

1

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Clock module



File: clock_module.kicad_sch

Clock multiplexer



File: clock_multiplexer.kicad_sch

CPU



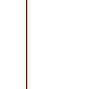
File: 6502.kicad_sch

EEPROM



File: eeprom.kicad_sch

VIA



File: via.kicad_sch

LCD



File: lcd.kicad_sch

RAM



File: ram.kicad_sch

Chip enable decoders



File: cs_decoders.kicad_sch

ACIA



File: acia.kicad_sch

SID



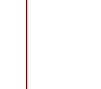
File: sid.kicad_sch

Bus decoders



File: bus_decoders.kicad_sch

SD Card



File: sd_card.kicad_sch

HW Breakpoint



File: hw_breakpoint.kicad_sch

PS2 Keyboard



File: keyboard.kicad_sch

DIN 41612



File: din_41612.kicad_sch

Power



File: power.kicad_sch

Sheet: /
File: 6502_Computer.kicad_sch

Title: Clock module

Size: A4 | Date: 2025-10-09
KiCad E.D.A. 9.0.6

Rev: 0
Id: 1/17

1

2

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1 2 3 4 5 6

A

A

B

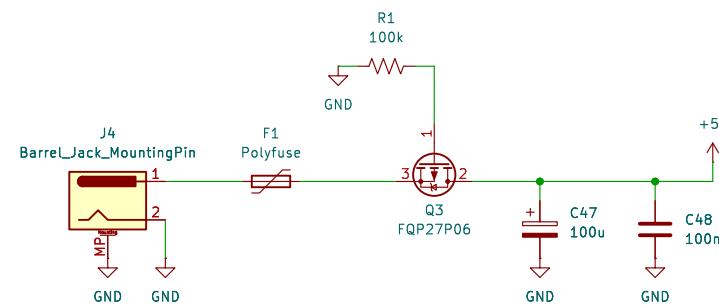
B

C

C

D

D



Sheet: /Power/
File: power.kicad_sch

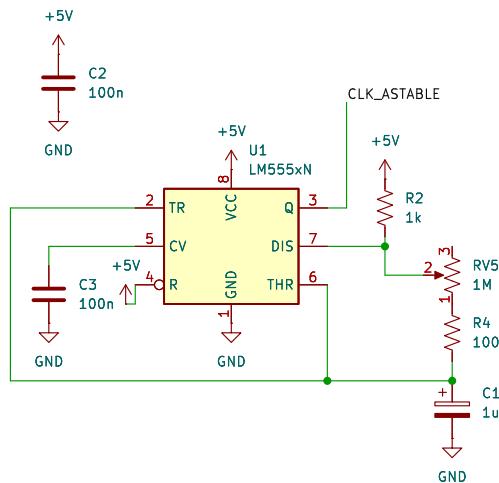
Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

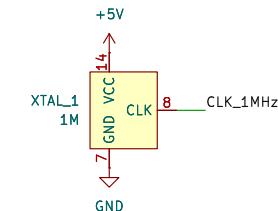
Rev:
Id: 2/17

1 2 3 4 5 6

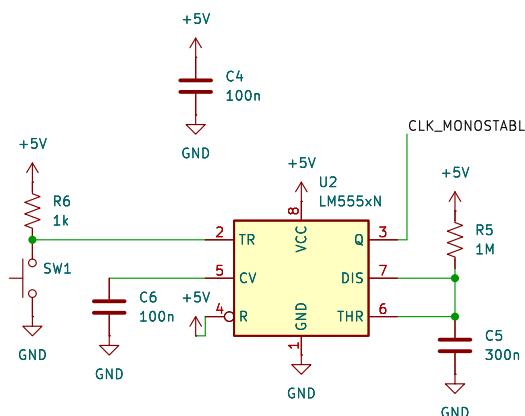
Astable



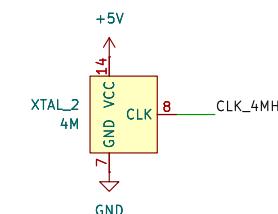
1 MHz



Monostable



4 MHz



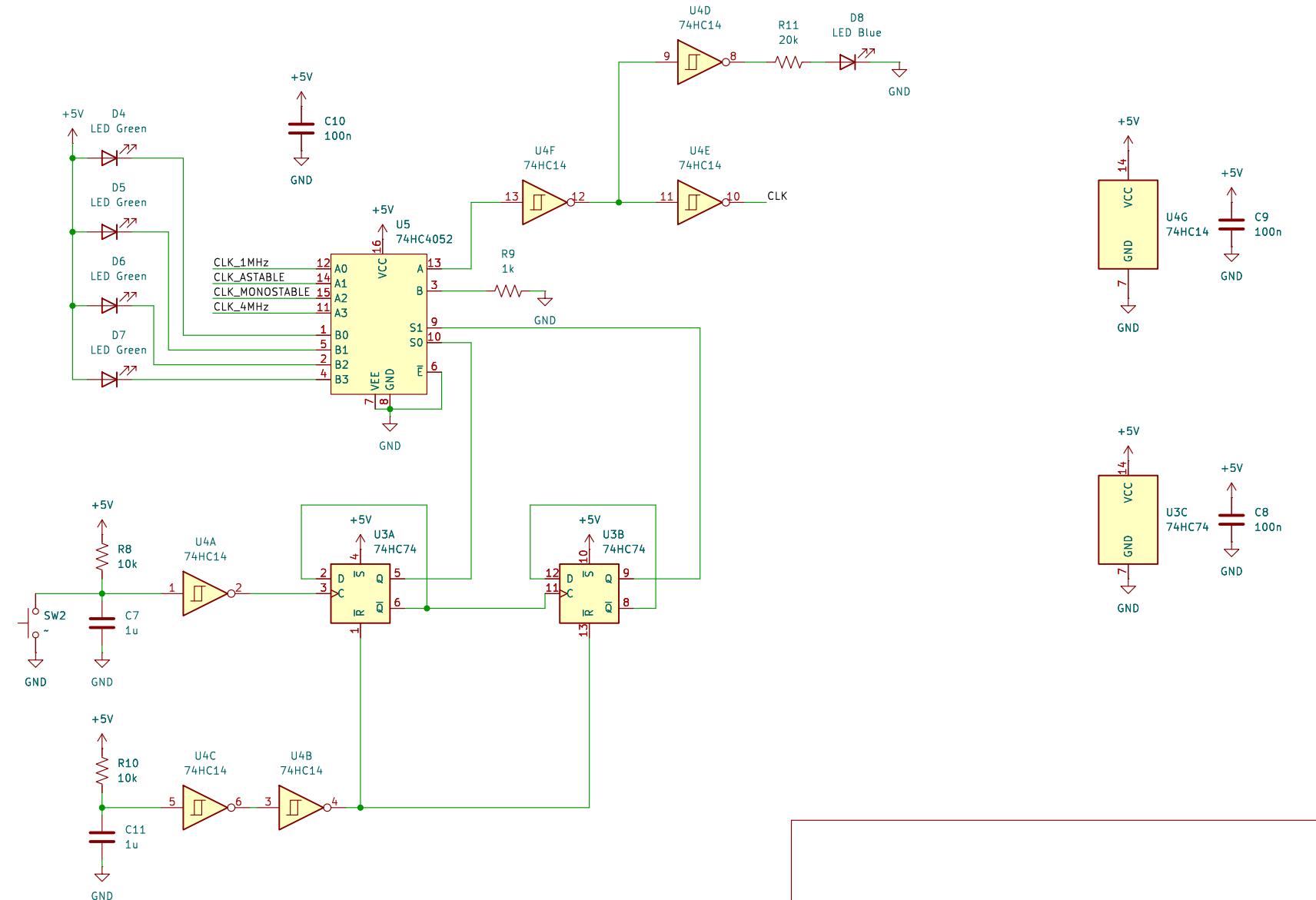
Sheet: /Clock module/
File: clock_module.kicad_sch

Title:

Size: A4 Date:

KiCad E.D.A. 9.0.6

Rev:
Id: 3/17



Sheet: /Clock multiplexer/
File: clock_multiplexer.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 4/17

A

A

B

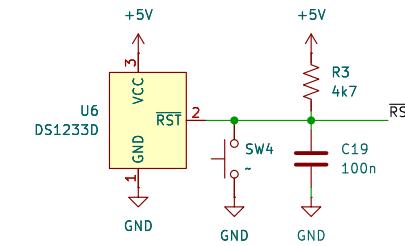
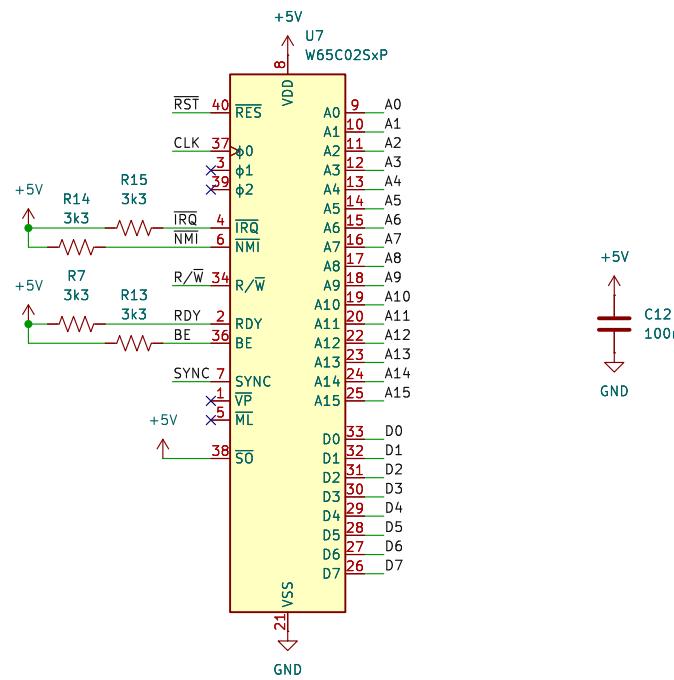
B

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C

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D

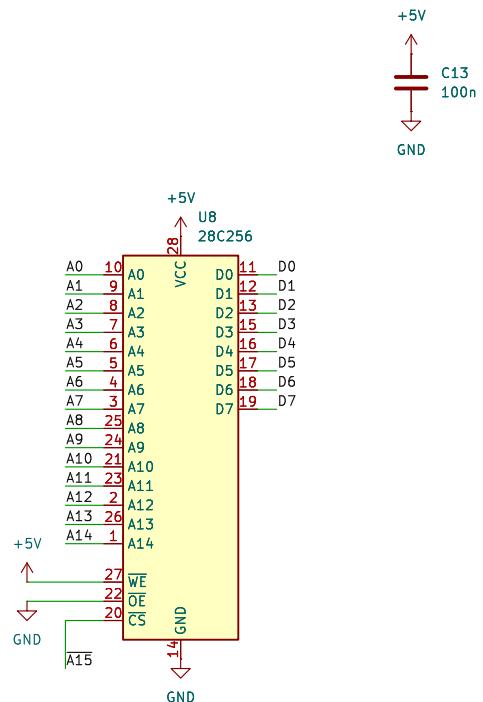


Sheet: /CPU/
File: 6502.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 5/17



Sheet: /EEPROM/
File: eeprom.kicad_sch

Title:

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 6/17

A

A

B

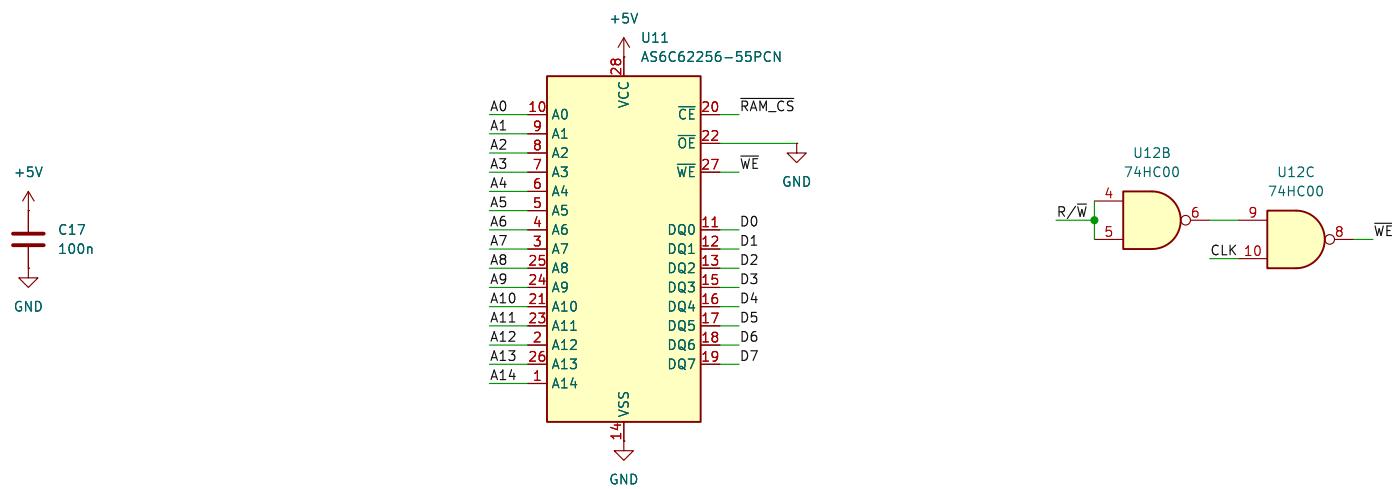
B

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D

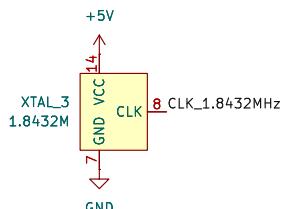
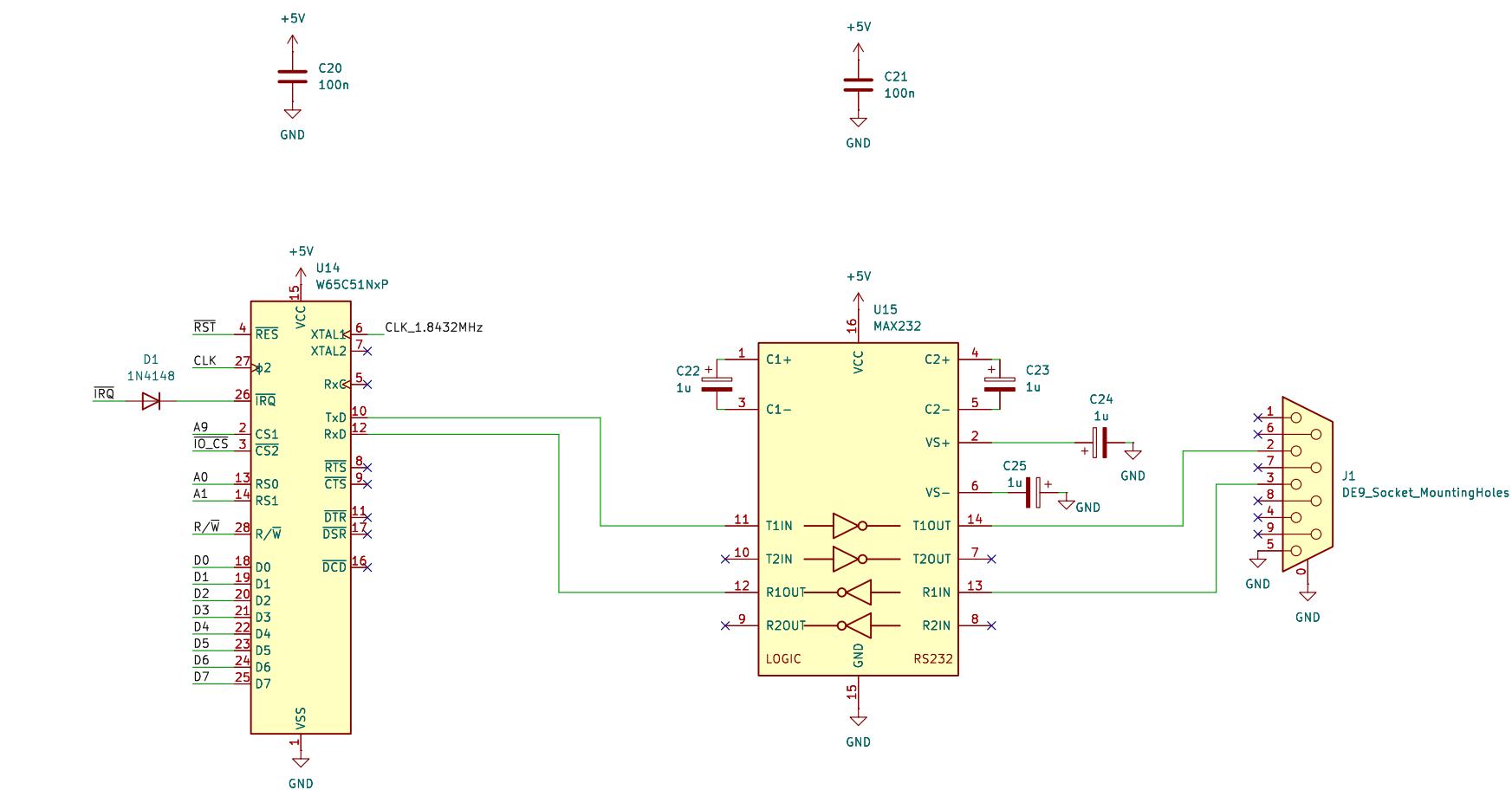


Sheet: /RAM/
File: ram.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 7/17



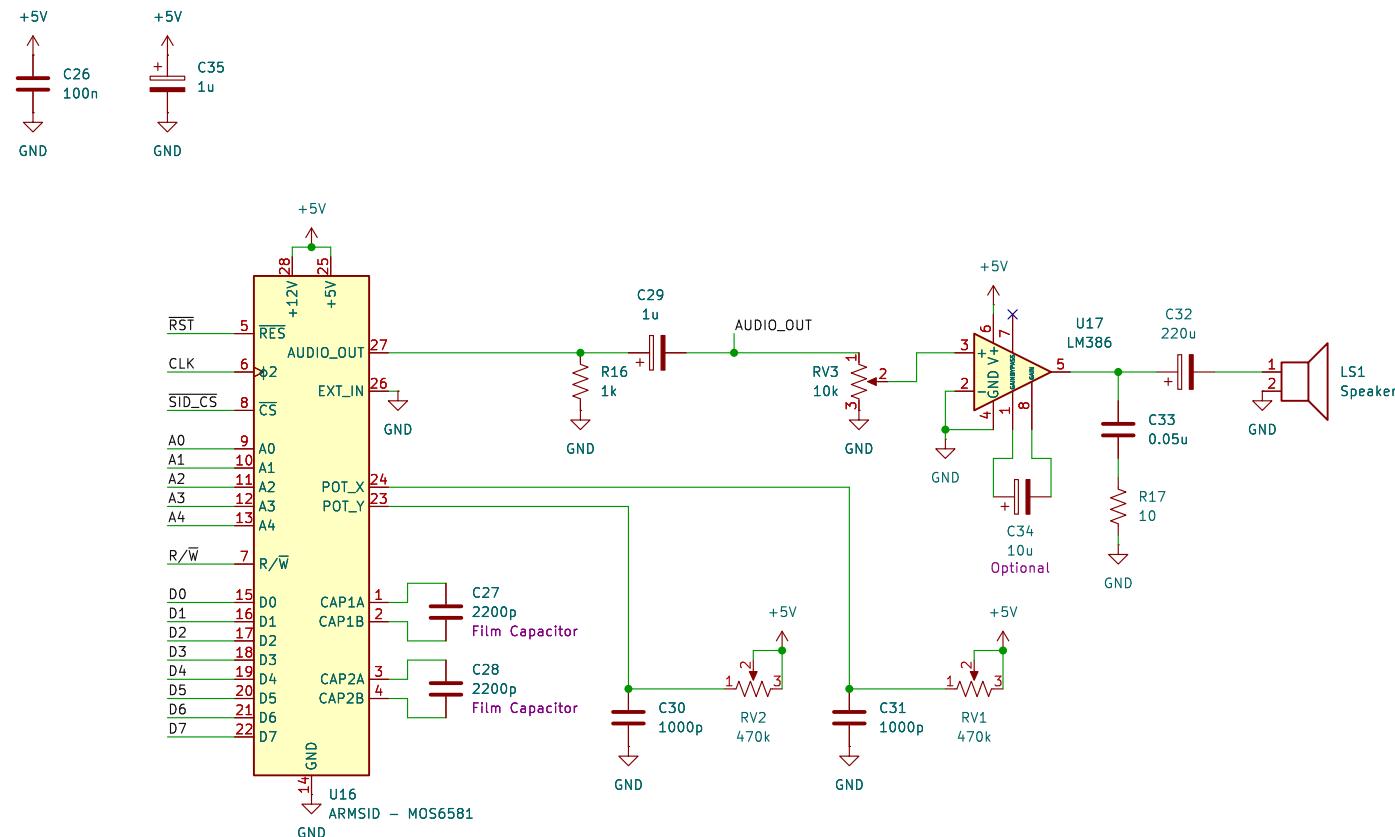
Sheet: /ACIA/
File: acia.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 8/17

ToDo: Configure SID to accept +5V in +12V pin



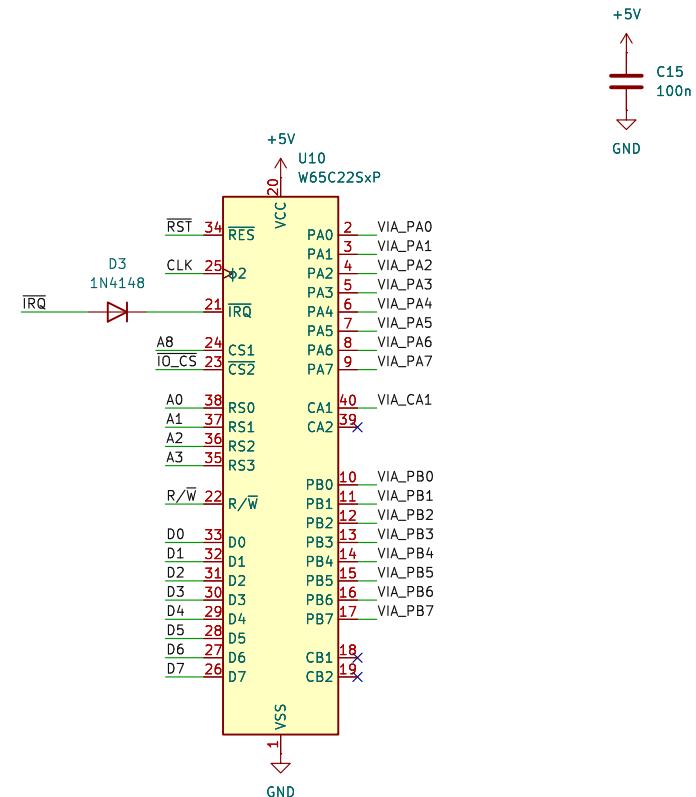
Sheet: /SID/
File: sid.kicad_sch

Title:

Size: A4 | Date:

KiCad E.D.A. 9.0.6

Rev:
Id: 9/17



Sheet: /VIA/
File: via.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 10/17

A

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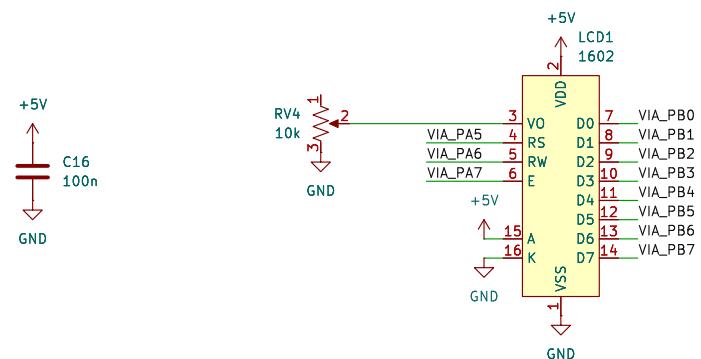
A

B

C

ToDo: Use only 4 wires

To Do: Upgrade to bigger LCD



Sheet: /LCD/
File: lcd.kicad_sch

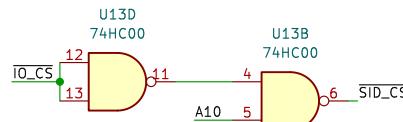
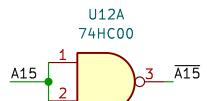
Title:

Size: A4 Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 11/17

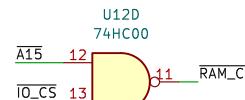
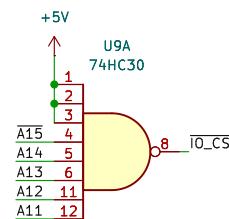
A

A



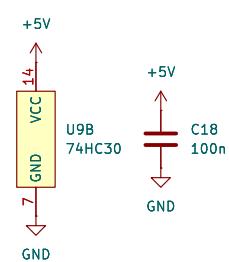
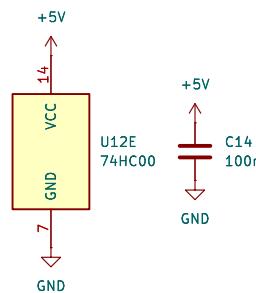
B

B



C

C

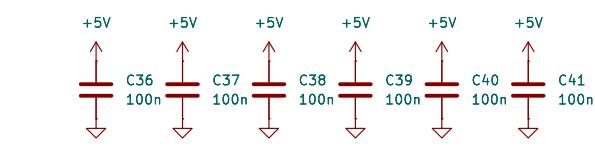
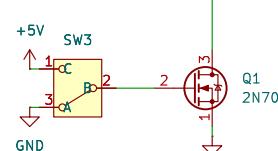
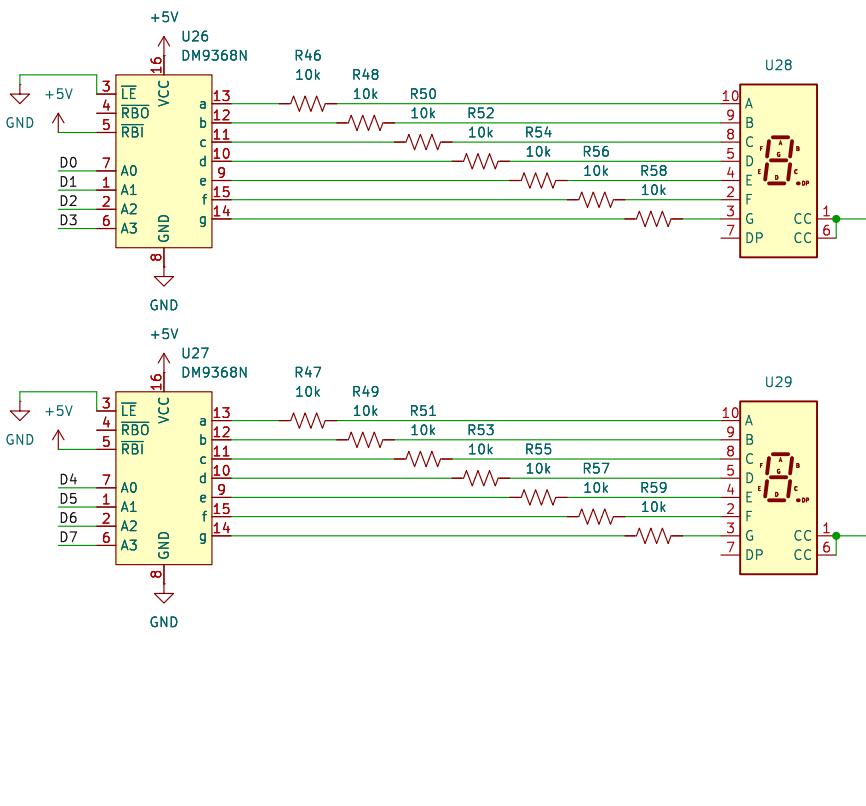
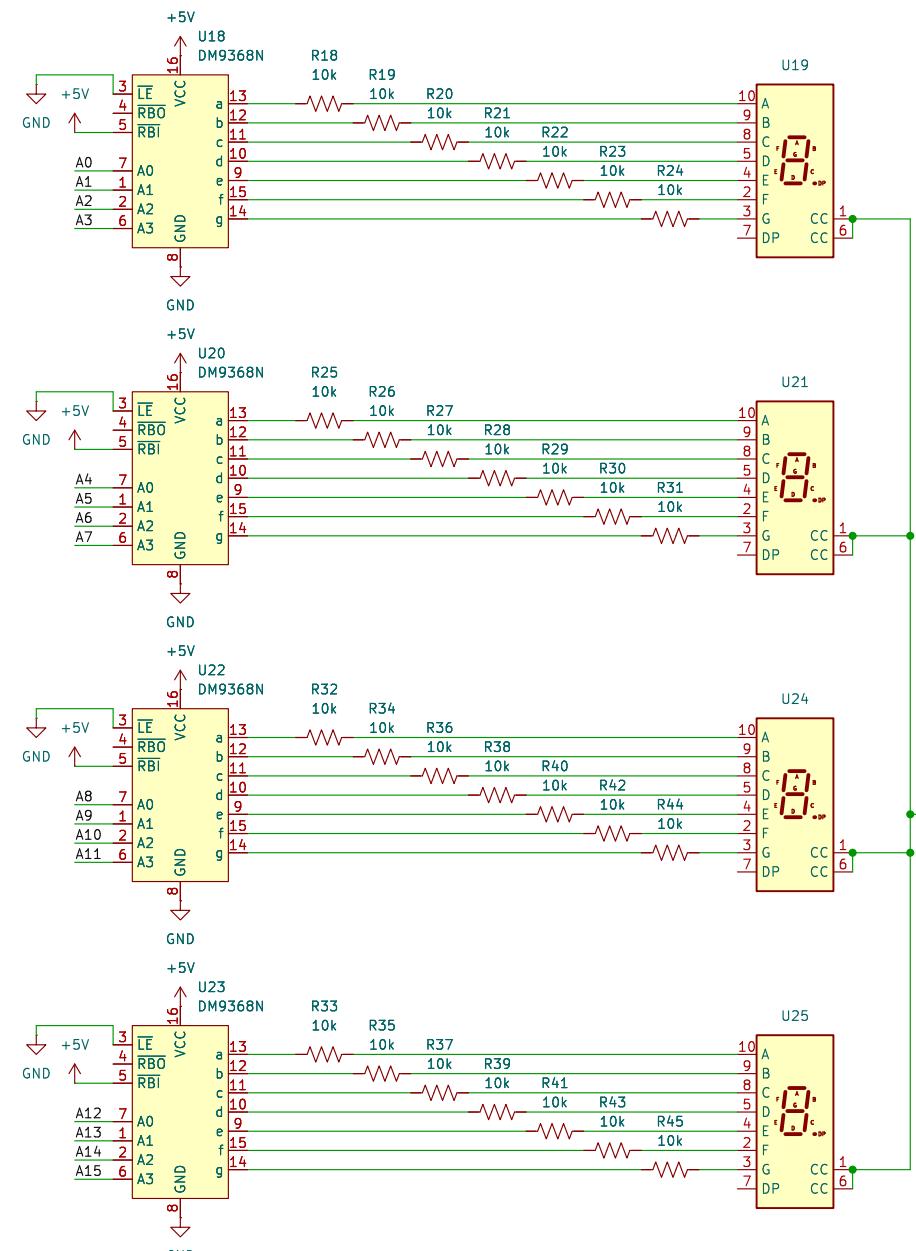
**Title:**

Size: A4 | Date:

KiCad E.D.A. 9.0.6

Rev:

Id: 12/17



Sheet: /Bus decoders/
File: bus_decoders.kicad_sch

Title:

Size: A4 | Date:

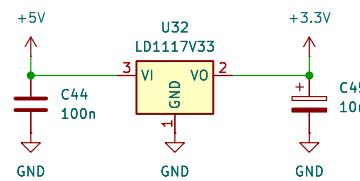
KiCad E.D.A. 9.0.6

Rev:
Id: 13/17

1 2 3 4 5 6

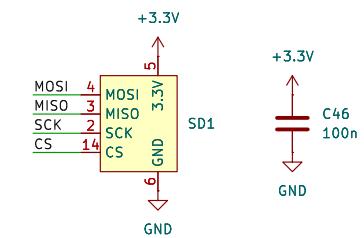
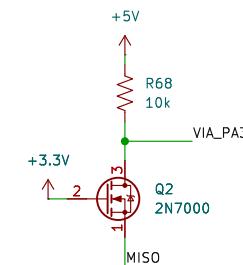
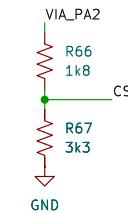
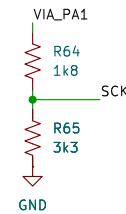
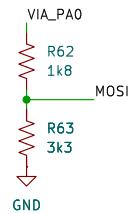
A

A



B

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C

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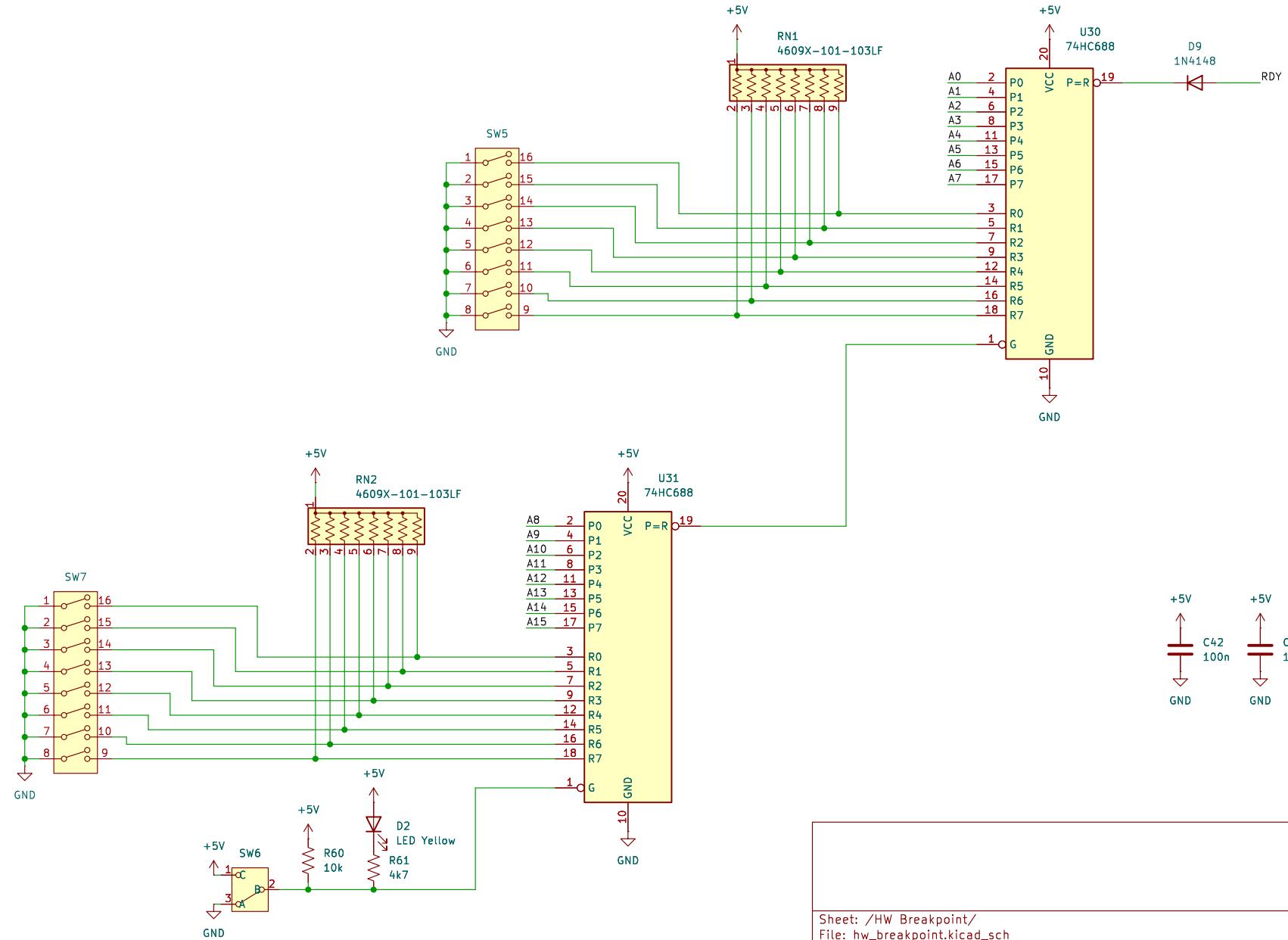
Sheet: /SD Card/
File: sd_card.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 14/17

1 2 3 4 5 6



Sheet: /HW Breakpoint/
File: hw_breakpoint.kicad_sch

Title:

Size: A4 | Date:

KiCad E.D.A. 9.0.6

Rev:

Id: 15/17

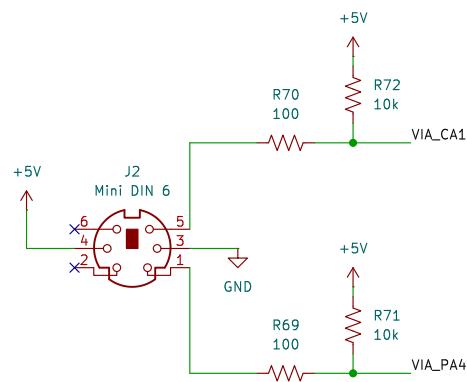
1 2 3 4 5 6

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Sheet: /PS2 Keyboard/
File: keyboard.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 16/17

1 2 3 4 5 6

A

A

B

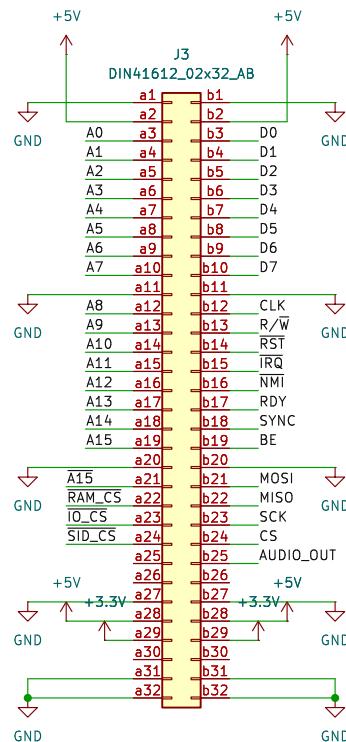
B

C

C

D

D



To Do: After updating the LCD screen,
route a couple of VIA pins and the
corresponding Cx1 pin

Sheet: /DIN 41612/
File: din_41612.kicad_sch

Title:

Size: A4 | Date:
KiCad E.D.A. 9.0.6

Rev:
Id: 17/17