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

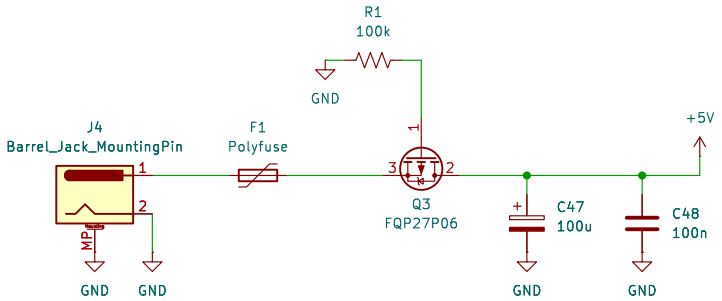
Power

File: power.kicad_sch

Sheet: /
File: 6502_Computer.kicad_sch

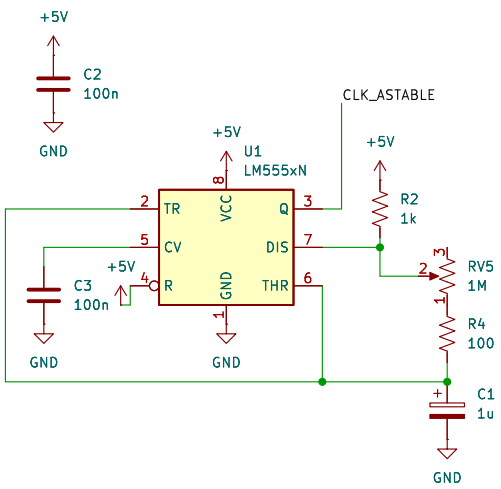
Title: Clock module

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

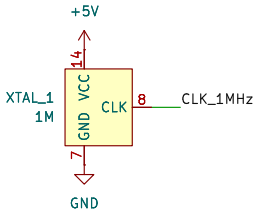


Sheet: /Power/		
File: power.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 2/17

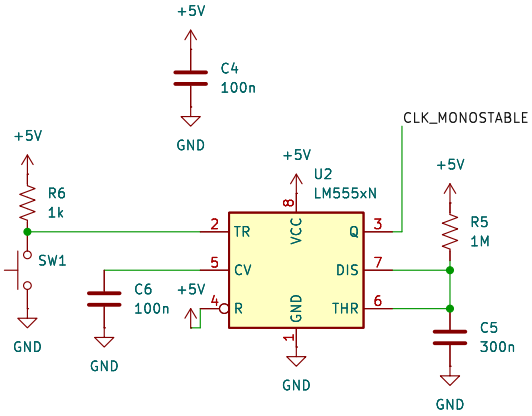
Astable



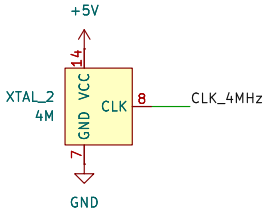
1 MHz



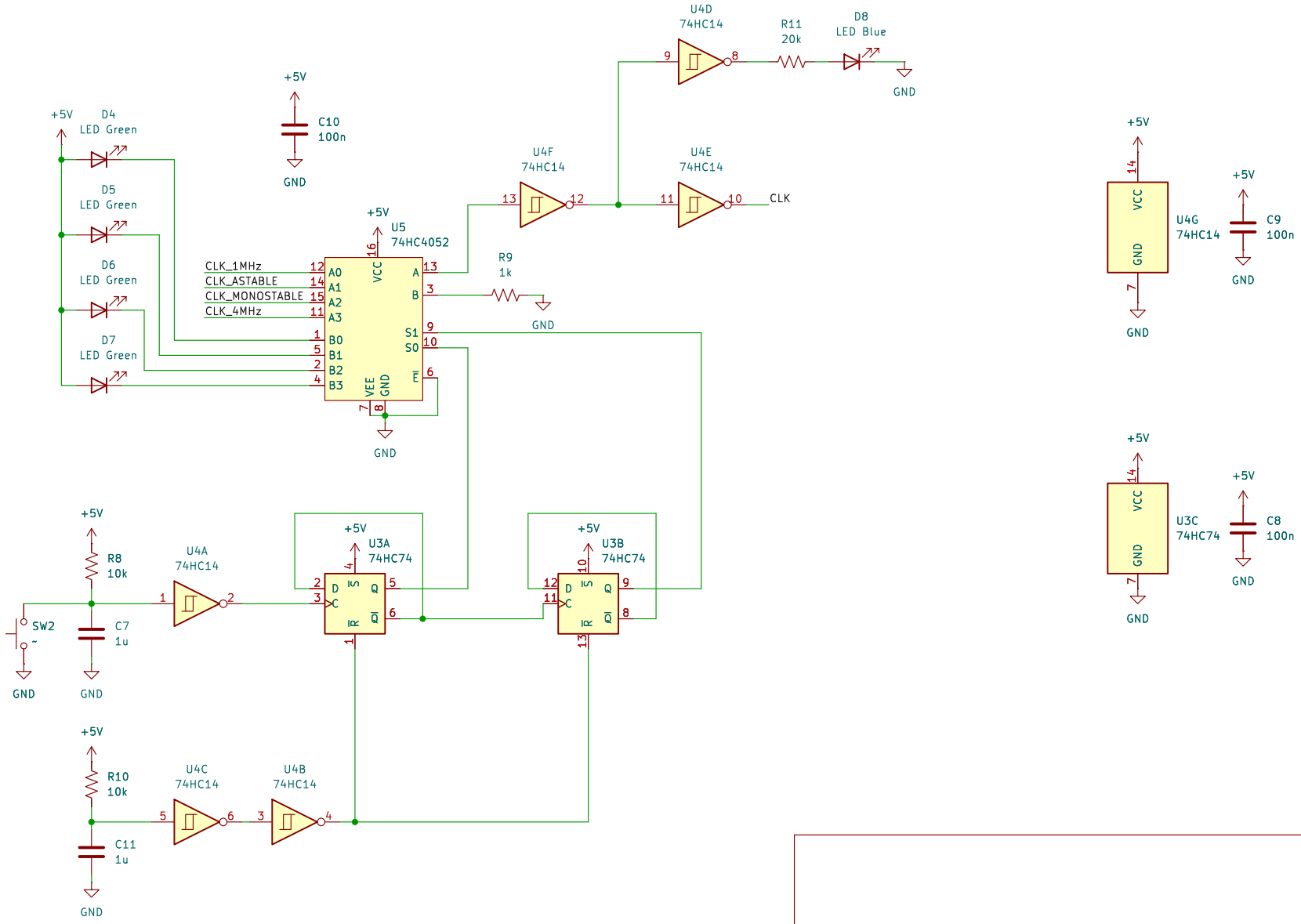
Monostable



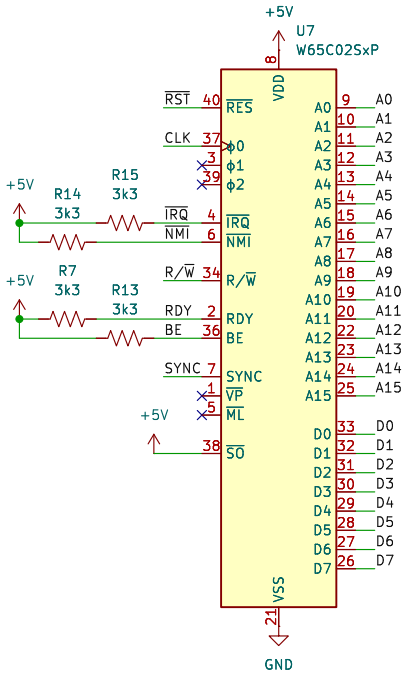
4 MHz

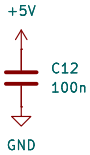


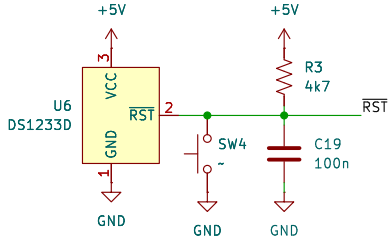
Sheet: /Clock module/ File: clock_module.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 3/17



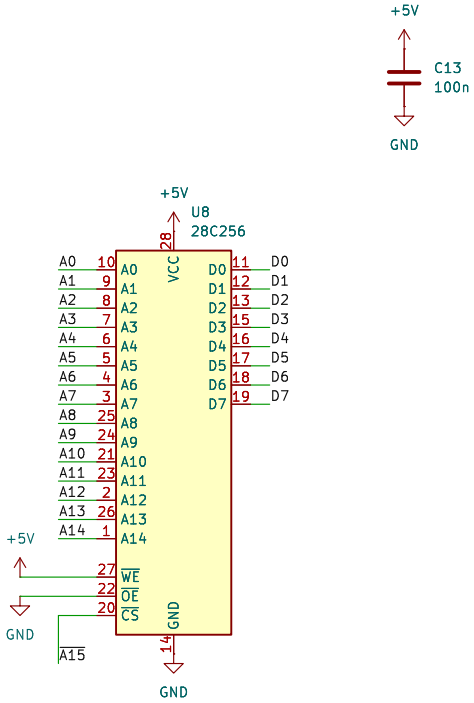
Sheet: /Clock multiplexer/		
File: clock_multiplexer.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 4/17



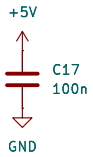


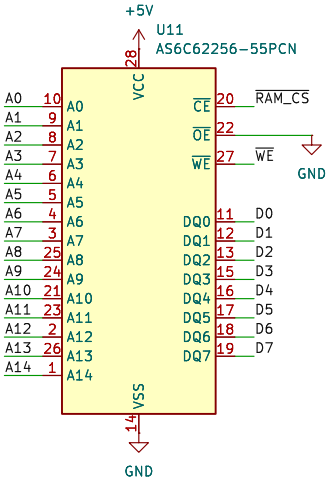


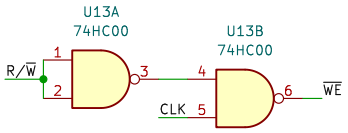
Sheet: /CPU/ File: 6502.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 5/17



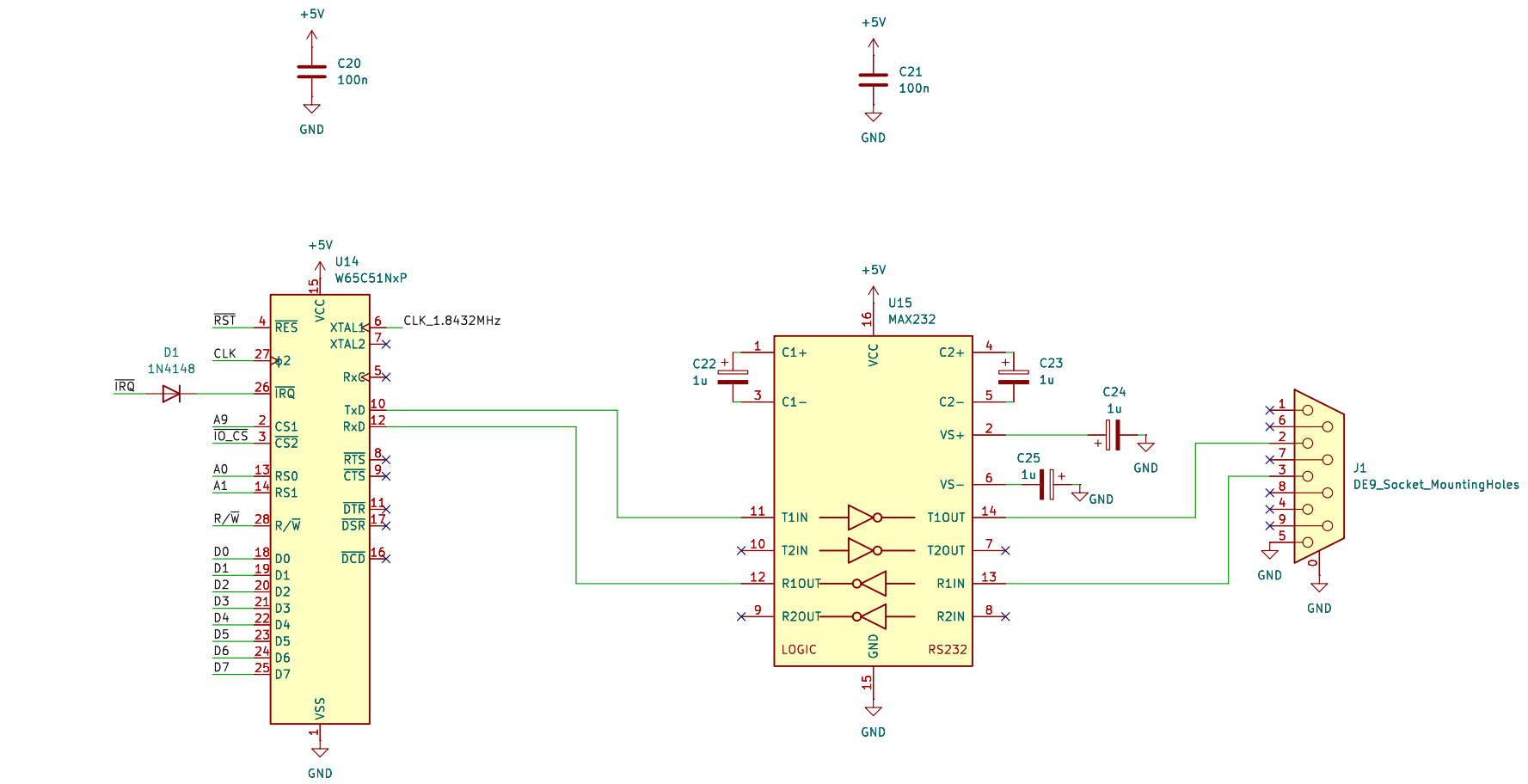
Sheet: /EEPROM/		
File: eeprom.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 6/17





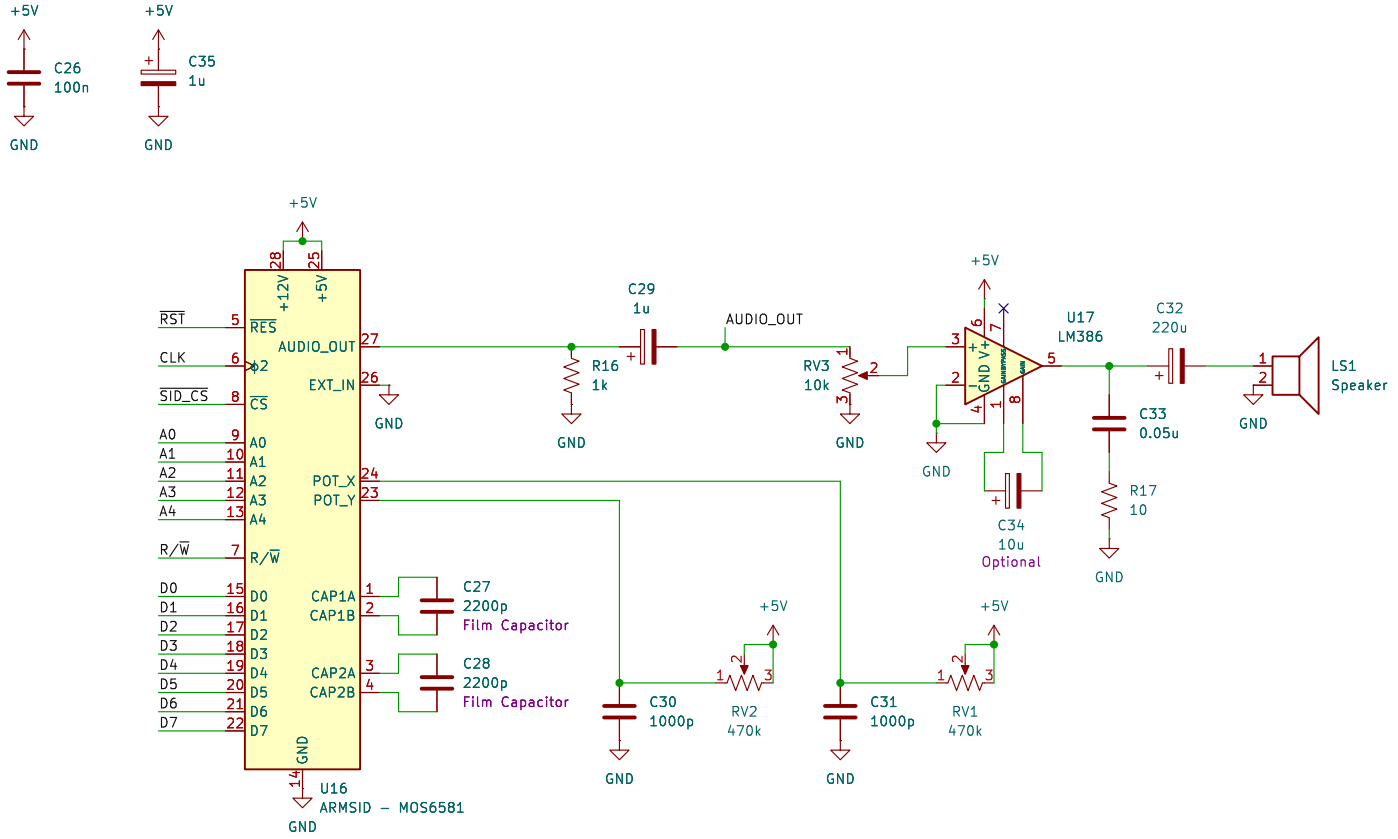


Sheet: /RAM/ File: ram.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 7/17

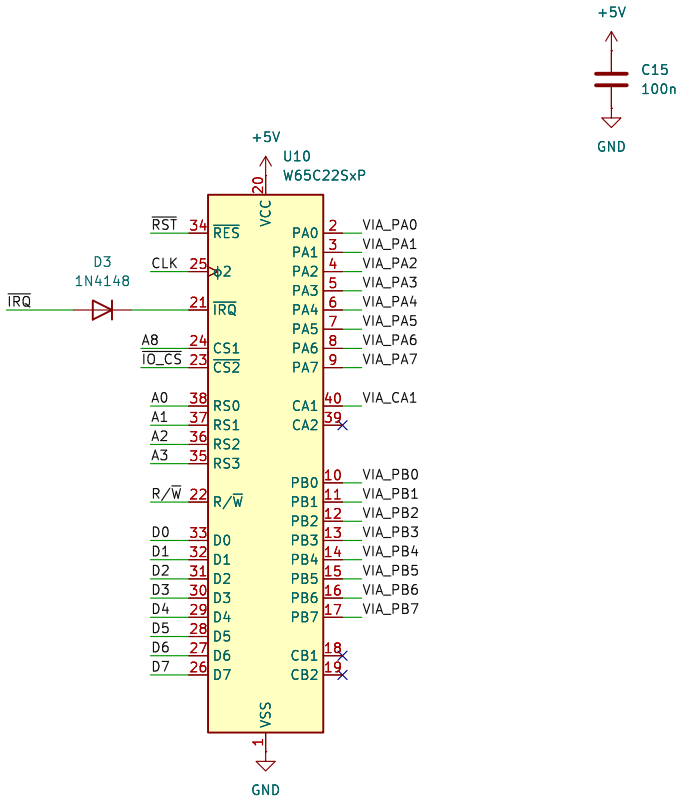


Sheet: /ACIA/		
File: acia.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 8/17

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



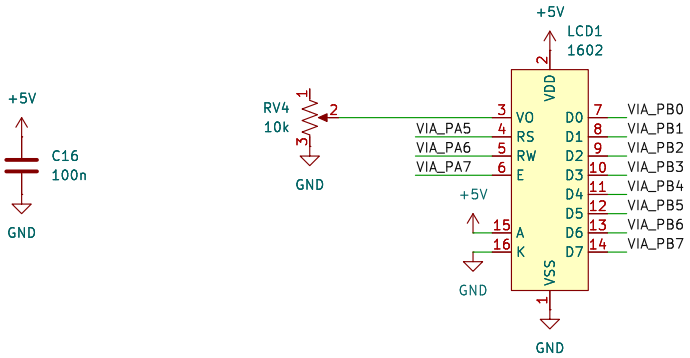
Sheet: /VIA/
File: via.kicad_sch

Title:

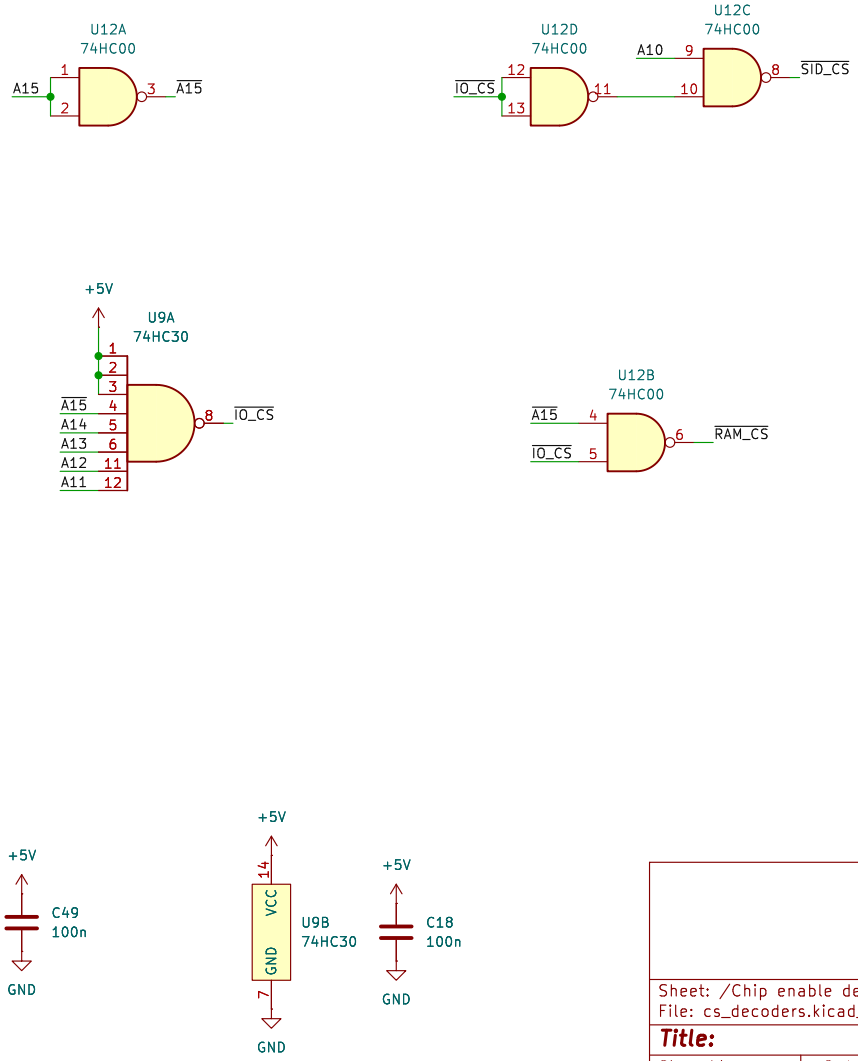
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 10/17

ToDo: Use only 4 wires

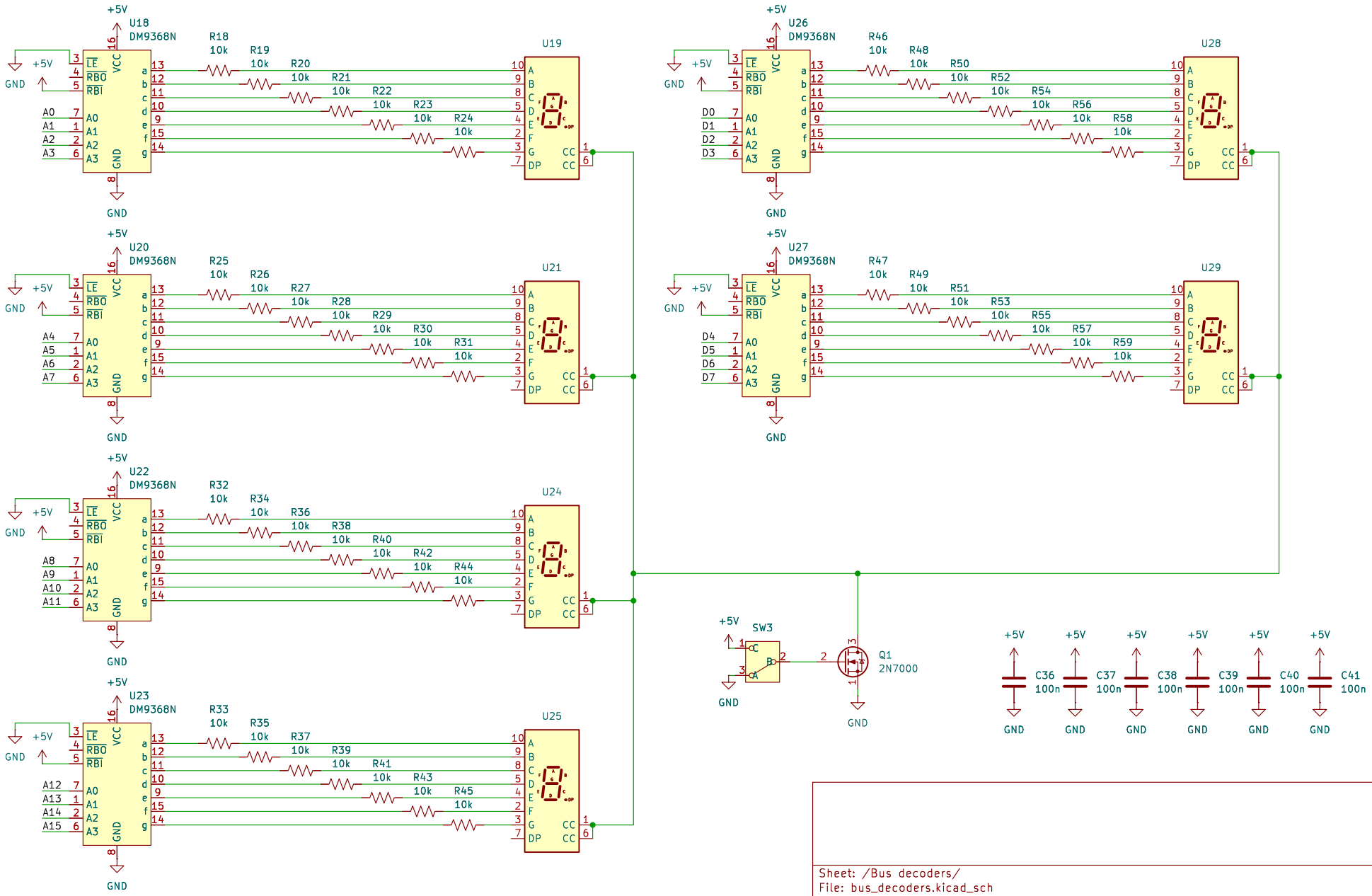
ToDo: Upgrade to bigger LCD

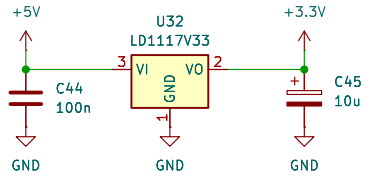


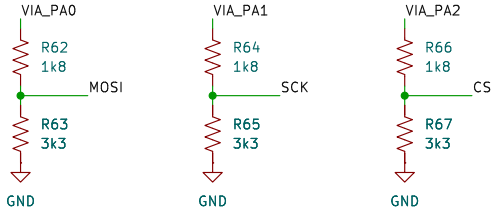
Sheet: /LCD/		
File: lcd.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 11/17

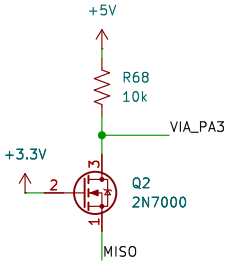


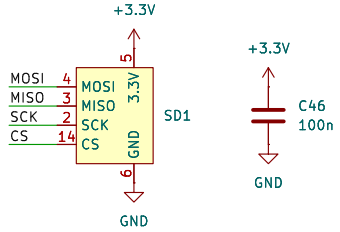
Sheet: /Chip enable decoders/		
File: cs_decoders.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 12/17


U18
DM9368N
U19
U20
DM9368N
U21
U22
DM9368N
U24
U23
DM9368N
U25
U26
DM9368N
U28
U27
DM9368N
U29
SW3
Q1
2N7000
C36 100n
C37 100n
C38 100n
C39 100n
C40 100n
C41 100n
+5V
GND
Sheet: /Bus decoders/
File: bus_decoders.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 9.0.6
Id: 13/17

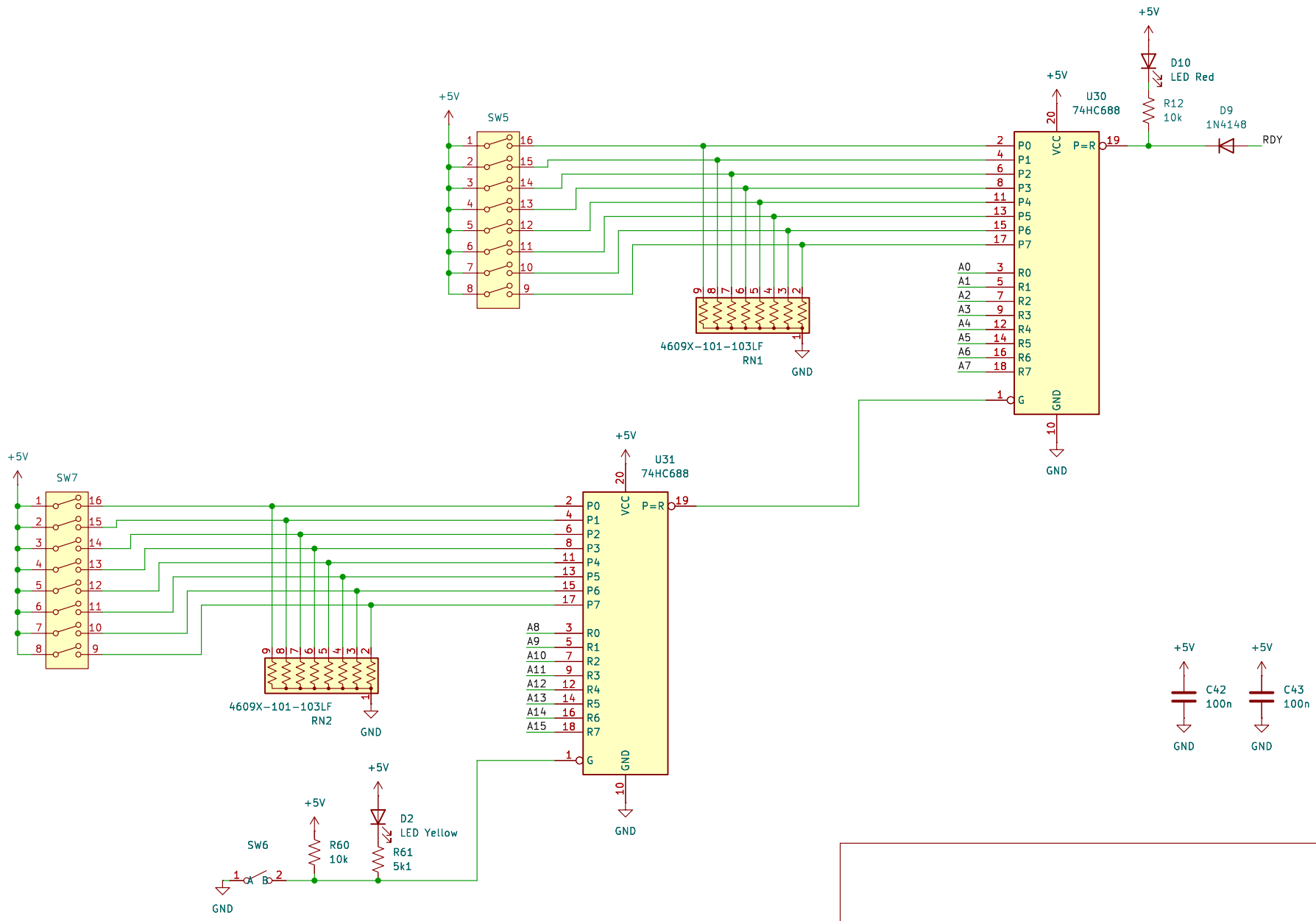




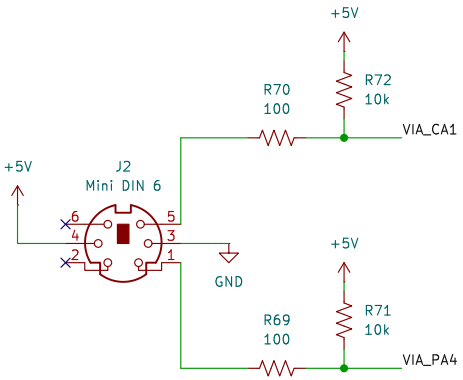




Sheet: /SD Card/ File: sd_card.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 14/17



Sheet: /HW Breakpoint/		
File: hw_breakpoint.kicad_sch		
Title:		
Size: A4	Date:	**Rev:**
KiCad E.D.A. 9.0.6		Id: 15/17

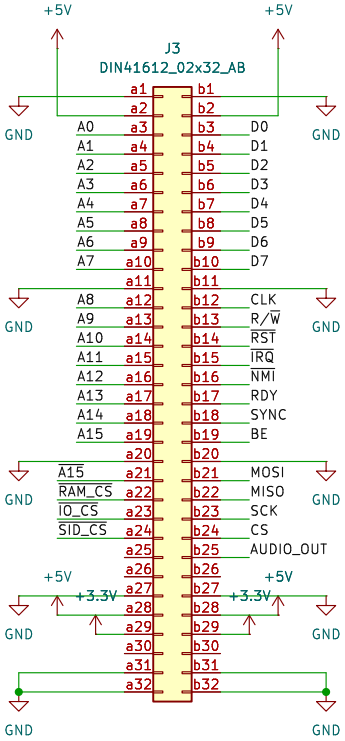


Sheet: /PS2 Keyboard/
File: keyboard.kicad_sch

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