

|                    |                                                                                                                                                                                                                                                                                                                              |                                                                         |                                                         |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|---------------------------------------------------------|---|---|--------|--|--|--------------|--|----------|-------|---------|------|--|--------------------|--|--|---------|--|
| 1                  | 2                                                                                                                                                                                                                                                                                                                            | 3                                                                       | 4                                                       | 5 | 6 |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| A                  |                                                                                                                                                                                                                                                                                                                              |                                                                         |                                                         |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| B                  | <div>01 Descriptions</div> <div>File: 01 Descriptions.kicad_sch</div>                                                                                                                                                                                                                                                        | <div>02 Block Diagram</div> <div>File: 02 Block Diagram.kicad_sch</div> | <div>03 Power</div> <div>File: 03 Power.kicad_sch</div> |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| C                  | <div>04 RA4M1</div> <div>File: 04 RA4M1.kicad_sch</div>                                                                                                                                                                                                                                                                      |                                                                         |                                                         |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| D                  | <div>seeed studio</div> <div>Sheet: /<br/>File: XIAO RA4M1.kicad_sch</div> <table><tr><td colspan="3">Title:</td><td colspan="2">CC BY-SA 4.0</td></tr><tr><td>Size: A4</td><td>Date:</td><td>Design:</td><td colspan="2">Rev:</td></tr><tr><td colspan="3">KiCad E.D.A. 8.0.1</td><td colspan="2">Id: 1/5</td></tr></table> |                                                                         |                                                         |   |   | Title: |  |  | CC BY-SA 4.0 |  | Size: A4 | Date: | Design: | Rev: |  | KiCad E.D.A. 8.0.1 |  |  | Id: 1/5 |  |
| Title:             |                                                                                                                                                                                                                                                                                                                              |                                                                         | CC BY-SA 4.0                                            |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| Size: A4           | Date:                                                                                                                                                                                                                                                                                                                        | Design:                                                                 | Rev:                                                    |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| KiCad E.D.A. 8.0.1 |                                                                                                                                                                                                                                                                                                                              |                                                                         | Id: 1/5                                                 |   |   |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |
| 1                  | 2                                                                                                                                                                                                                                                                                                                            | 3                                                                       | 4                                                       | 5 | 6 |        |  |  |              |  |          |       |         |      |  |                    |  |  |         |  |

| Version | Descriptions    | Date     | Name       |
|---------|-----------------|----------|------------|
| v1.0    | Initial version | 2024/6/7 | Linus.Liao |
|         |                 |          |            |

**seed studio**

Sheet: /01 Descriptions/  
File: 01 Descriptions.kicad\_sch

**Title:**

Size: A4

Date:

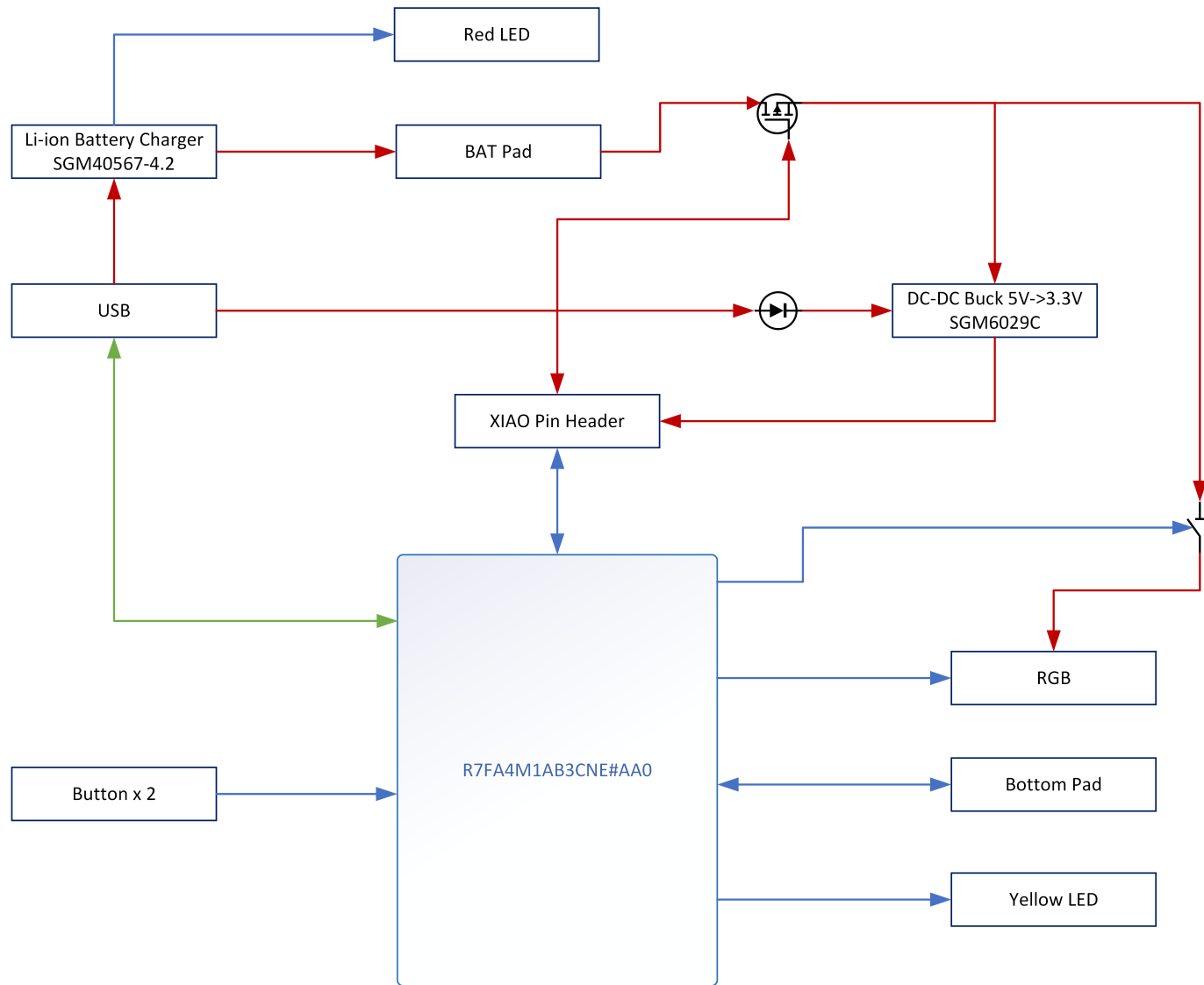
Design:

KiCad E.D.A. 8.0.1

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Rev:

Id: 1/5



**seeed studio**

Sheet: /02 Block Diagram/  
File: 02 Block Diagram.kicad\_sch

**Title:**

Size: A4

Date:

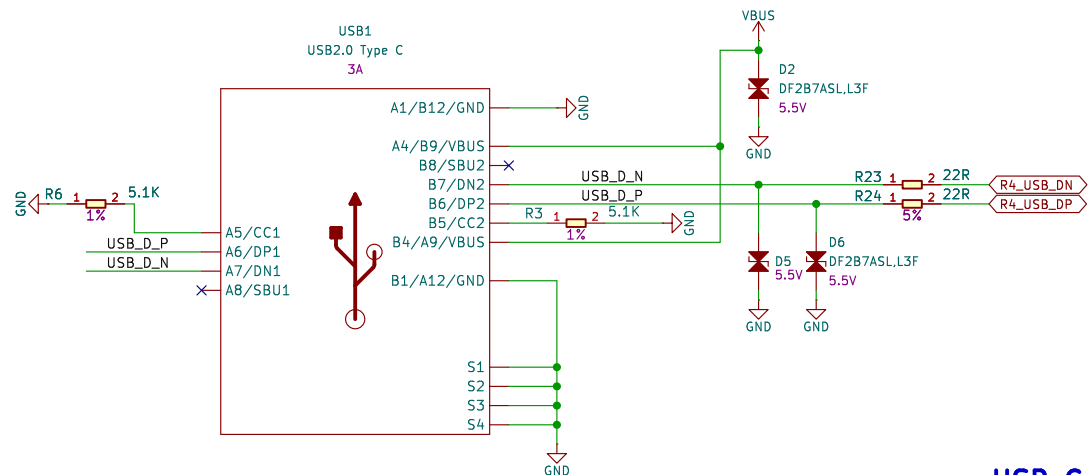
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KiCad E.D.A. 8.0.1

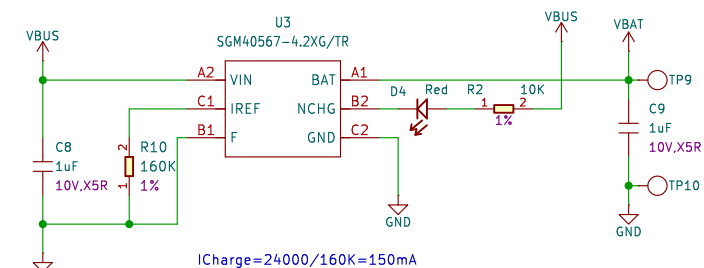
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**Rev:**

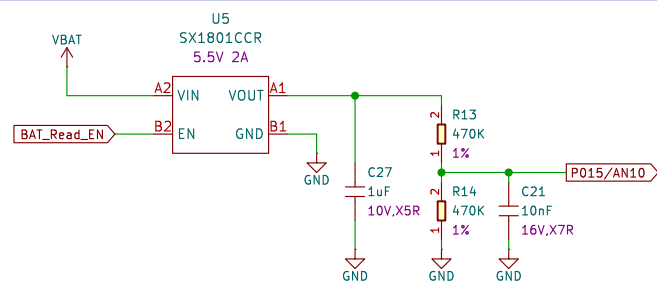
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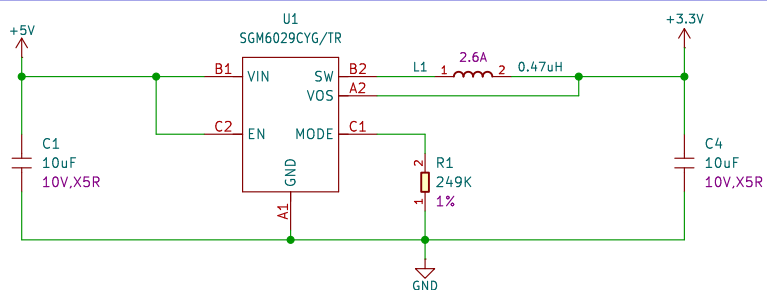
USB C



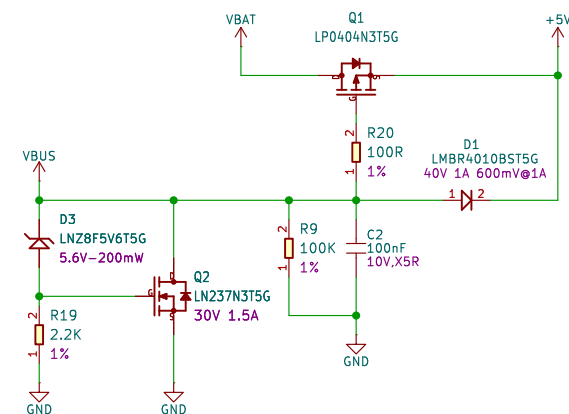
Battery charging circuit



Battery voltage detection



5V→3.3V



Power switching circuit

seeed studio

Sheet: /03 Power/  
File: 03 Power.kicad\_sch

|                    |       |              |         |
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| Size: A4           | Date: | Design:      | Rev:    |
| KiCad E.D.A. 8.0.1 |       |              | Id: 3/5 |

