REVISION: 01_1

VARIANT: NO VARIATIONS

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MCU

5 **MOSFET DRIVER**

6 **MOSFETs**

CAN **FILTERS** 8 9 USB

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RELEASED STATUS PROJECT:

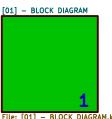
DRAFT

DATE: 2022-10-03

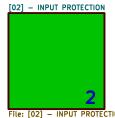
BOARD IMAGE FRONT



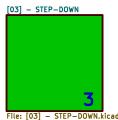
DF_ESC_rev01_1



File: [01] - BLOCK DIAGRAM.kicad_sch



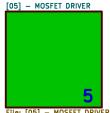
File: [02] - INPUT PROTECTION.kicad_sch





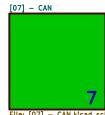
File: [04] - MCU.kicad_sch

[08] - FILTERS



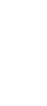
File: [05] - MOSFET DRIVER.kicad_sch



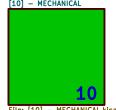


File: [08] - FILTERS.kicad_sch

[10] - MECHANICAL

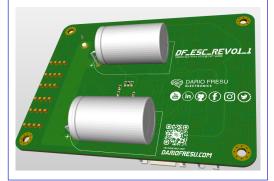


File: [09] - USB.kicad_sch



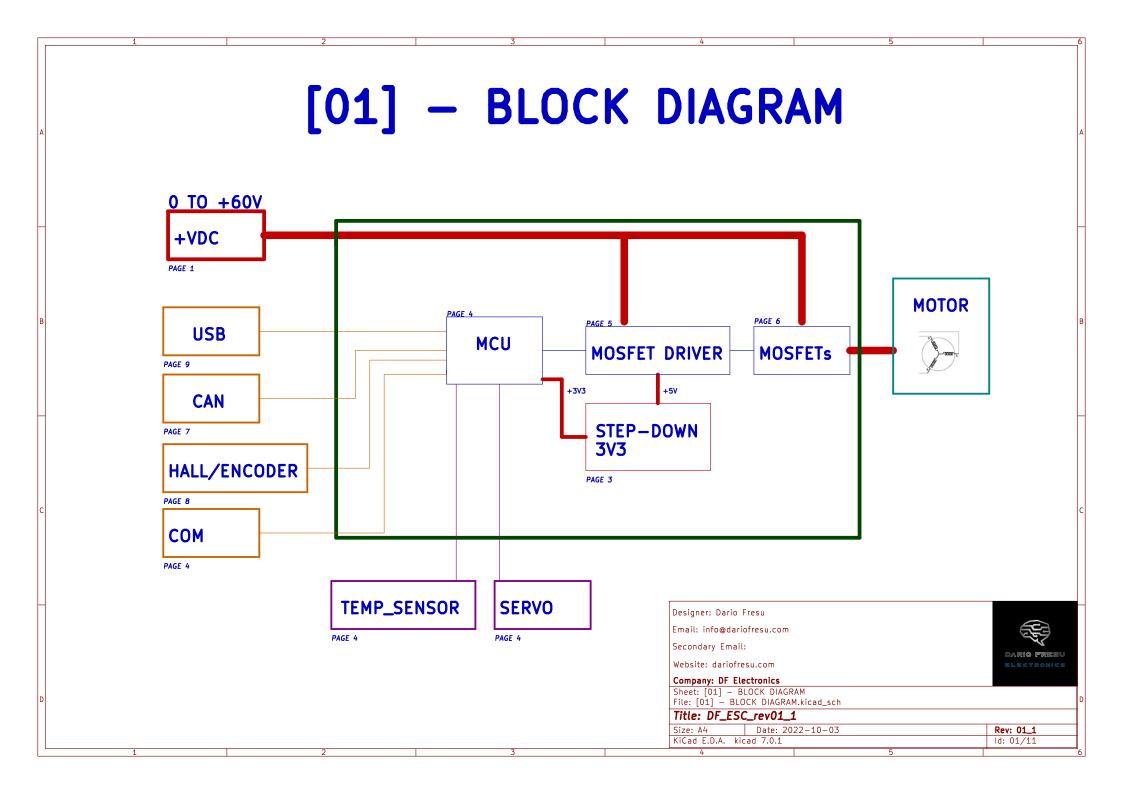
BOARD IMAGE BACK

[09] - USB

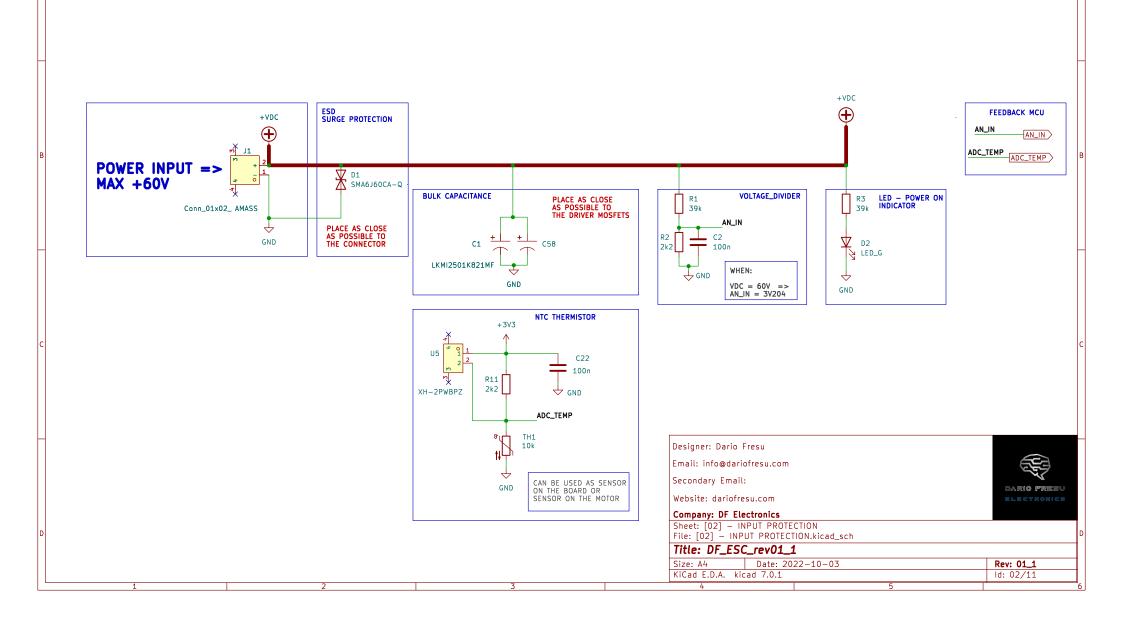




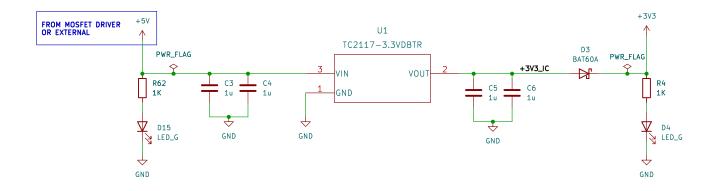
Date: 2022-10-03 Rev: 01_1 KiCad E.D.A. kicad 7.0.1 ld: 1/11

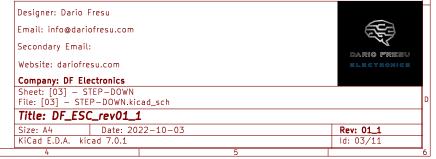


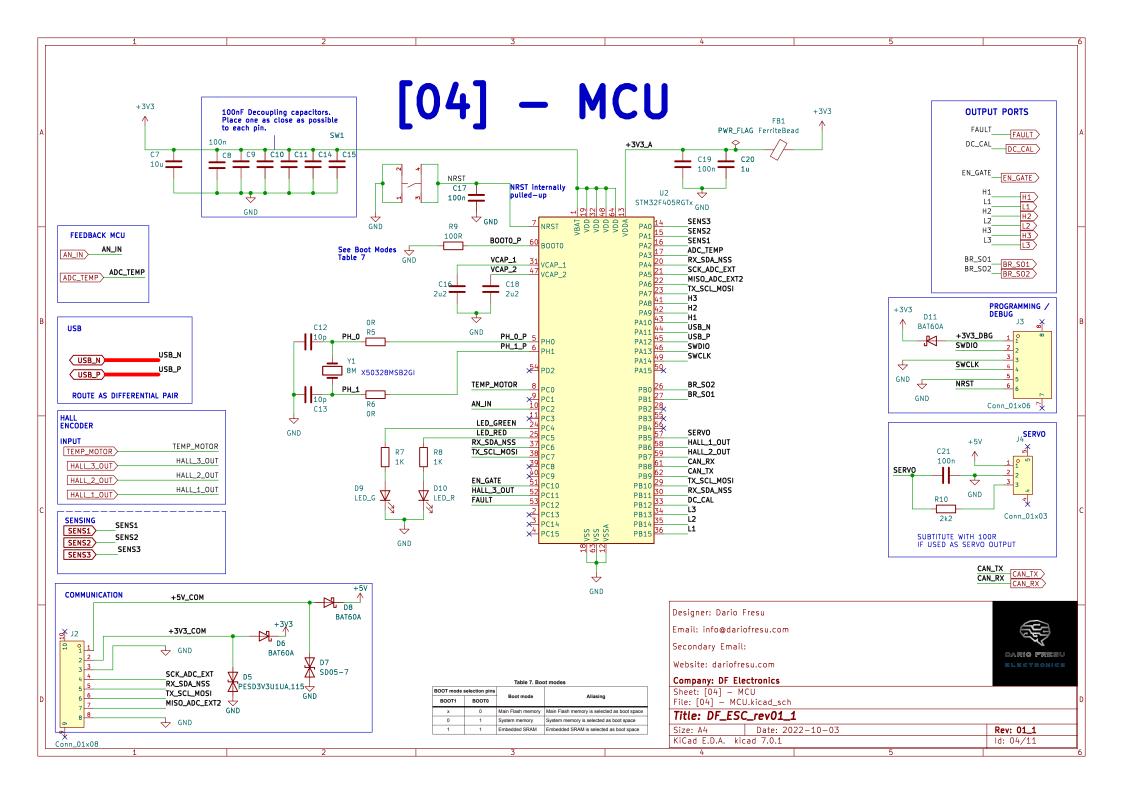
[02] - INPUT PROTECTION

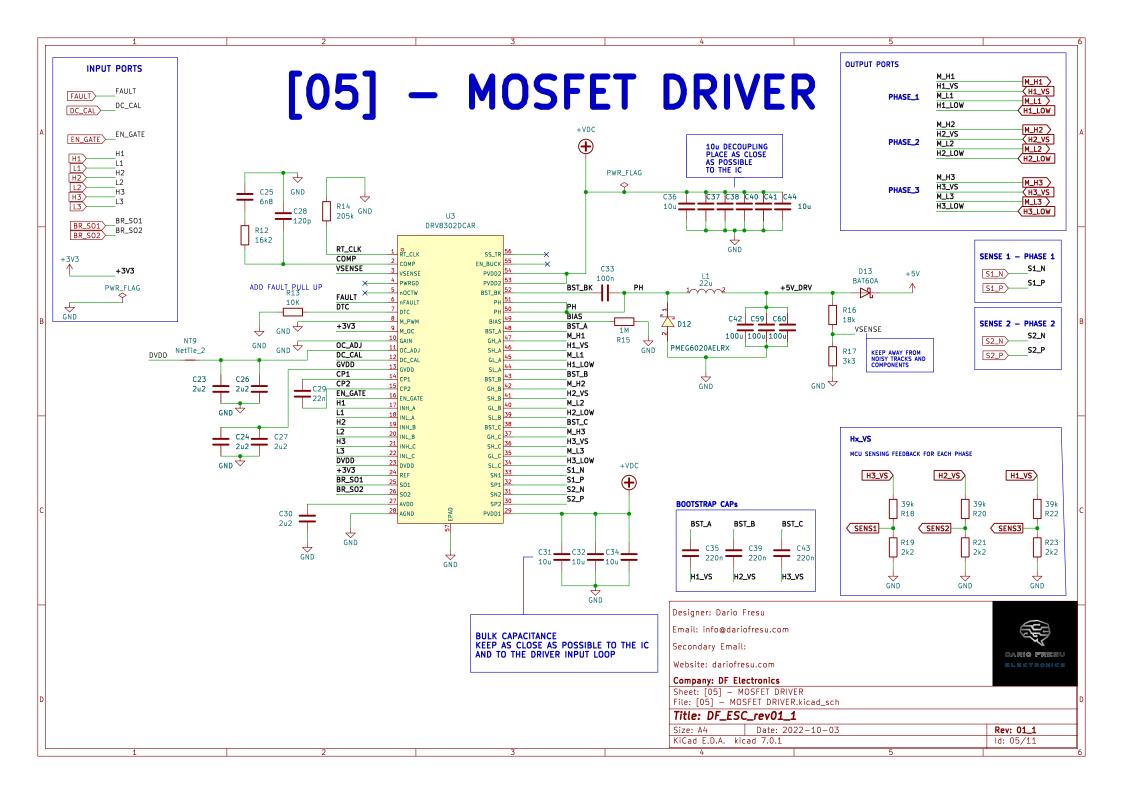


[03] - STEP-DOWN

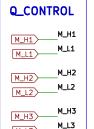






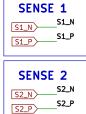


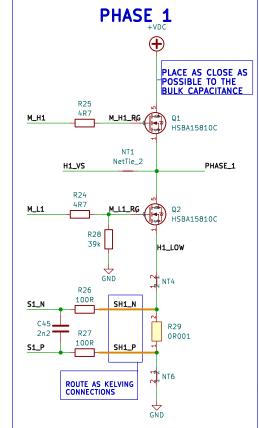
[06] - MOSFETs

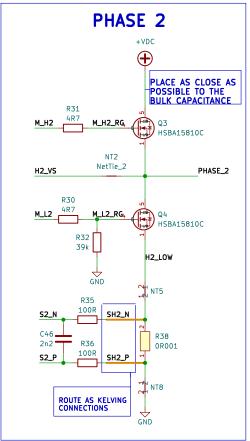


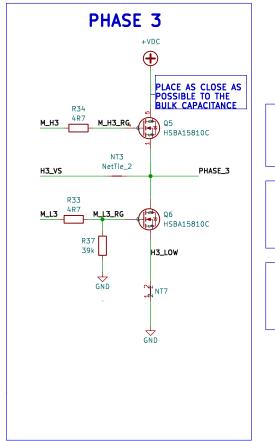


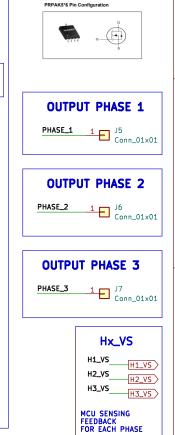
M_L3









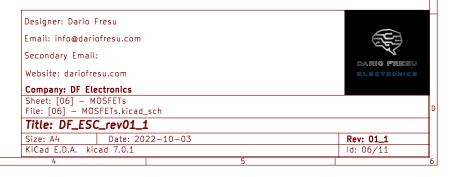


HSBA15810C

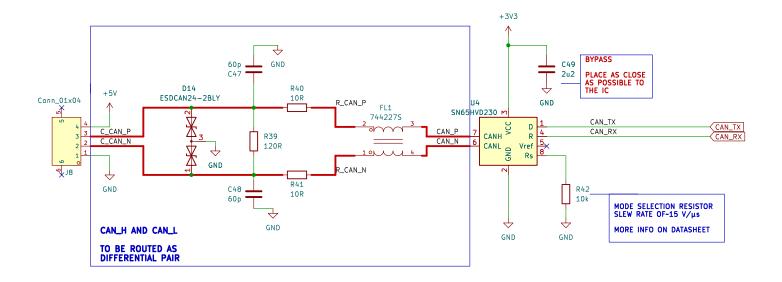
100 V 3.7 mΩ 100 A

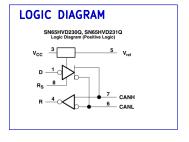
N-Ch 100V Fast Switching MOSFETs

Product Summary

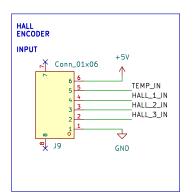


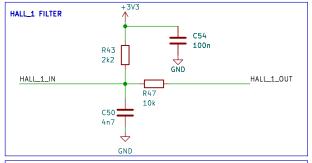
[07] - CAN

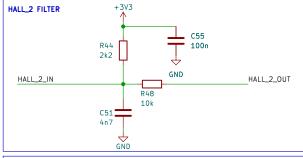


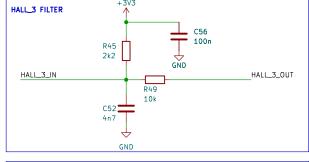


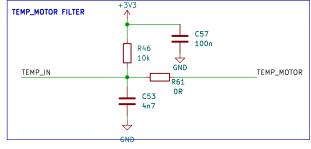












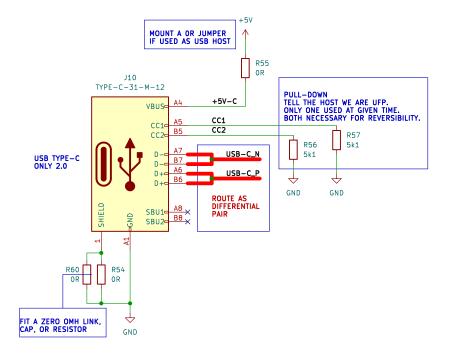
HALL ENCODER	TO MCU =>
ОИТРИТ	
HALL_1_OUT HALL_2_OUT HALL_3_OUT TEMP_MOTOR	HALL_1_OUT > HALL_2_OUT > HALL_3_OUT > TEMP_MOTOR >

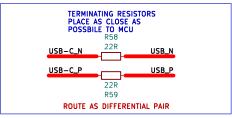
Designer: Dario Email: info@dari Secondary Email	ofresu.com	
Website: dariofre	esu.com ectronics	DARIO FRESU ELECTRONICS
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Size: A4	Date: 2022-10-03	Rev: 01_1

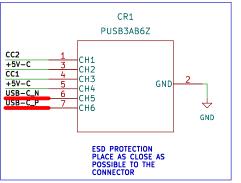
ld: 08/11

KiCad E.D.A. kicad 7.0.1

[09] - USB

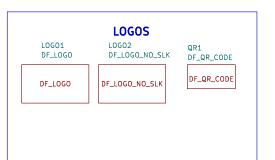


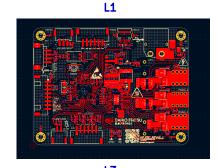


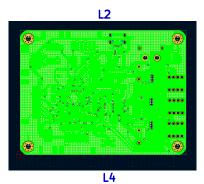


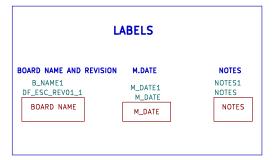


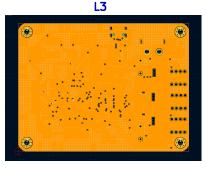
[10] - MECHANICAL

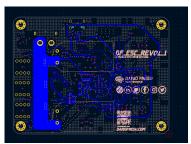


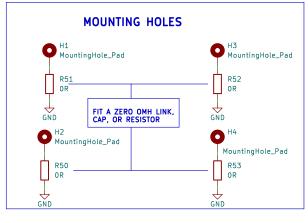


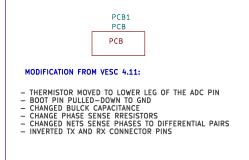












PCB

IMPORTANT!!
COMPATIBLE VESC FIRMWARE 5.20
OTHER VERSIONS MIGHT DAMAGE THE HARDWARE!!

