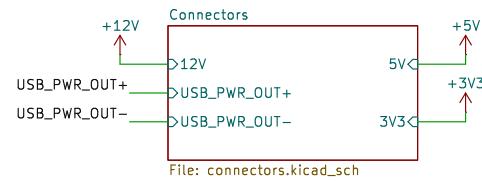
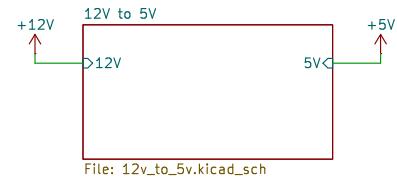


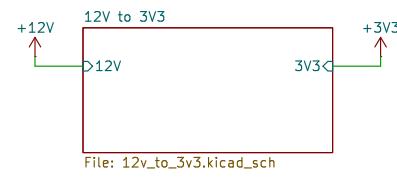
A



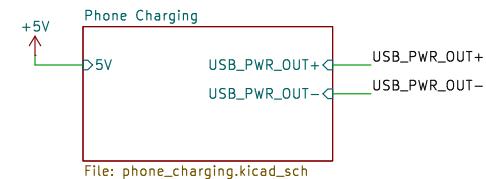
B



C



D



Sheet: /
File: roamr.kicad_sch

Title: ROAMR power

Size: USLetter | Date: 2026-01-18
KiCad E.D.A. 9.0.7

Rev: 1.0
Id: 1/5

A

A

put the PWR_FLAGS here after everything is wired up

batt+ and batt- connectors -> diode -> 12V rail
IN to the rest of the board

□12V

12V rail -> diode -> OUT

so in total we need 5 connectors:
 - battery in
 - 12V out
 - 5V out
 - 3V3 out
 - USB out

5VD

5V rail from the buck OUT

3V3D

3V3 rail from the buck OUT

B

B

USB_PWR_OUT+▷

USB_PWR+ and USB_PWR- from the current limiter OUT

USB_PWR_OUT-▷



GND

C

C

D

D

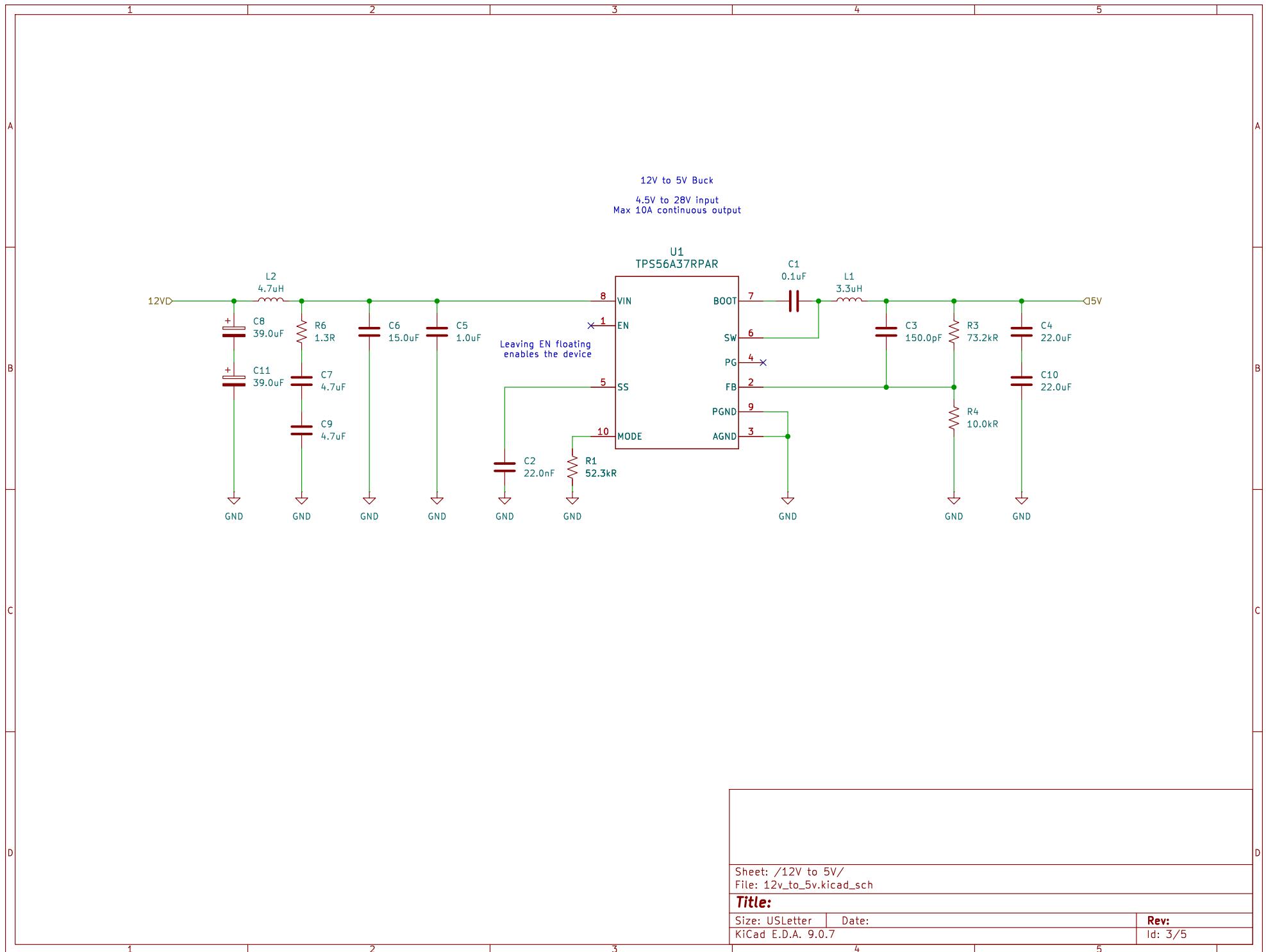
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Title:

Size: USLetter | Date:
KiCad E.D.A. 9.0.7

Rev:
Id: 2/5

1 2 3 4 5



A

B

C

D

A

B

C

D

12V▷

12V to 3V3 buck here

◁3V3

Sheet: /12V to 3V3/
File: 12v_to_3v3.kicad_sch

Title:

Size: USLetter | Date:
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Rev:
Id: 4/5

1

2

3

4

5

A

A

B

B

C

C

D

D

5VD

current limiter load switch here

QUSB_PWR_OUT+

QUSB_PWR_OUT-

Sheet: /Phone Charging/
File: phone_charging.kicad_sch

Title:

Size: USLetter | Date:
KiCad E.D.A. 9.0.7

Rev:
Id: 5/5

1

2

3

4

5