

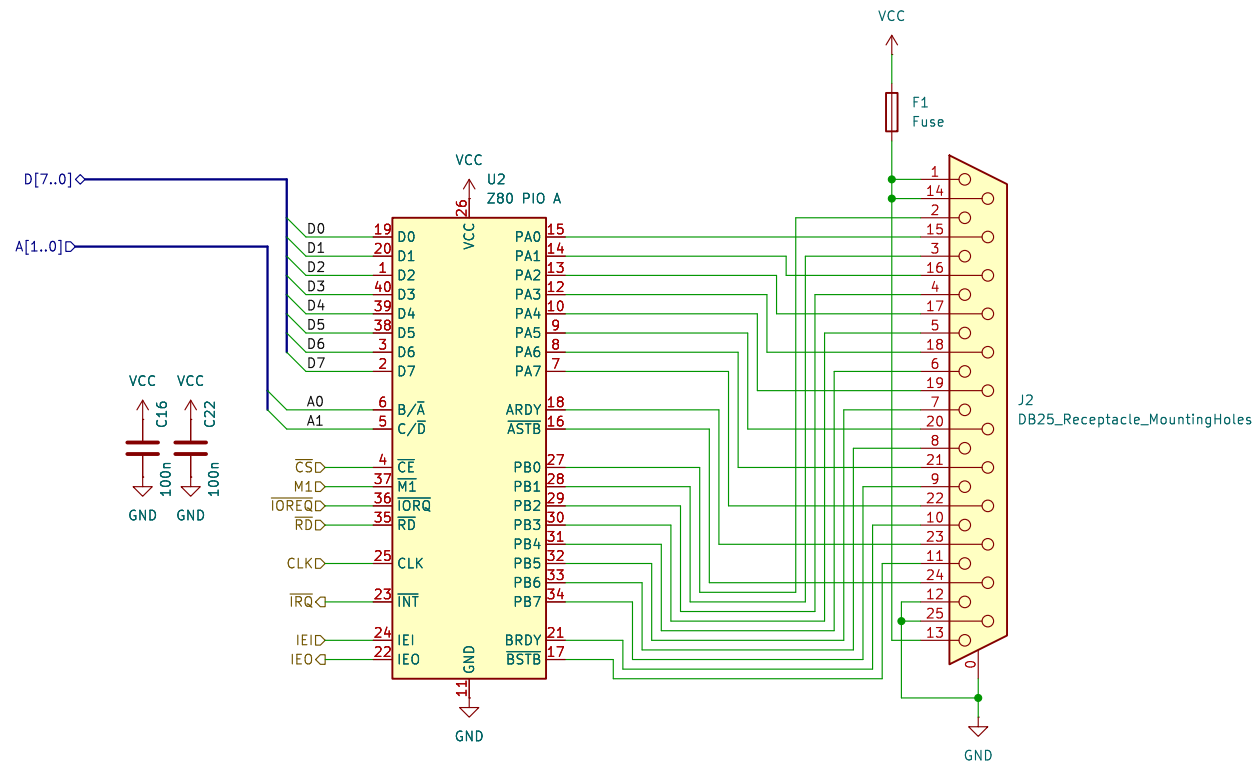
A.K.

Sheet: /
File: zak181.kicad_sch

Title: ZAK181 Single Board Computer

Size: A4 Date: 2025-06-18
KiCad E.D.A. 9.0.1

Rev: B
Id: 1/11



A.K.

Sheet: /pio/
File: pio.kicad_sch

Title: User port

Size: A4 Date: 2025-06-18

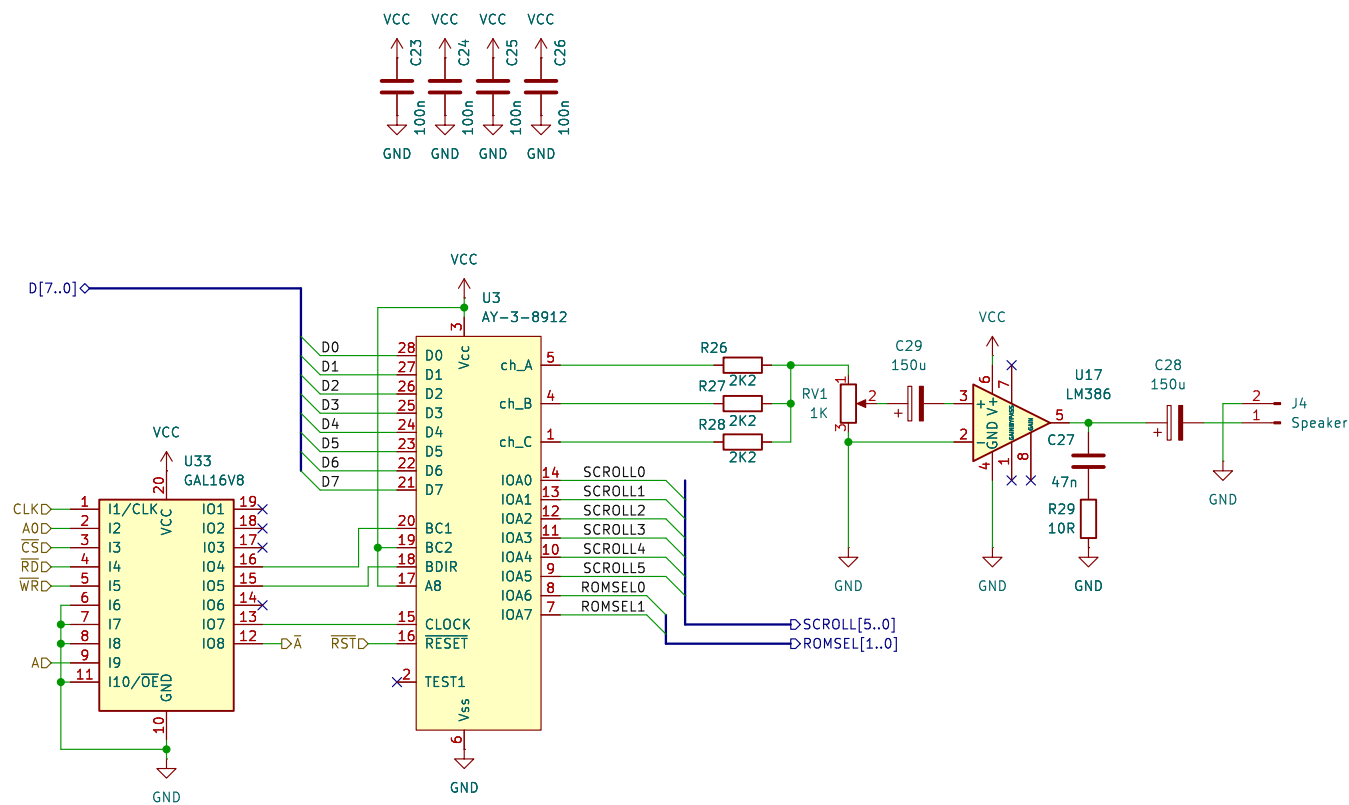
KiCad E.D.A. 9.0.1

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Id: 7/11



```

bdir = !((wr | cs)
bcl = !(!a0 | cs | (rd & wr))

```

cs	rd	wr	A0	BDIR	BC1
0	0	1	0	0	1 - READ
0	0	1	1	0	0 - INACTIVE
0	1	0	0	1	1 - LATCH
0	1	0	1	1	0 - WRITE

A.K.

Sheet: /sound/
File: sound.kicad_sch

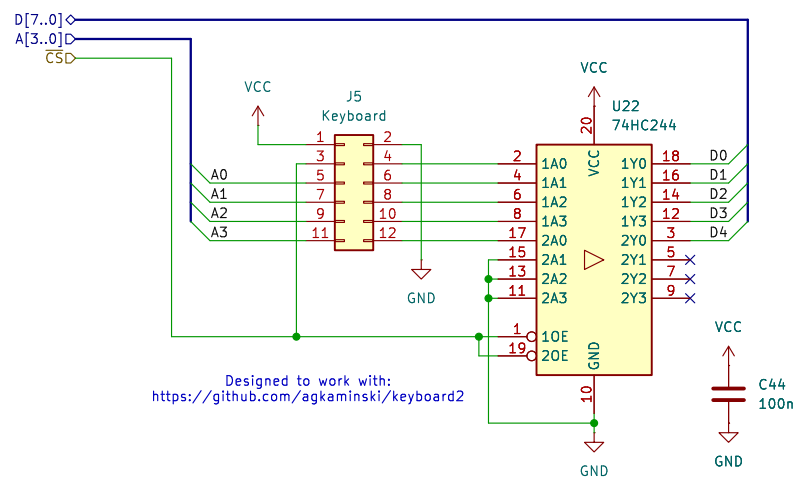
Title: Sound

Size: A4 Date: 2025-06-18

KiCad E.D.A. 9.0.1

Rev: B

Id: 7/11



A.K.

Sheet: /keyboard/
 File: keyboard.kicad_sch

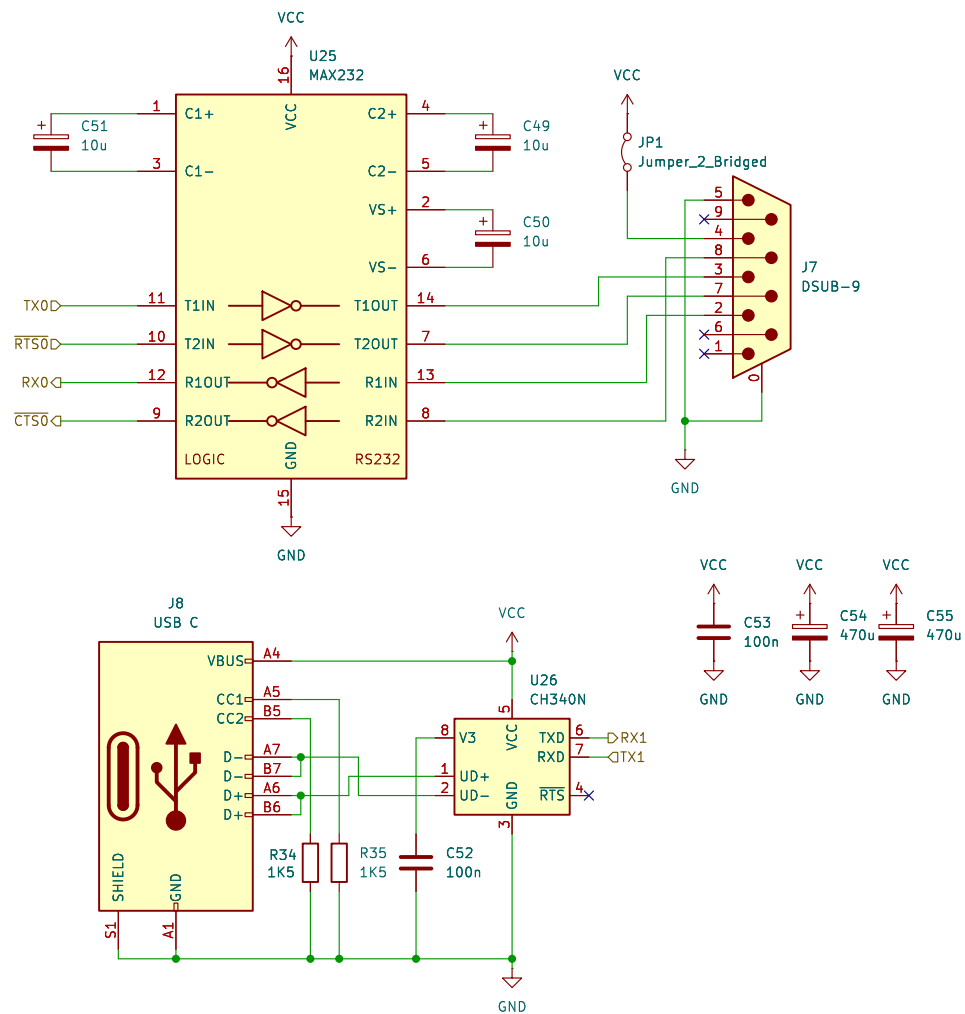
Title: Keyboard

Size: A4 Date: 2025-06-18

KiCad E.D.A. 9.0.1

Rev: B

Id: 8/11



A.K.

Sheet: /serial/
File: serial.kicad_sch

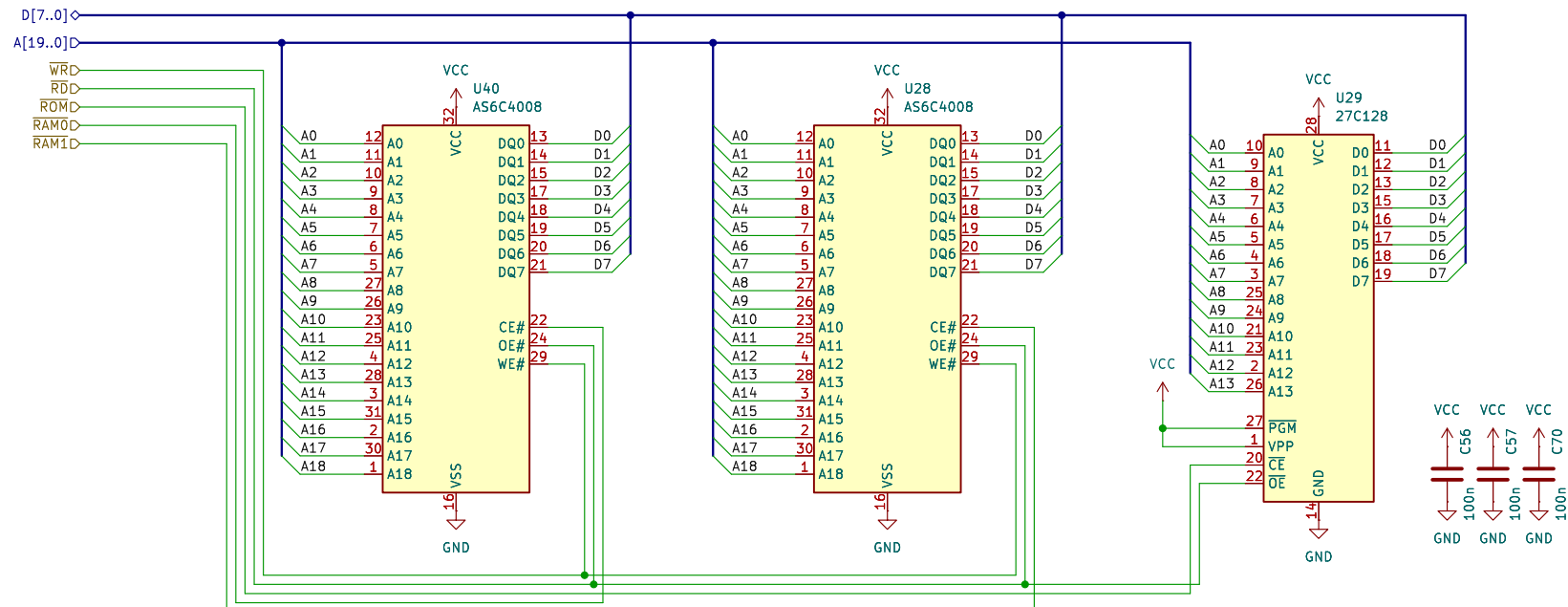
Title: UART

Size: A4 Date: 2025-06-18

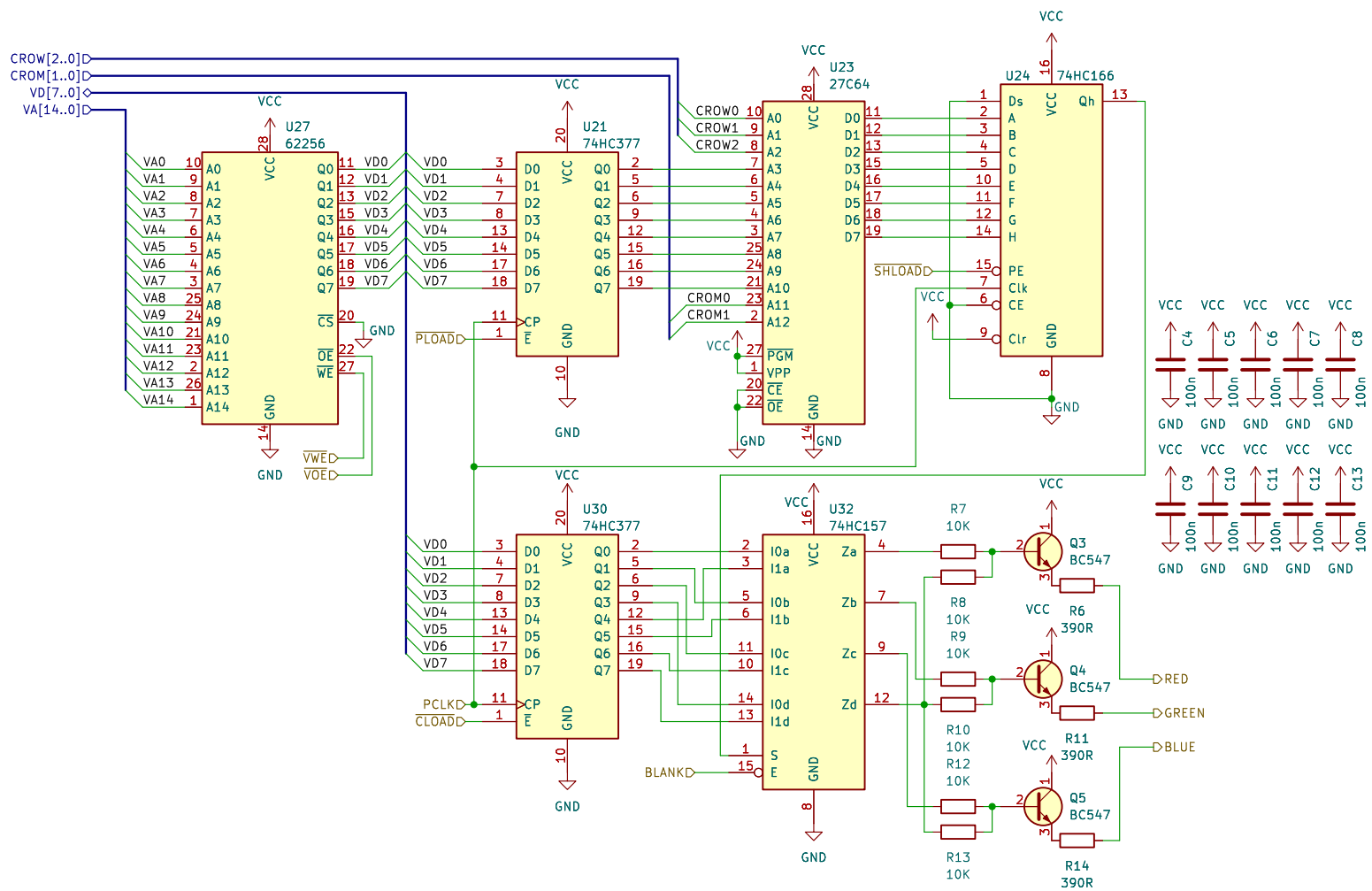
KiCad E.D.A. 9.0.1

Rev: B

Id: 9/11



Id: 12/11



A.K.

Sheet: /vga/vga_datapath/
File: vga_datapath.kicad_sch

Title: VGA datapath

Size: A4 Date: 2025-06-18

KiCad E.D.A. 9.0.1

Rev: B

Id: 11/11