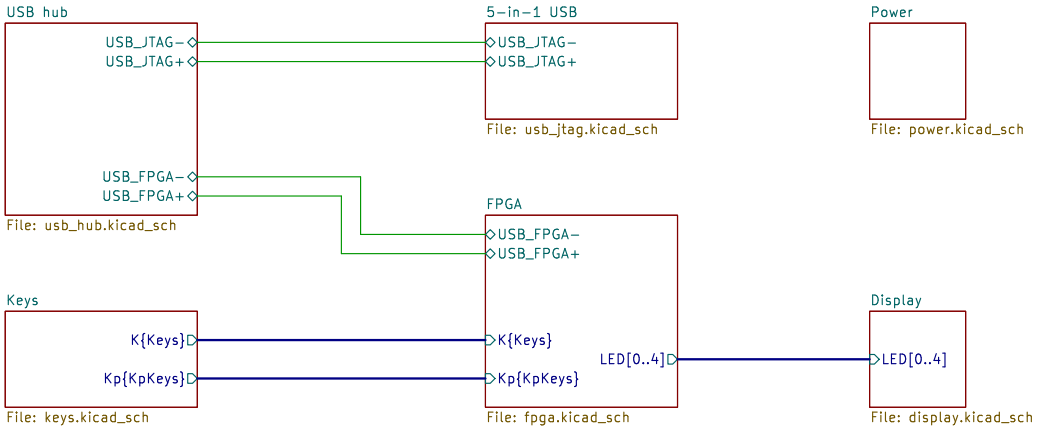

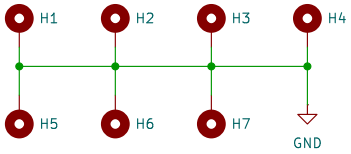

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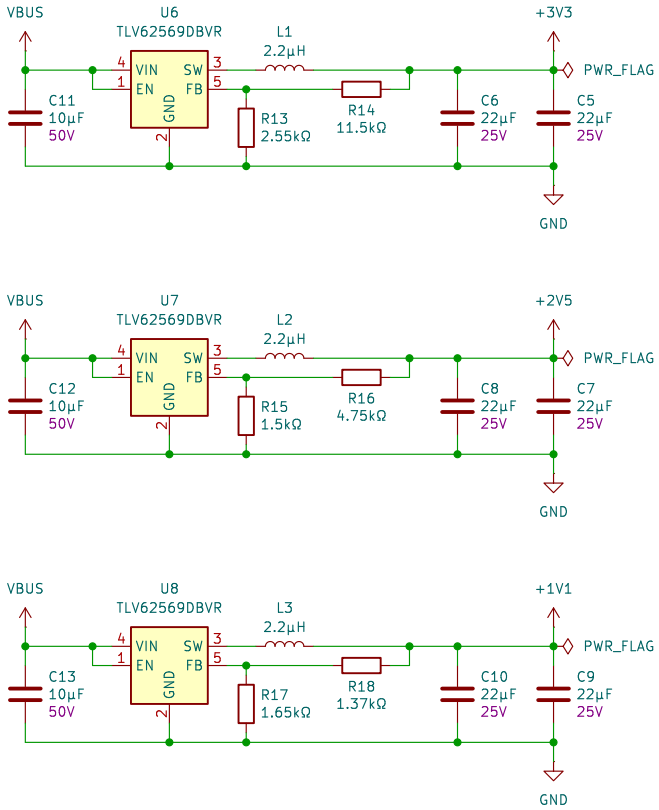
Sheet: /
File: clavier.kicad_sch

Title: Clavier — Overview

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 1/13



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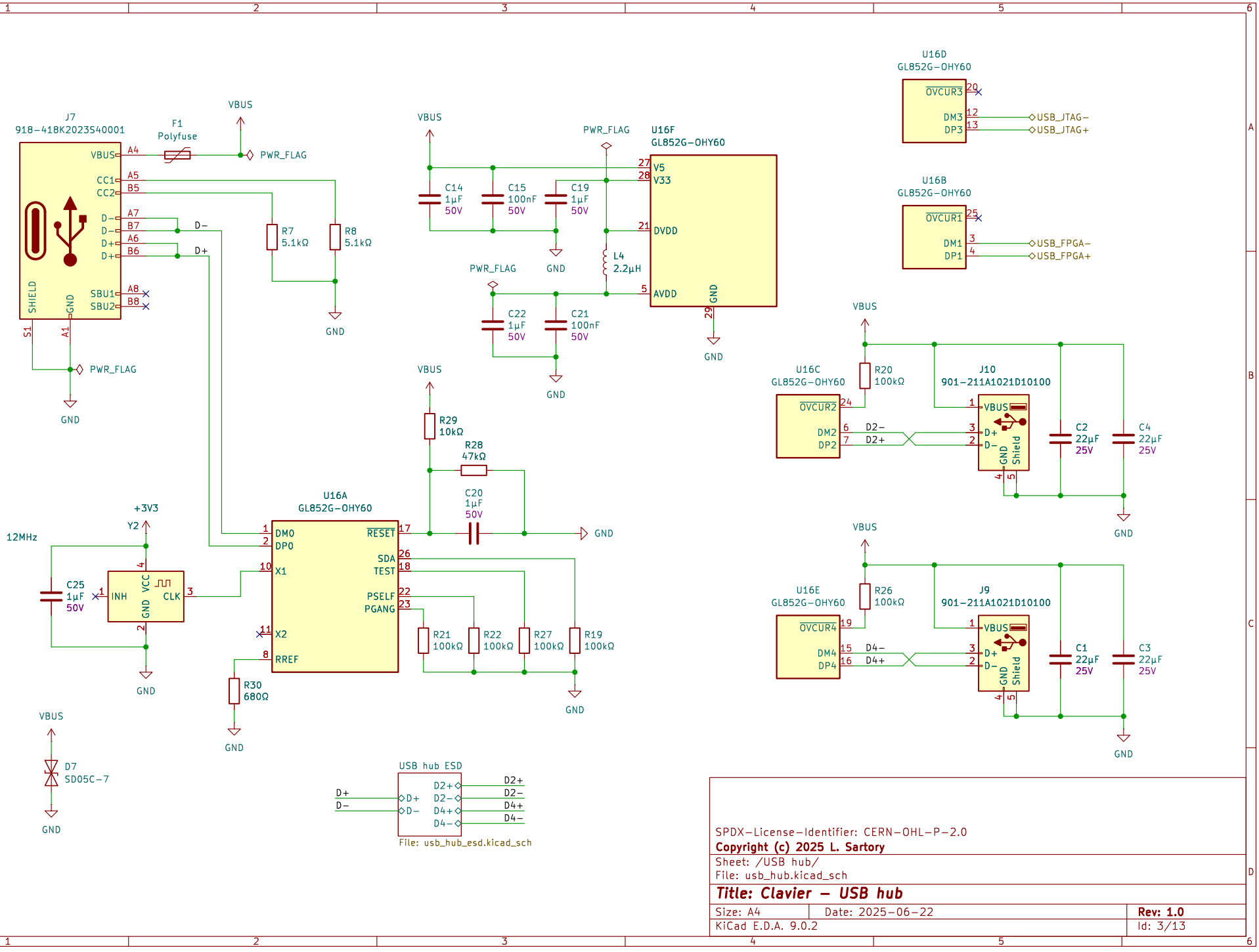
Sheet: /Power/
File: power.kicad_sch

Title: Clavier – Power supplies

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 2/13



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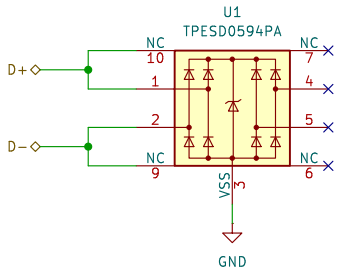
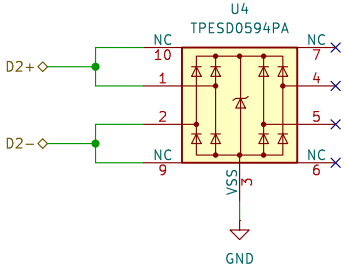
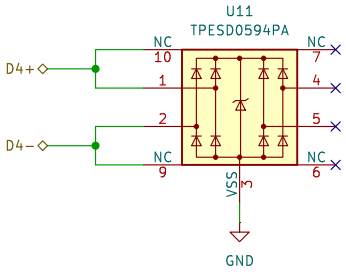
Sheet: /USB hub/
File: usb_hub.kicad_sch

Title: Clavier — USB hub

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 3/13







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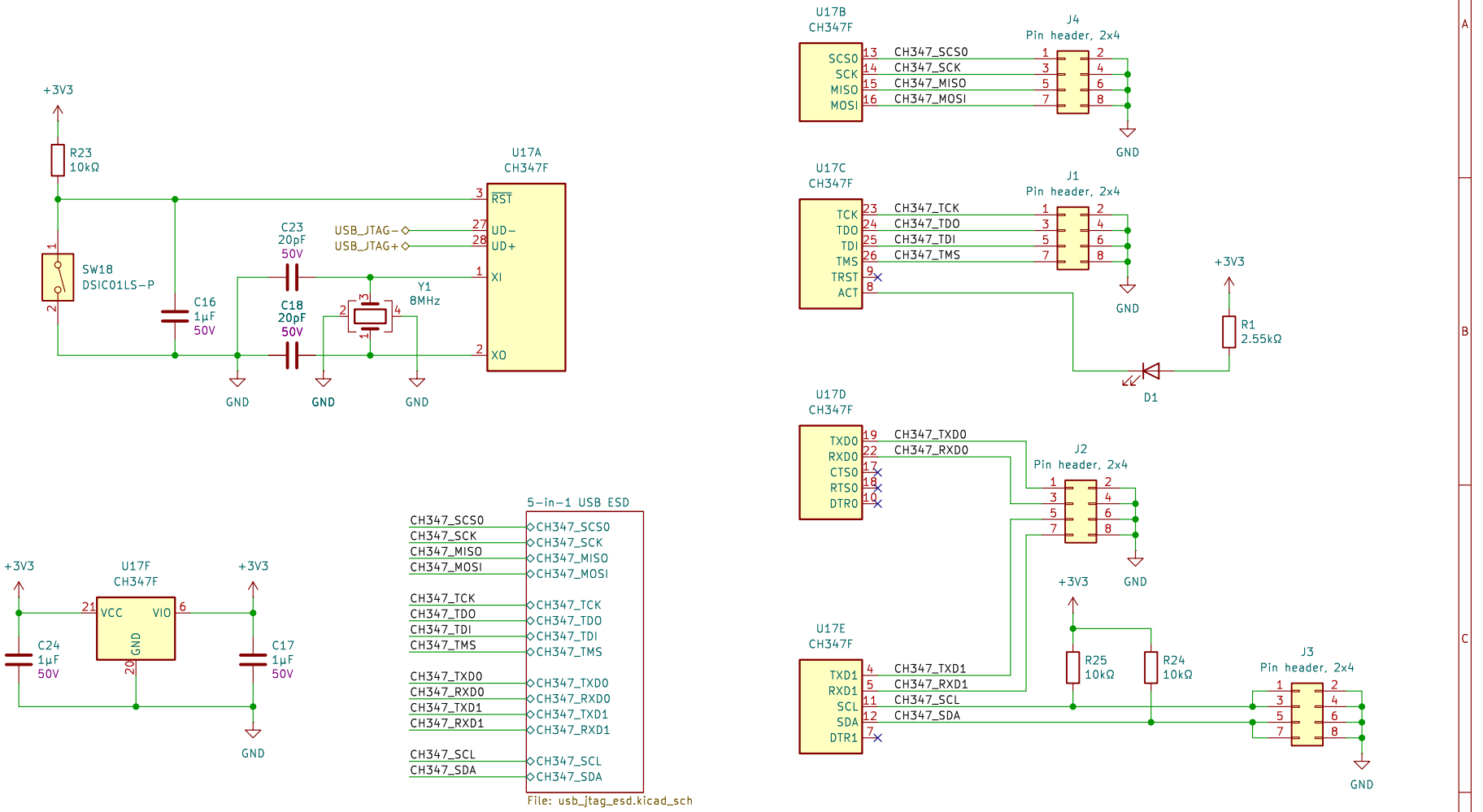
Sheet: /USB hub/USB hub ESD/
File: usb_hub_esd.kicad_sch

Title: Clavier – USB hub ESD protection

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 4/13



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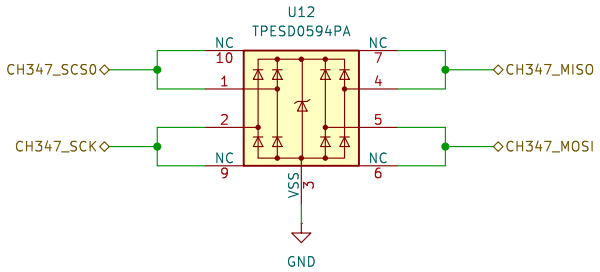
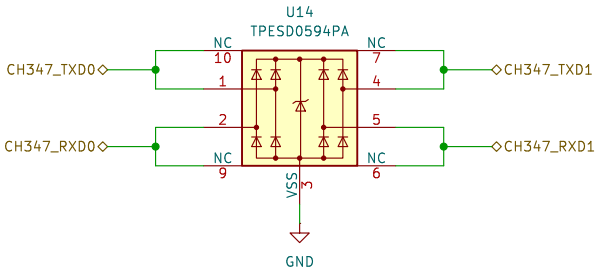
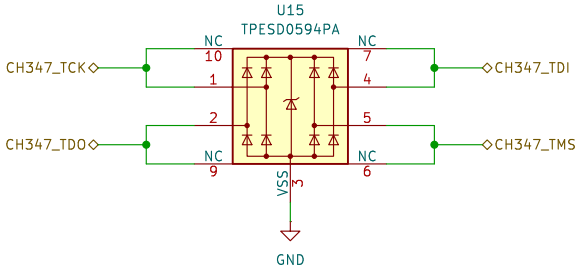
Sheet: /5-in-1 USB/
File: usb_jtag.kicad_sch

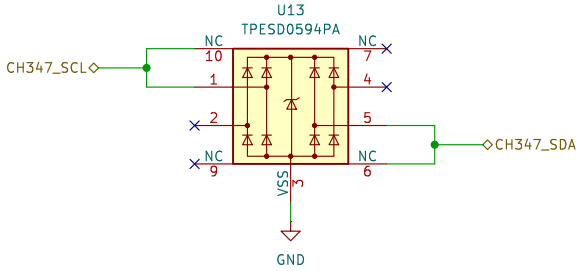
Title: Clavier – 5-in-1 USB

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 5/13









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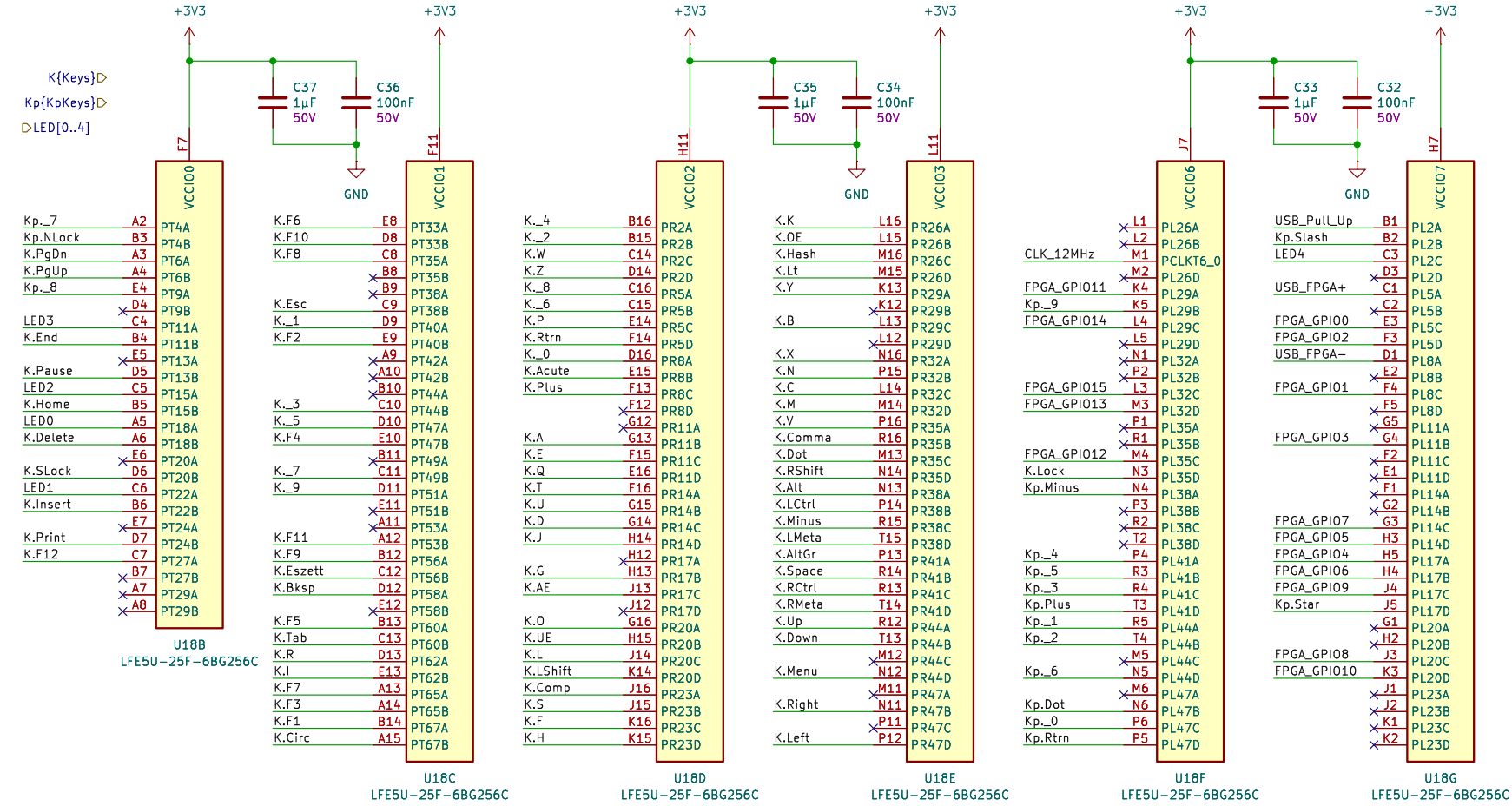
Sheet: /5-in-1 USB/5-in-1 USB ESD/
File: usb_jtag_esd.kicad_sch

Title: Clavier – 5-in-1 USB ESD protection

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 6/13



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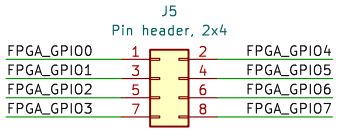
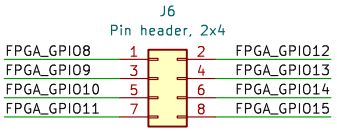
Sheet: /FPGA/
File: fpga.kicad_sch

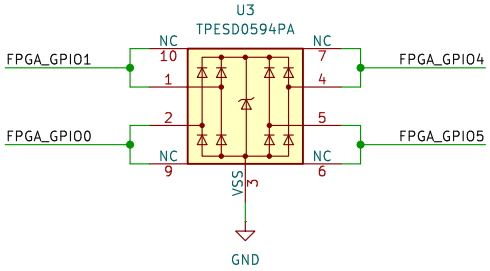
Title: Clavier – FPGA

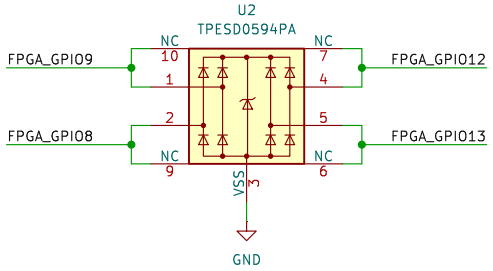
Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 7/13

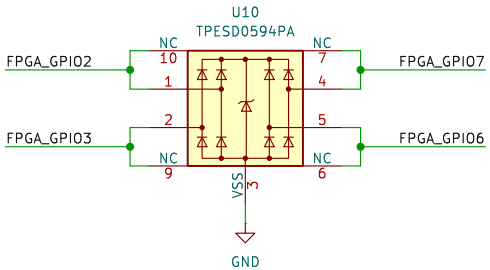
FPGA_GPIO[0..15]

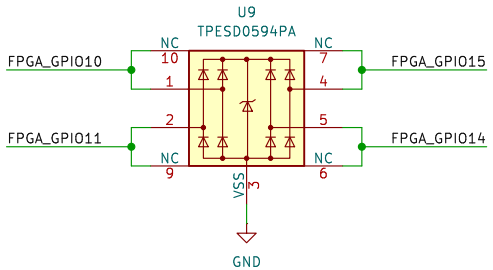












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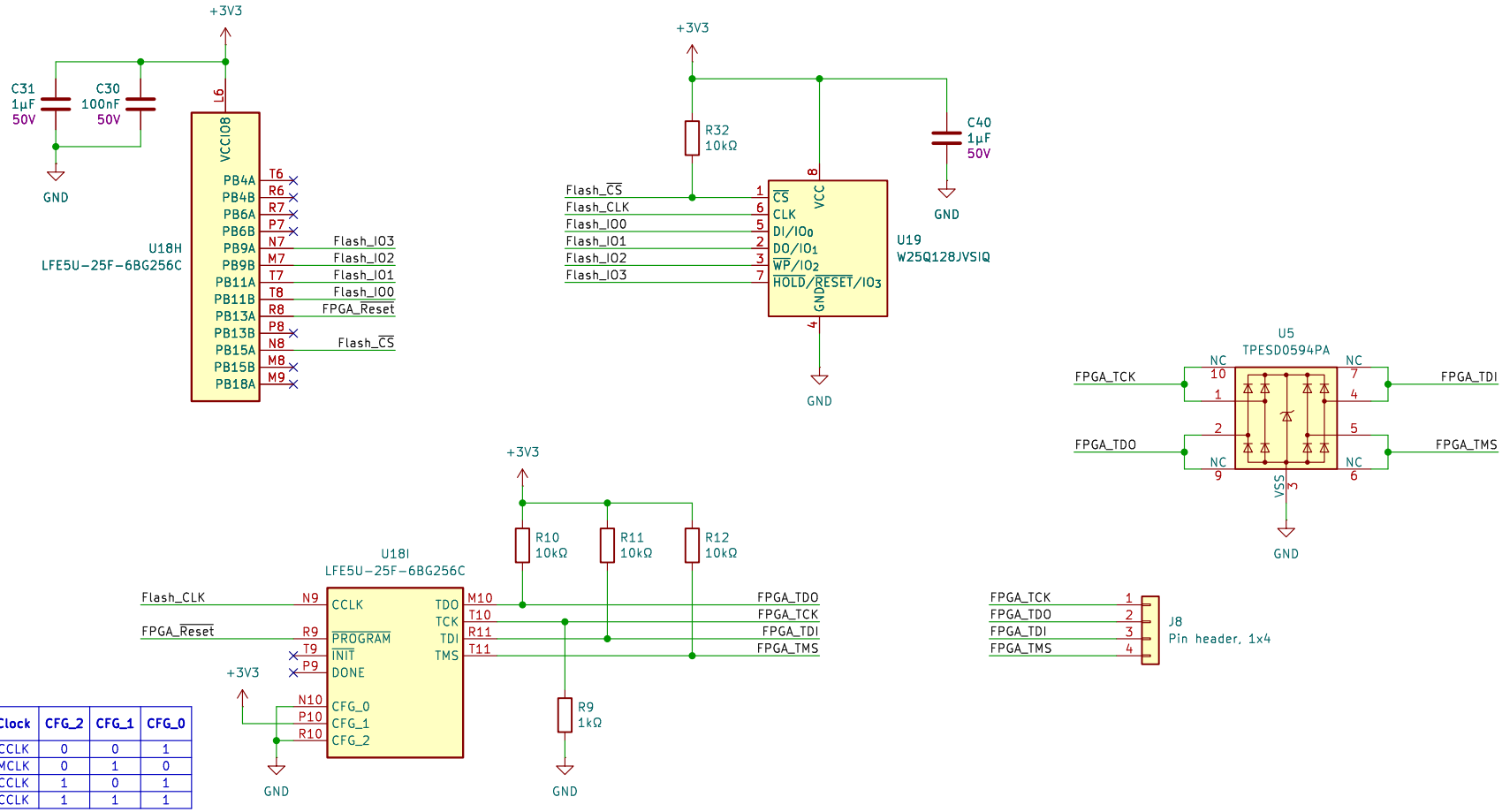
Sheet: /FPGA/FPGA GPIOs/
File: fpga_gpio.kicad_sch

Title: Clavier – FPGA GPIOs

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 8/13



Configuration Mode	Clock	CFG_2	CFG_1	CFG_0
SSPI	CCLK	0	0	1
MSPI	MCLK	0	1	0
SCM	CCLK	1	0	1
SPCM	CCLK	1	1	1

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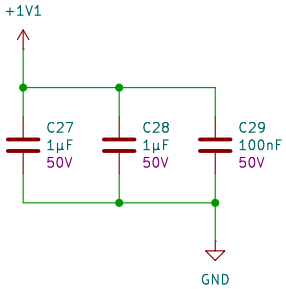
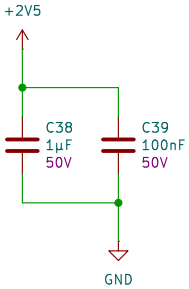
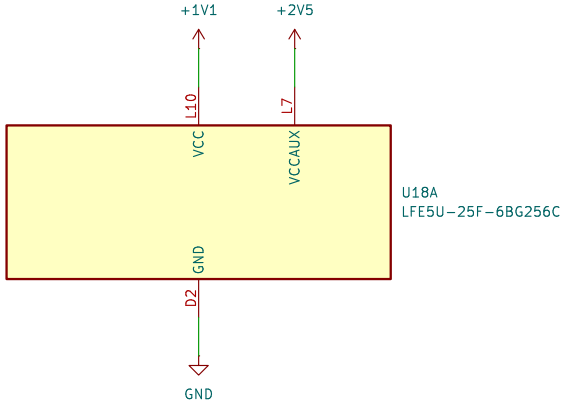
Sheet: /FPGA/FPGA config/
File: fpga_config.kicad_sch

Title: Clavier – FPGA configuration

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 9/13







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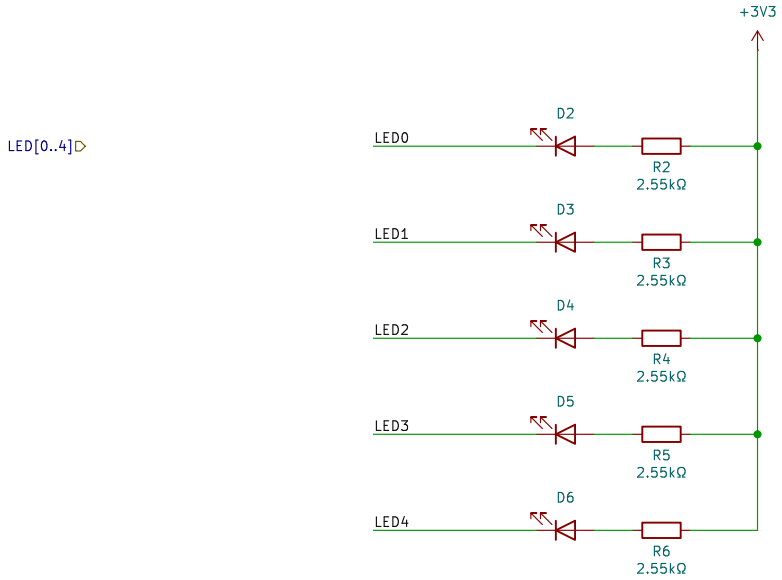
Sheet: /FPGA/FPGA power/
File: fpga_power.kicad_sch

Title: Clavier – FPGA power

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 10/13



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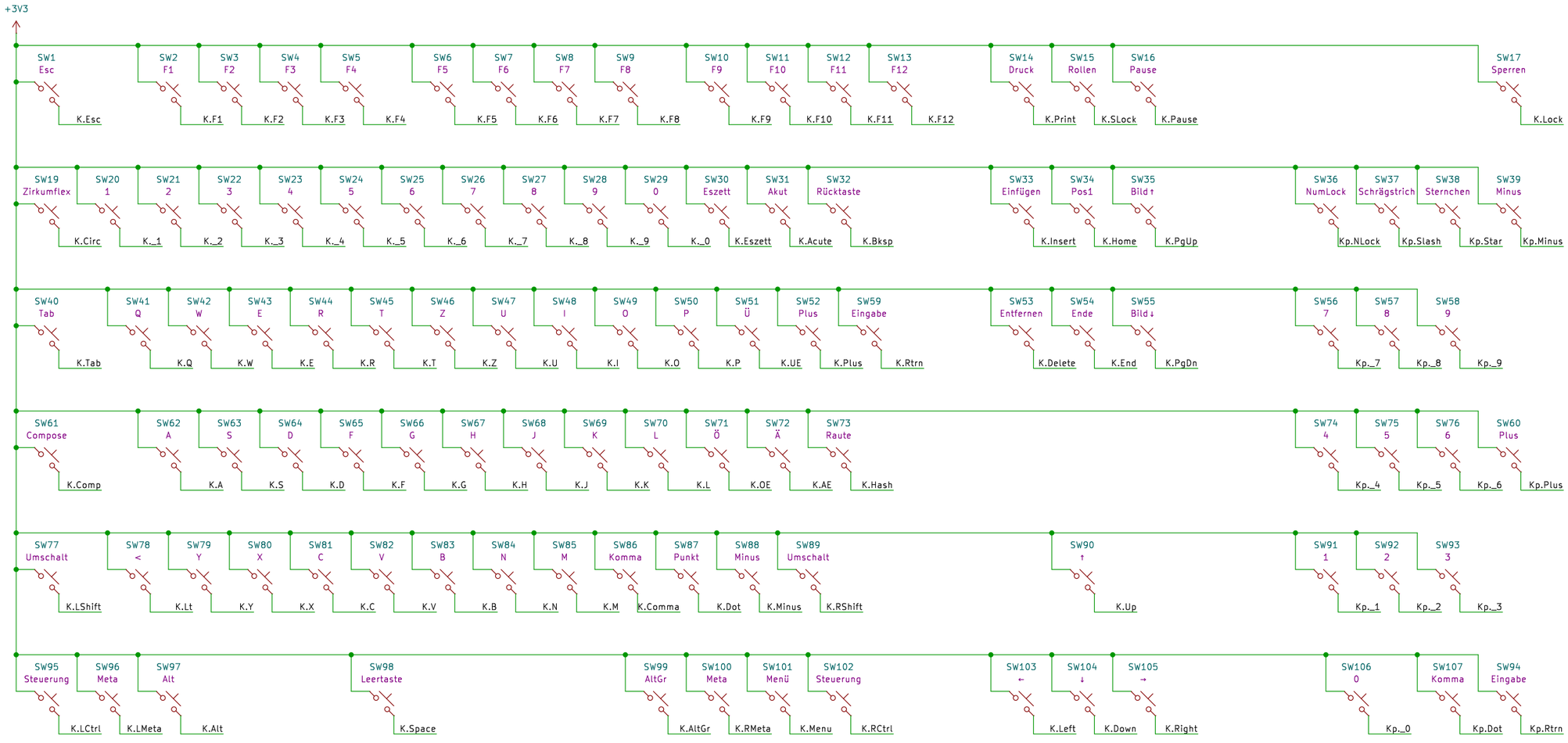
Sheet: /Display/
File: display.kicad_sch

Title: Clavier – Display

Size: A4	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 11/13



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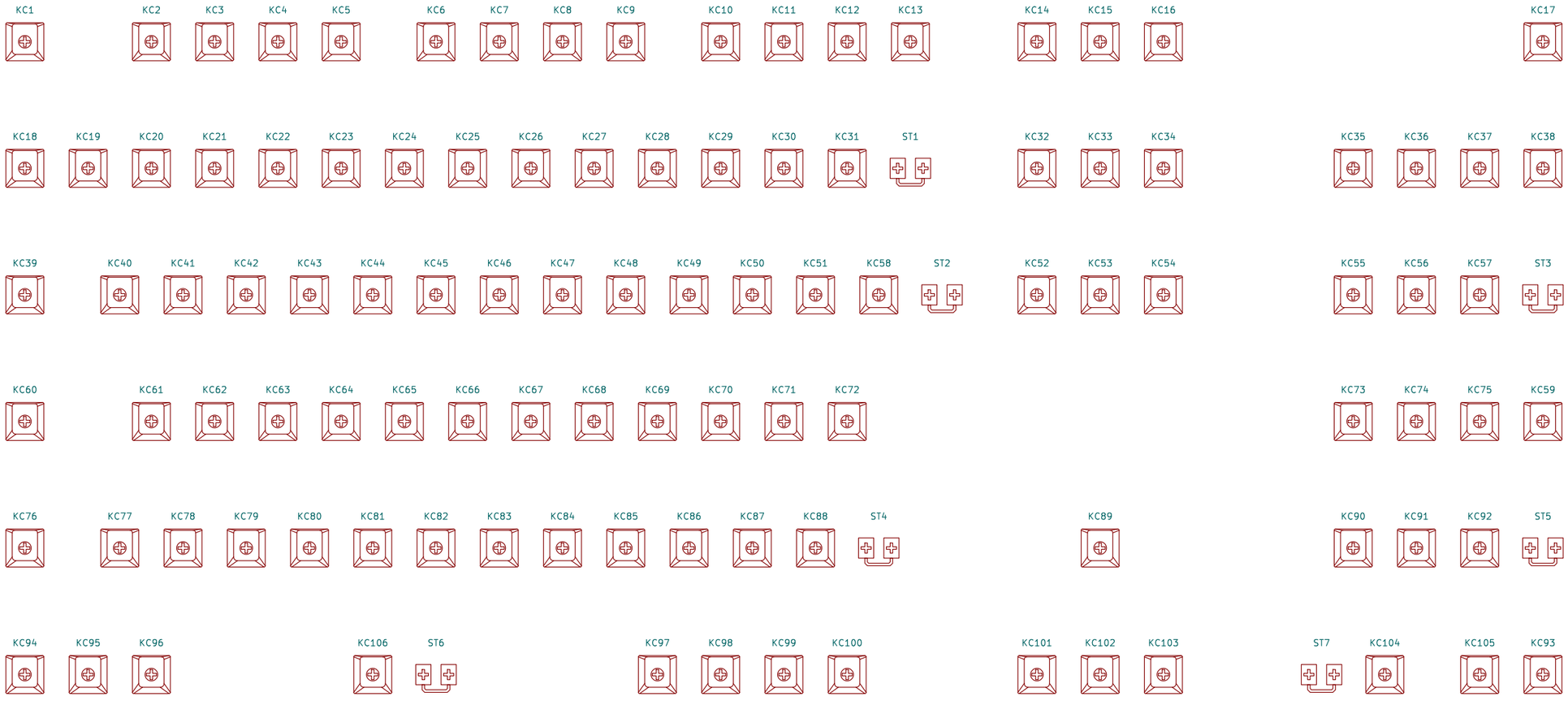
Sheet: /Keys/
File: keys.kicad_sch

Title: Clavier – Keys

Size: A3	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 12/13



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Sheet: /Keys/Keycaps/
File: keycaps.kicad_sch

Title: Clavier — Keycaps

Size: A3	Date: 2025-06-22	**Rev: 1.0**
KiCad E.D.A. 9.0.2		Id: 13/13