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based on work by Terje Jo and Expatria Technologies
 by Sönke Peters

Sheet: /
 File: CNC Boosterpack.kicad_sch

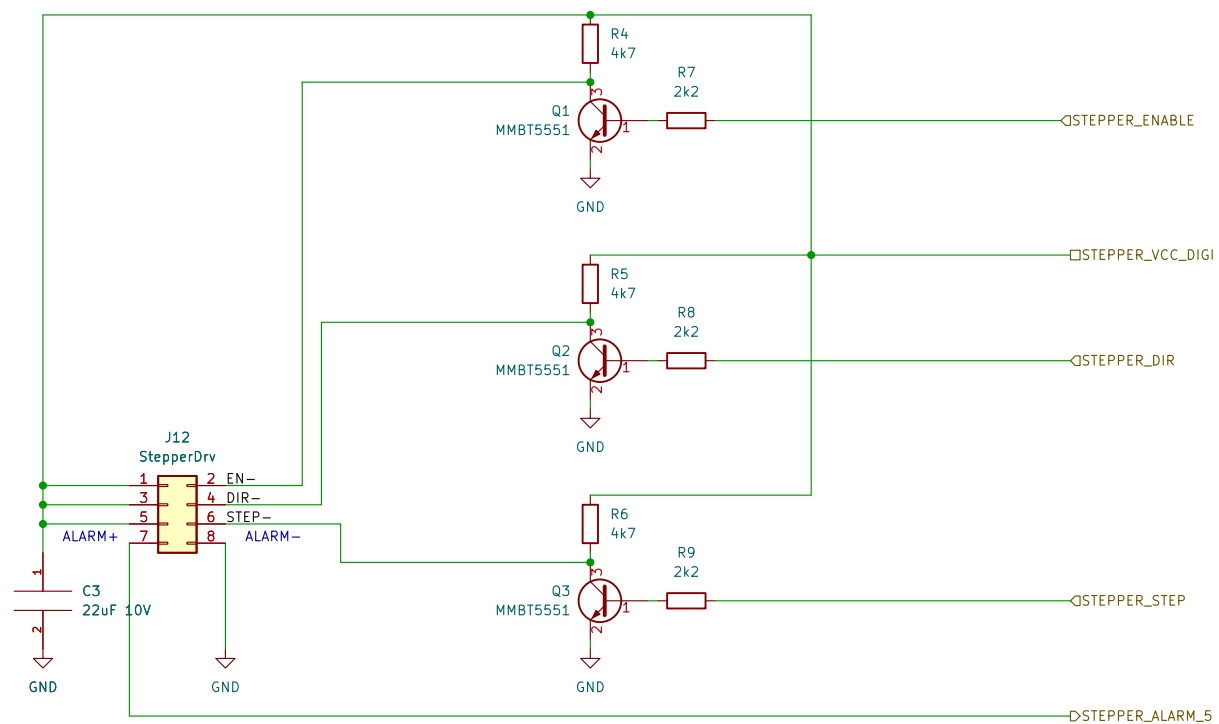
Title: GRBLhal Boosterpack

Size: A4 Date: 2022-12-08

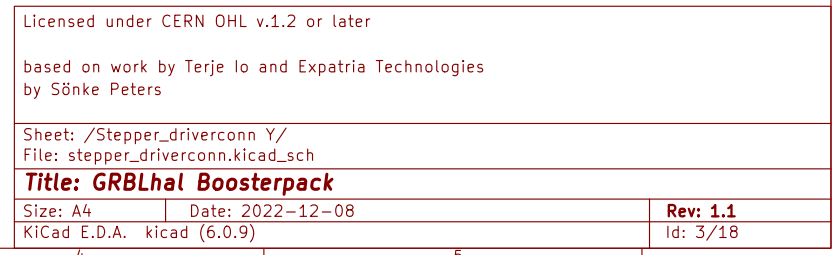
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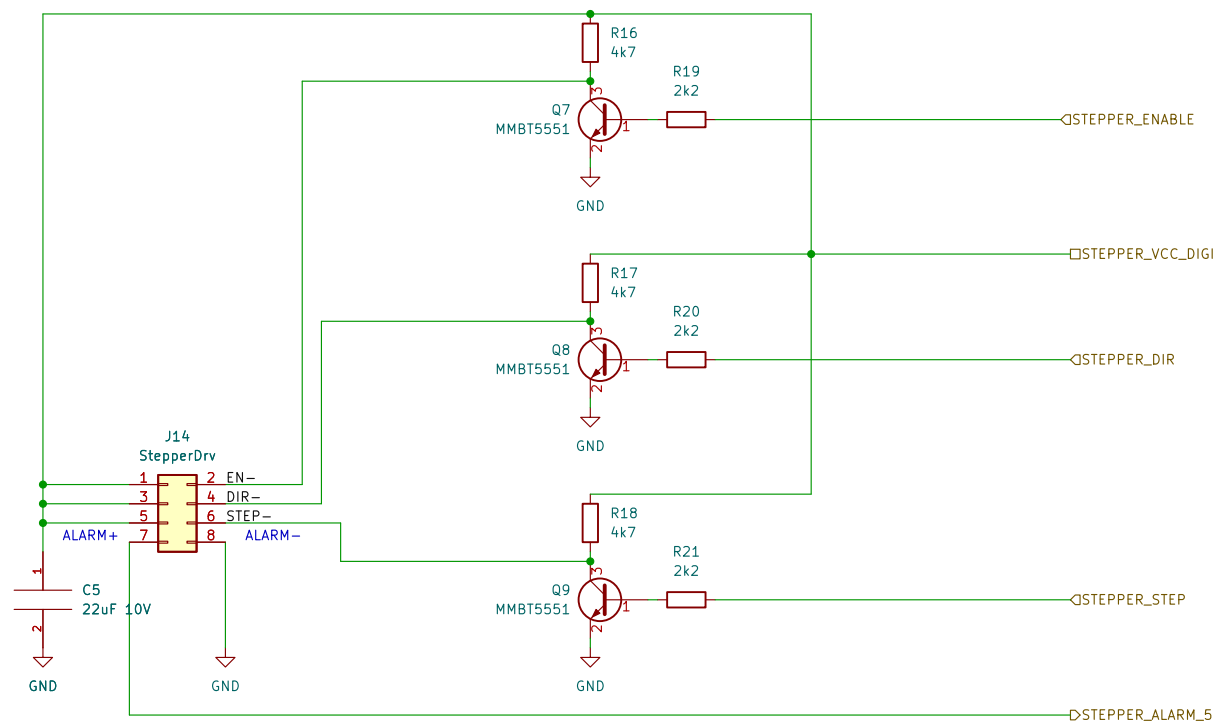
Rev: 1.1

Id: 1/18



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Sheet: /Stepper_driverconn X/ File: stepper_driverconn.kicad_sch		
Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
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Sheet: /Stepper_driverconn Z/
File: stepper_driverconn.kicad_sch

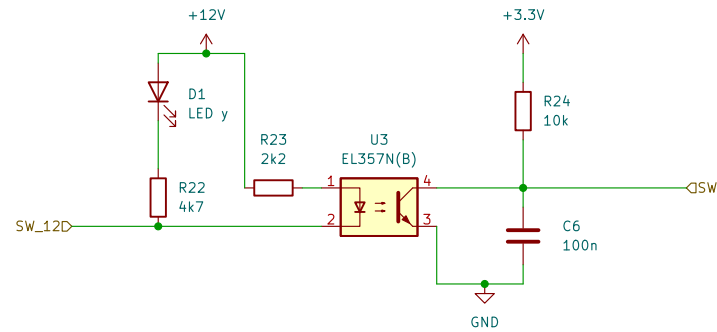
Title: GRBLhal Boosterpack

Size: A4 Date: 2022-12-08

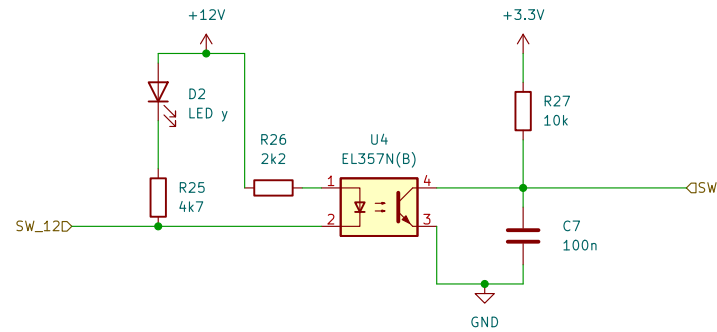
KiCad E.D.A. kicad (6.0.9)

Rev: 1.1

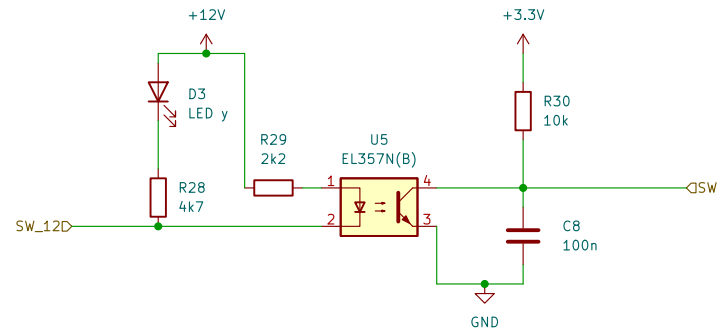
Id: 4/18



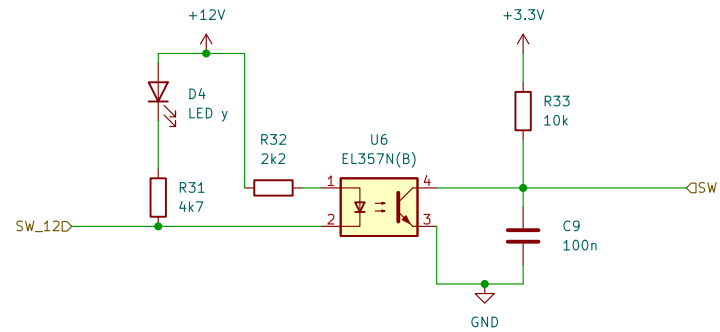
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Sheet: /CycleStart Switch/ File: LimitSwitch.kicad_sch		
Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 5/18



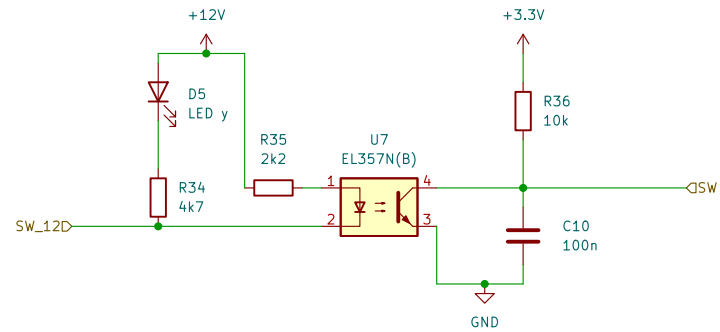
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 6/18



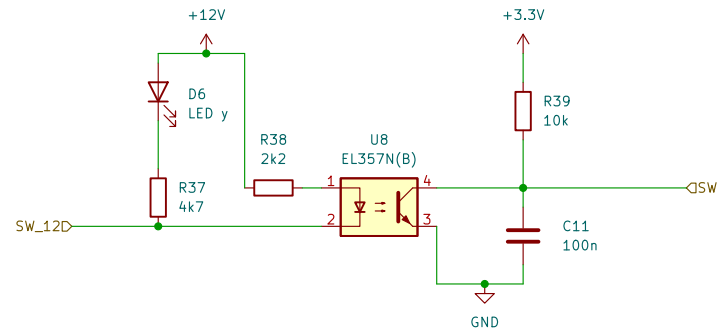
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 7/18



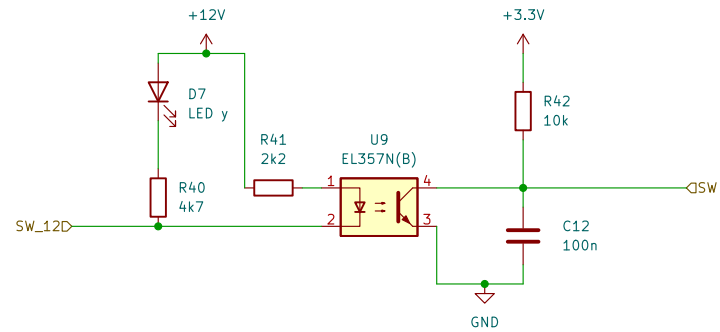
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 8/18



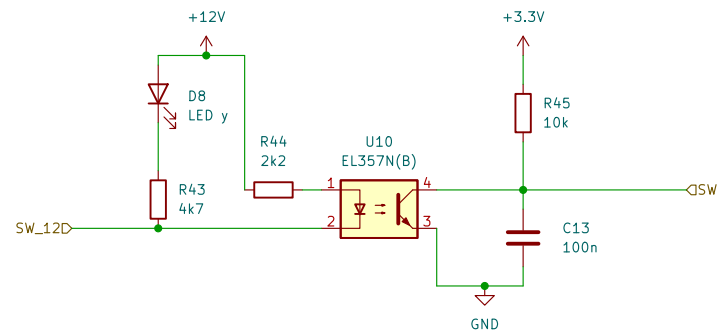
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 9/18



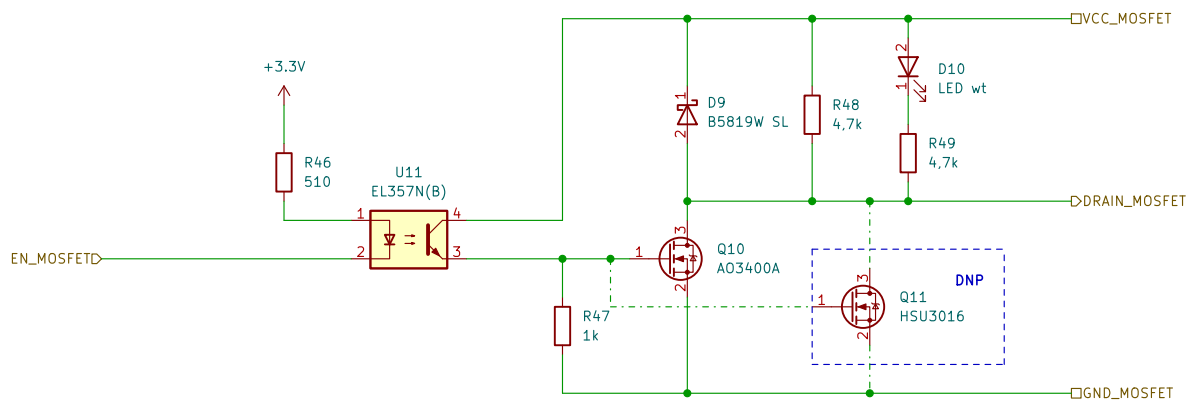
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 10/18



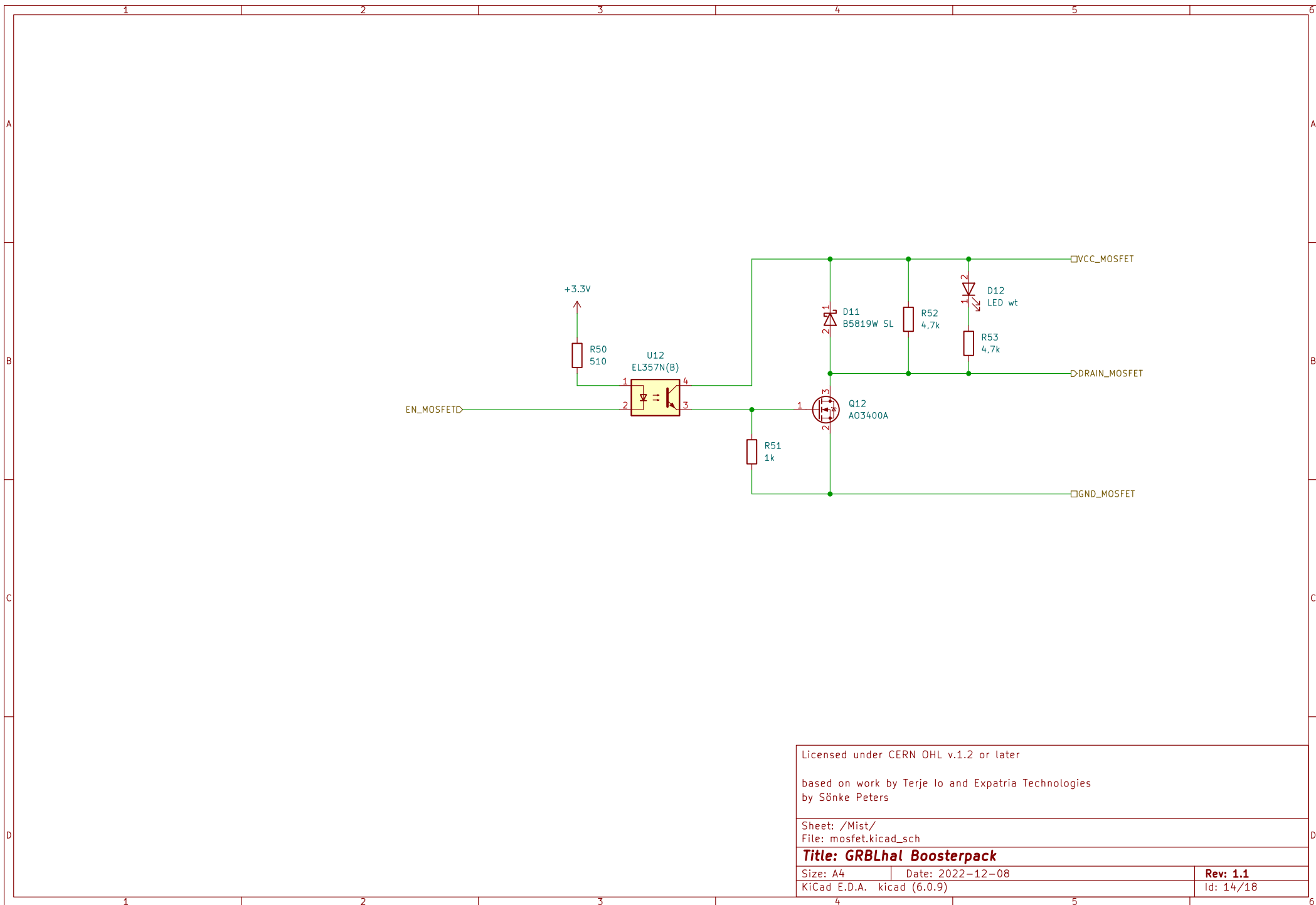
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 11/18

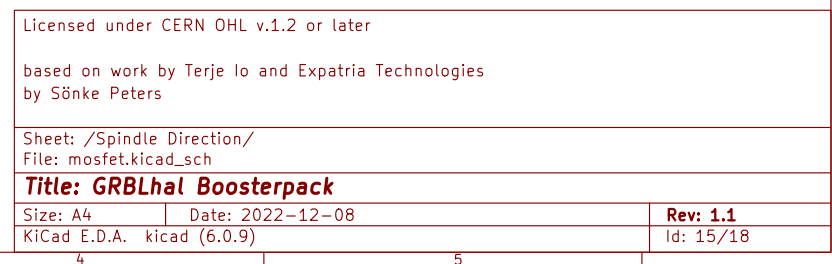


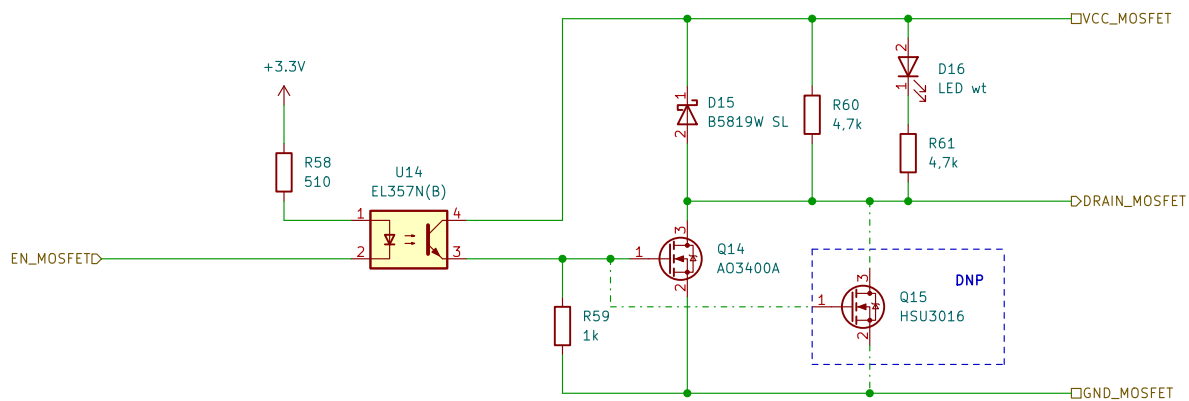
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based on work by Terje Iø and Expatria Technologies by Sönke Peters		
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Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
KiCad E.D.A. kicad (6.0.9)		Id: 12/18



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Sheet: /Flood/ File: mosfet_2possibilities.kicad_sch		
Title: GRBLhal Boosterpack		
Size: A4	Date: 2022-12-08	Rev: 1.1
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Sheet: /Spindle Enable/
File: mosfet_2possibilities.kicad_sch

Title: GRBLhal Boosterpack

Size: A4 Date: 2022-12-08

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Rev: 1.1

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X8

P5

1 2 VBUS

3 4 GND

5 6 PE0

7 8 PE1

9 10 PE2

11 12 PE3

13 14 PD7

15 16 PA6

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X9

P6

1 2

3 4 PM3

5 6 PH2

7 8 PH3

9 10 RST

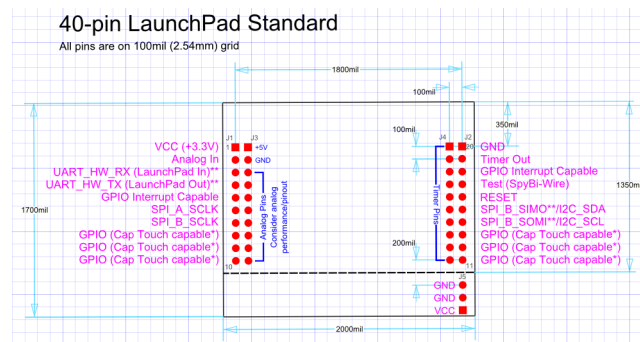
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13 14 PD0

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17 18 PN3

19 20 PP2



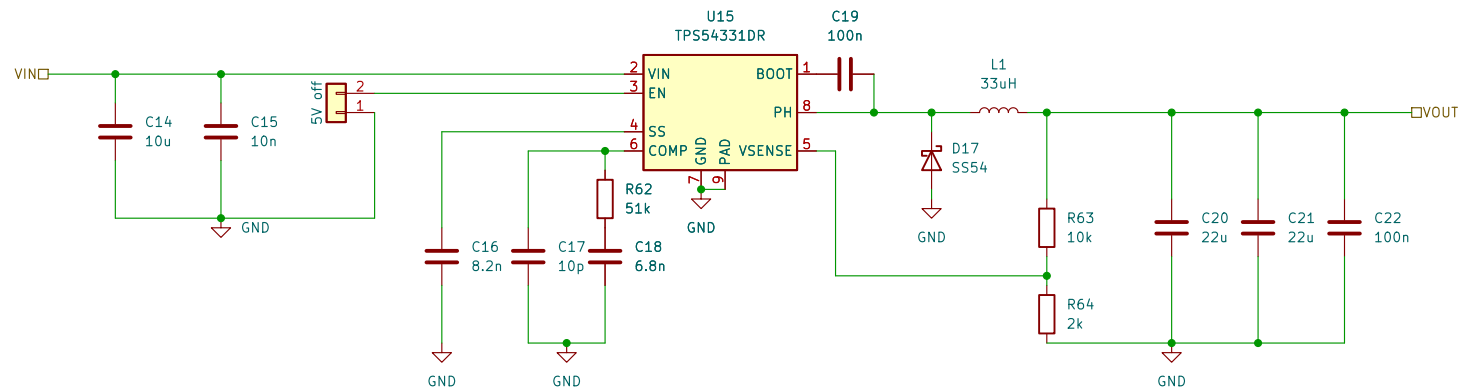
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by Sönke Peters

Title: GRBLhal Boosterpack

KiCad E.D.A.	kicad (6.0.9)
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Design from
https://github.com/Expatria-Technologies/grblha_2000_PrintNC/blob/master/PrintNC_GRBLHAL_Breakout_Schematic_A8_FULL_ASSEMBLY.PDF
to be build with JLCPCB basic parts (excluding inductor)

<https://webench.ti.com/power-designer/>



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Sheet: /PowerSupply5V/
File: powersupply5v.kicad_sch

Title: GRBLhal Boosterpack

Size: A4 Date: 2022-12-08

KiCad E.D.A. kicad (6.0.9)

Rev: 1.1

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