

- H1 MountingHole
- H2 MountingHole
- H3 MountingHole
- H4 MountingHole

Alperen KOLAMUÇ
alperen.kolamu@gmail.com
Kolamuc Design



Sheet: /
File: BATF7.kicad_sch

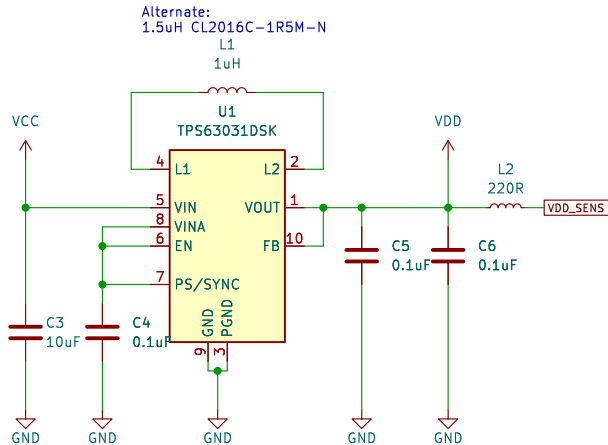
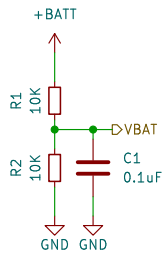
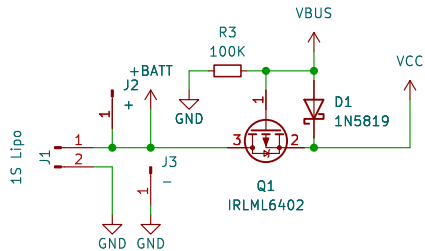
Title: BAT/F7

Size: A4 Date: 2024-03-23

KiCad E.D.A. kicad 7.0.8

Rev: 1

Id: 1/9



Alperen KOLAMUÇ
alperen.kolamuc@gmail.com

Kolamuc Design

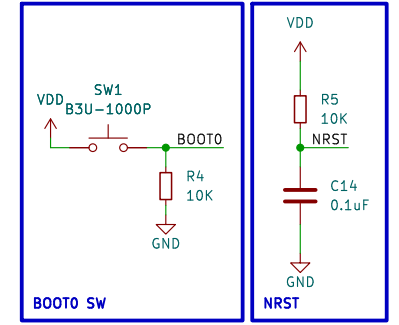
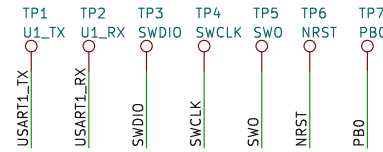
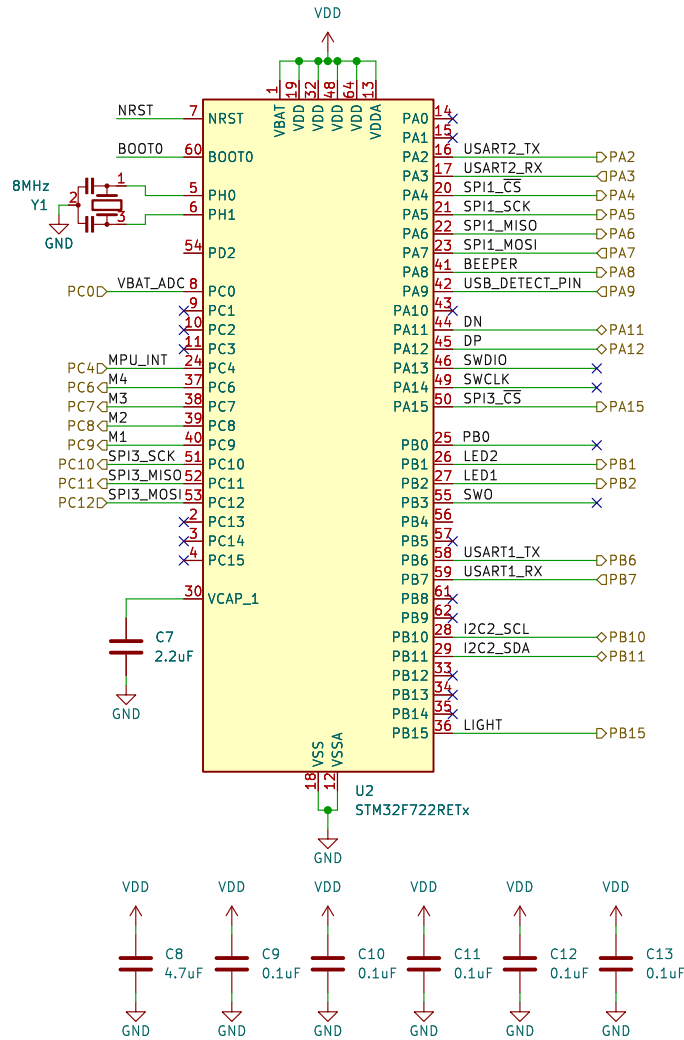
Sheet: /Power Management/
File: power_management.kicad_sch

Title: Power Management

Size: A5 Date: 2024-03-23
KiCad E.D.A. kicad 7.0.8

Rev: 1
Id: 2/9

Akolamuc



Alperen KOLAMUÇ
alperen.kolamu@gmail.com
Kolamuc Design

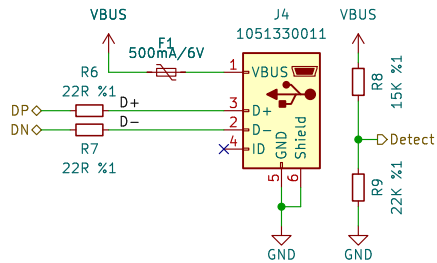
Sheet: /Main Controller/
File: main_controller.kicad_sch

Title: Main Controller

Size: A4 Date: 2024-03-23
KiCad E.D.A. kicad 7.0.8

Rev: 1
Id: 3/9





Alperen KOLAMUÇ
alperen.kolamu@gmail.com

Kolamuc Design

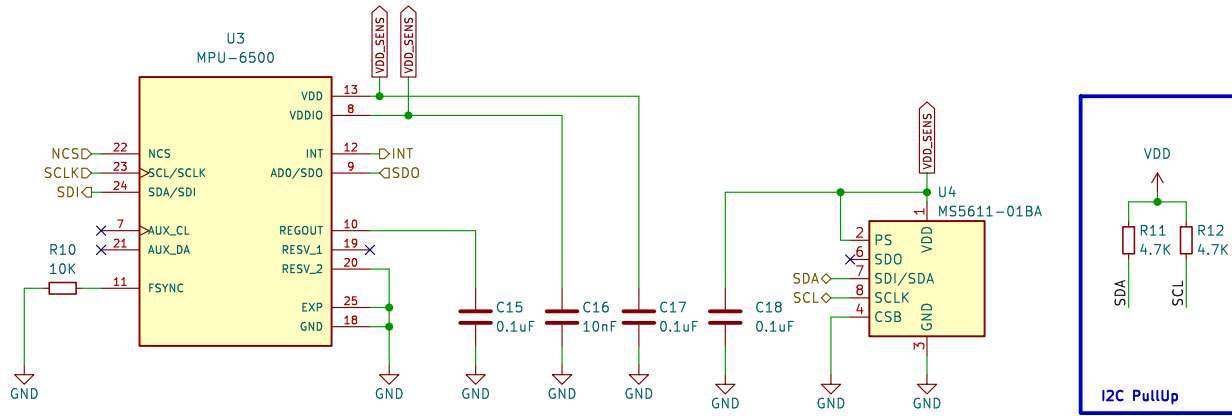
Sheet: /USB Communication/
File: usb.kicad_sch

Title: USB Device

Size: A5 Date: 2024-03-23
KiCad E.D.A. kicad 7.0.8

Rev: 1
Id: 4/9





Alperen KOLAMUÇ
alperen.kolamu@gmail.com

Kolamuc Design

Sheet: /IMU/

File: imu.kicad_sch

Title: IMU

Size: A5

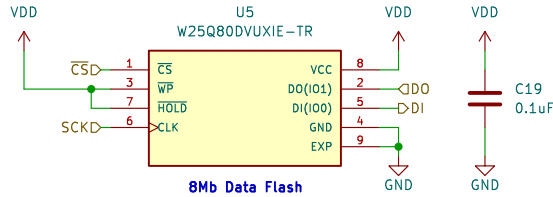
Date: 2024-03-23

KiCad E.D.A. kicad 7.0.8

Rev: 1

Id: 5/9

A kolamuc



Alperen KOLAMUÇ
alperen.kolamu@gmail.com

Kolamuc Design

Sheet: /Black Box/

File: blackbox.kicad_sch

Title: BlackBox

Size: A5

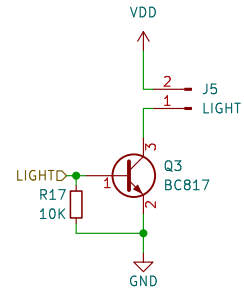
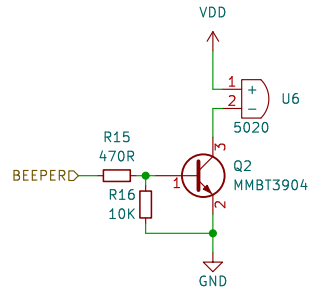
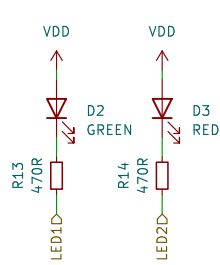
Date: 2024-03-23

KiCad E.D.A. kicad 7.0.8

Rev: 1

Id: 6/9

Akolamuc



Alperen KOLAMUÇ
alperen.kolamu@gmail.com

Kolamuc Design

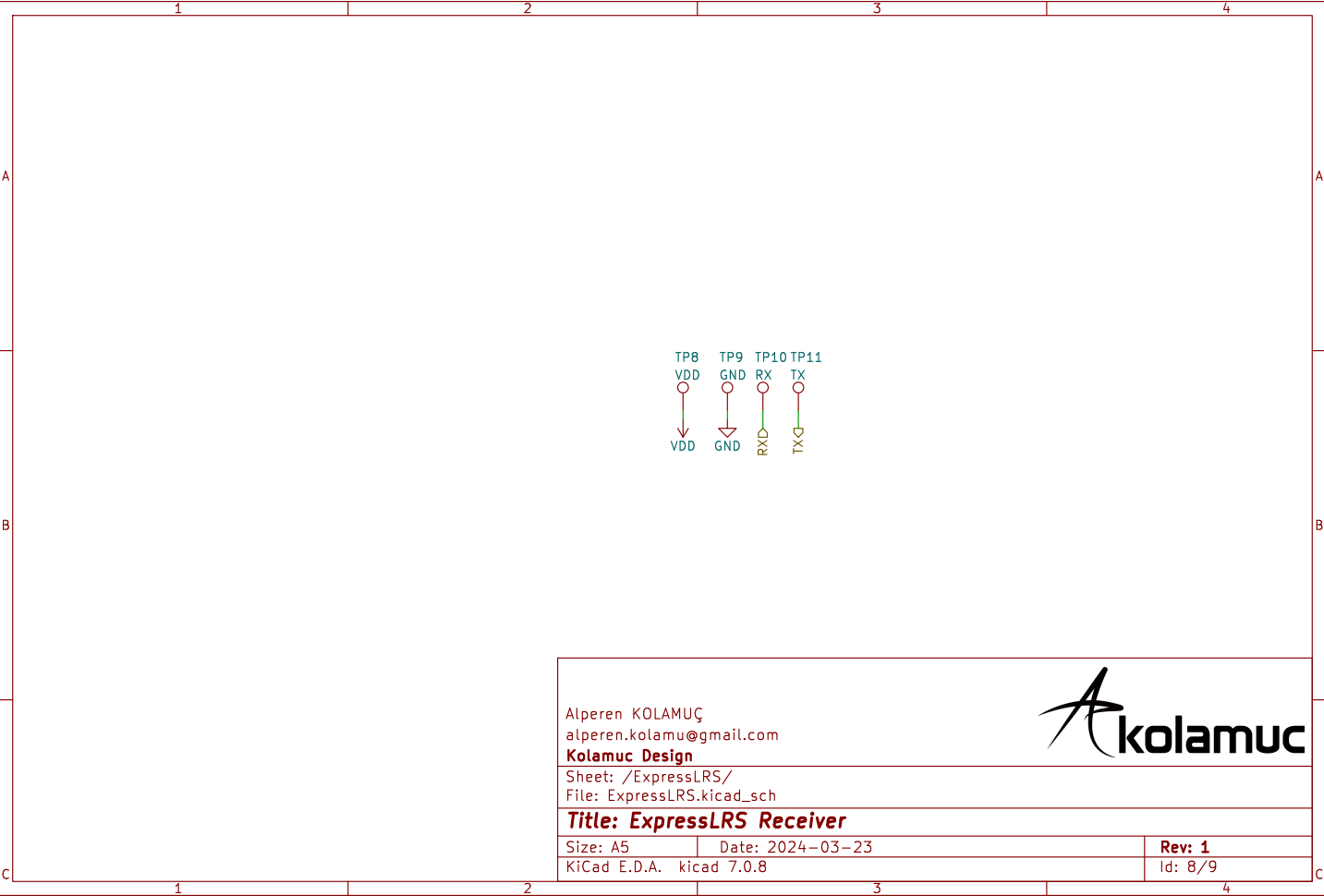
Sheet: /Warnings/
File: warnings.kicad_sch

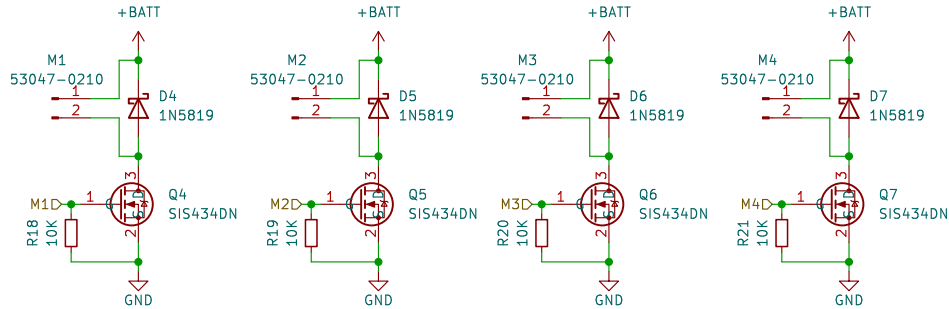
Title: Warnings

Size: A5 Date: 2024-03-23
KiCad E.D.A. kicad 7.0.8

Rev: 1
Id: 7/9







PRODUCT SUMMARY			
V _{DS} (V)	R _{DS(on)} (Ω)	I _D (A) ^a	Q _g (Typ.)
40	0.0076 at V _{GS} = 10 V	35	12.5 nC
	0.0092 at V _{GS} = 4.5 V	35	

35A continuous drain current MOSFET.
Lower to 9.2mΩ inner resistance value (4.5V).
It has a noticeable power improvement in low battery
voltage status or with 8x20/8.5x20 motors.

Alperen KOLAMUÇ
alperen.kolamu@gmail.com

Kolamuc Design

Sheet: /Motor Controller/
File: motor_controller.kicad_sch

Title: 40V 35A Brushed Motor Drivers

Size: A5 Date: 2024-03-23
KiCad E.D.A. kicad 7.0.8

Rev: 1
Id: 9/9

