

Sheet: MotorDriver1

File: MotorDriver1.sch

Sheet: MotorDriver2

File: MotorDriver2.sch

Sheet: Measurement

File: Measurement.sch

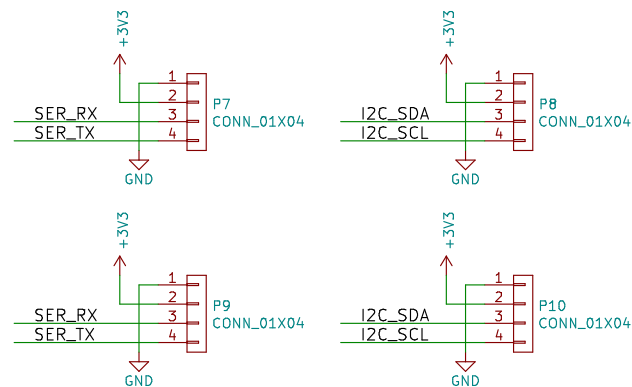
Sheet: VoltageRegulator

File: VoltageRegulator.sch

Sheet: History

File: History.sch

headers to connect sensors



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QUALITY AND FITNESS FOR A PARTICULAR PURPOSE. Please see the CERN OHL v1.2 for applicable conditions

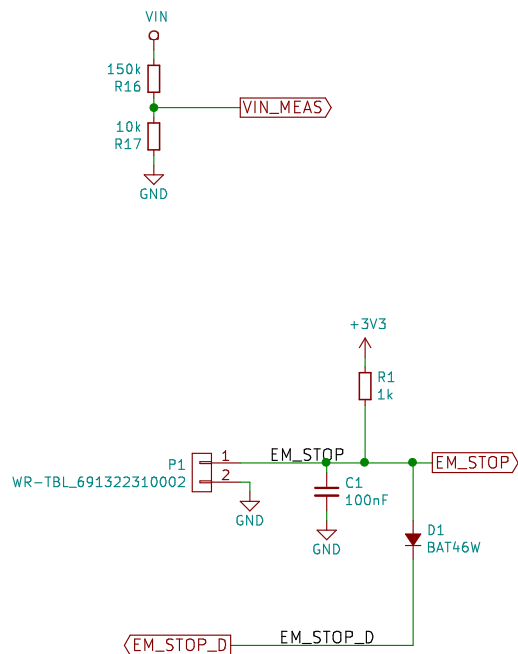
generationmake

Sheet: /
File: StepperMotorFeatherWing.sch

Title: HighPowerMotorFeatherWing

Size: A4	Date: 2020-07-04
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1	

Rev: 1.1
Id: 1/6



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generationmake

Sheet: /Measurement/

File: Measurement.sch

Title: HighPowerMotorFeatherWing

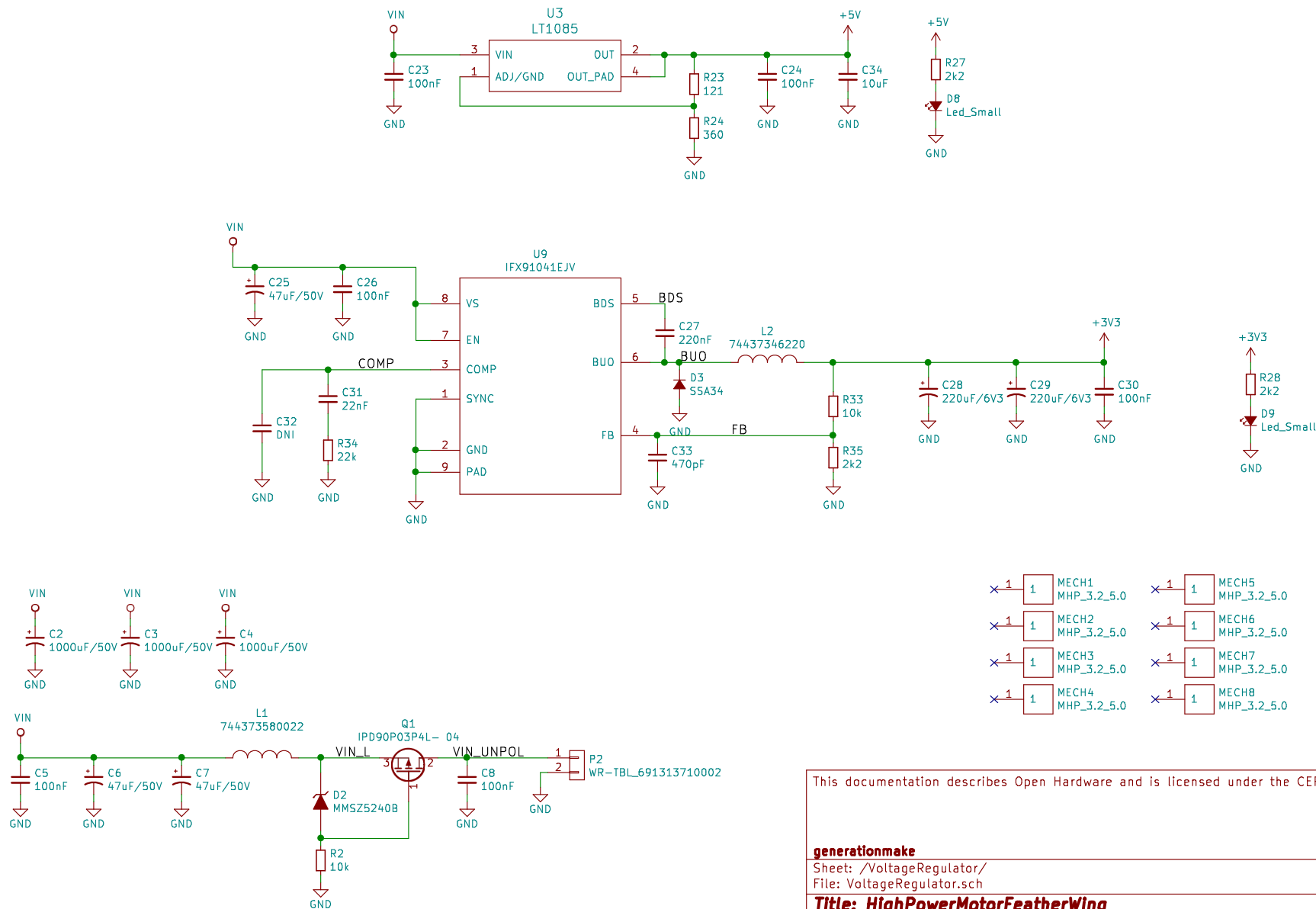
Size: A4

Date: 2020-07-04

Rev: 1.1

KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1

Id: 2/6



- | | | | |
|-----|-------------|-----|-------------|
| × 1 | MECH1 | × 1 | MECH5 |
| | MHP_3.2_5.0 | | MHP_3.2_5.0 |
| × 1 | MECH2 | × 1 | MECH6 |
| | MHP_3.2_5.0 | | MHP_3.2_5.0 |
| × 1 | MECH3 | × 1 | MECH7 |
| | MHP_3.2_5.0 | | MHP_3.2_5.0 |
| × 1 | MECH4 | × 1 | MECH8 |
| | MHP_3.2_5.0 | | MHP_3.2_5.0 |

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generationmake			
Sheet: /VoltageRegulator/			
File: VoltageRegulator.sch			
Title: HighPowerMotorFeatherWing			
Size: A4	Date: 2020-07-04		Rev: 1.1
KiCad E.D.A.	kicad 5.1.6-c6e7f7d86ubuntu18.04.1		Id: 3/6

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generationmake

Sheet: /MotorDriver1/
 File: MotorDriver1.sch

Title: HighPowerMotorFeatherWing

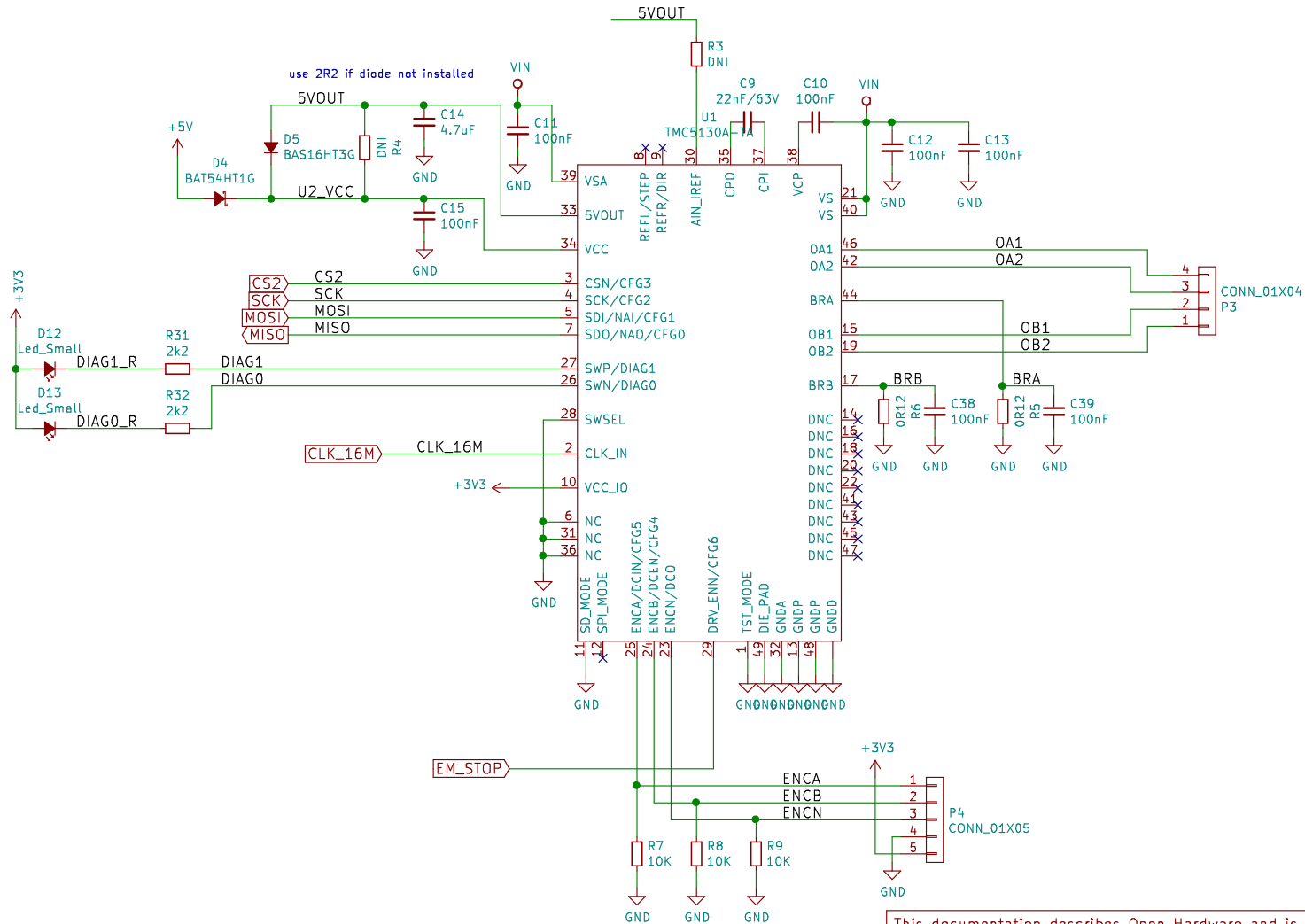
Size: A4	Date: 2020-07-04	Rev: 1.1
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1		Id: 4/6

Sheet: /MotorDriver1/
File: MotorDriver1.sch

Title: HighPowerMotorFeatherWing

Size: A4	Date: 2020-07-04	Rev: 1.1
KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1		Id: 4/6

Id: 4/6



	1	2	3	4	5	6
1.0	2019-12-31	Bernhard Mayer	initial release			
1.1	2020-07-03	Bernhard Mayer	added external supply for 5V logic of TMC5130			
	2020-07-04	Bernhard Mayer	added clock generator to have common clock for both motor drivers			
	2020-07-04	Bernhard Mayer	added LEDs on supply voltage and DIAG outputs of motor drivers			
	2020-07-04	Bernhard Mayer	added capacitors on current sense resistors			
<div>This documentation describes Open Hardware and is licensed under the CERN OHL v. 1.2.</div> <div>generationmake Sheet: /History/ File: History.sch</div> <div>Title: HighPowerMotorFeatherWing</div> <div><div>Size: A4</div><div>Date: 2020-07-04</div><div>Rev: 1.1</div></div> <div><div>KiCad E.D.A. kicad 5.1.6-c6e7f7d86ubuntu18.04.1</div><div>Id: 6/6</div></div>						
	1	2	3	4	5	6