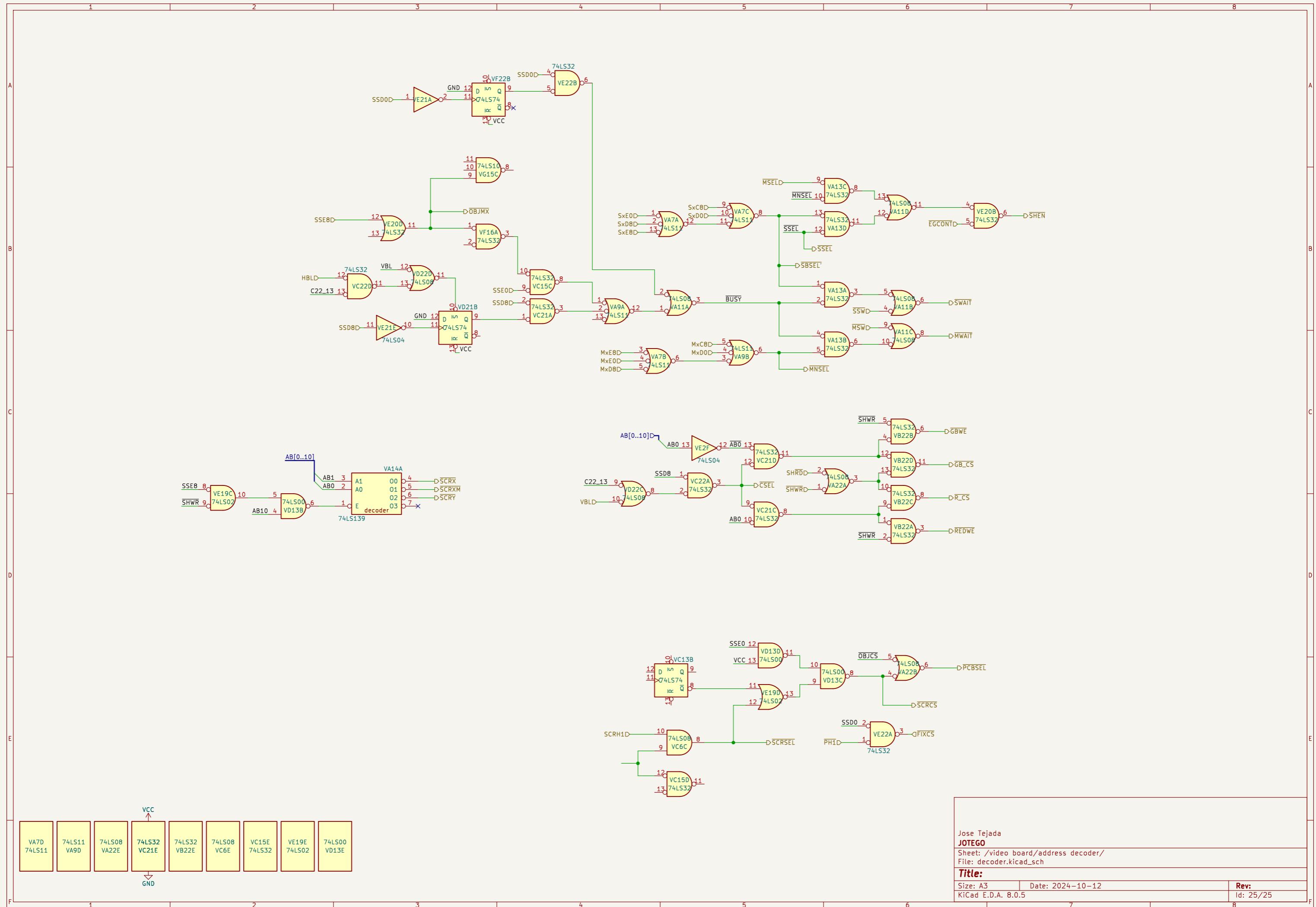
Jose Tejada  
JOTEGO

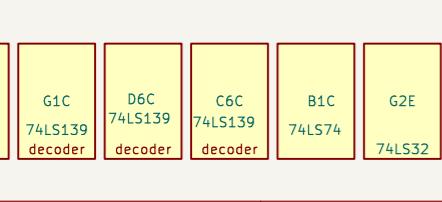
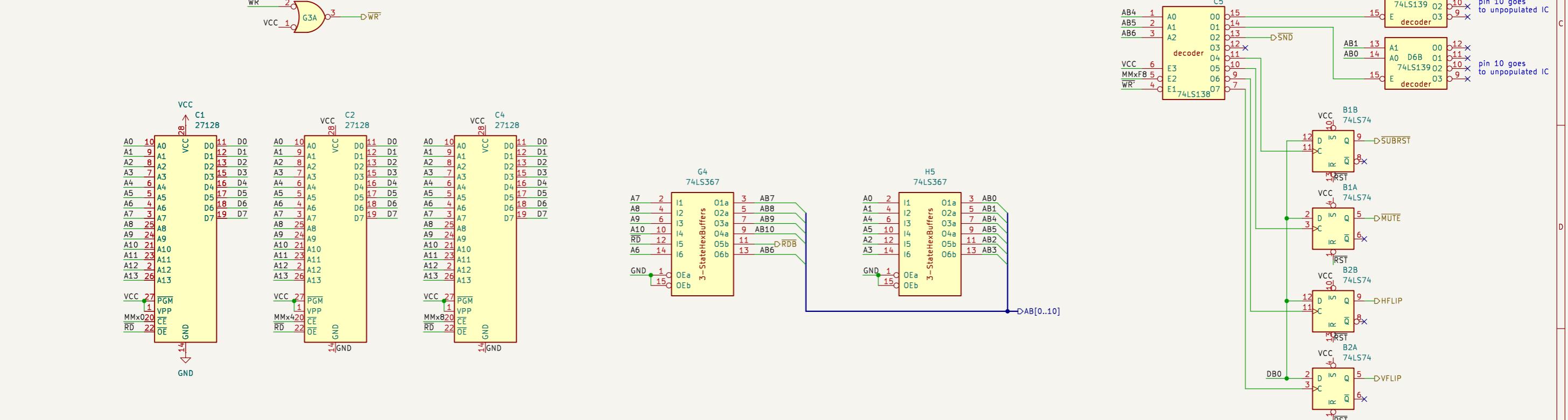
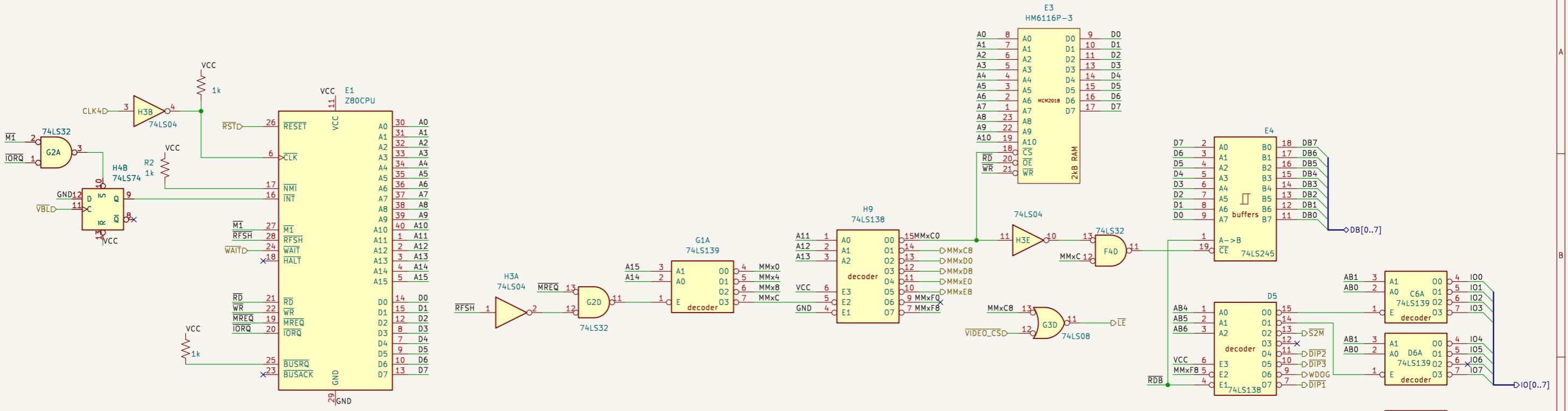
Sheet: /video board/watchdog/  
File: watchdog.kicad\_sch

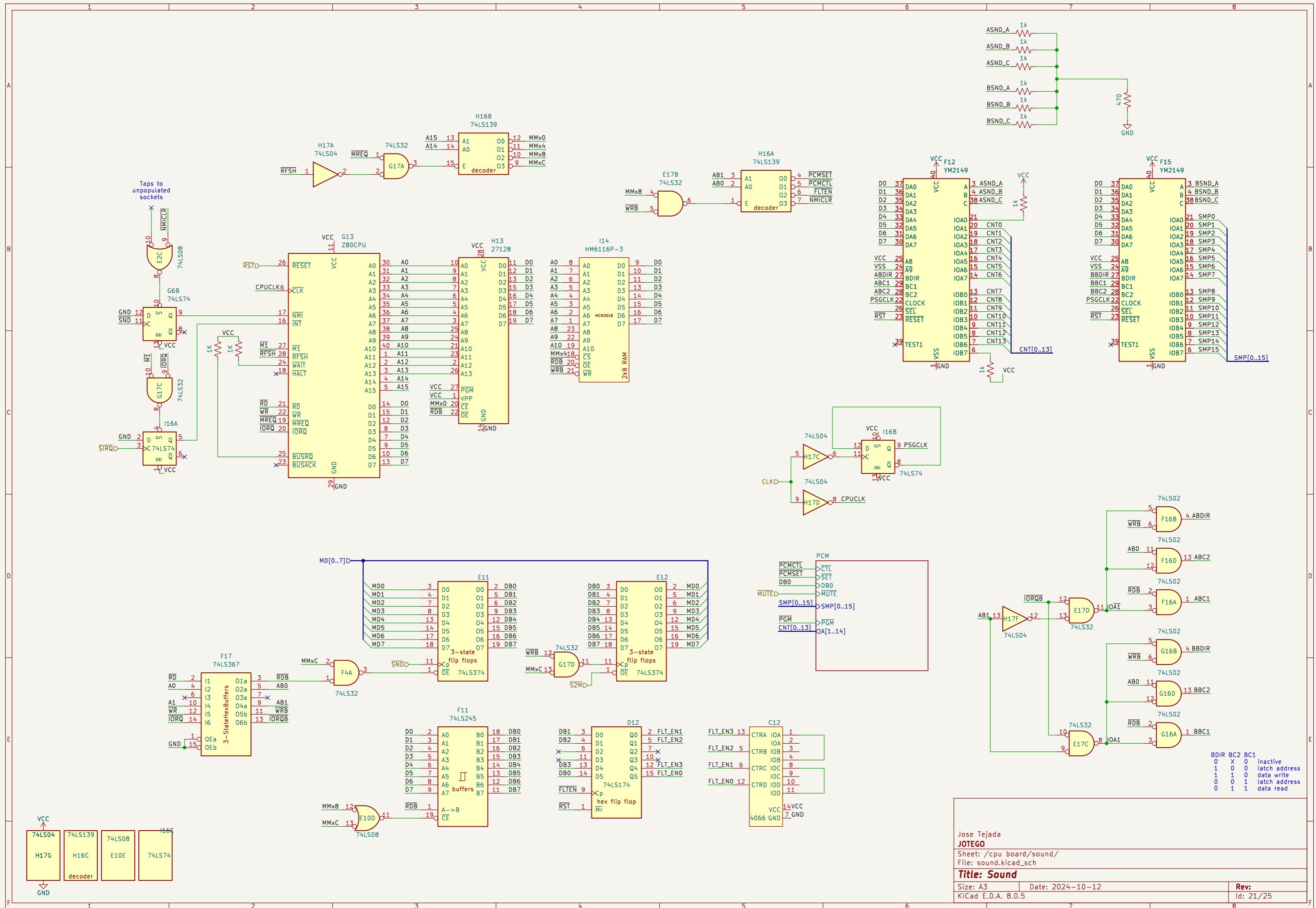
**Title: Watchdog Circuit**

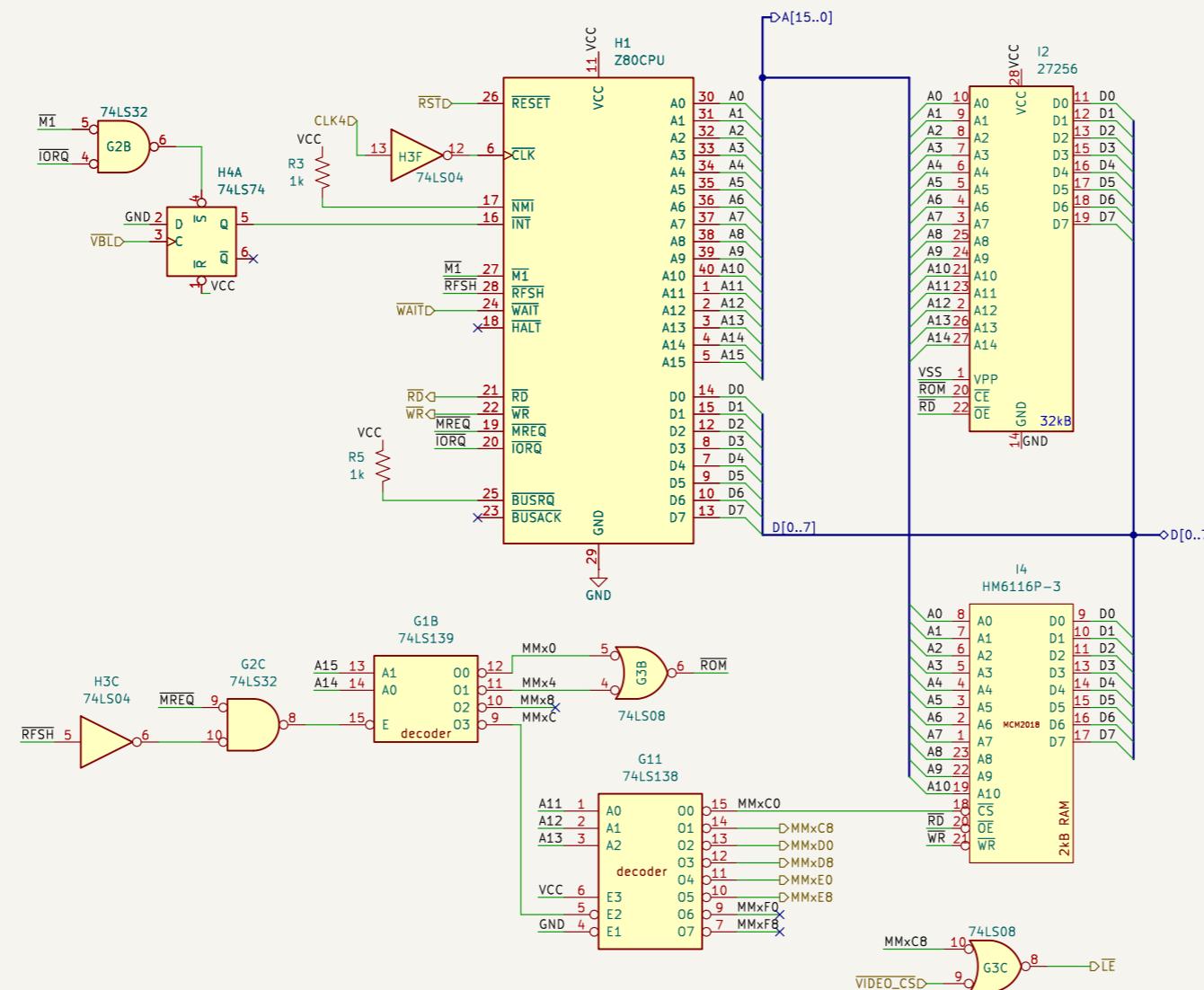
Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 24/25









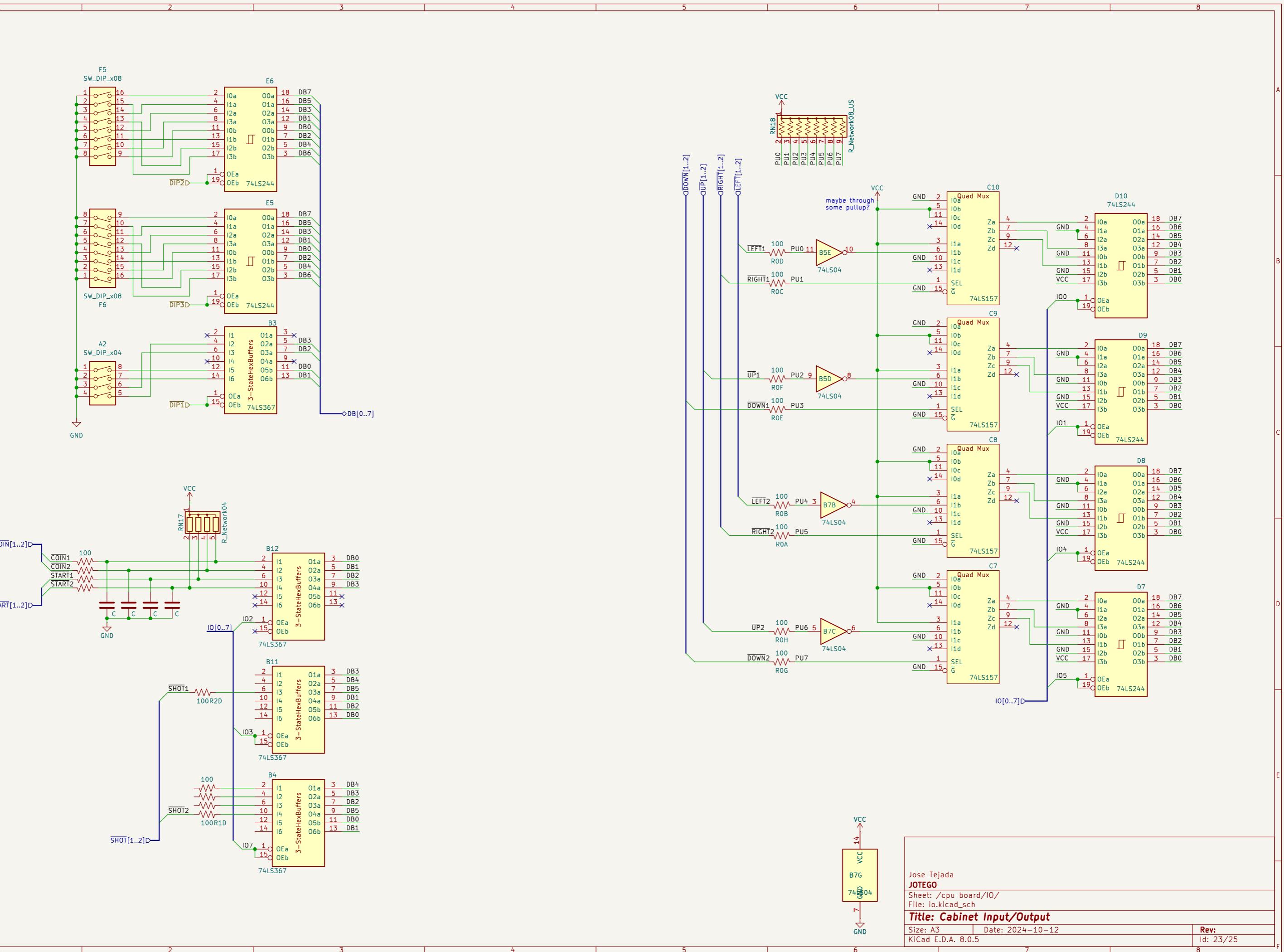
Jose Tejada  
JOTEGO

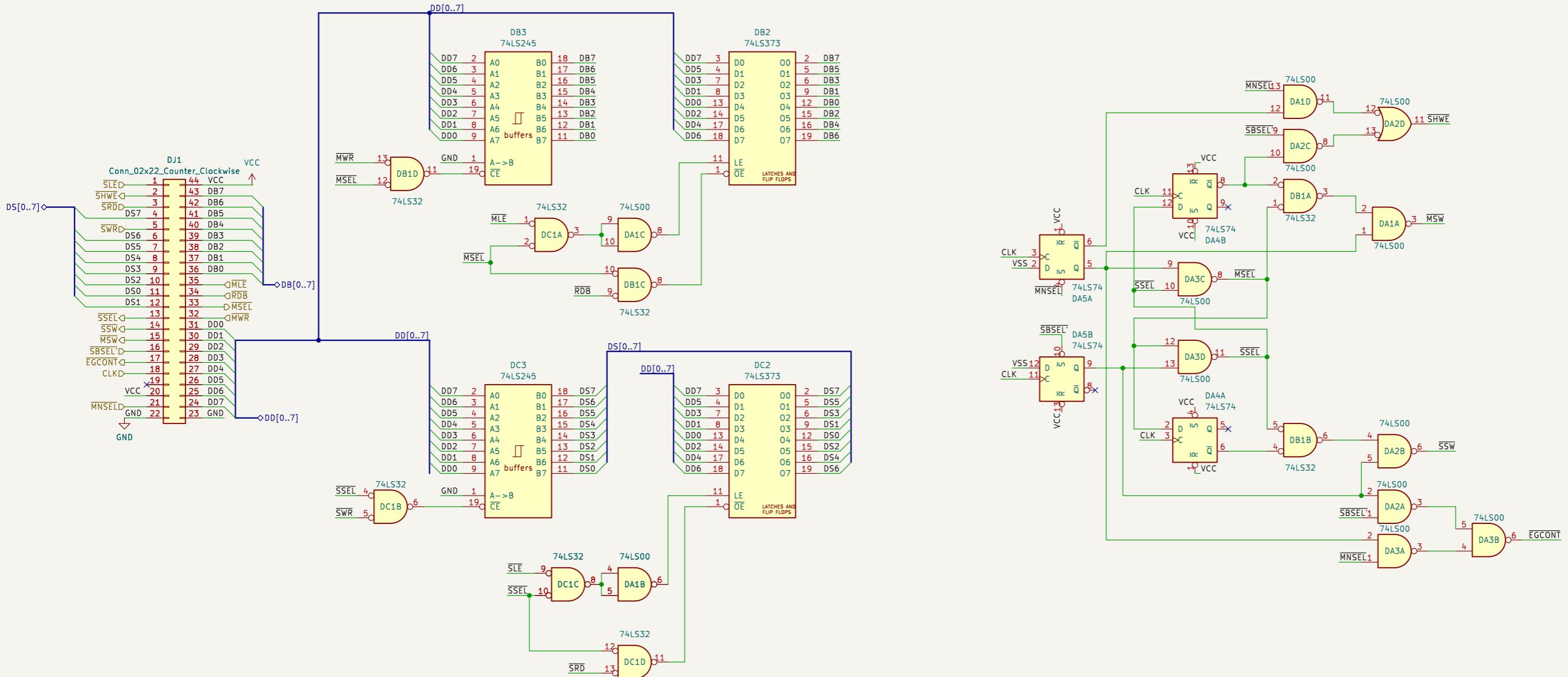
Sheet: /cpu board/sub CPU/  
File: subcpu.kicad\_sch

Title: Subordinate CPU

Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev:  
Id: 22/25





A

B

C

D

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F

A

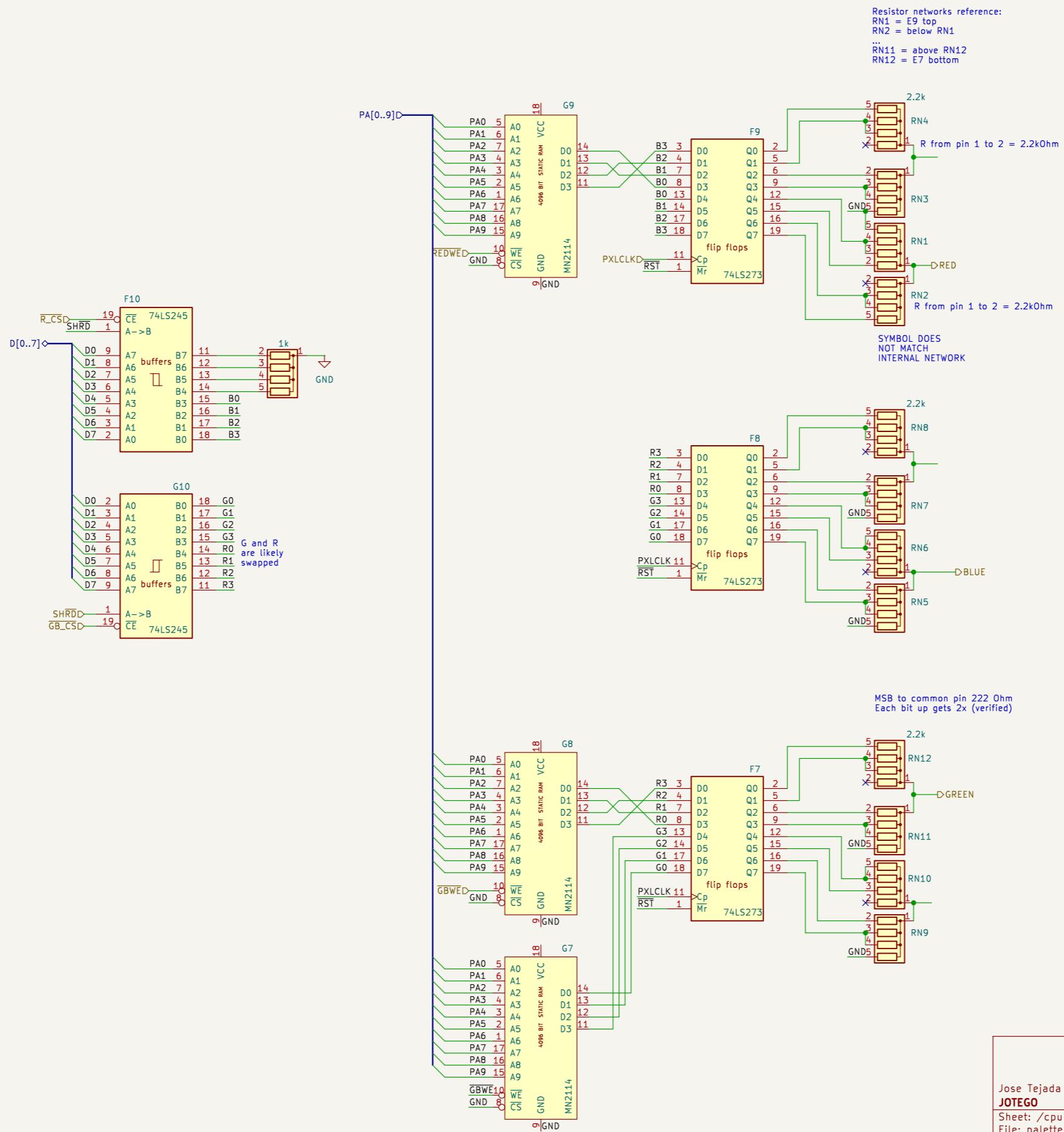
B

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F



Jose Tejada

JOTEGO

Sheet: /cpu board/palette/  
File: palette.kicad\_sch**Title: Color Palette**Size: A3 | Date: 2024-10-12  
KiCad E.D.A. 8.0.5

Rev: #/25