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

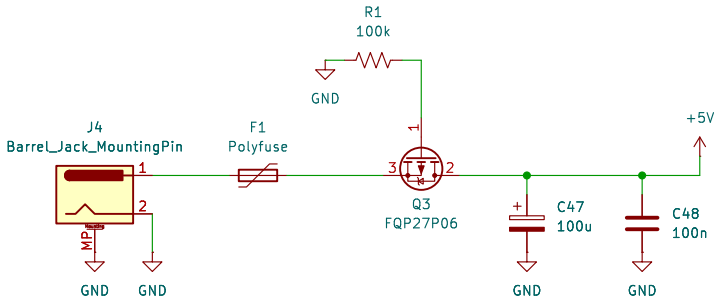
Power

File: power.kicad_sch

Sheet: /
File: 6502_Computer.kicad_sch

Title: Clock module

Size: A4	Date: 2025-10-09	**Rev: 0**
KiCad E.D.A. 9.0.6		Id: 1/17

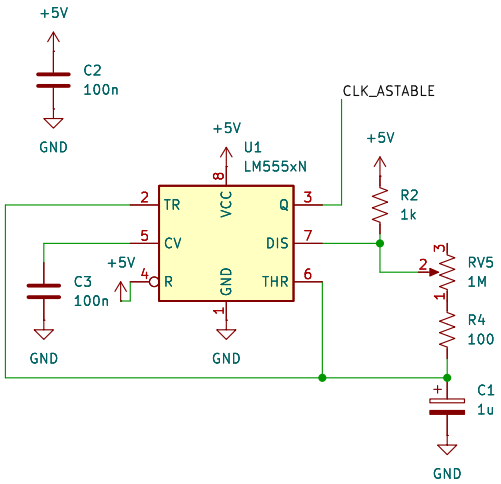


Sheet: /Power/
File: power.kicad_sch

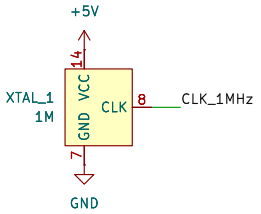
Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 2/17

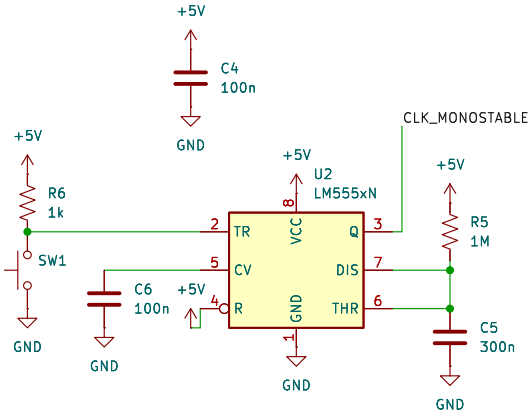
Astable



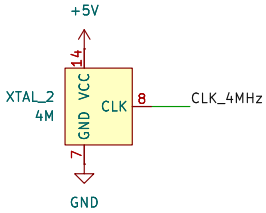
1 MHz



Monostable



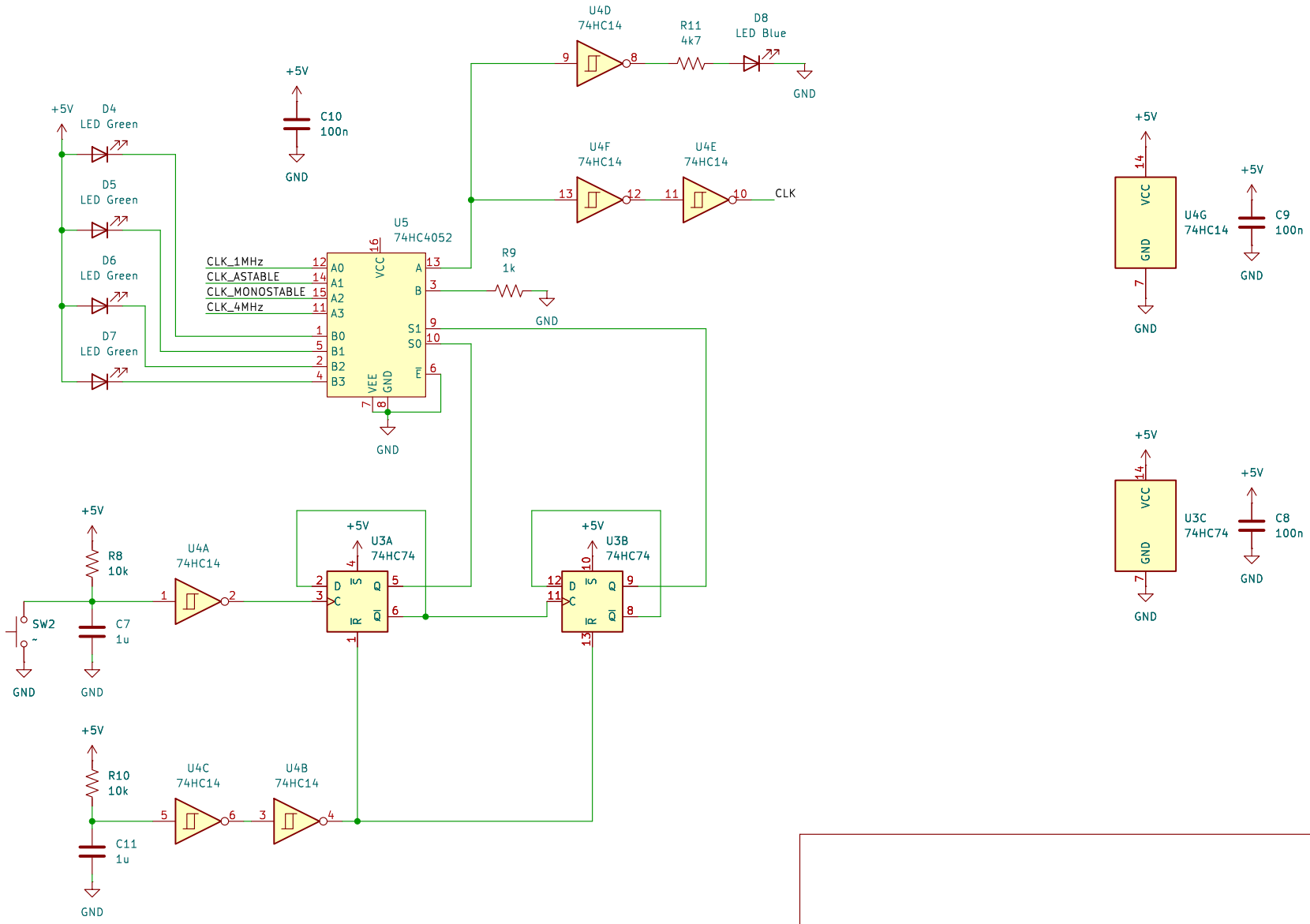
4 MHz



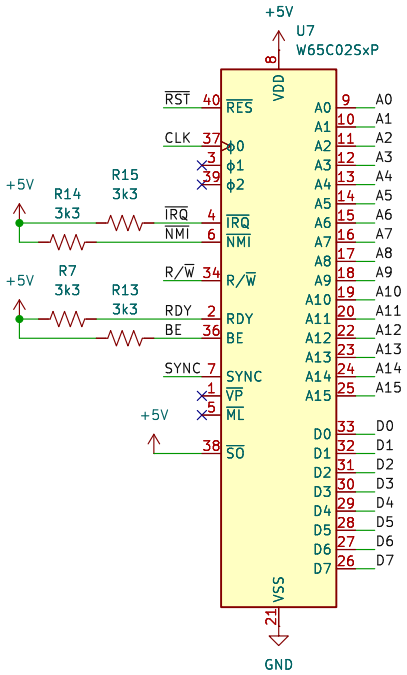
Sheet: /Clock module/
File: clock_module.kicad_sch

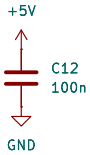
Title:

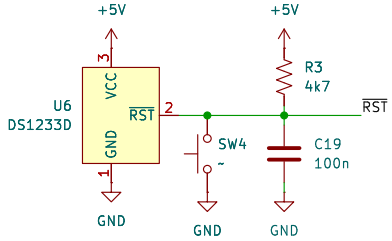
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 3/17



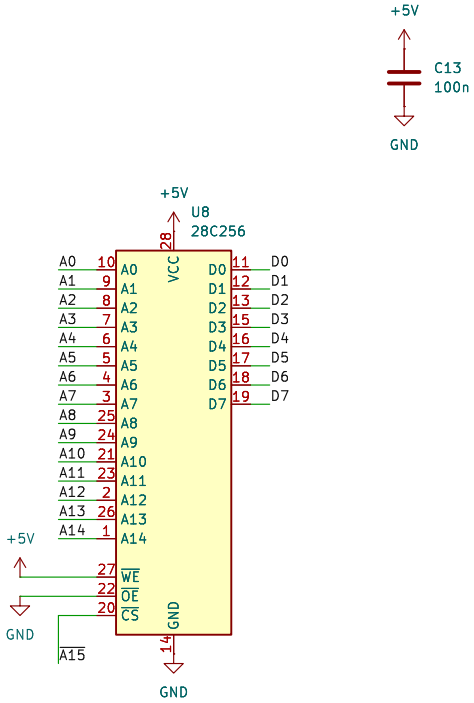
Sheet: /Clock multiplexer/		
File: clock_multiplexer.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 4/17



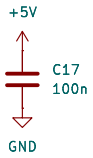


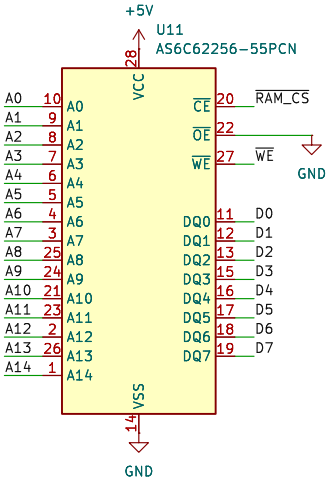


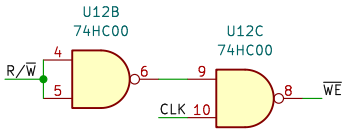
Sheet: /CPU/ File: 6502.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 5/17



Sheet: /EEPROM/		
File: eeprom.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 6/17





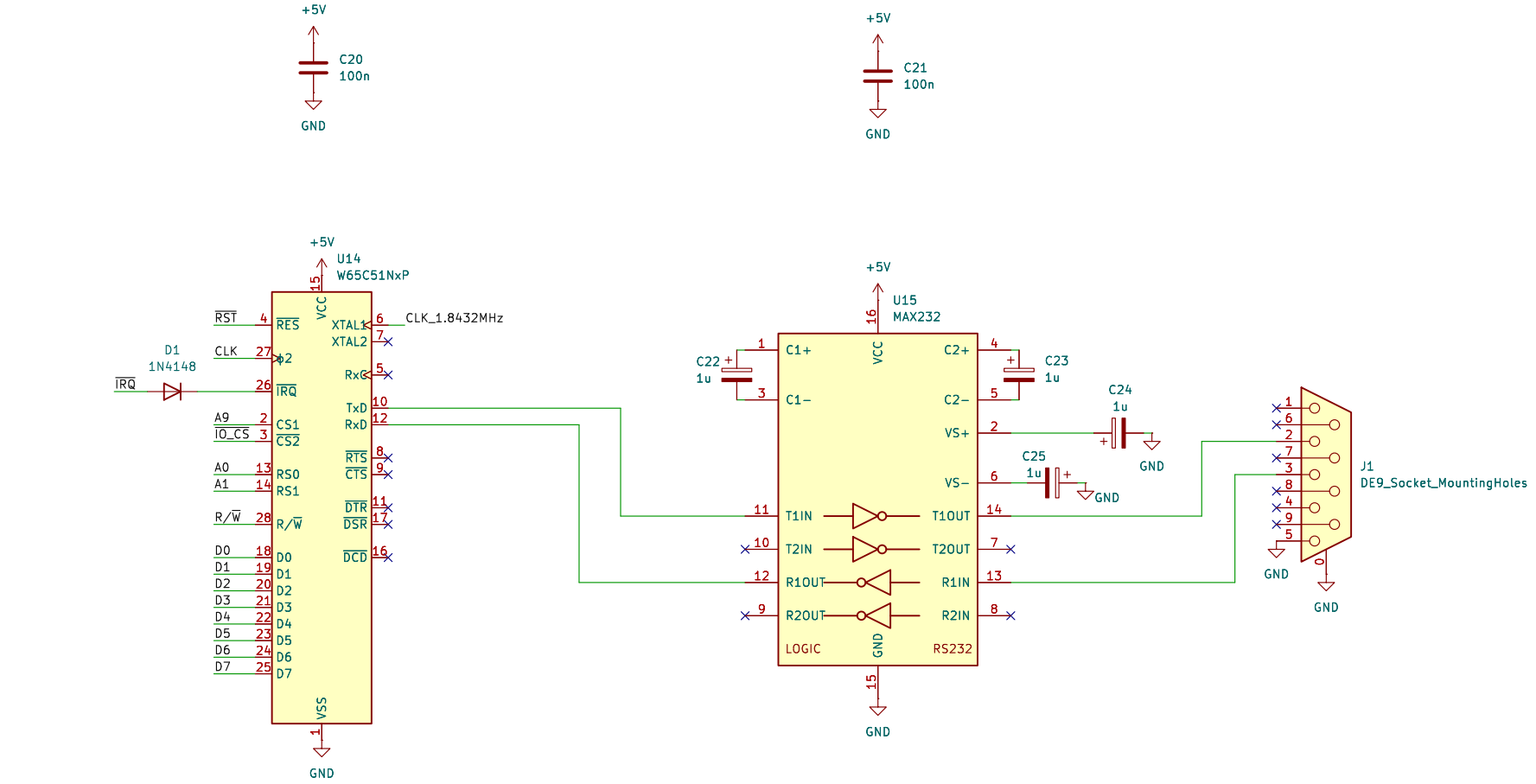


Sheet: /RAM/
File: ram.kicad_sch

Title:

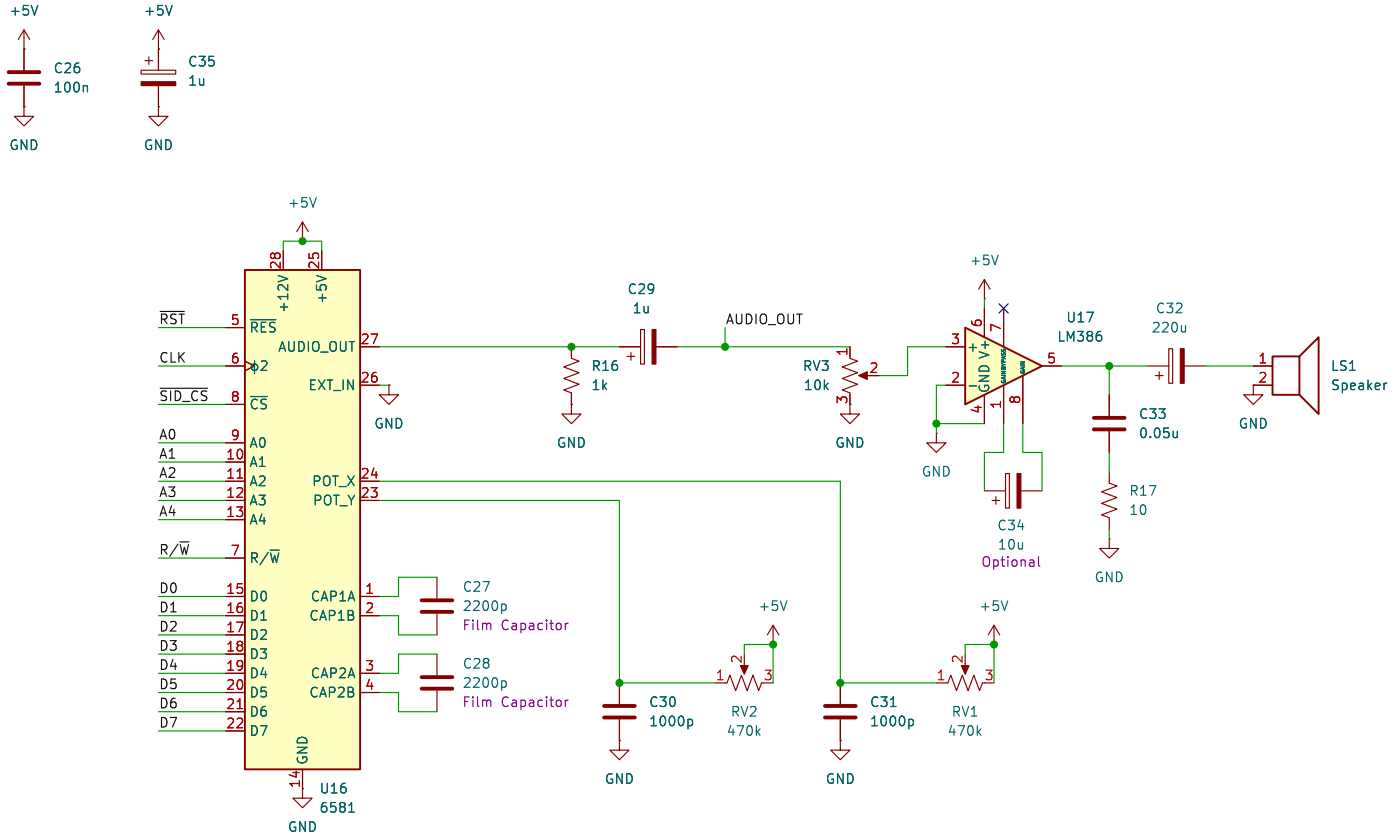
Size: A4 | Date: | **Rev:**

KiCad E.D.A. 9.0.6 | Id: 7/17

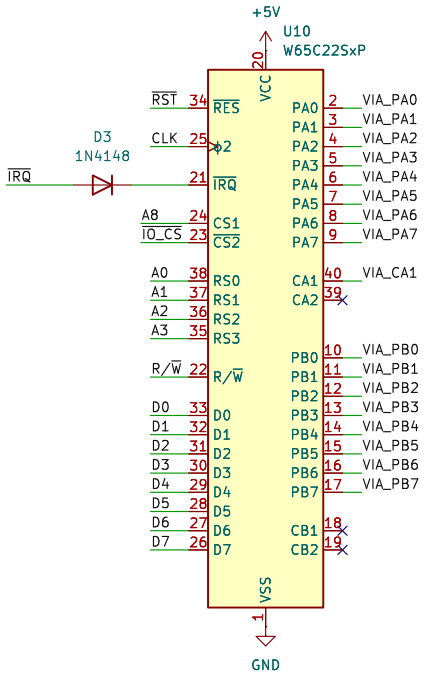


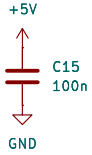
Sheet: /ACIA/		
File: acia.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 8/17

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



Sheet: /SID/		
File: sid.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 9/17





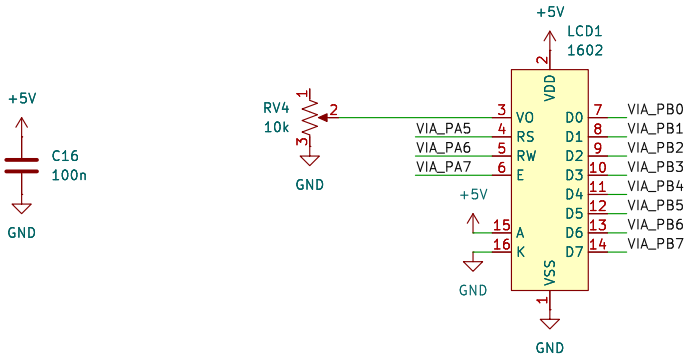
Sheet: /VIA/
File: via.kicad_sch

Title:

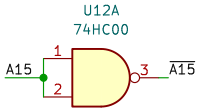
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 10/17

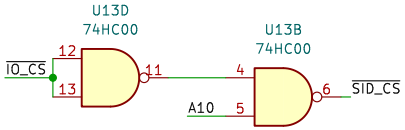
ToDo: Use only 4 wires

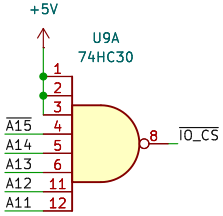
ToDo: Upgrade to bigger LCD

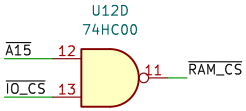


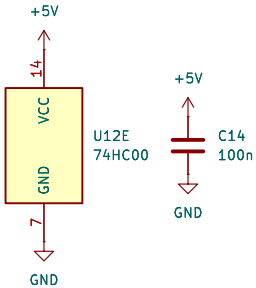
Sheet: /LCD/		
File: lcd.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 11/17

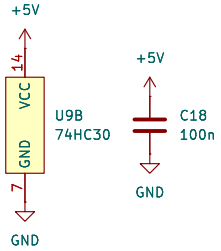








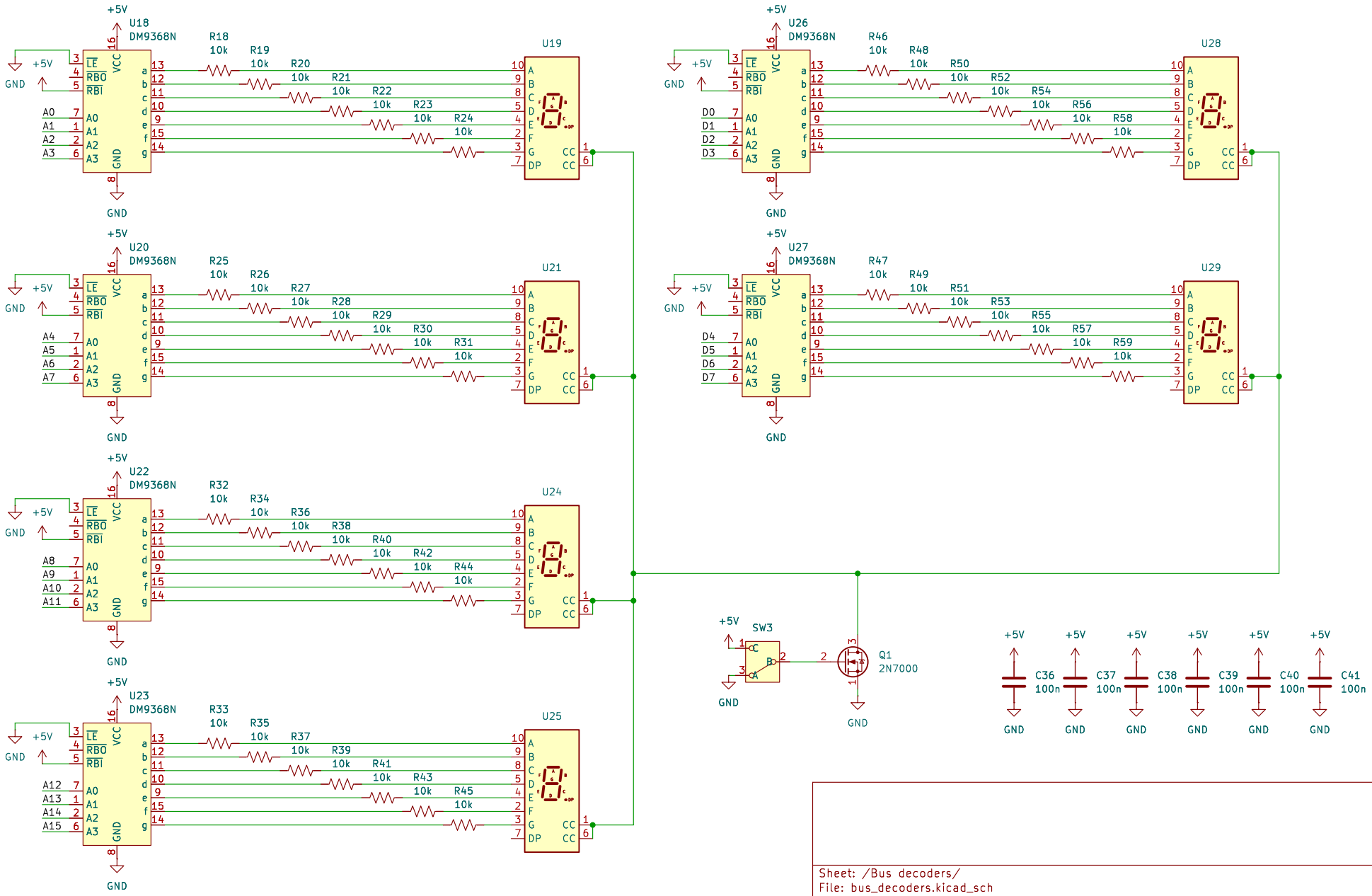




Sheet: /Chip enable decoders/
File: cs_decoders.kicad_sch

Title:

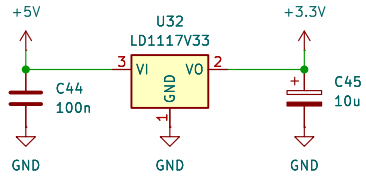
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 12/17

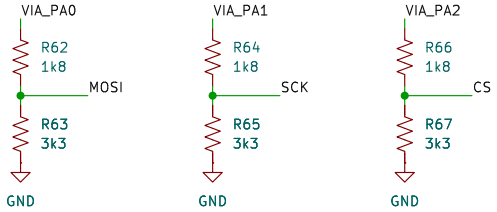


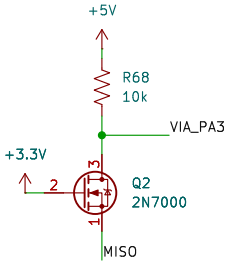
Sheet: /Bus decoders/
File: bus_decoders.kicad_sch

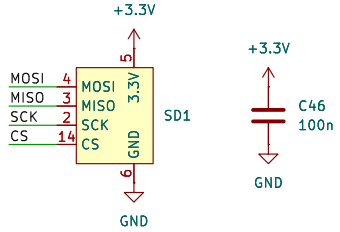
Title:

Size: A4 | Date: | **Rev:**
KiCad E.D.A. 9.0.6 | Id: 13/17

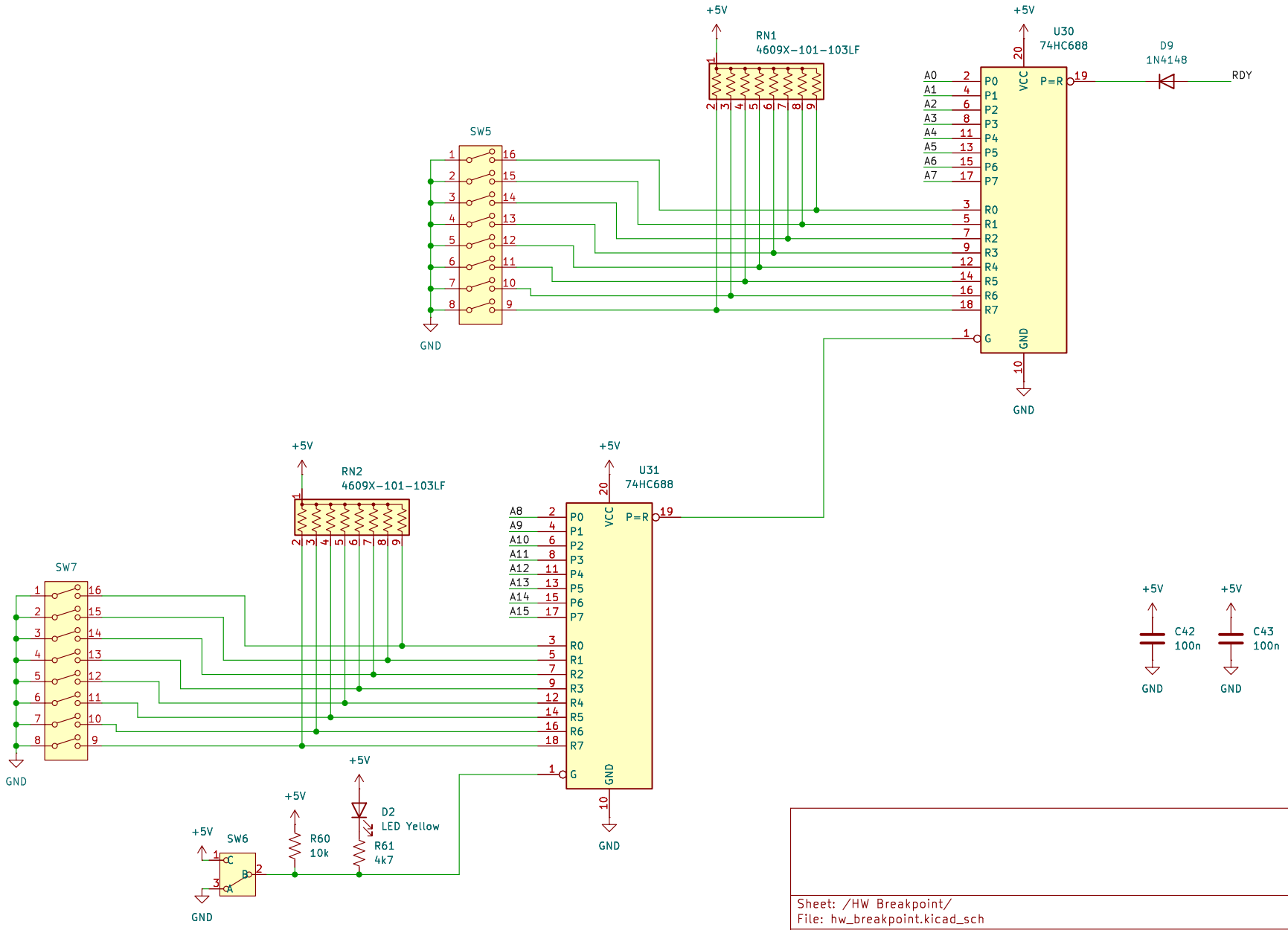








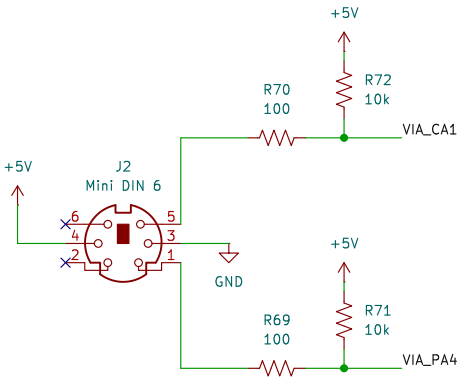
Sheet: /SD Card/ File: sd_card.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 14/17



Sheet: /HW Breakpoint/
File: hw_breakpoint.kicad_sch

Title:

Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 15/17

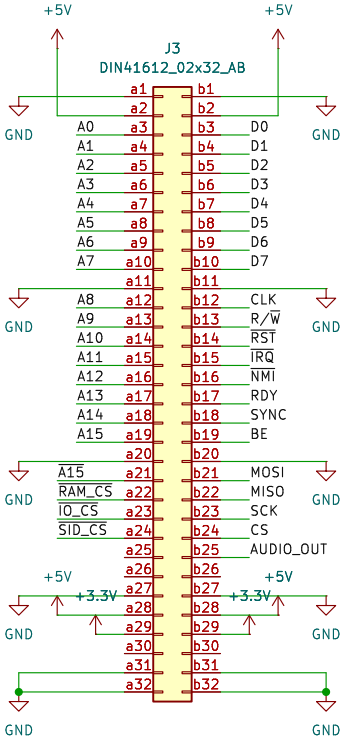


Sheet: /PS2 Keyboard/
File: keyboard.kicad_sch

Title:

Size: A4 | Date: | **Rev:**

KiCad E.D.A. 9.0.6 | Id: 16/17



ToDo: 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:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 17/17