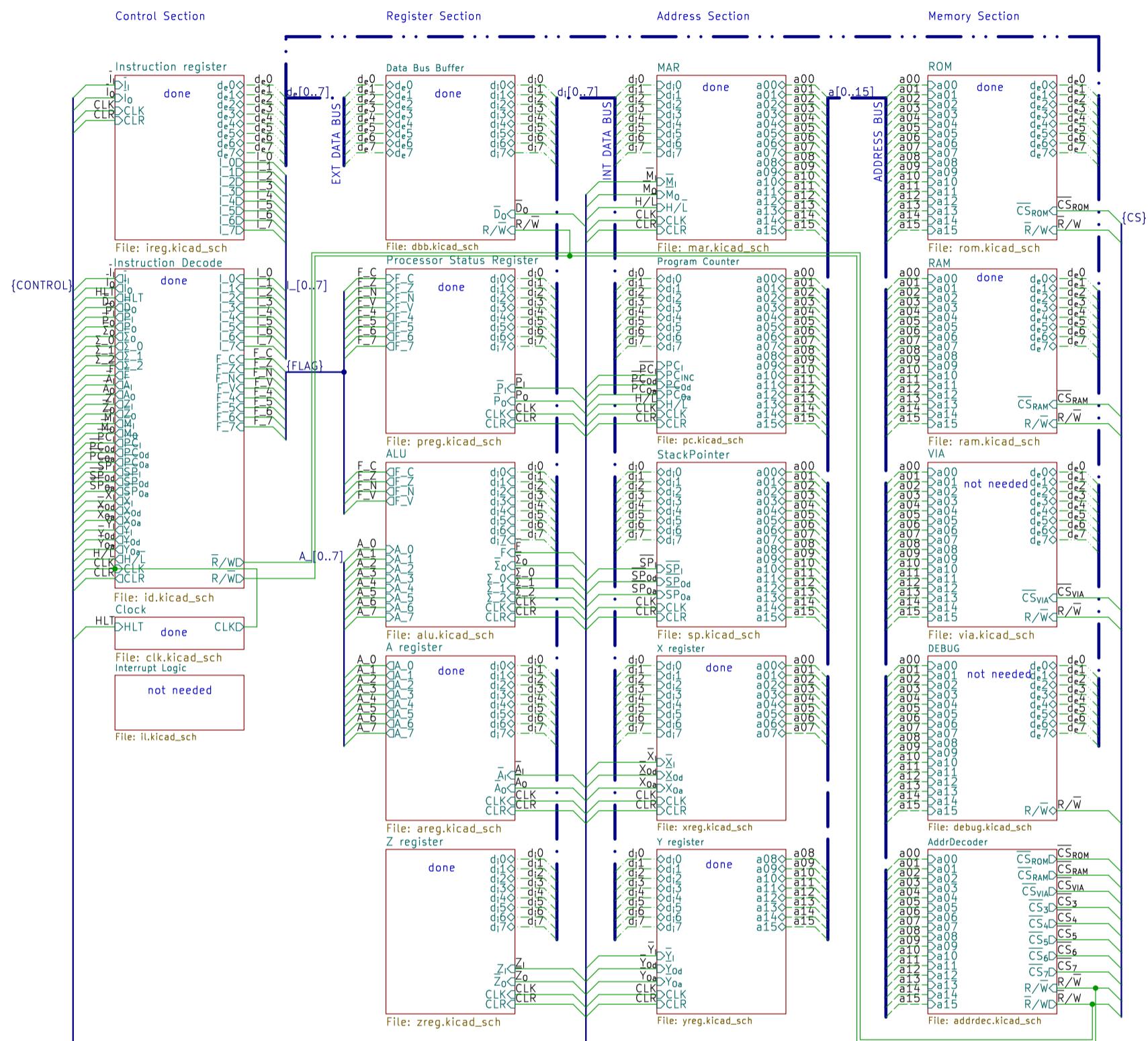


TODO:
 PC draw
 ALU rethink
 CL rethink
 interrupts
 instruction layout
 timing control?

Color Conventions:
 red = data
 orange = internal data tx
 yellow = control
 green = internal data rx
 blue = external data bus
 purple = address bus
 white = clk



Sheet: /
 File: 8bit-computer.kicad_sch

Title:

Size: A3 Date:
 KiCad E.D.A. kicad 7.0.1

Rev: Id: 1/20

A

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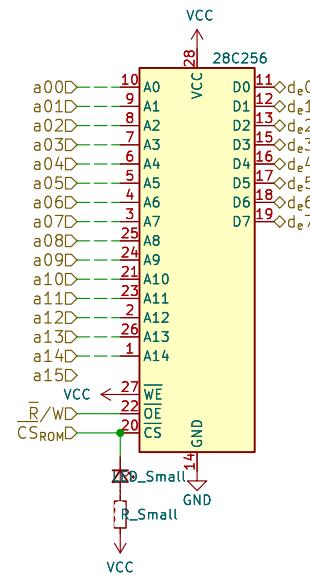
D

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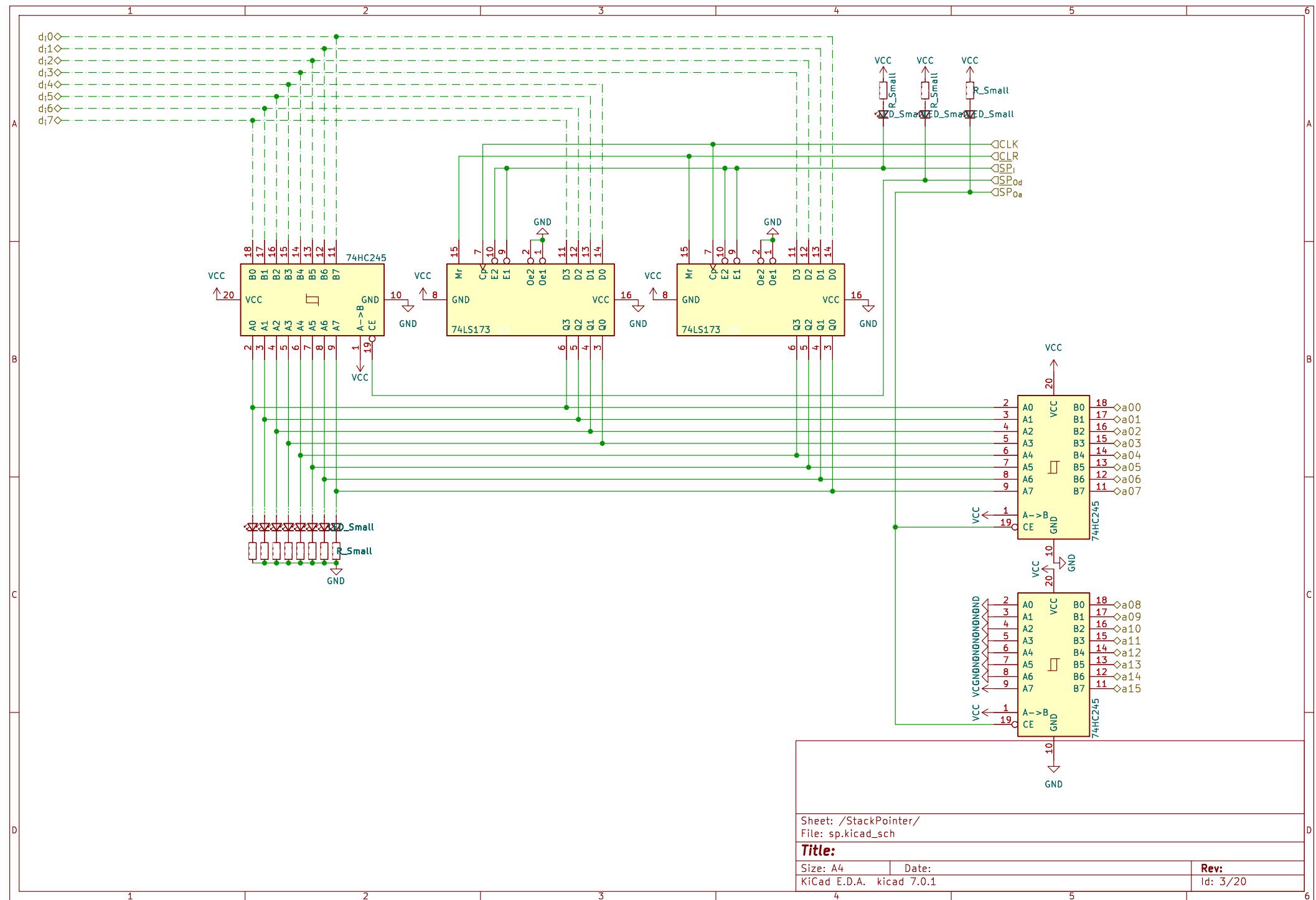


Sheet: /ROM/
File: rom.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 2/20



A

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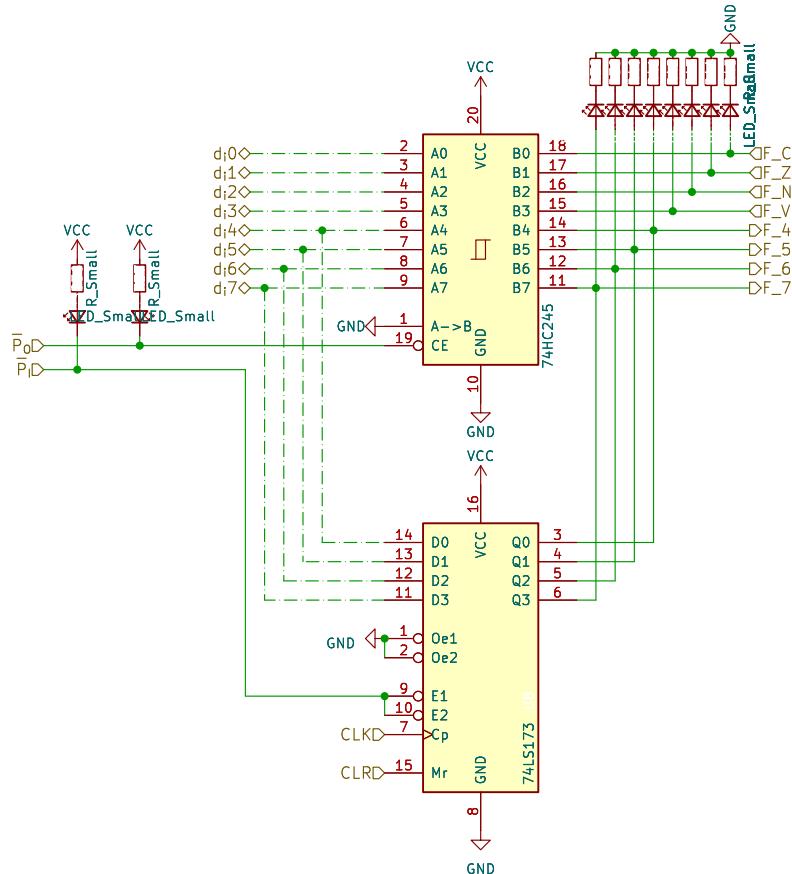
B

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Sheet: /Processor Status Register/
File: preg.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 4/20

A

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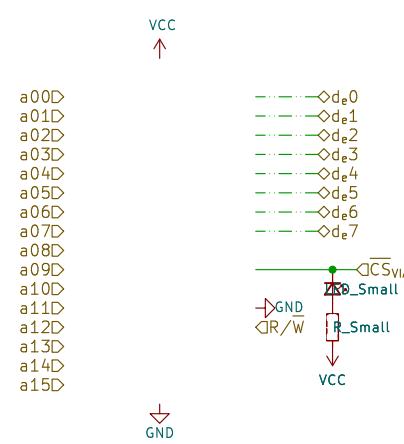
B

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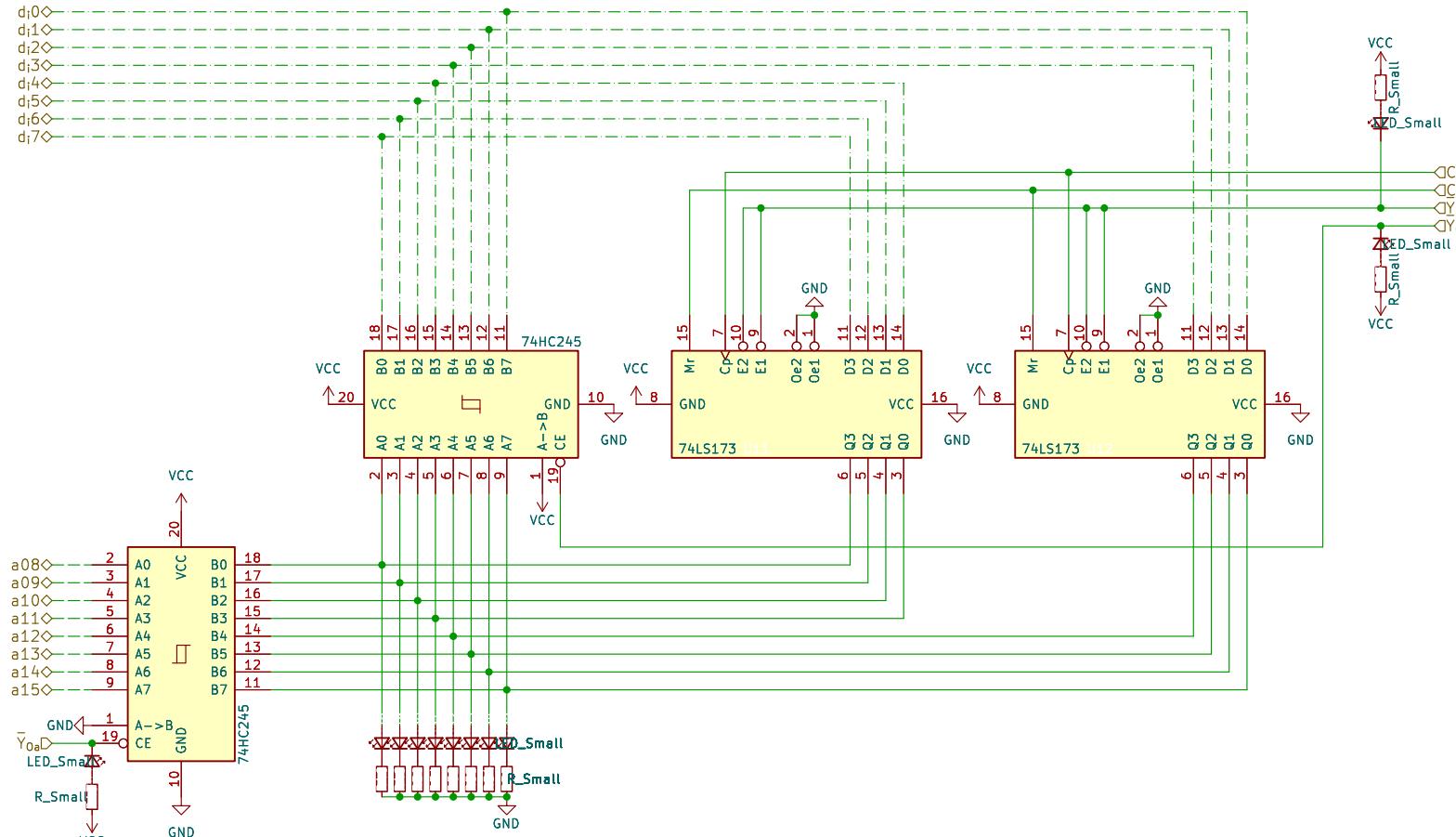
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File: via.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 5/20

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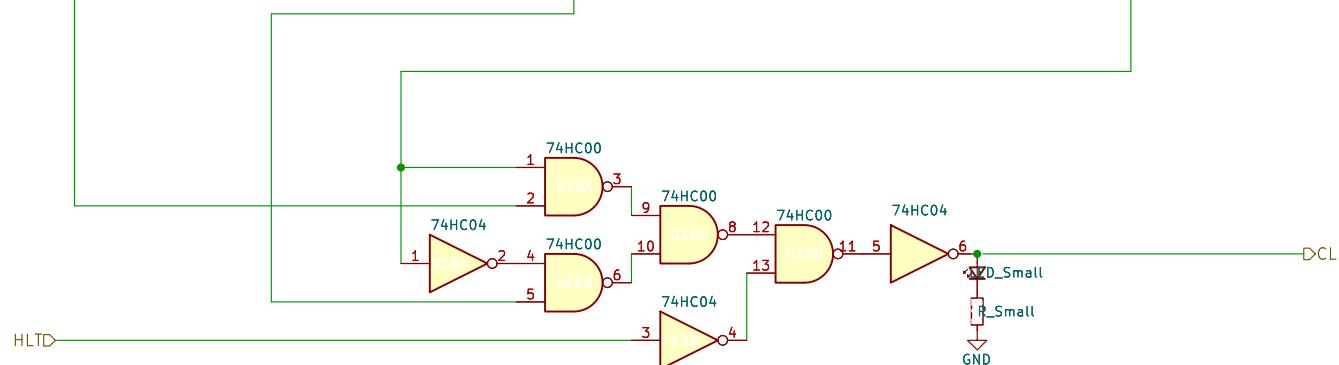
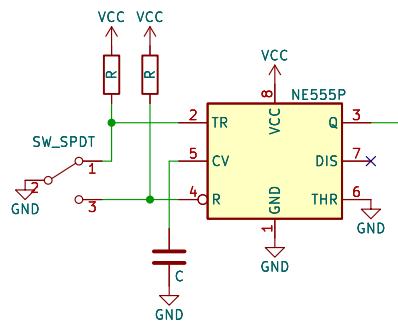
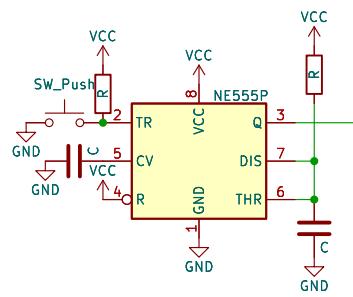
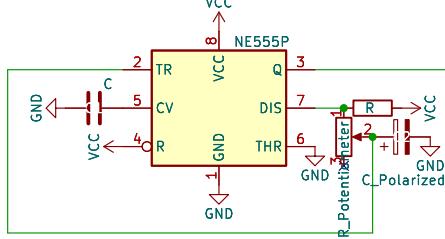


Sheet: /Y register/
File: yreg.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 6/20

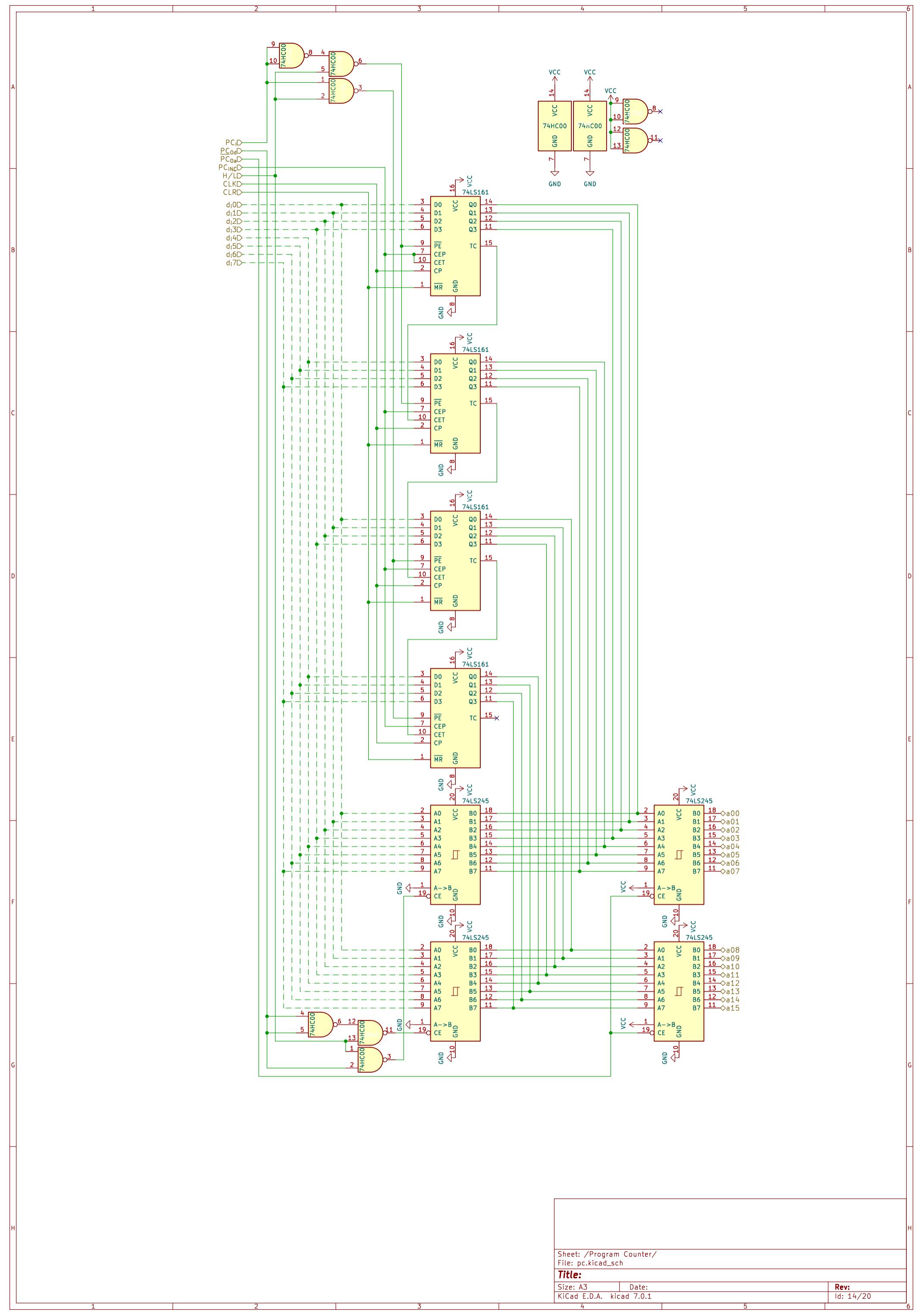


Sheet: /Clock/
File: clk.kicad_sch

Title:

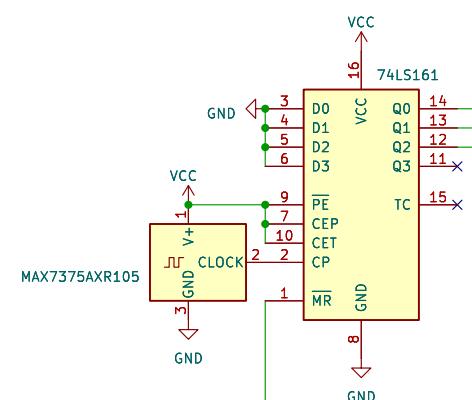
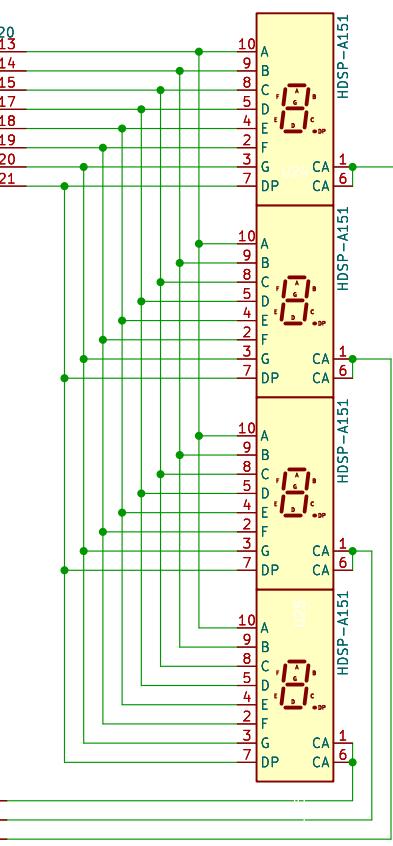
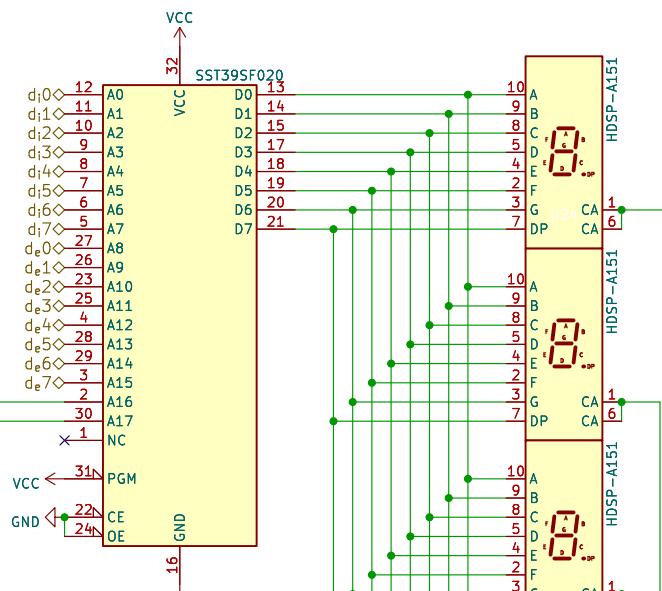
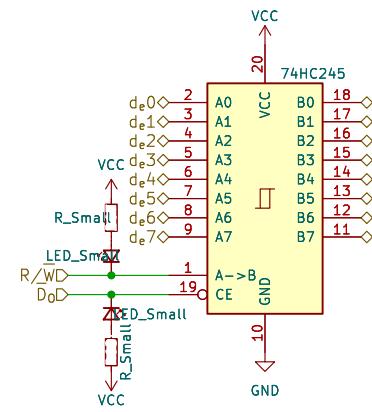
Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 13/20



1 2 3 4 5 6

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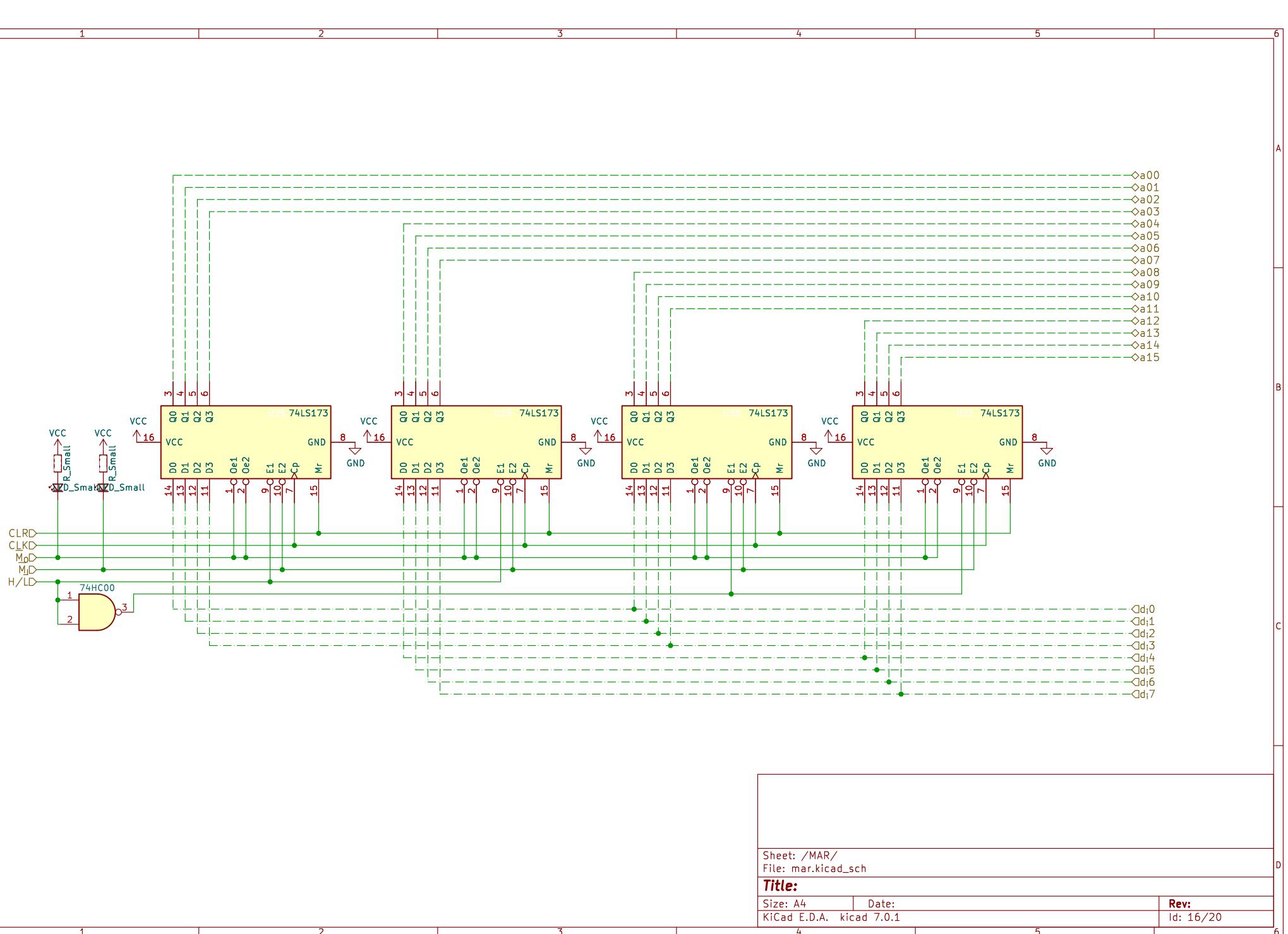
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File: dbb.kicad_sch

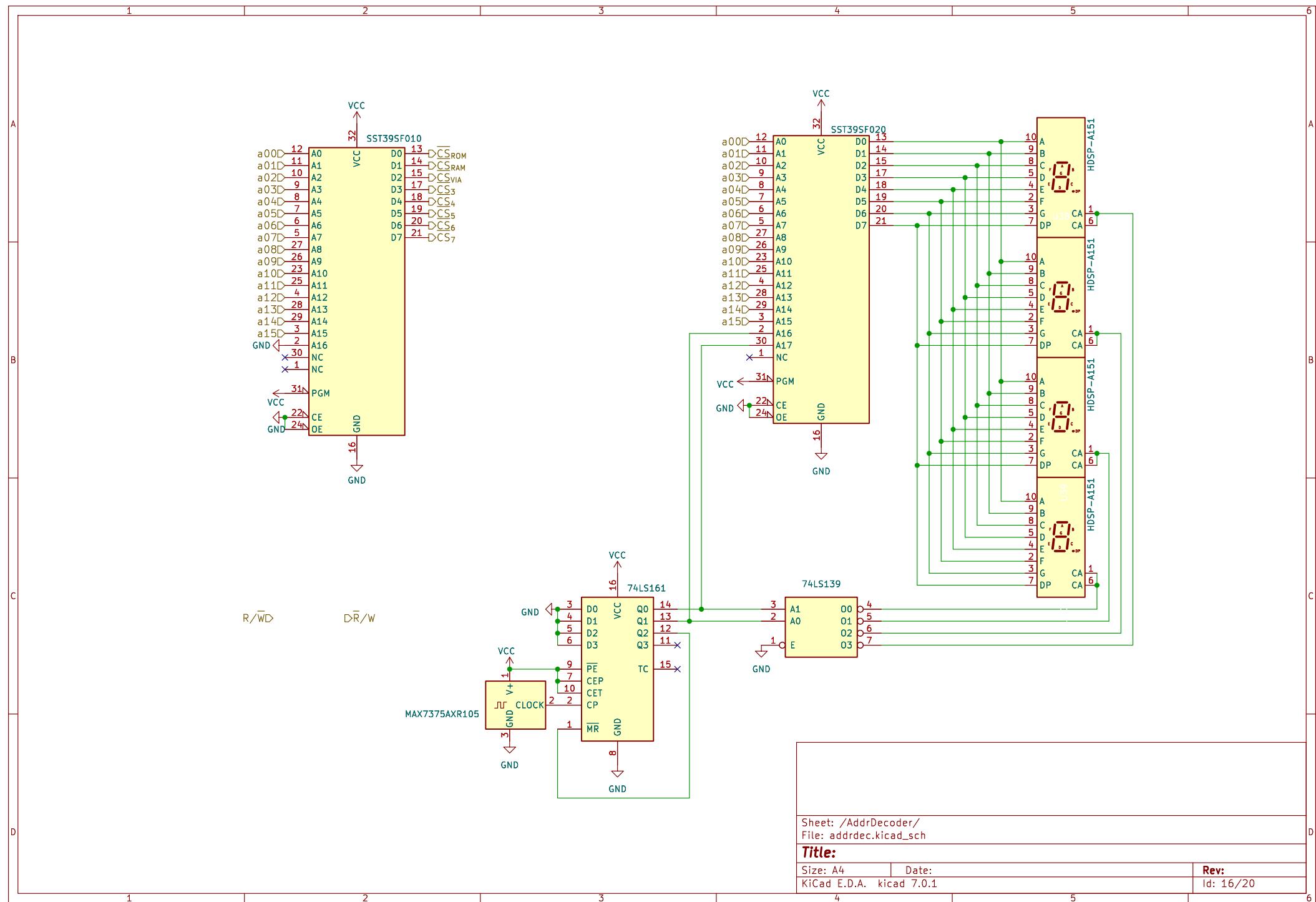
Title:

Size: A4 Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 15/20

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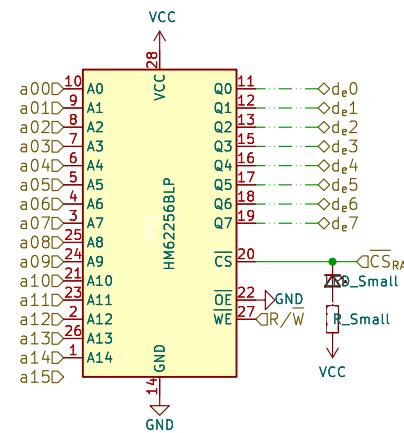
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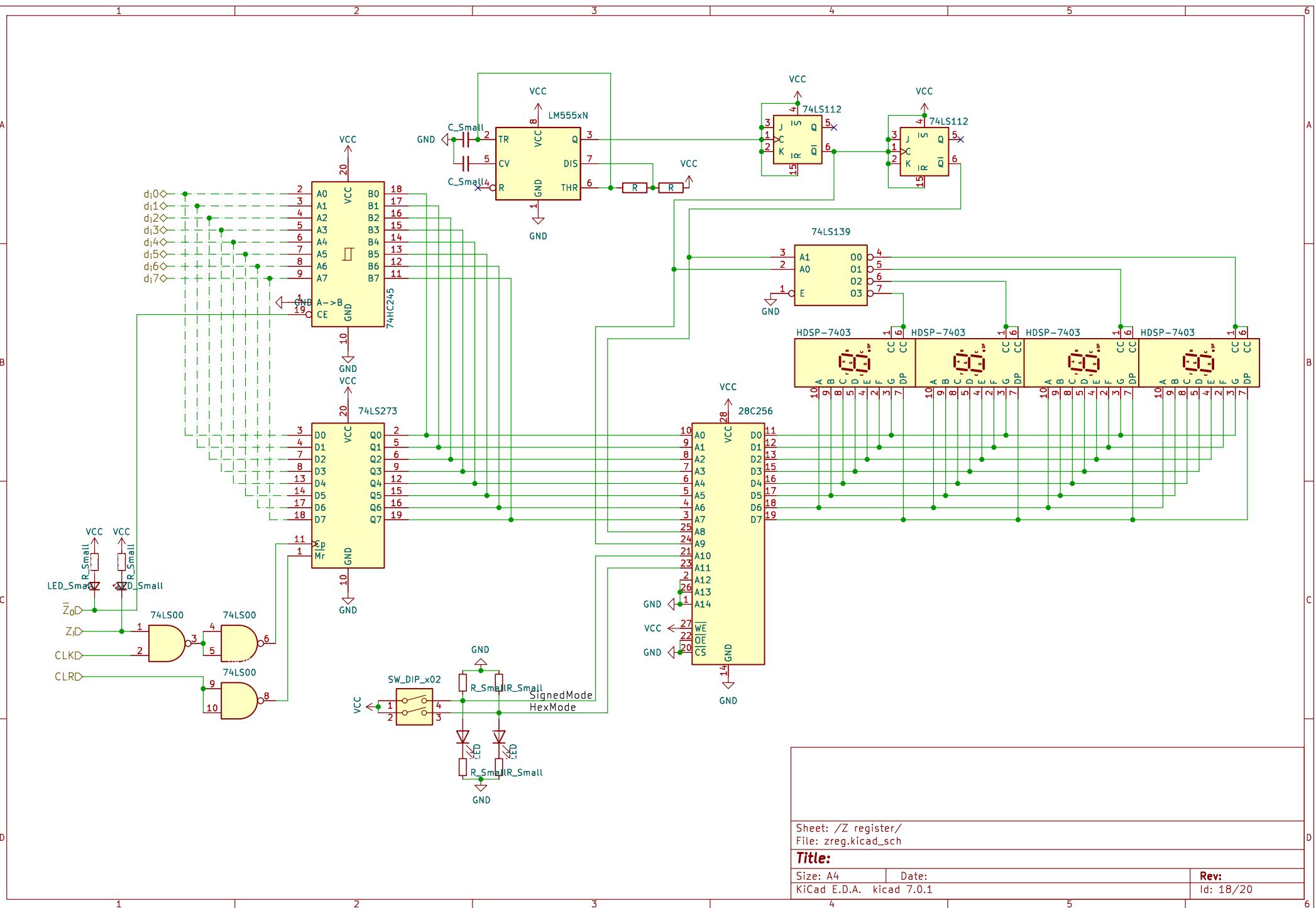


Sheet: /RAM/
File: ram.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 17/20



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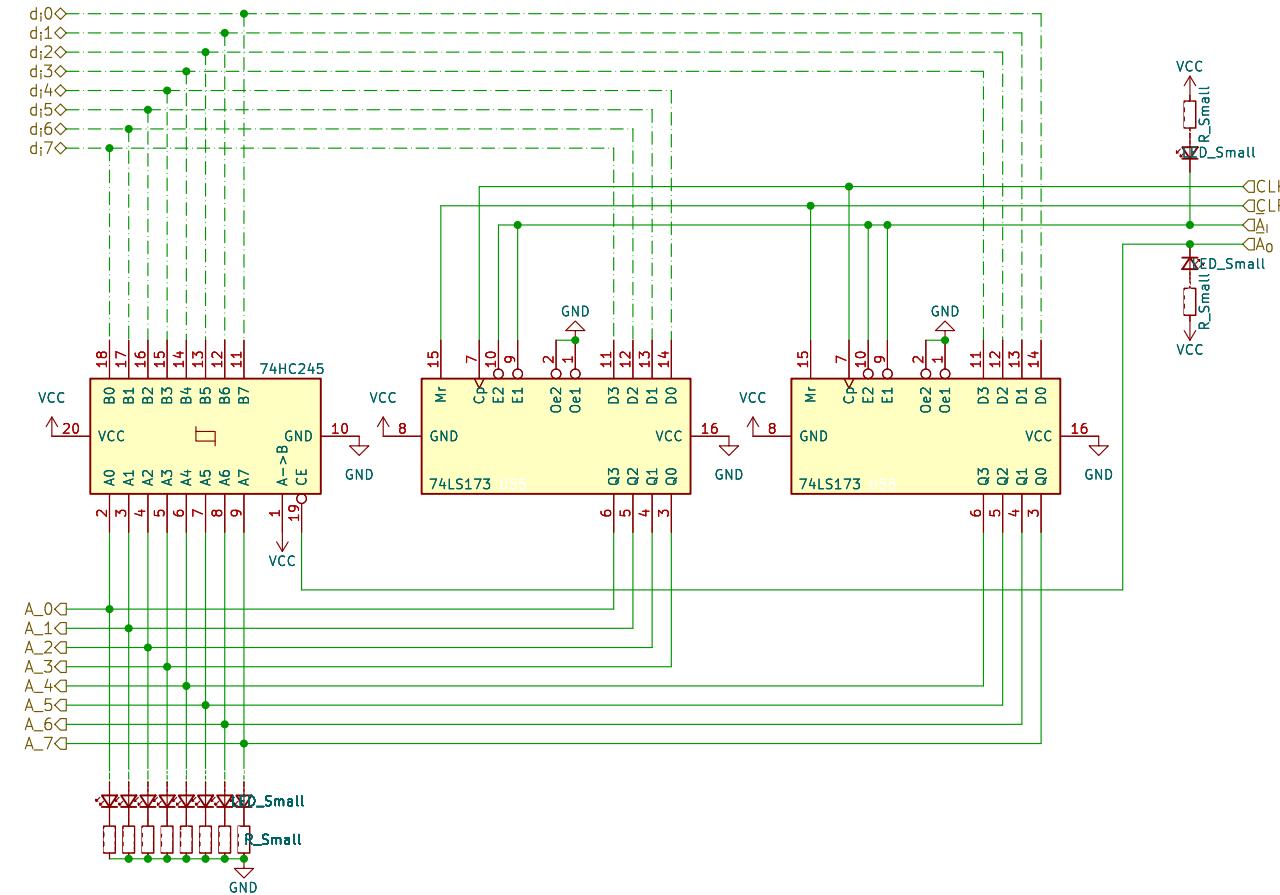
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Sheet: /A register/
File: areg.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 19/20

1 2 3 4 5 6

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Sheet: /Interrupt Logic/
File: il.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 20/20

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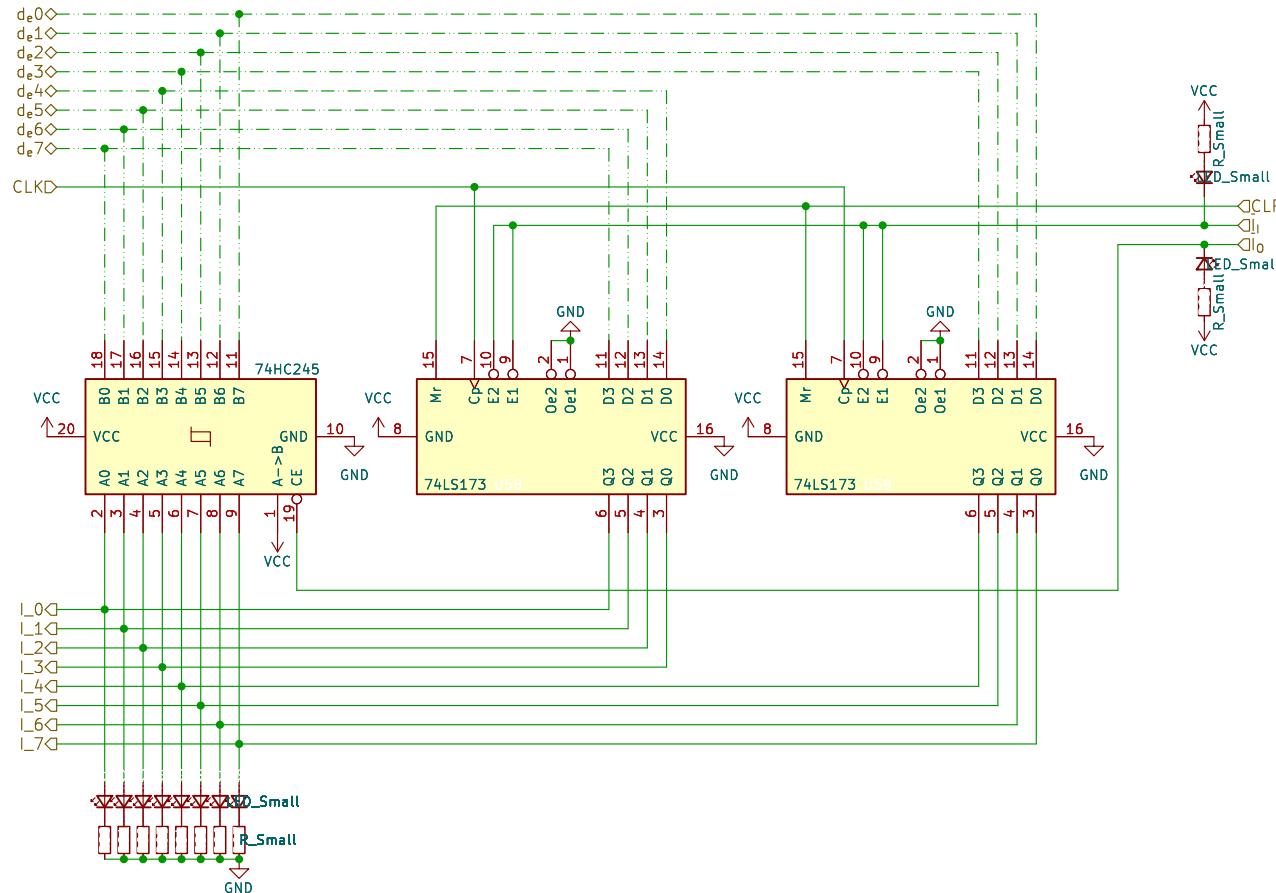
D

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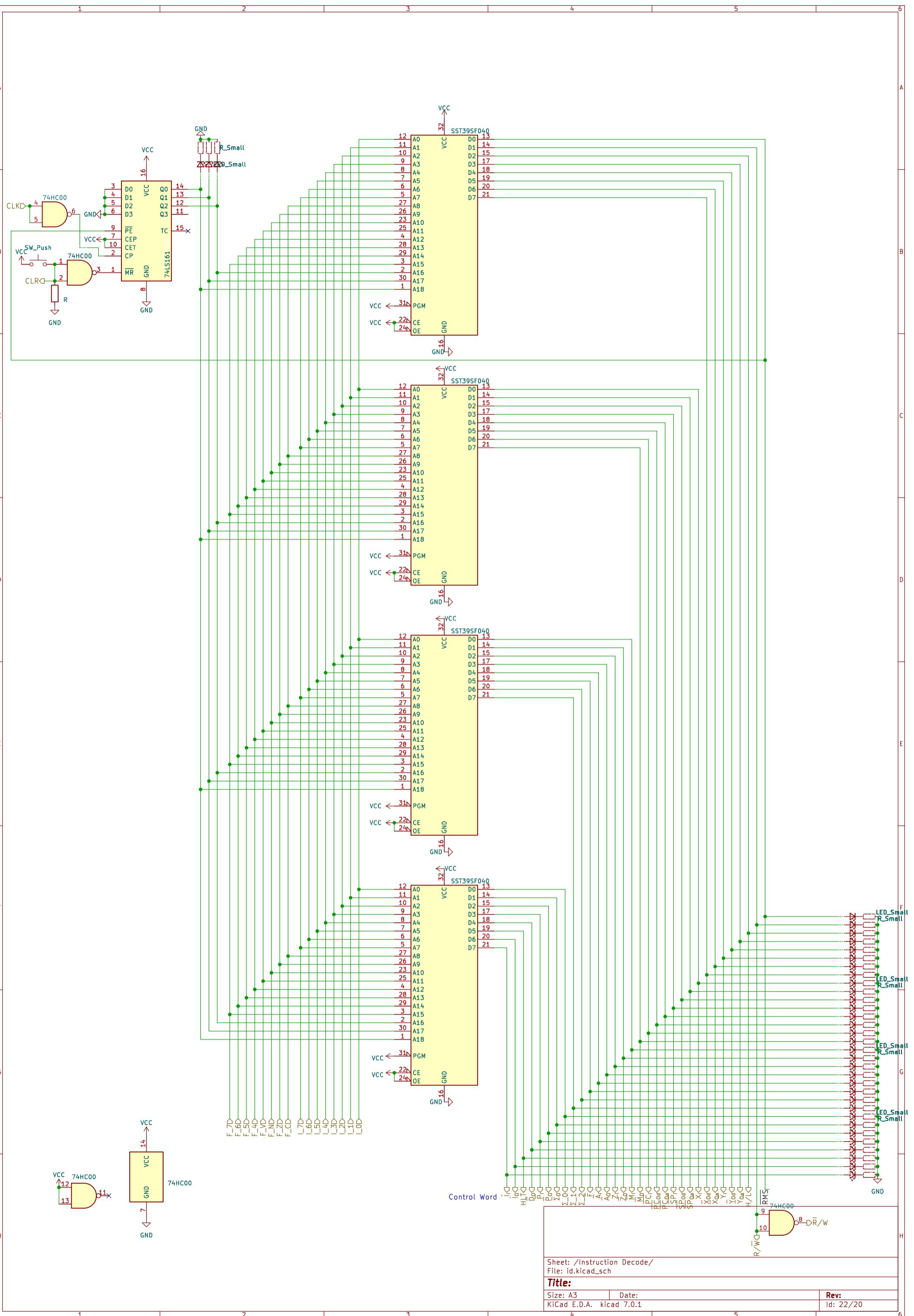


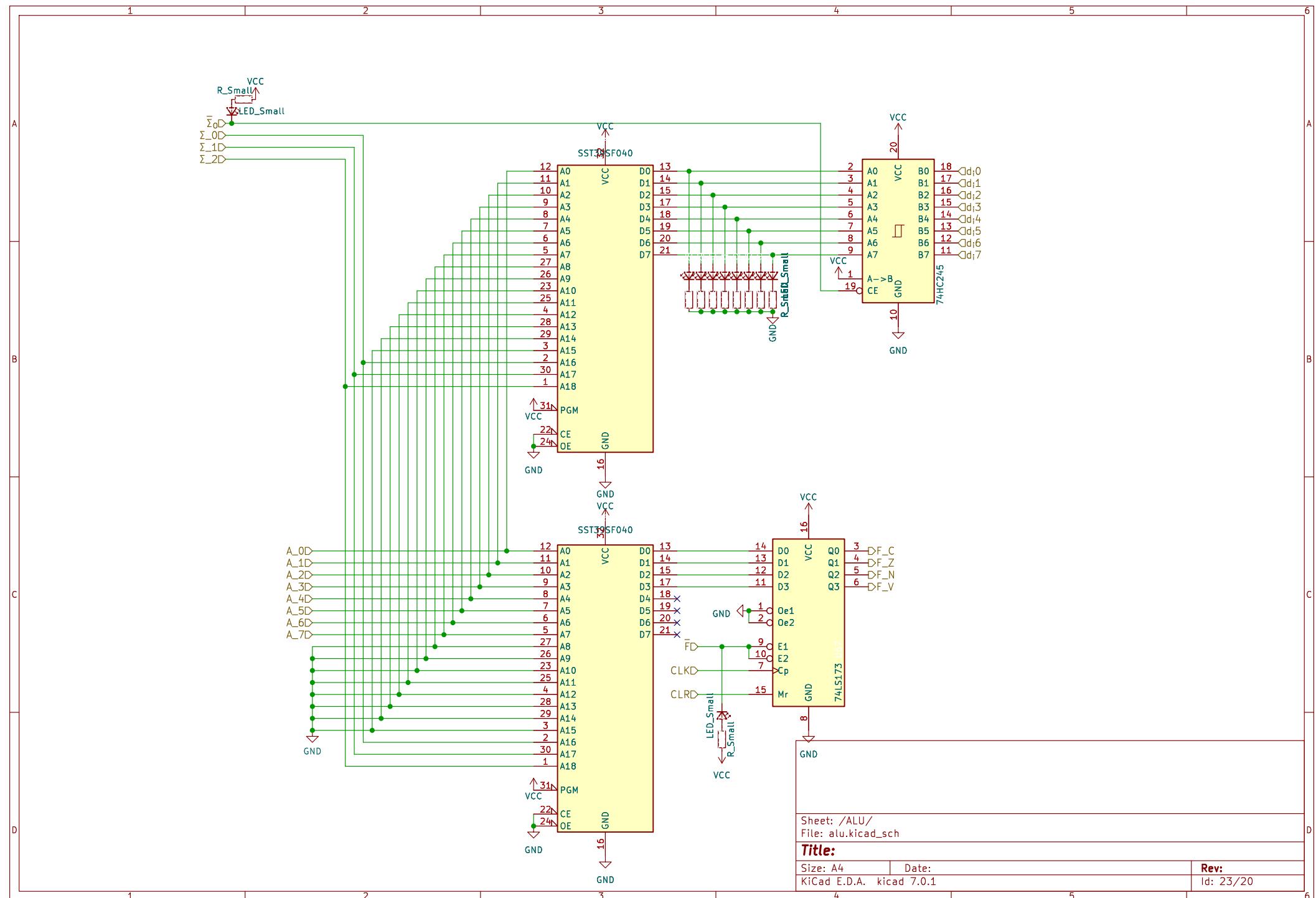
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File: ireg.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

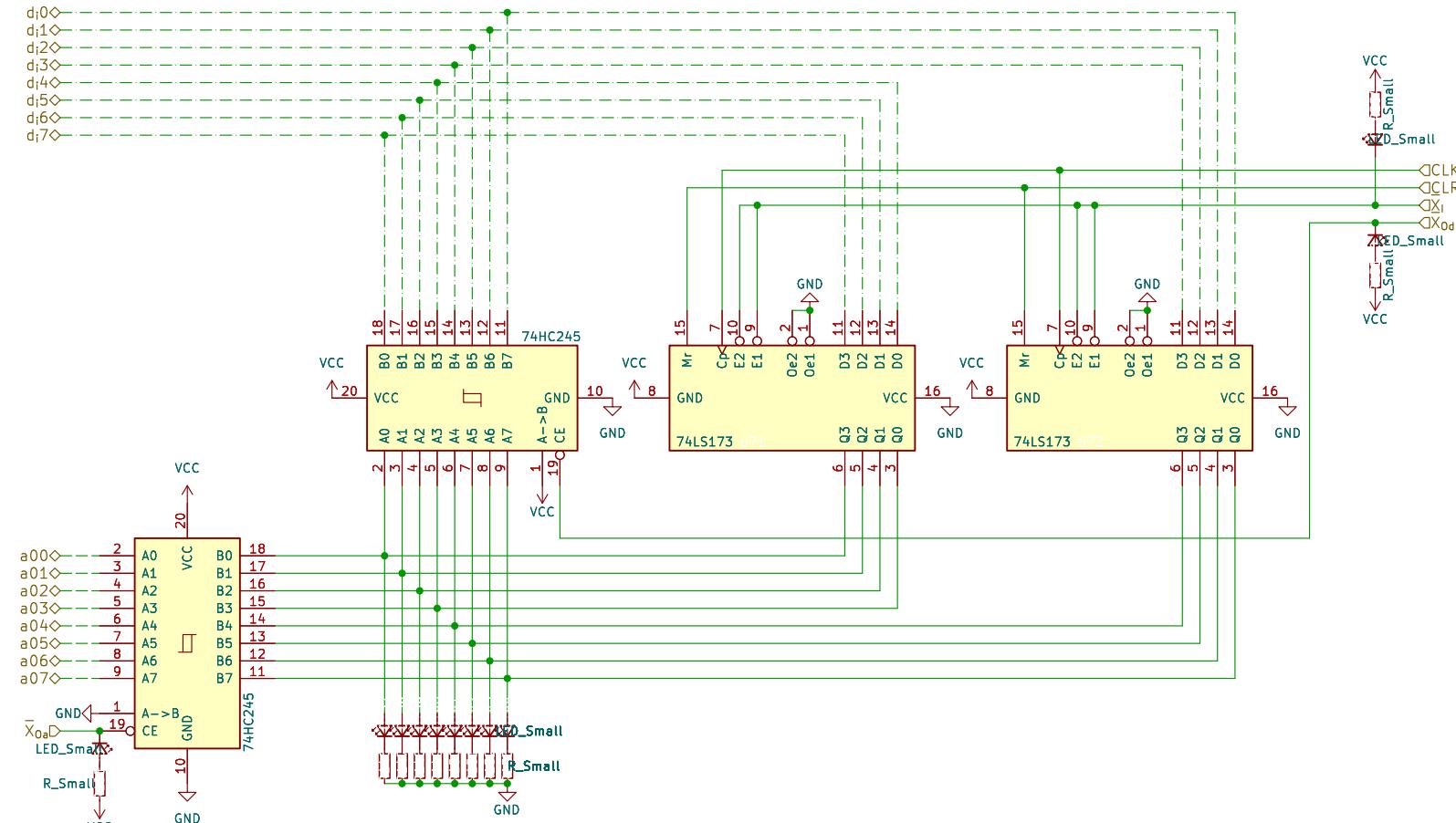
Rev:
Id: 21/20





1 2 3 4 5 6

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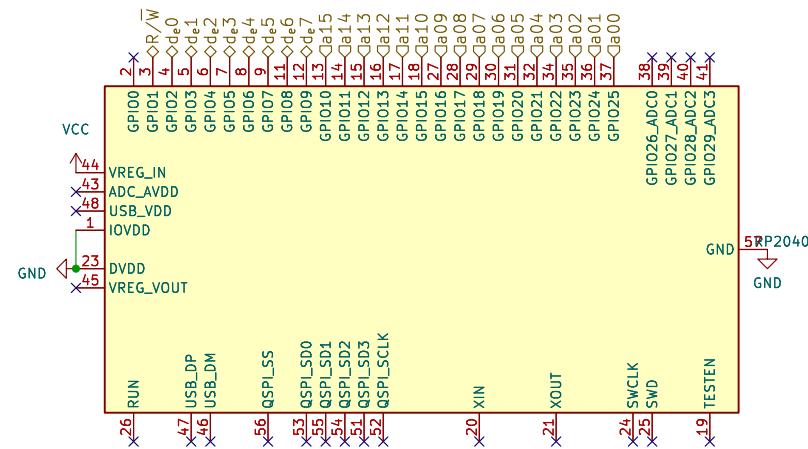
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File: xreg.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 24/20

1 2 3 4 5 6



Sheet: /DEBUG/
File: debug.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. kicad 7.0.1

Rev:
Id: 25/20