Artsey Ergo - Schematic

In Development

v1.0.0
2024-12-04

nRF52840-based Pro Micro compatible 8 key keyboard with under-key LEDs.

Block Diagram

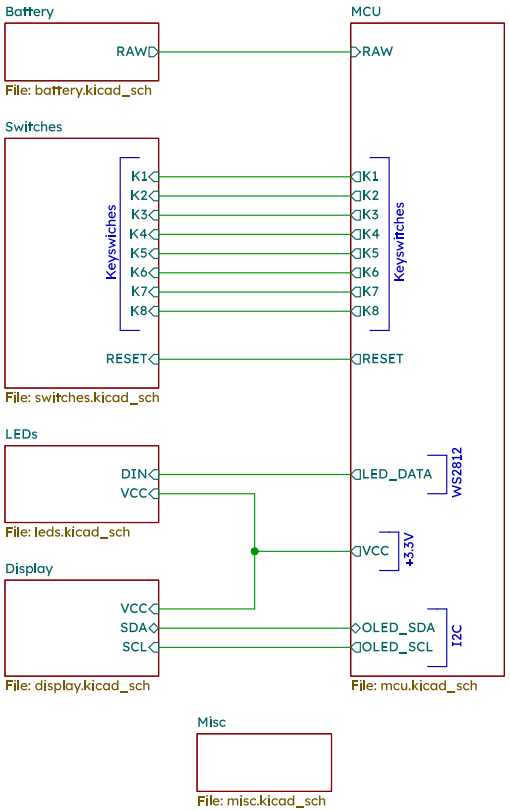
File: block_diagram.kicad_sch

Features

- Supports Artsey and Taipo layouts
- Powered by USB or LiPo battery
- Power switch for battery
- Supports any Pro Micro compatible MCUs (firmware modification may be requred)
- 128x64 monochrome OLED display
- Hotswappable Kailh Choc v1 switches
- Reversible PCB for cost-effective manufacturing

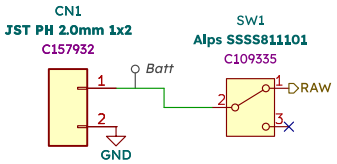
Board Name	Project Name	Engineer	Sheet Title	Sheet Filename and Path	Date	Version	Page Size	Sheet
Artsey Ergo - Schematic	Artsey Ergo	TMShader	Artsey Ergo - Schematic -	/ artsey_ergo.kicad_sch	2024-12-04	v1.0.0	A4	1 of 8

Block Diagram



Board Name	Project Name	Engineer	Sheet Title	Sheet Filename and Path	Date	Version	Page Size	Sheet
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - Block Diagram	/Block Diagram/ block_diagram.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**2 of 8**

Battery



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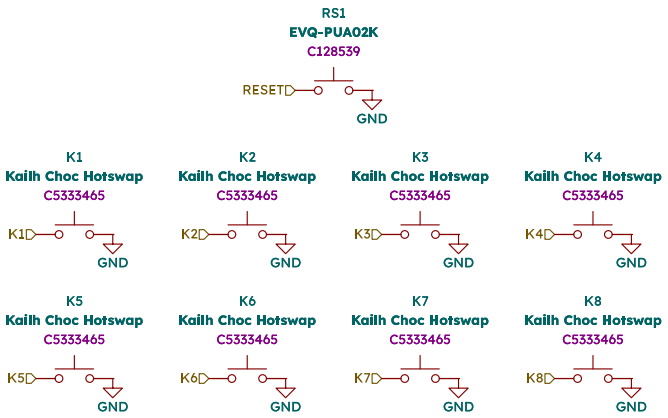
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - Battery	/Block Diagram/Battery/battery.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**3 of 8**

Switches



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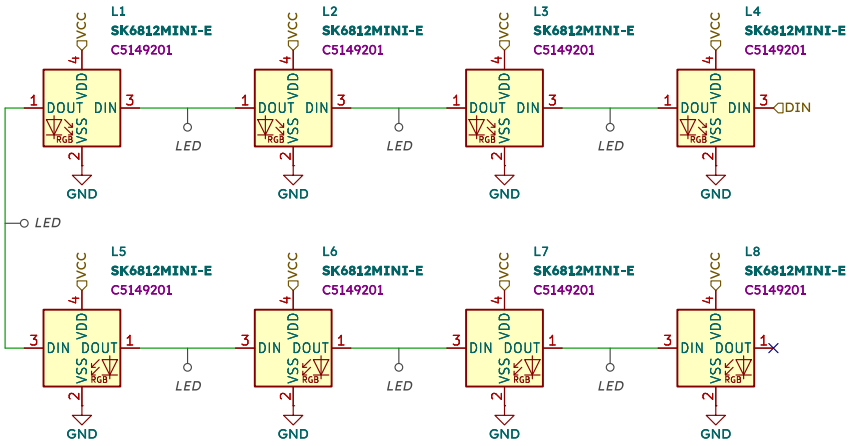
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - Switches	/Block Diagram/Switches/switches.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**4 of 8**

LEDs



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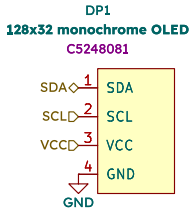
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - LEDs	/Block Diagram/LEDs/leds.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**5 of 8**

Display



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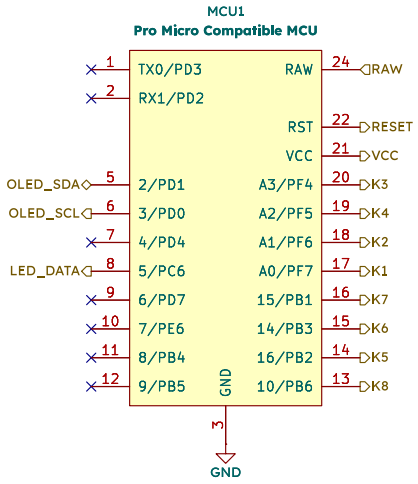
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - Display	/Block Diagram/Display/ display.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**6 of 8**

MCU



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Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - MCU	/Block Diagram/MCU/ mcu.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**7 of 8**

Misc

Board Name	Project Name	Engineer	Sheet Title	Sheet Filename and Path	Date	Version	Page Size	Sheet
Artsey Ergo	**Artsey Ergo**	**TMShader**	Artsey Ergo - Misc	/Block Diagram/Misc/misc.kicad_sch	2024-12-04	**v1.0.0**	**A4**	**8 of 8**