Conn\_01x20  
J1

+12V

VCC

1

PWR\_FLAG

2

PWR\_FLAG

3

PWR\_FLAG

4

GND

1

-12V

2

Conn\_01x04  
B1

RN4G

R\_Network09\_Split

PULLUP

Sheet: /

File: mainboard.kicad\_sch

Title:

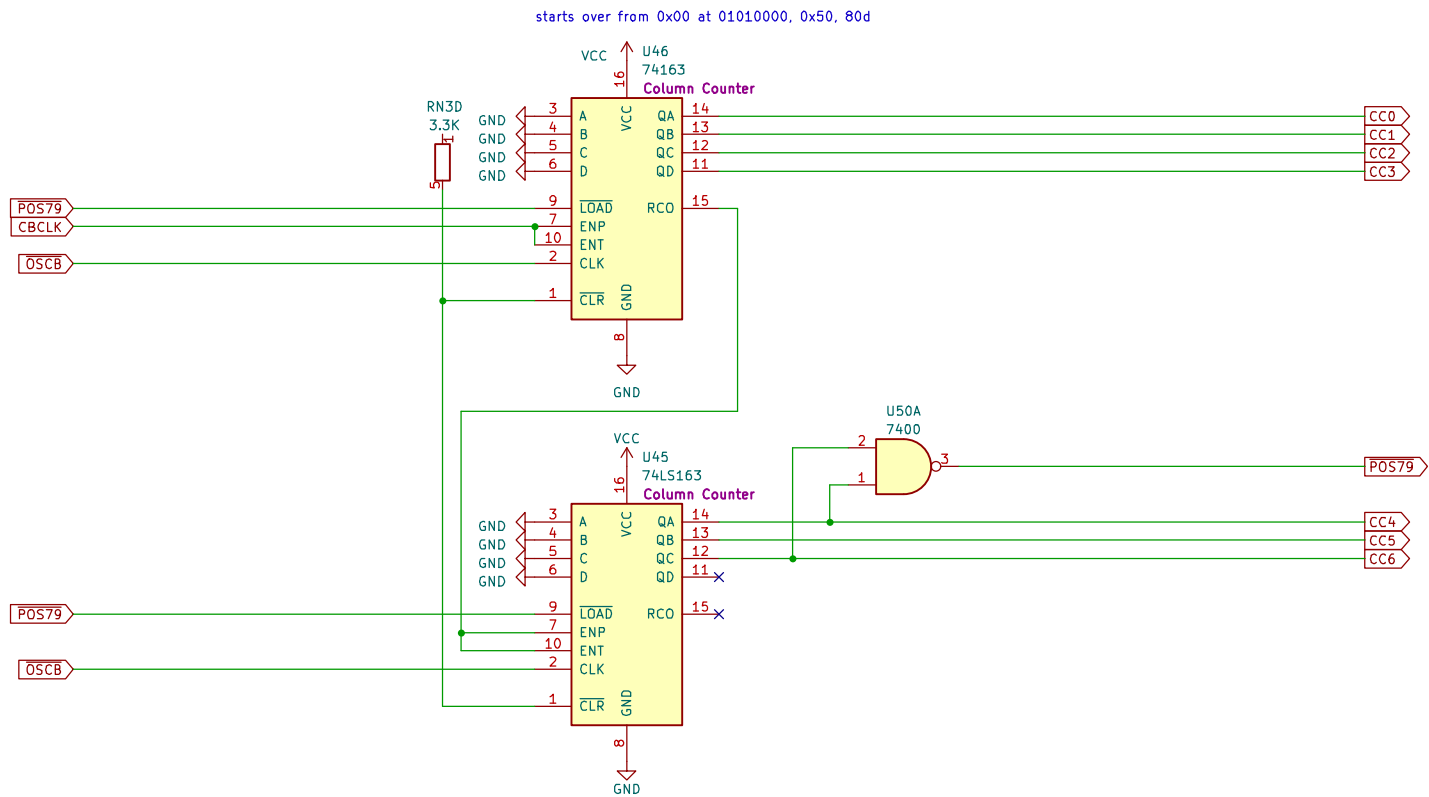
Size: USLetter

Date:

Rev:

KiCad E.D.A. 8.0.4

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Sheet: /Column Counters/  
File: column.kicad\_sch

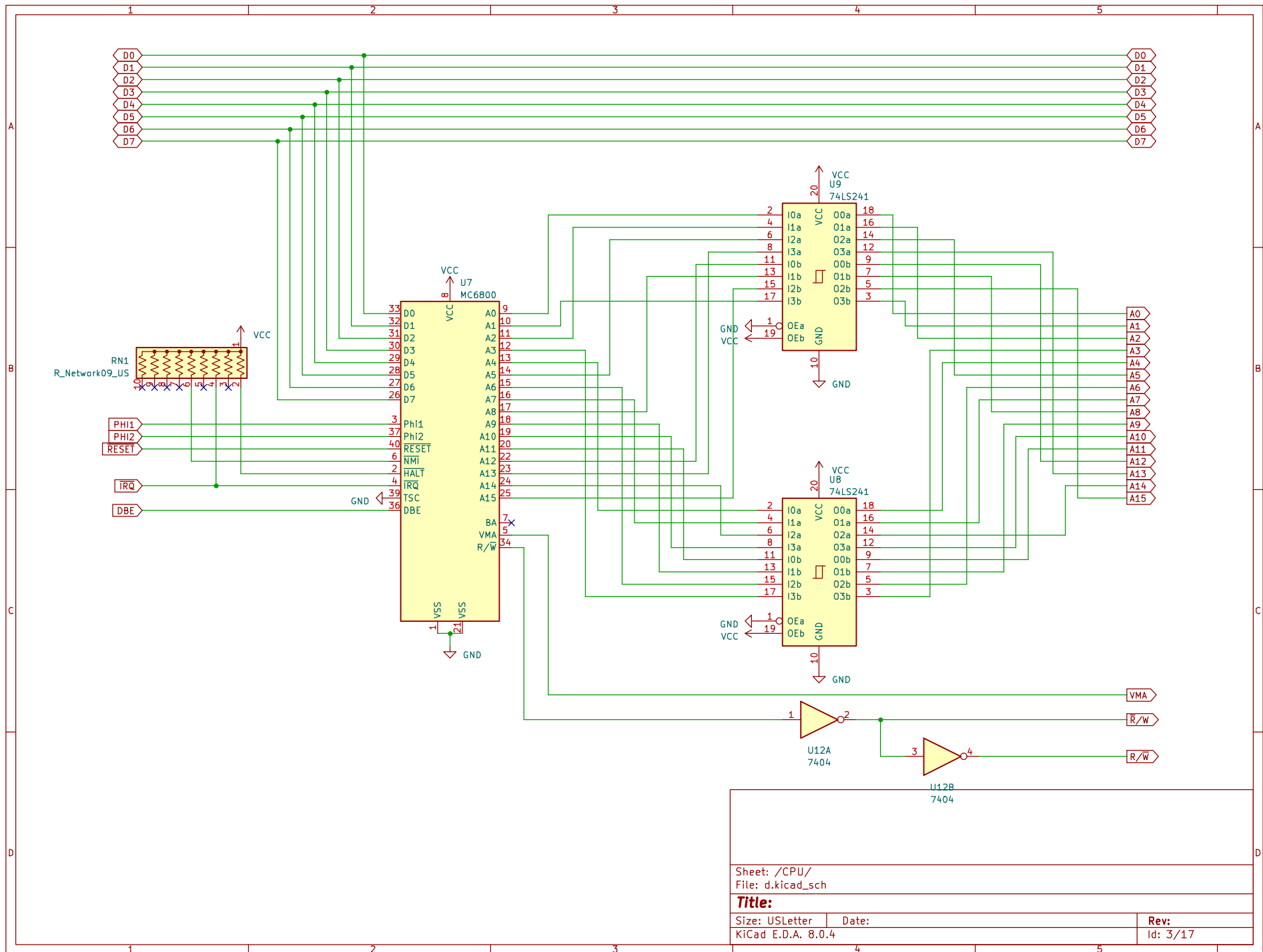
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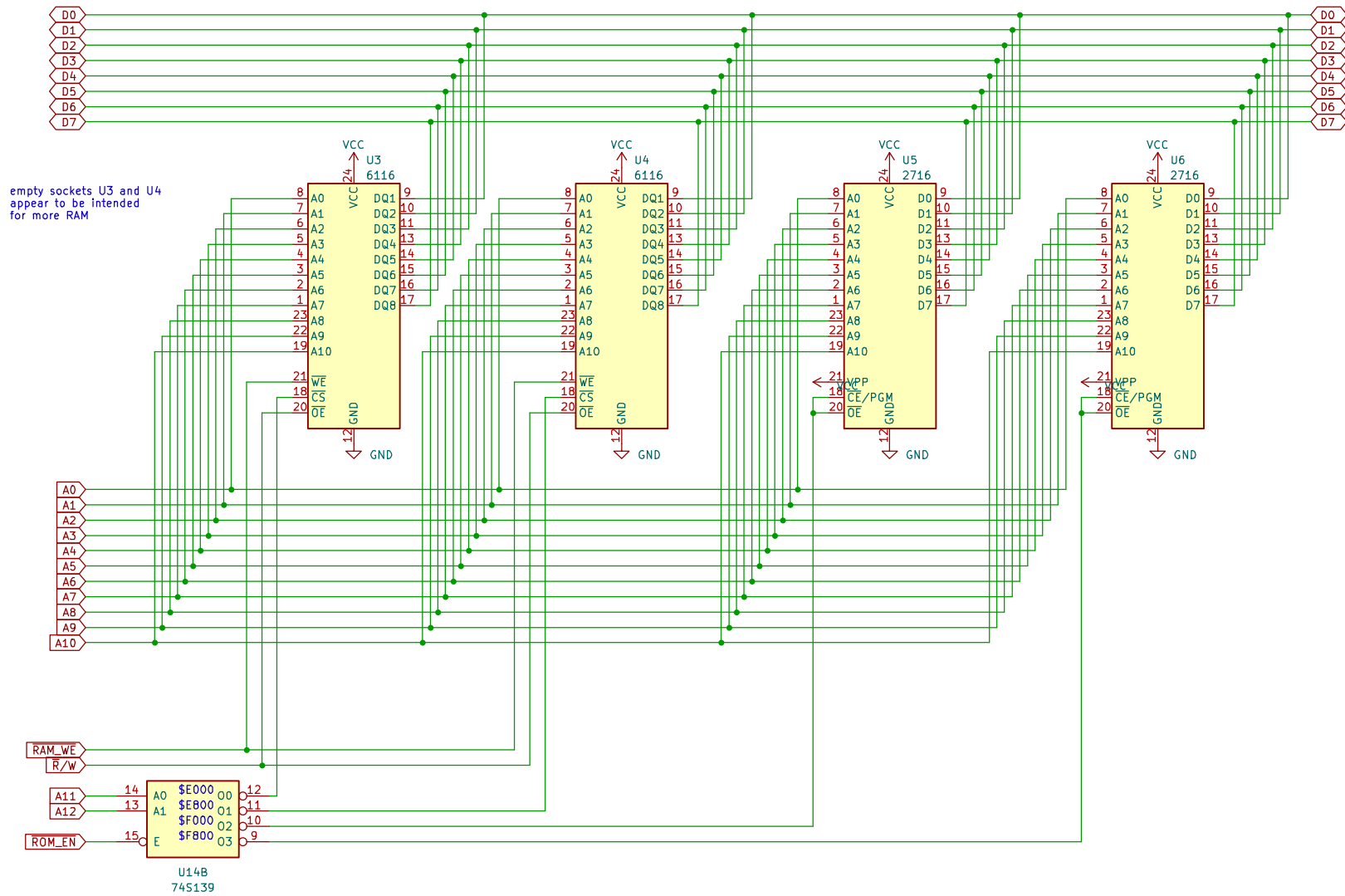
Size: USLetter Date:  
KiCad E.D.A. 8.0.4

Rev:  
Id: 1/17



Rev:  
Id: 2/17





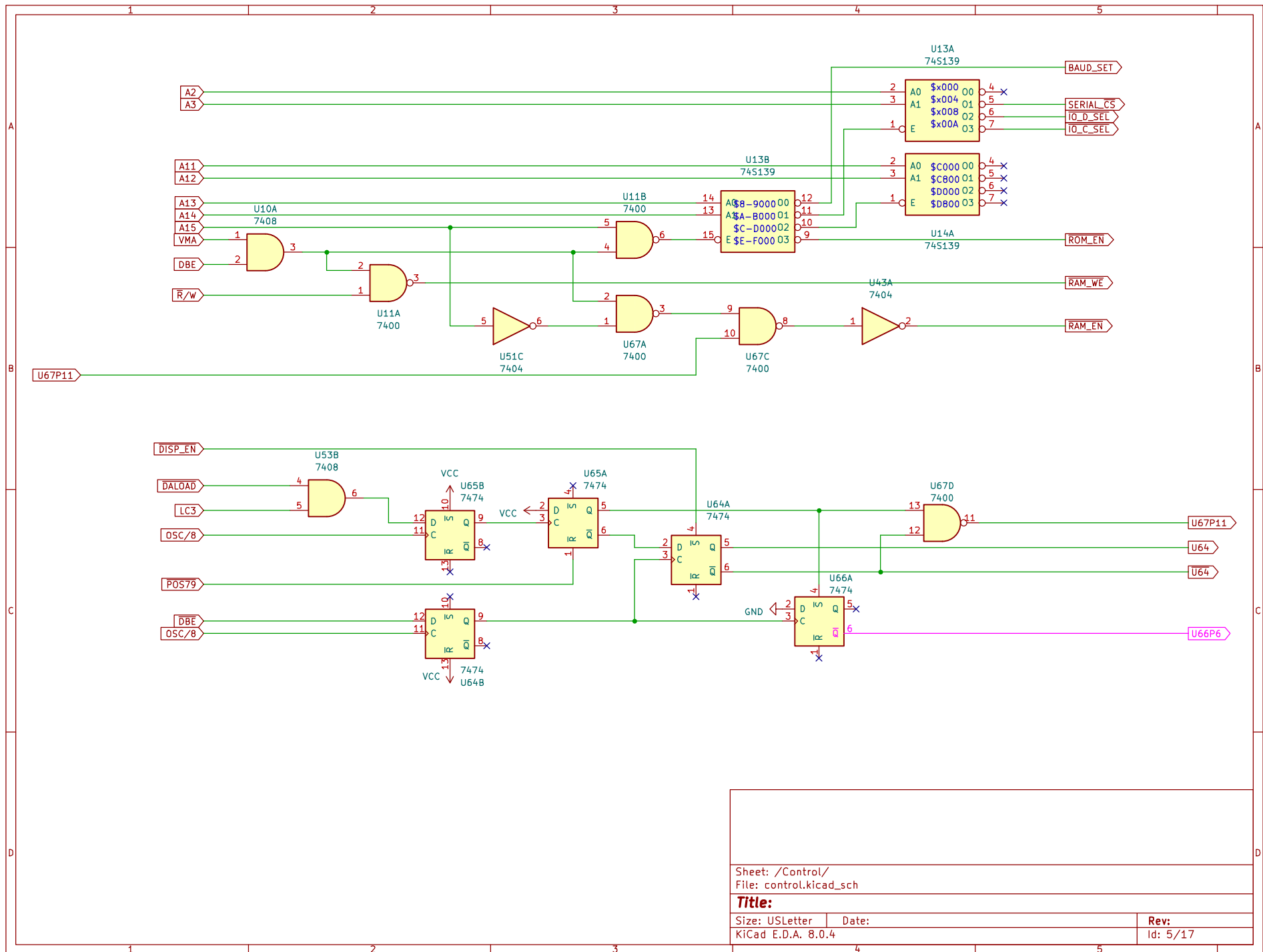
Sheet: ./Firmware/  
File: rom.kicad\_sch

**Title:**

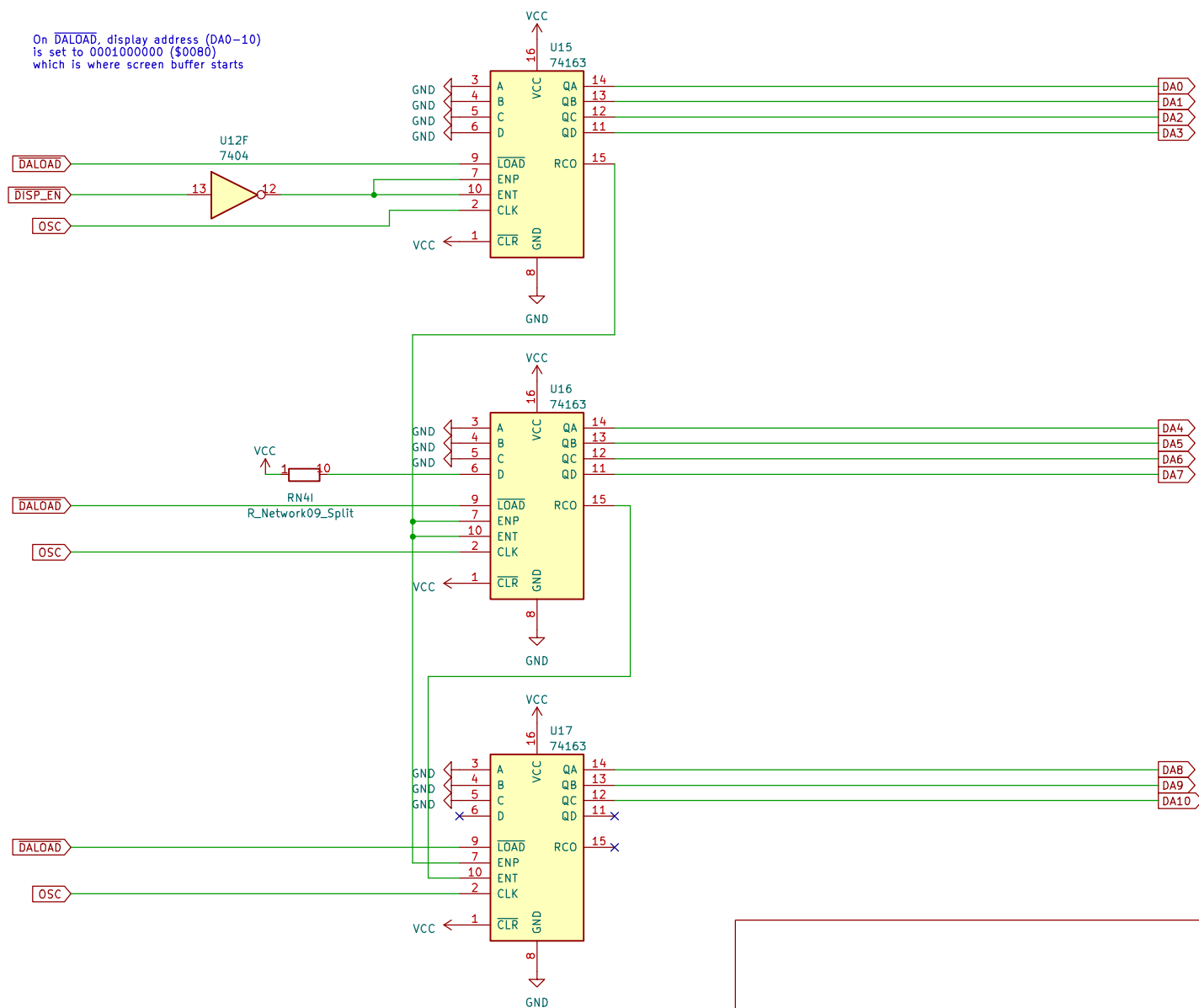
Size: USLetter Date:  
KiCad E.D.A. 8.0.4

**Rev:**

Id: 4/17



On DALOAD, display address (DA0-10)  
is set to 0001000000 (\$0080)  
which is where screen buffer starts



Sheet: /Display Address Counter/  
File: counter.kicad\_sch

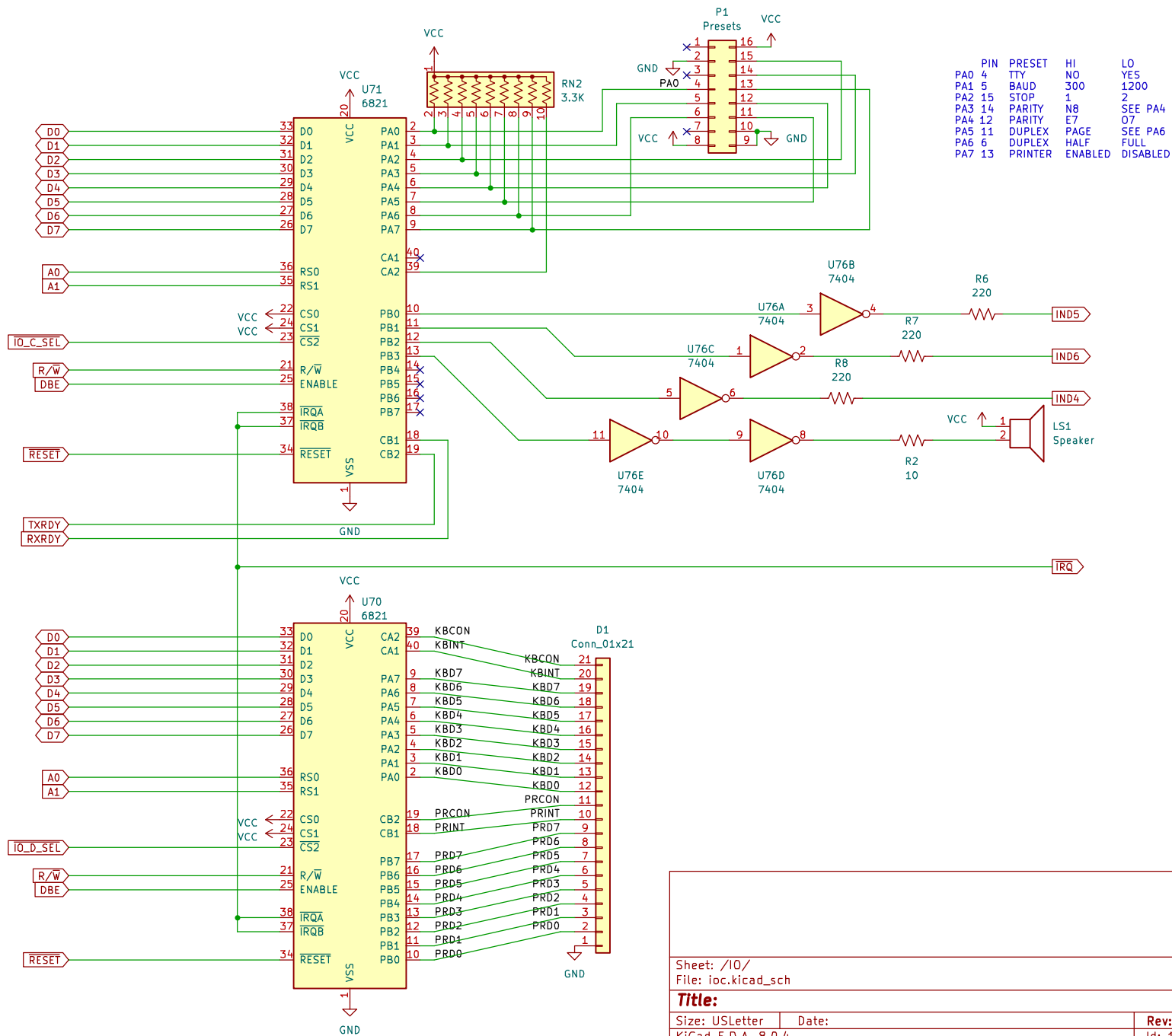
**Title:**

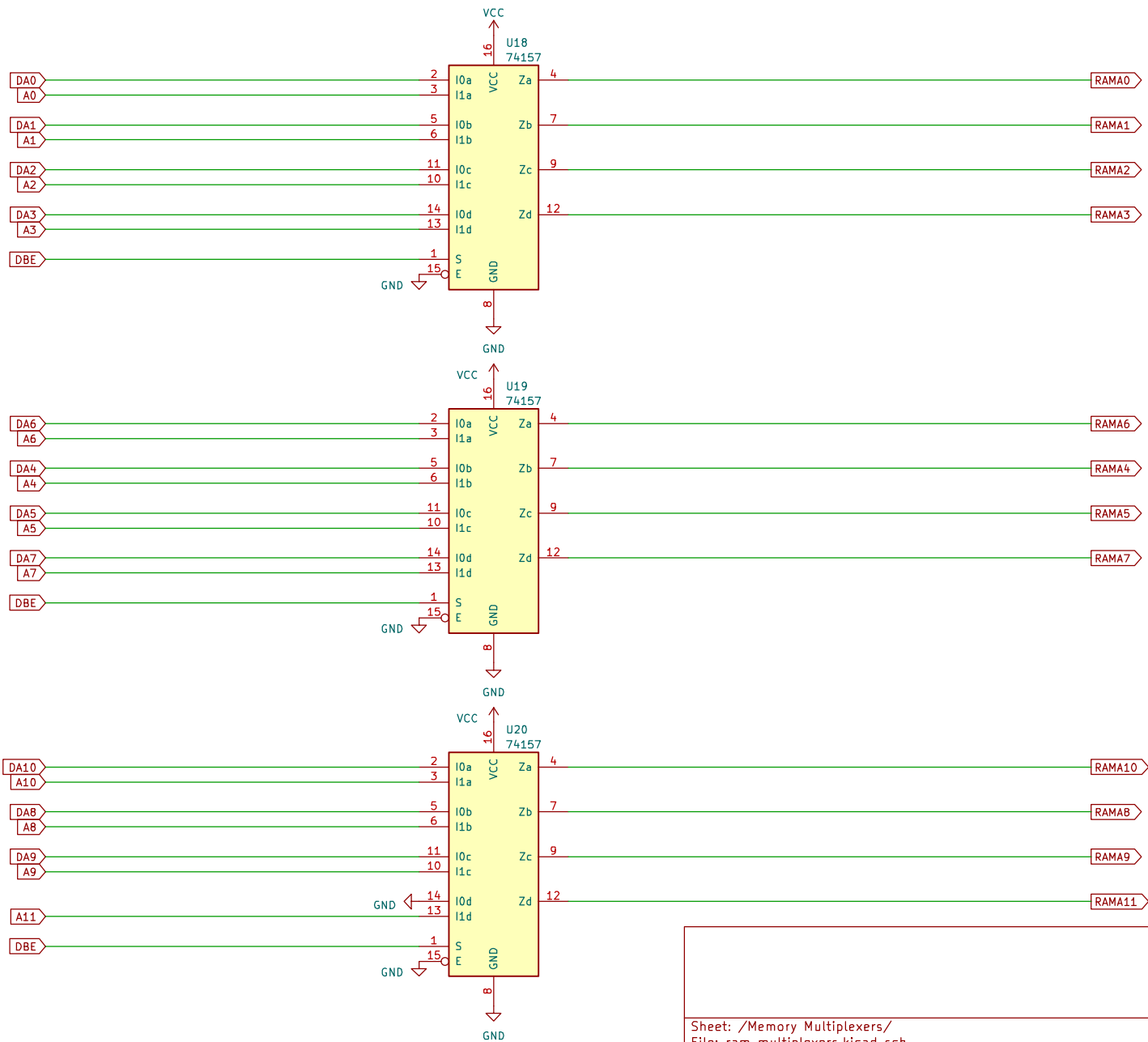
Size: USLetter Date:  
KiCad E.D.A. 8.0.4

Rev:  
Id: 8/17







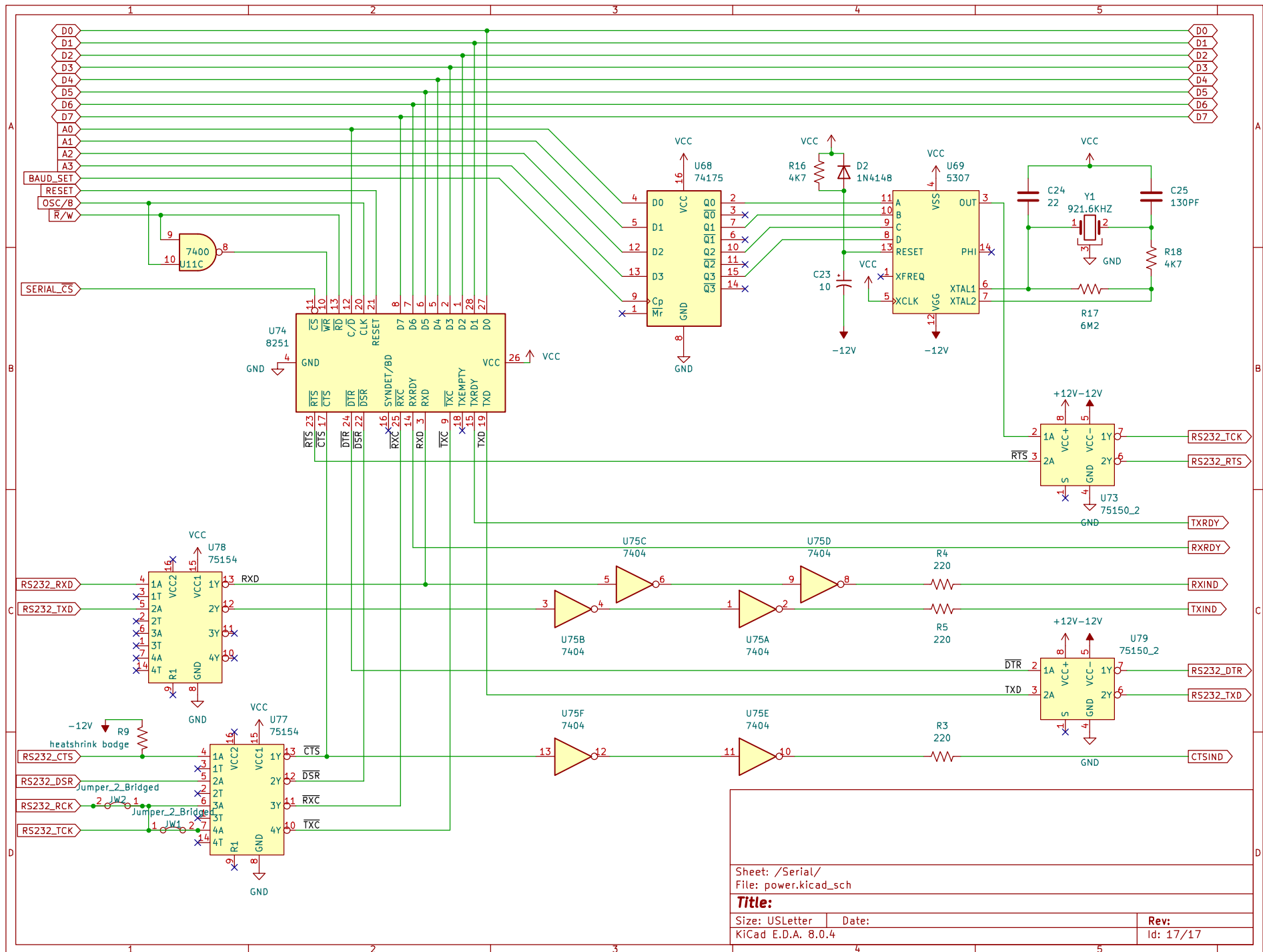


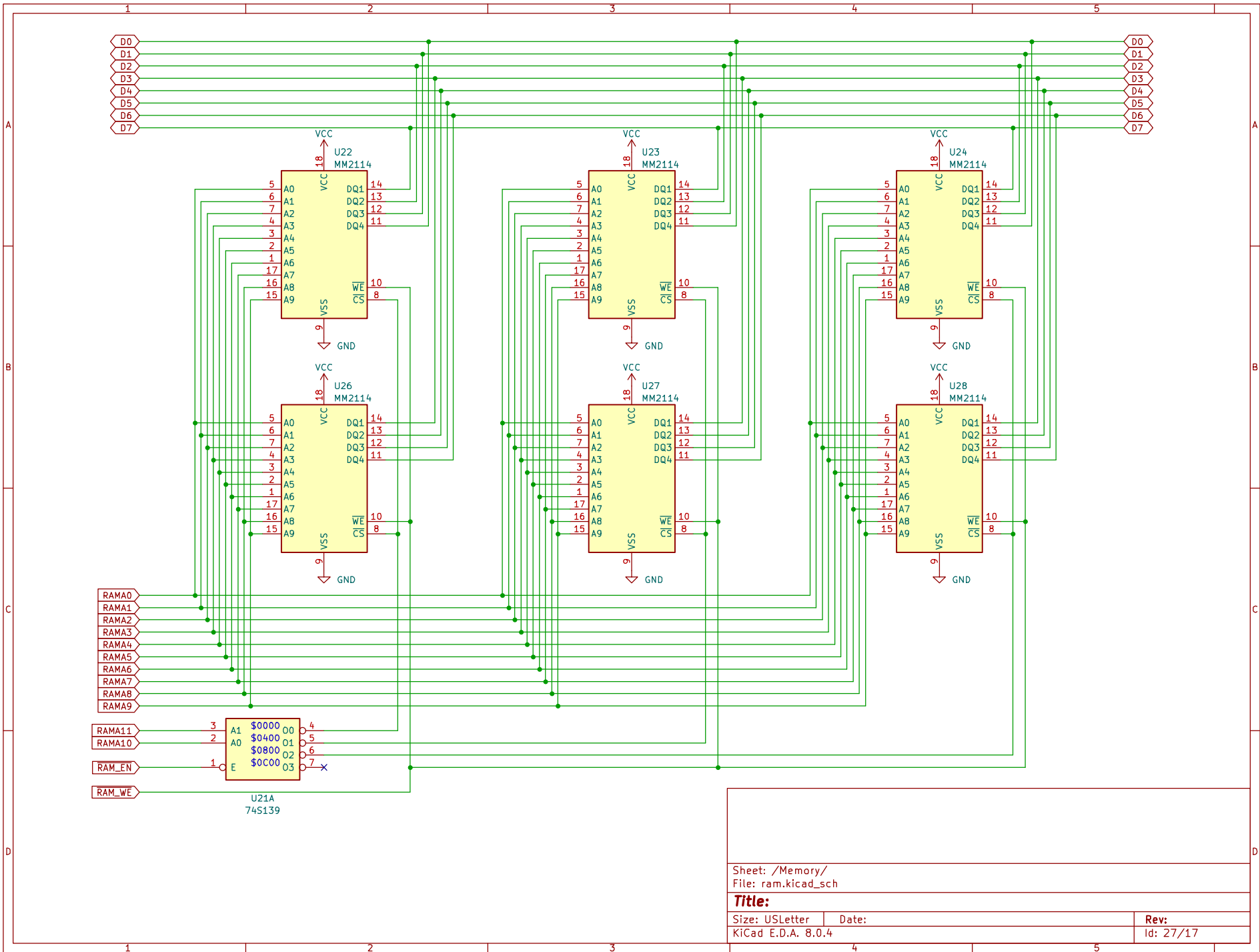
Sheet: /Memory Multiplexers/  
File: ram\_multiplexers.kicad\_sch

**Title:**

Size: USLetter Date:  
KiCad E.D.A. 8.0.4

Rev:  
Id: 14/17



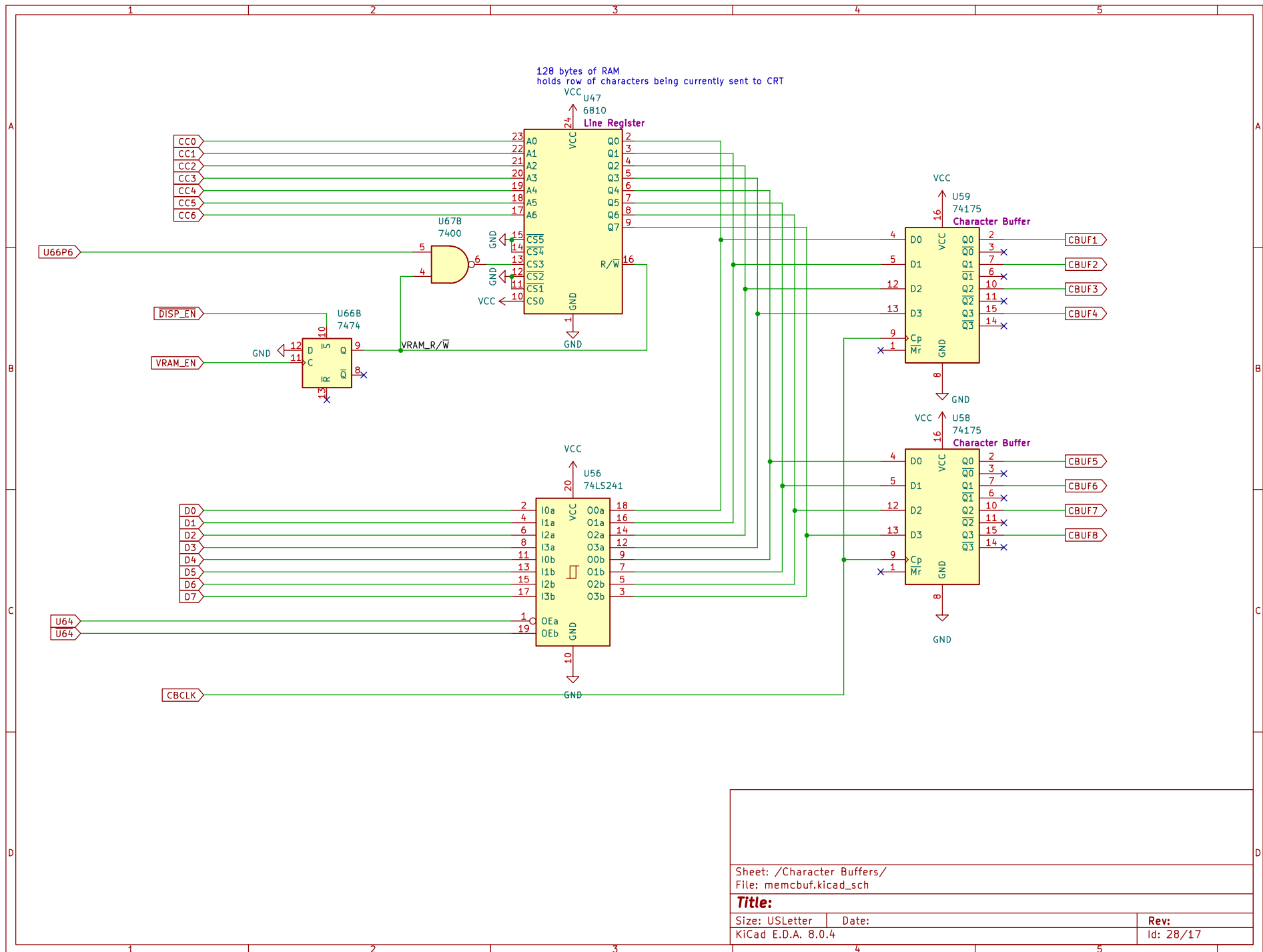


Sheet: /Memory/  
File: ram.kicad\_sch

**Title:**

Size: USLetter Date:  
KiCad E.D.A. 8.0.4

Rev:  
Id: 27/17

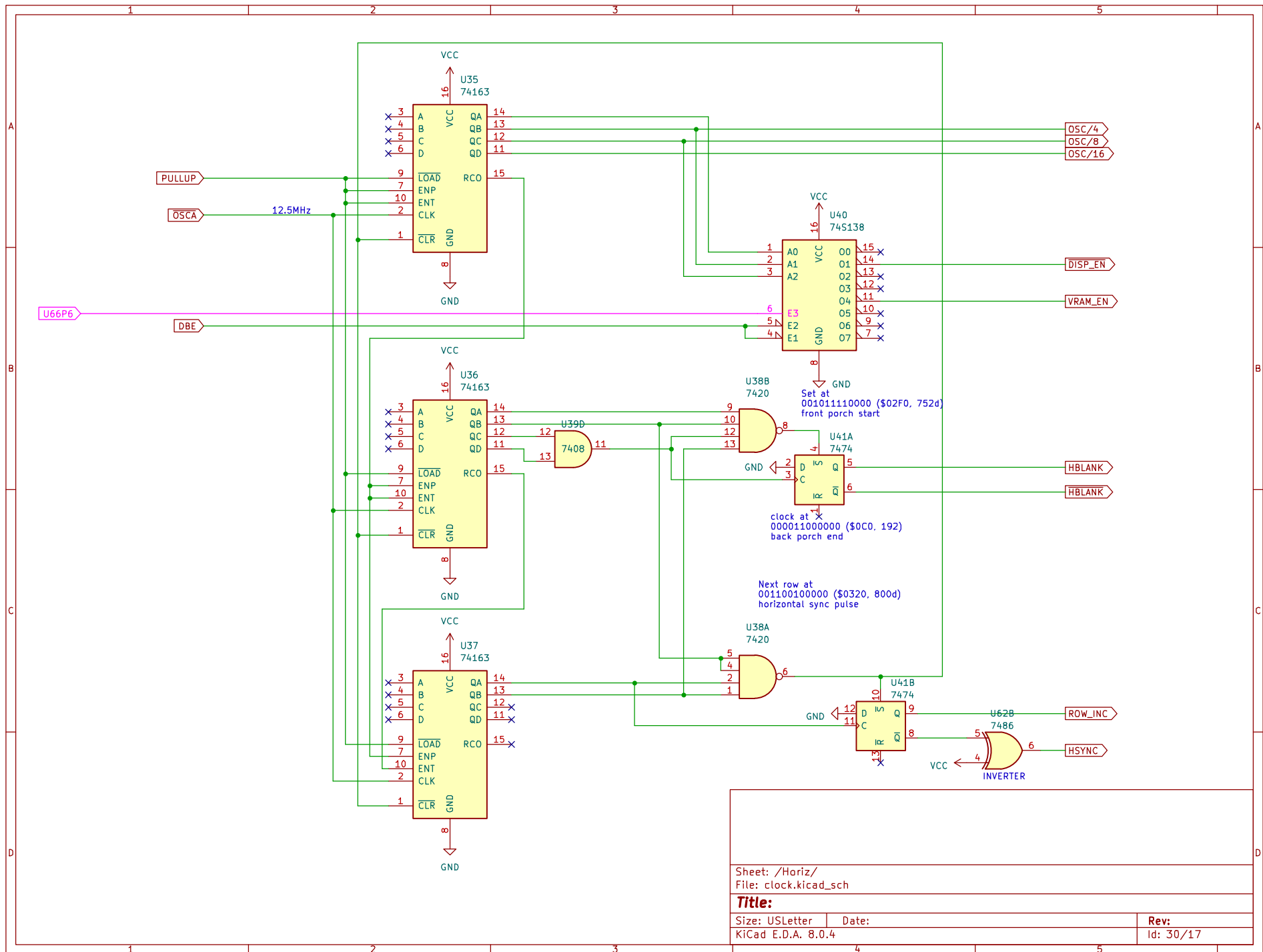


Sheet: /Character Buffers/  
File: memcbuf.kicad\_sch

# **Title:**

Size: USLetter Date:  
KiCad E.D.A. 8.0.4

Rev:  
Id: 28/17

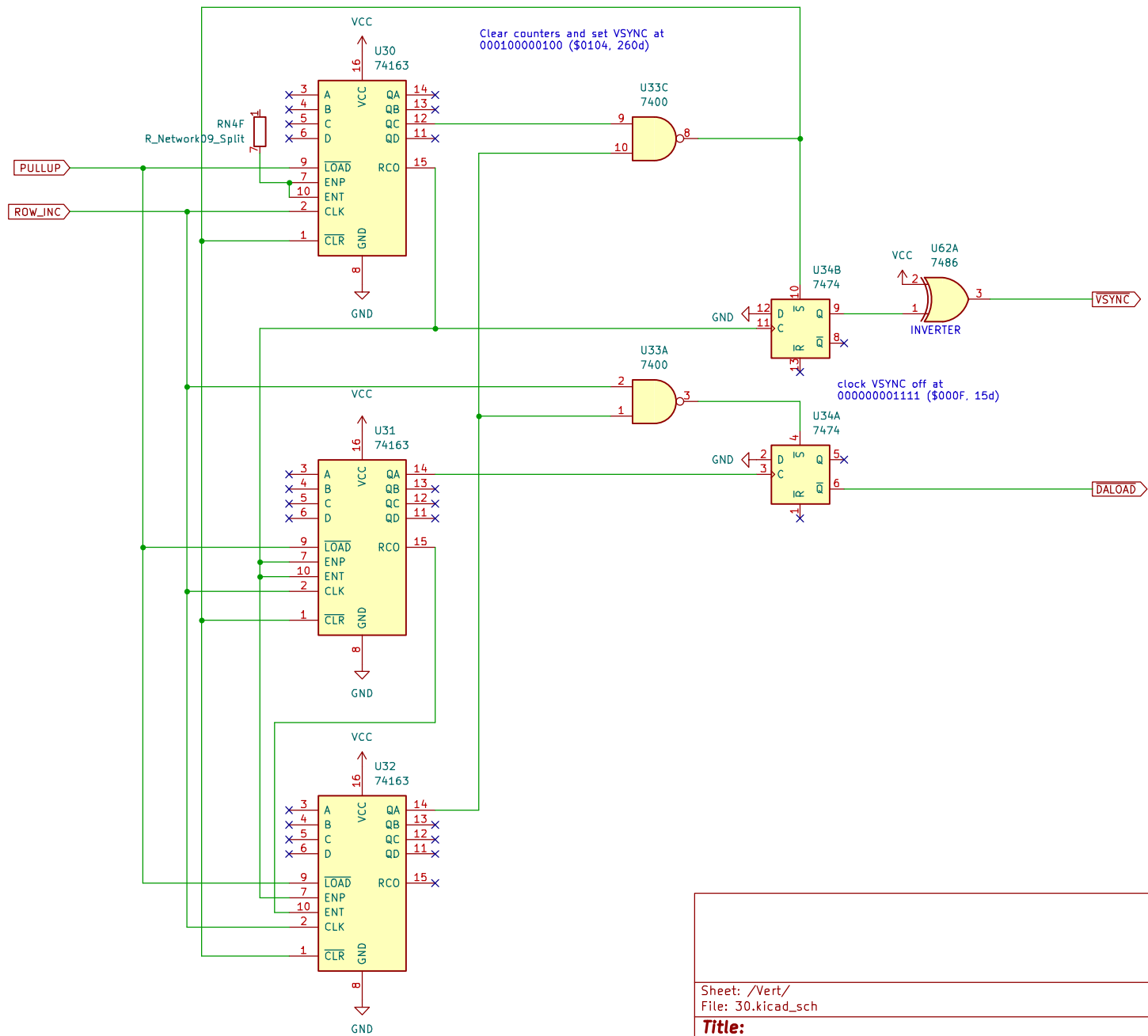


Sheet: /Horiz/  
 File: clock.kicad\_sch

**Title:**

Size: USLetter Date:  
 KiCad E.D.A. 8.0.4

**Rev:**  
 Id: 30/17

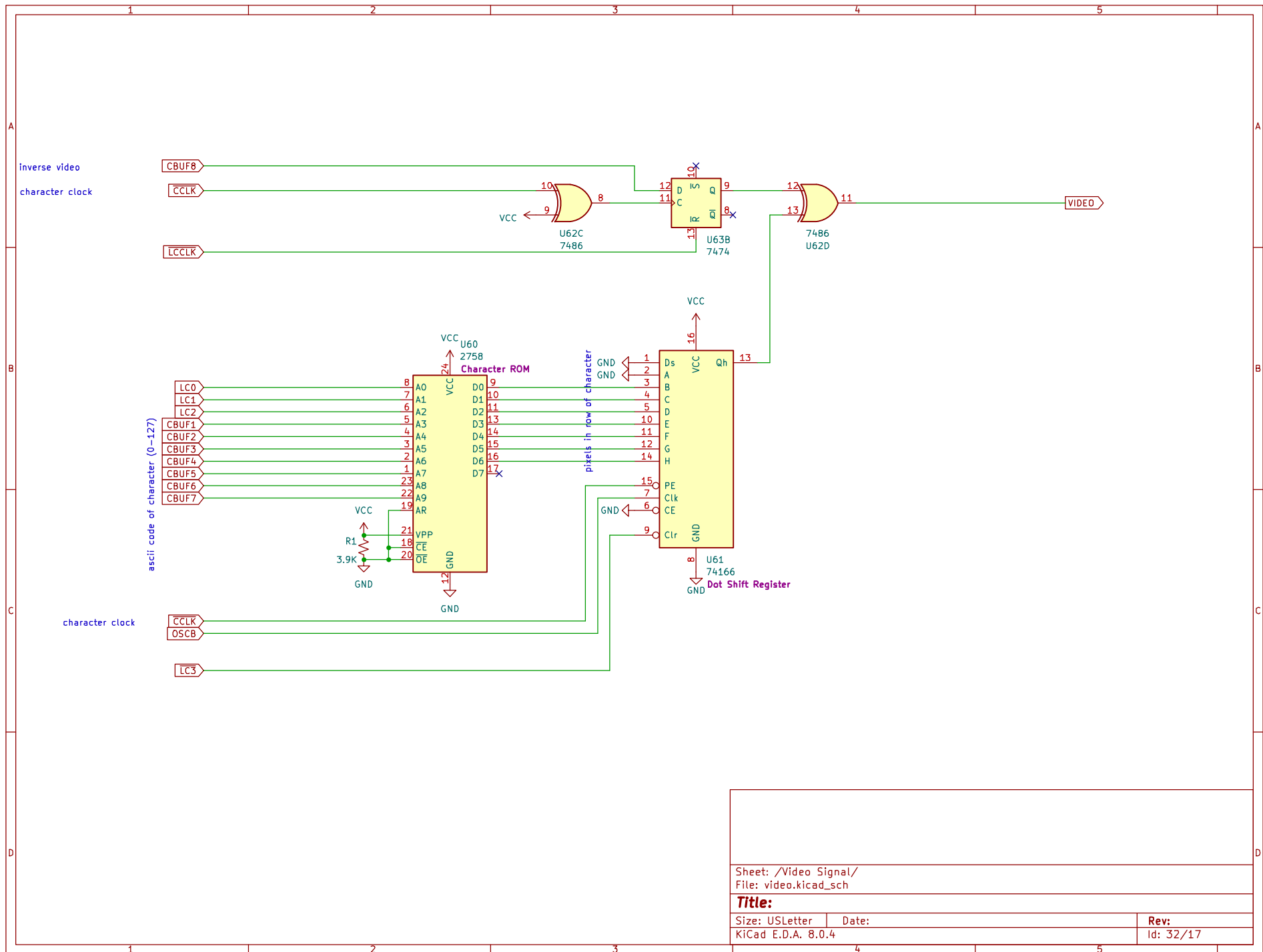


Sheet: /Vert/  
File: 30.kicad\_sch

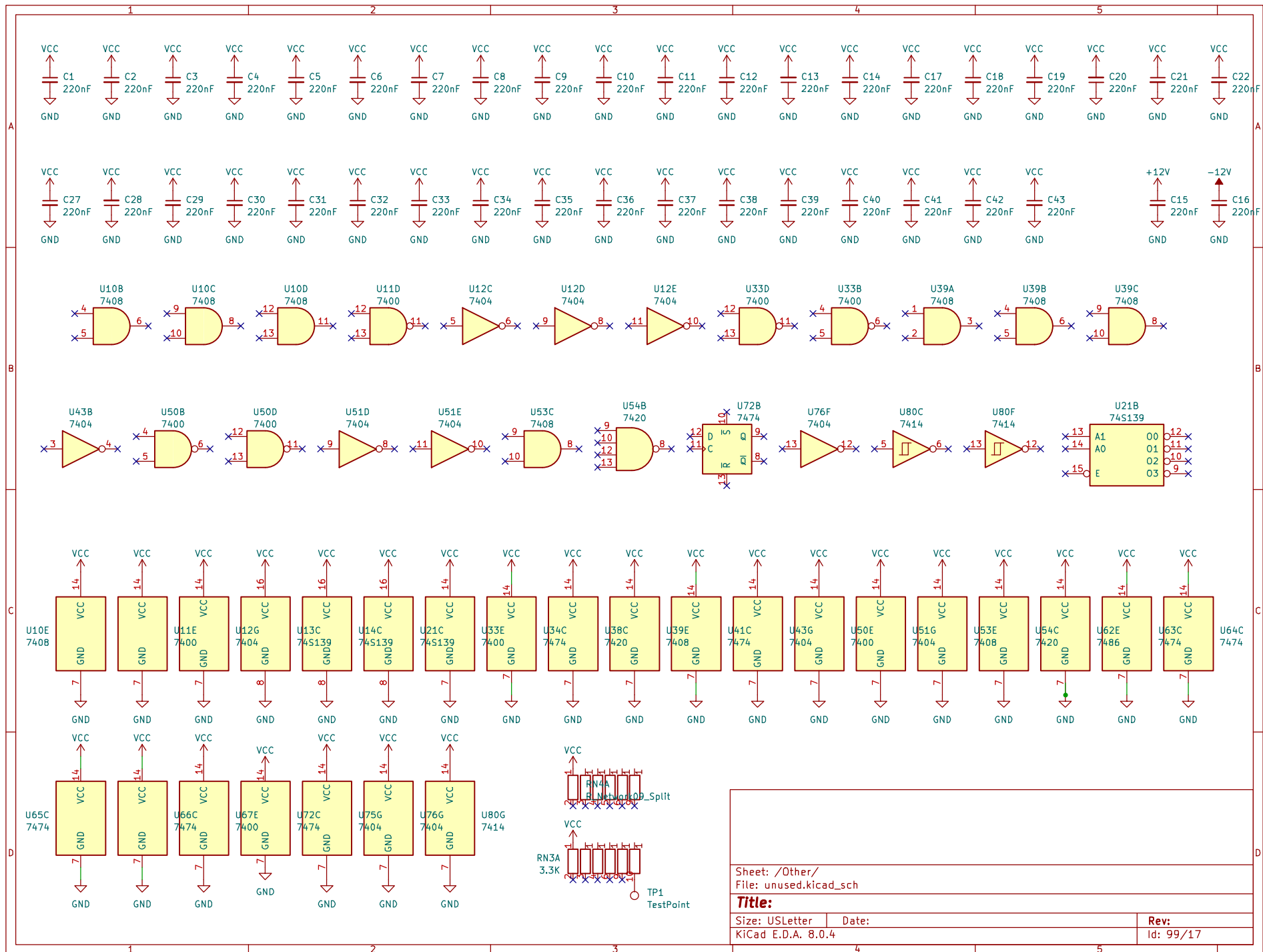
**Title:**

Size: USLetter Date:  
KiCad E.D.A. 8.0.4

**Rev:**  
Id: 31/17







Sheet: /Other/  
File: unused.kicad\_sch

**Title:**

Size: USLetter Date:  
KiCad E.D.A. 8.0.4

**Rev:**  
Id: 99/17