

Design by Philip McGaw



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Sheet: /

File: swarmbot.kicad_sch

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Title: Swarmbot

Size: A4

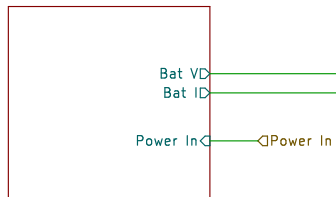
Date: 2021-11-21

Rev: 0.2

KiCad E.D.A. kicad (6.0.0-rc1-46-g1d2fd6d271)

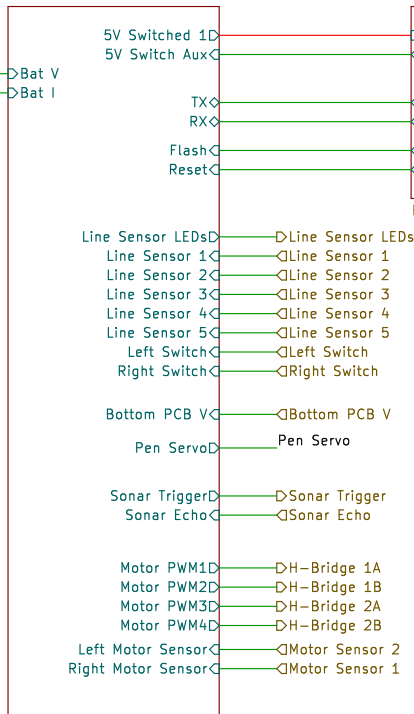
Id: 1/10

Power



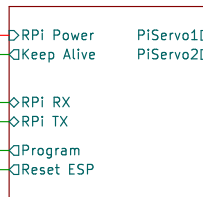
File: power.kicad_sch

ESP32

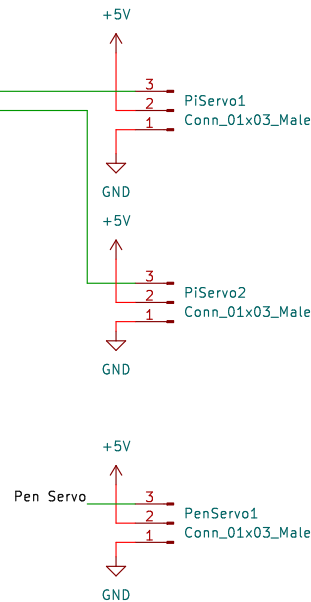


File: ESP32.kicad_sch

RPi



File: RPi.kicad_sch



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Sheet: /Top PCB/

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Title: Swarmbot

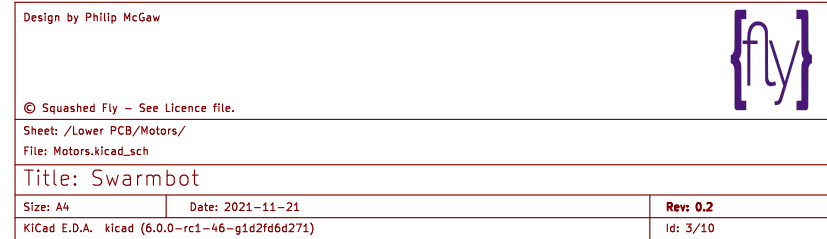
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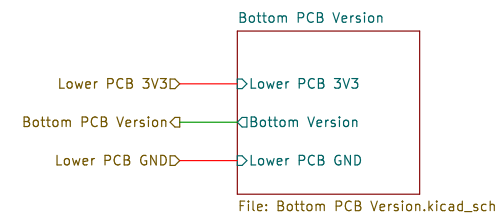
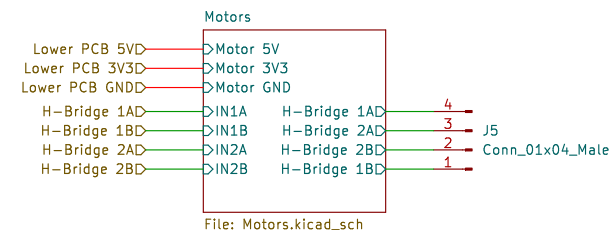
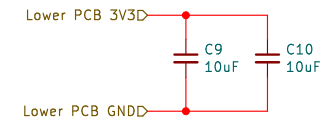
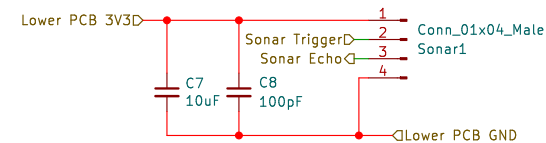
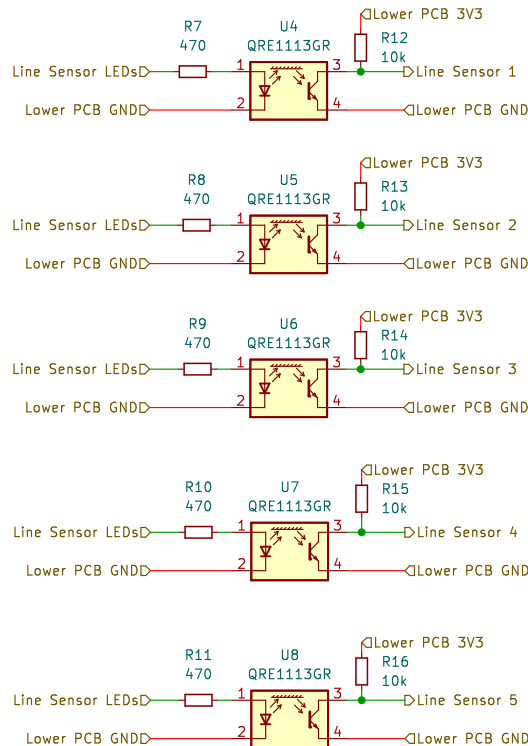
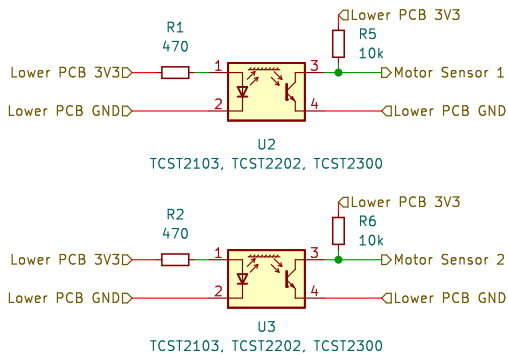
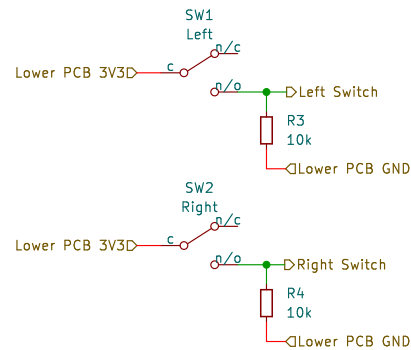
Date: 2021-11-21

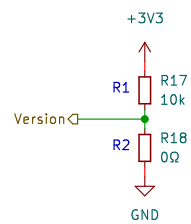
Rev: 0.2

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Hardware revision ID	R1 Value	R2 Value
1	10 kΩ	0 Ω
2	47 kΩ	1 kΩ
3	10 kΩ	1 kΩ
4	4.7 kΩ	1 kΩ
5	2.2 kΩ	1 kΩ
6	4.7 kΩ	2.2 kΩ
7	10 kΩ	10 kΩ
8	4.7 kΩ	10 kΩ
9	1 kΩ	2.2 kΩ
10	2.2 kΩ	10 kΩ
11	4.7 kΩ	47 kΩ
12	2.2 kΩ	47 kΩ
13	1 kΩ	47 kΩ
14	0 Ω	10 kΩ



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Sheet: /Top PCB/ESP32/Version of PCB/

File: Version.kicad_sch

Title:

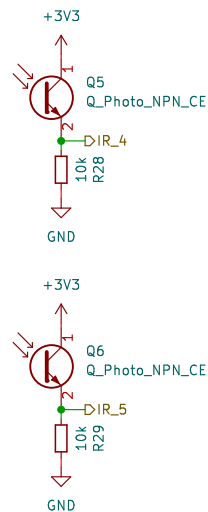
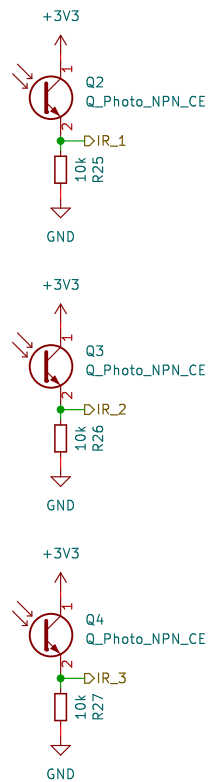
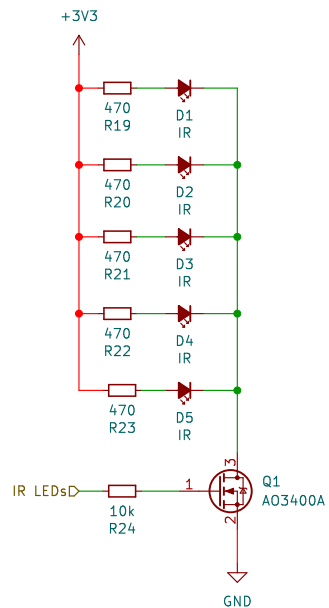
Size: A4

Date: 2021-11-21

Rev:

KiCad E.D.A.	kicad (6.0.0-rc1-46-g1d2fd6d271)
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Id: 8/10



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Sheet: /Top PCB/ESP32/IR LEDS/

File: IR LEDS.kicad_sch

Title:

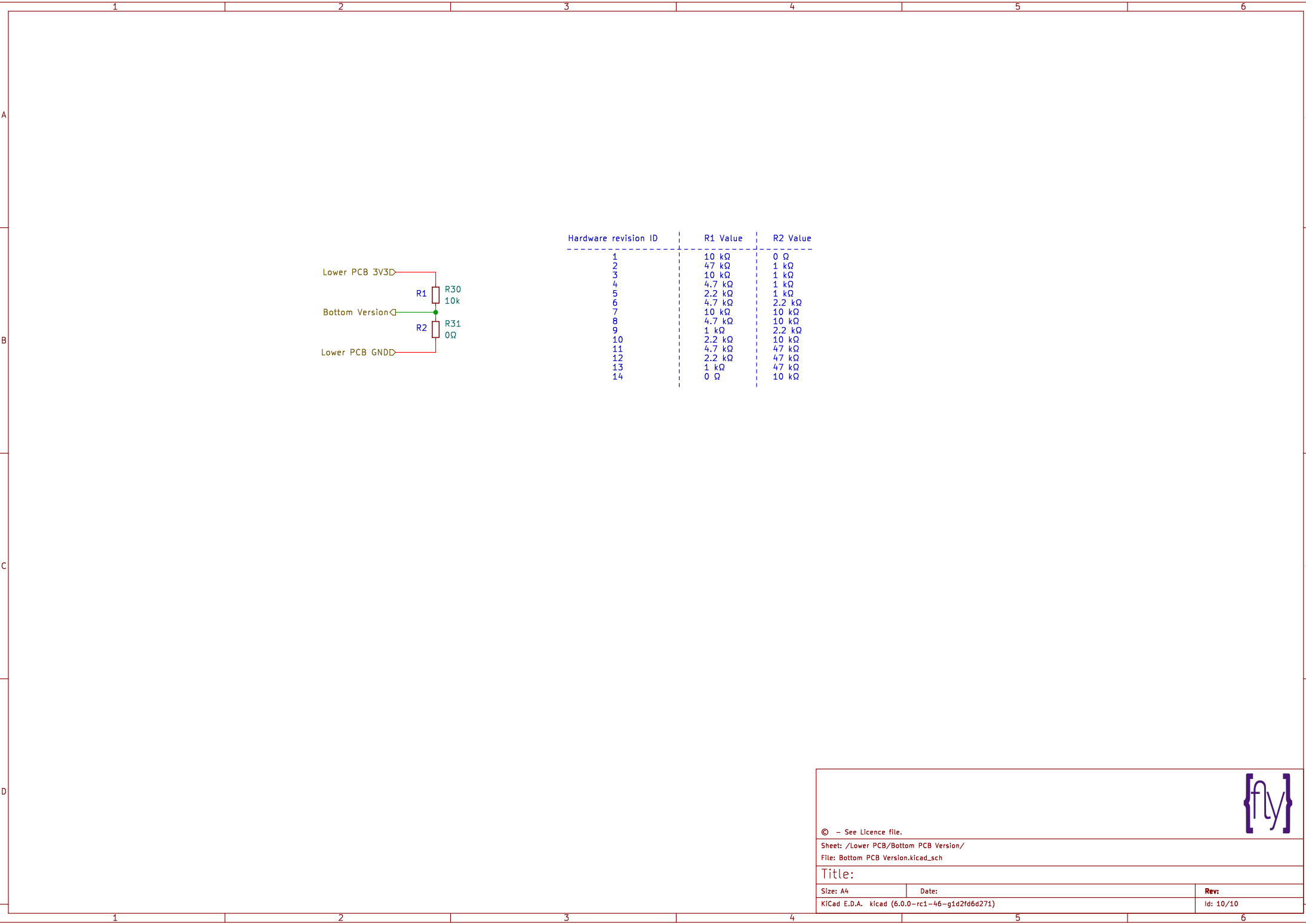
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Date:

Rev:

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Id: 9/10



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Sheet: /Lower PCB/Bottom PCB Version/

File: Bottom PCB Version.kicad_sch

Title:

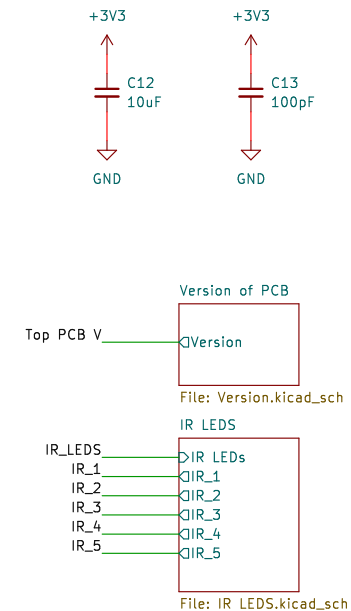
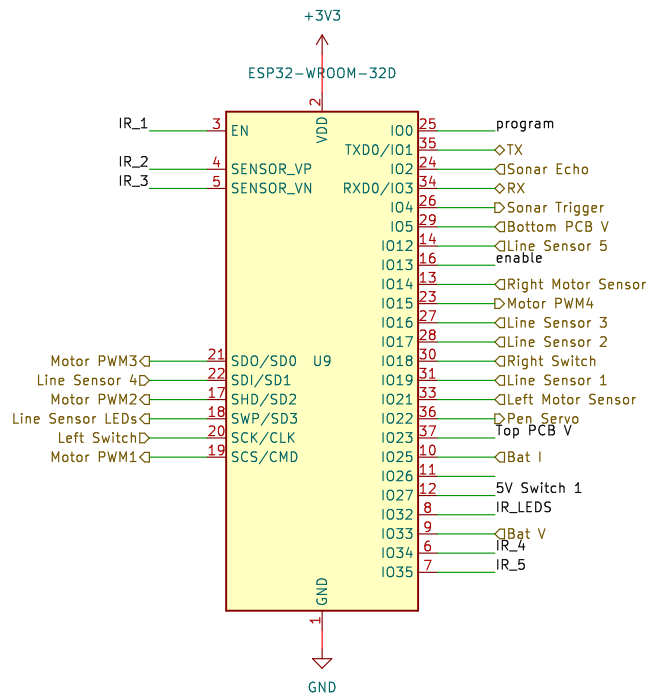
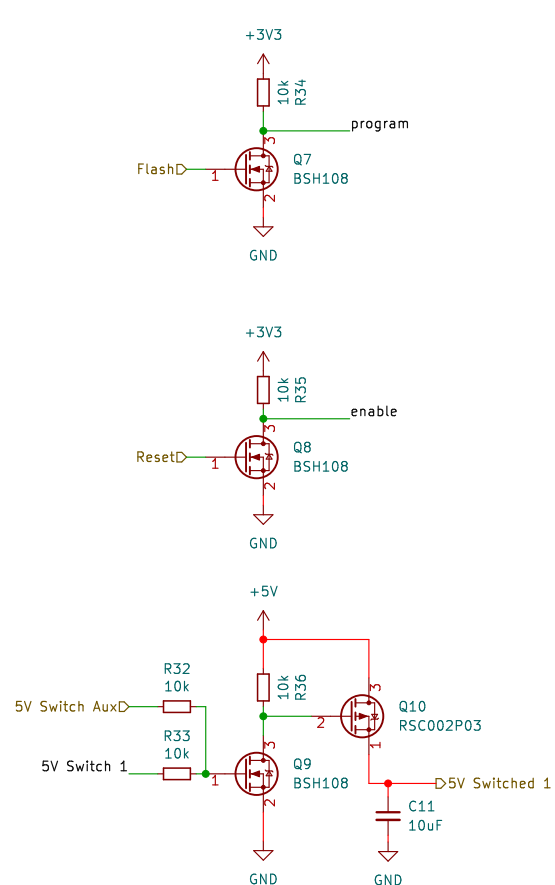
Size: A4

Date:

Rev:

KiCad E.D.A. kicad (6.0.0-rc1-46-g1d2fd6d271)

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For this sheet, Pin assignment and function please keep in sync with 'Swarmbot IO Assignment.xlsx' in the folder.

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Size: A4

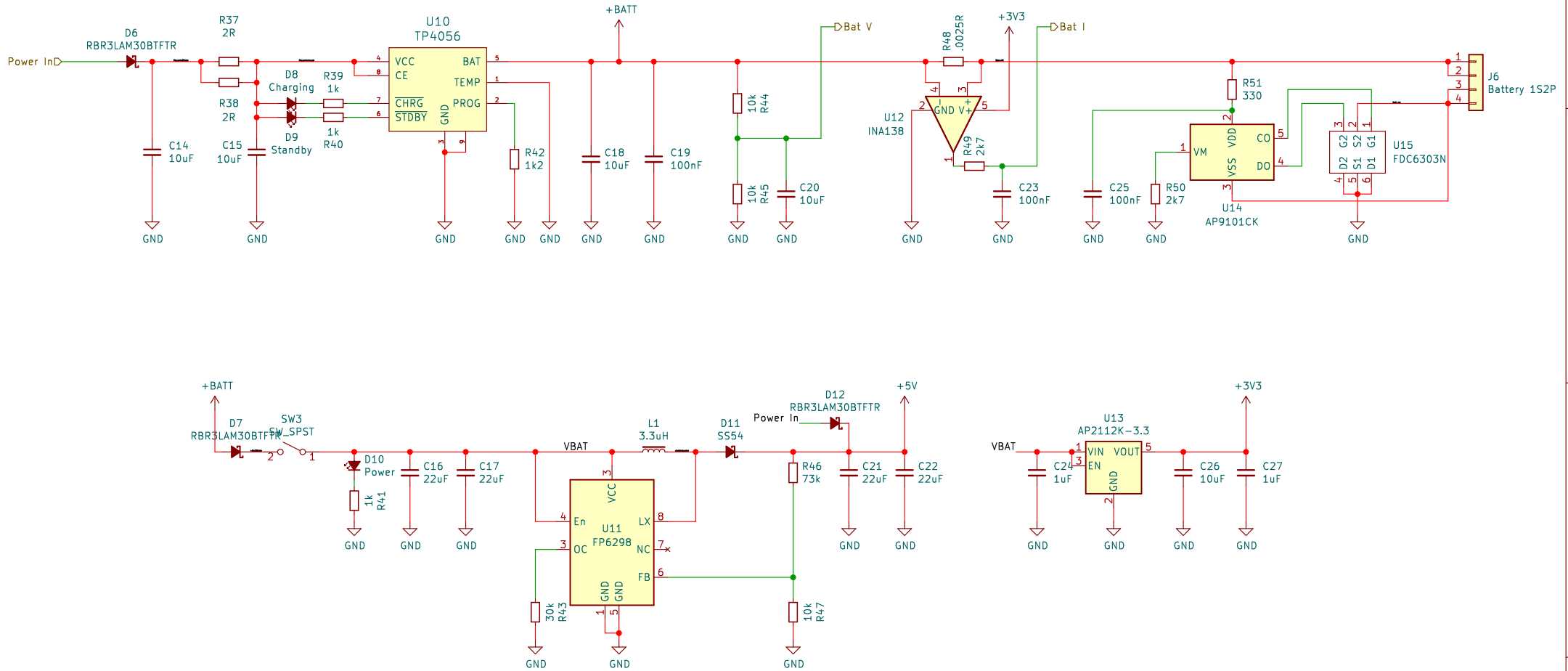
Date: 2021-11-21

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Id: #/10





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KiCad E.D.A. kicad (6.0.0-rc1-46-g1d2fd6d271)

Id: #/10

