RA8 SoC IO

File: ra8_soc_io.kicad_sch

Flash

File: Flash.kicad_sch

Power

File: power.kicad_sch

USB

File: usb.kicad_sch

JTAG

File: jtag.kicad_sch

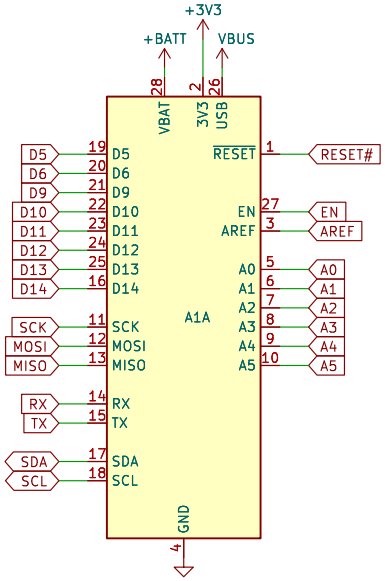
LiPo Charger

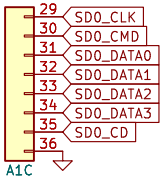
File: lipo_charger.kicad_sch

CMOS Camera

File: cmos_camera.kicad_sch

# Feather Pinout




Zalmotek

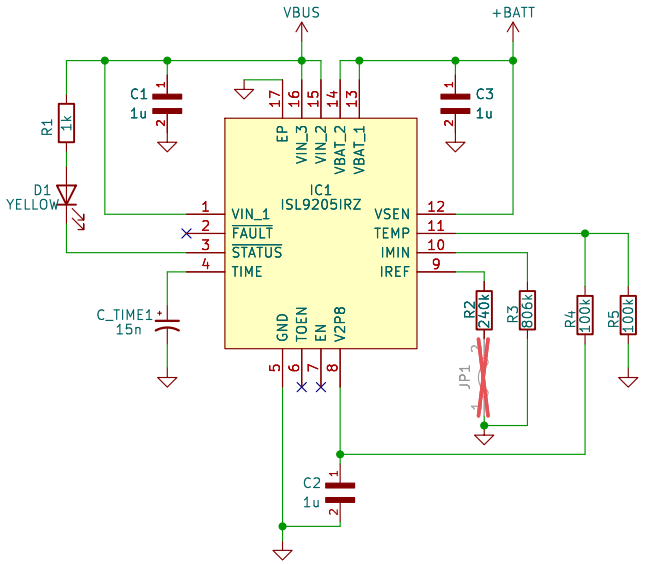
Sheet: /

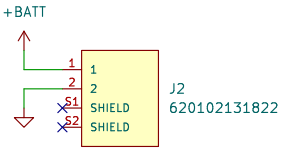
File: Feather-RA8M1.kicad_sch

**Title: RA8M1 Feather SOM**

| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
|---|---|---|
| KiCad E.D.A. 8.0.9 | | Id: 1/8 |

# LiPo Charging

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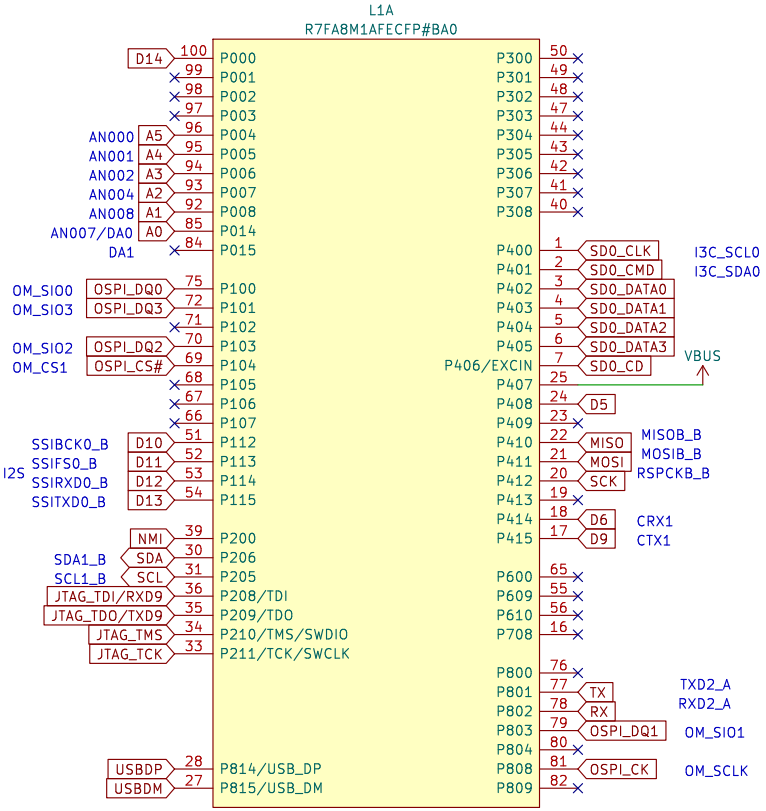
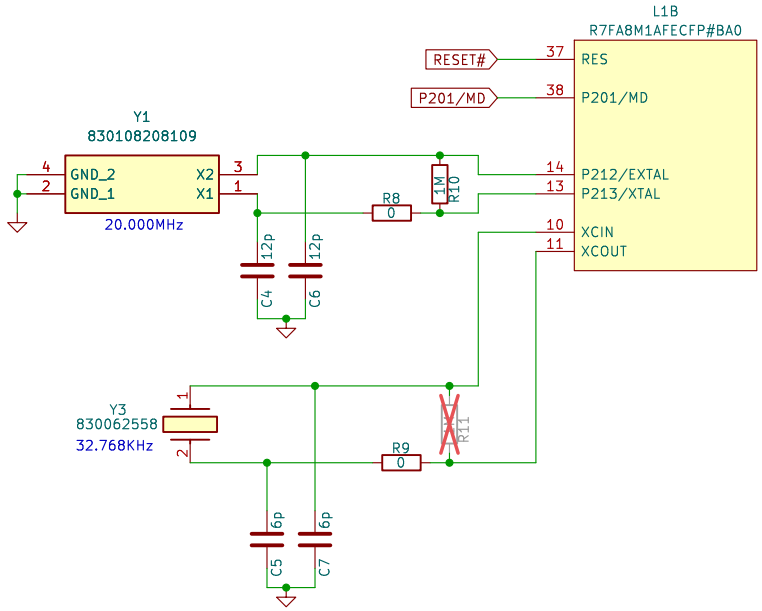
|---|---|---|
| **Zalmotek** | | |
| Sheet: /LiPo Charger/<br>File: lipo_charger.kicad_sch | | |
| ***Title: RA8M1 Feather SOM*** | | |
| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
| KiCad E.D.A. 8.0.9 | | Id: 2/8 |

# RA8 SoC IO




Zalmotek

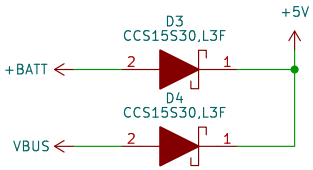
Sheet: /RA8 SoC IO/

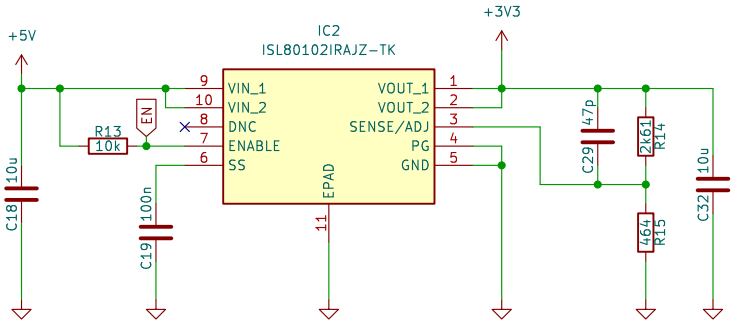
File: ra8_soc_io.kicad_sch

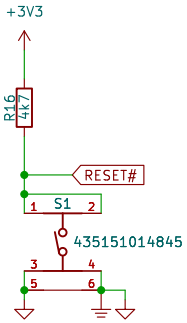
**Title: RA8M1 Feather SOM**

| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
|---|---|---|
| KiCad E.D.A. 8.0.9 | | Id: 3/8 |

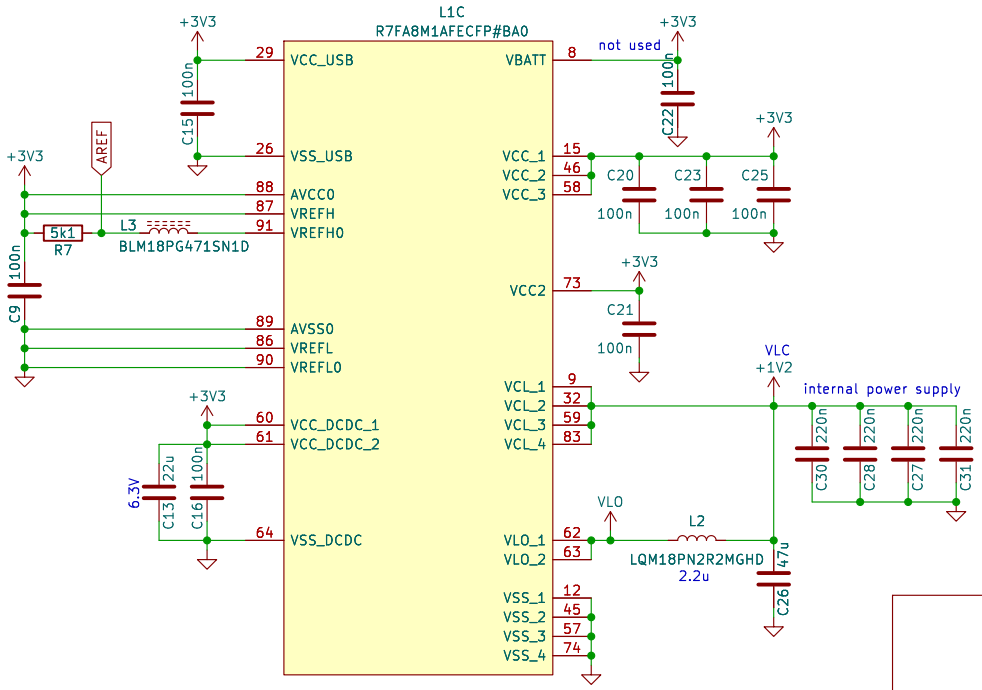
# Power




There is no need to use an external capacitor on the RES# line because the POR cir
for a good reset and a minimum reset pulse is required to initiate this process.



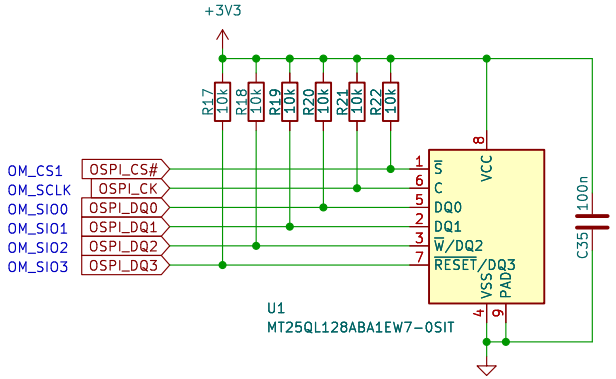

**Zalmotek**

Sheet: /Power/
File: power.kicad_sch

***Title: RA8M1 Feather SOM***

| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
|---|---|---|
| KiCad E.D.A. 8.0.9 | | Id: 4/8 |

# Flash

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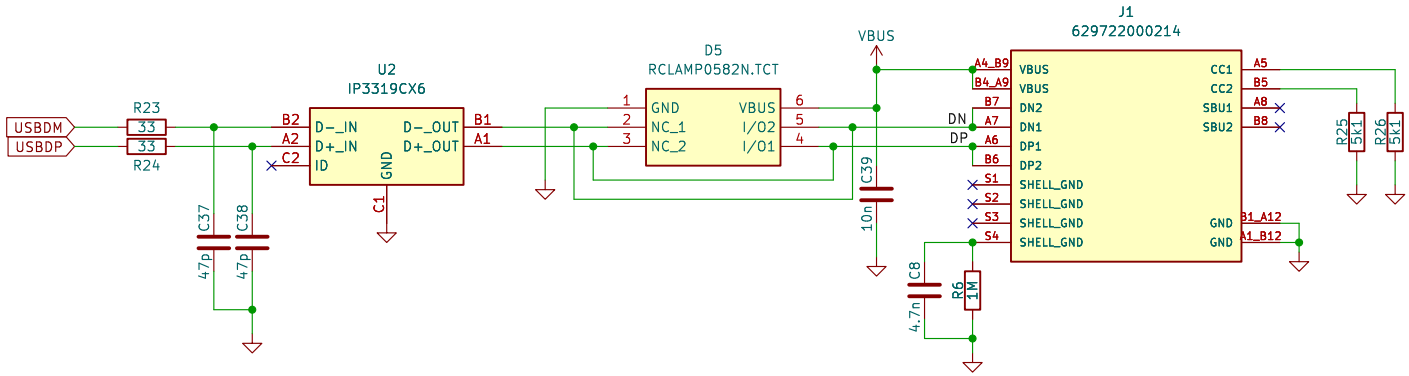
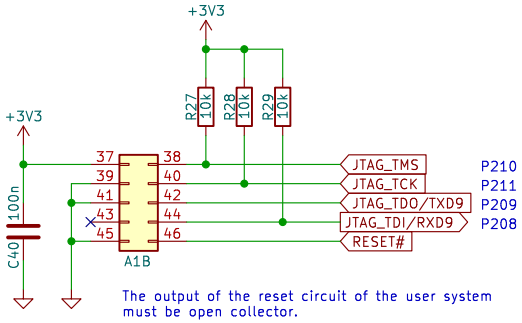
|---|---|---|
| Zalmotek | | |
| Sheet: /Flash/<br>File: Flash.kicad_sch | | |
| *Title: RA8M1 Feather SOM* | | |
| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
| KiCad E.D.A. 8.0.9 | | Id: 5/8 |

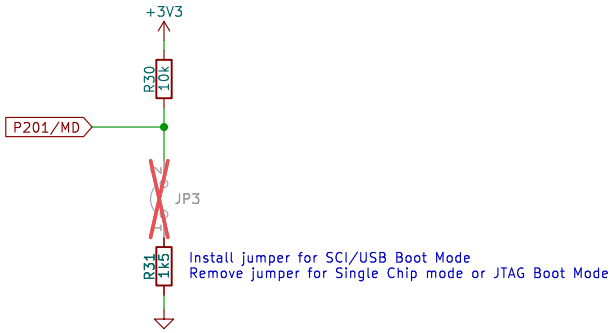
# USB




| | | |
|---|---|---|
| Zalmotek | | |
| Sheet: /USB/ | | |
| File: usb.kicad_sch | | |
| **Title: RA8M1 Feather SOM** | | |
| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
| KiCad E.D.A. 8.0.9 | | Id: 6/8 |

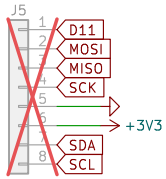
# JTAG




| | | |
|---|---|---|
| Zalmotek | | |
| Sheet: /JTAG/<br>File: jtag.kicad_sch | | |
| ***Title: RA8M1 Feather SOM*** | | |
| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
| KiCad E.D.A. 8.0.9 | | Id: 7/8 |

# CMOS Camera




Zalmotek

Sheet: /CMOS Camera/
File: cmos_camera.kicad_sch

**Title: RA8M1 Feather SOM**

| Size: A4 | Date: 2024-03-13 | **Rev: v1.0** |
|---|---|---|
| KiCad E.D.A. 8.0.9 | | Id: 8/8 |