

Project:

Flight Controller

Prepared by:

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Date:

2022-03-23

Safety routine

System state

Feedback controller

Altitude P-Controller

Roll, Pitch, Yaw, Height PID Controllers

LPF

Complimentary Filter (sensor fusion)

Speed controller

Radio

LED Driver

Sound Driver

UART STUDIO

BLUETOOTH STUDIO

UART

GPIO

BMI160 + BMM150

Devices State

Precess Set-Point adjust

Controller Tuning Interface

Manual Controller

Calibration

BMI160 + BMM150

BMP388

SONAR

UART Debug code

Switches Driver

I2C I/O Expander

I2C

Timers

SysClk

SysTick

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BMP388

Orange RX

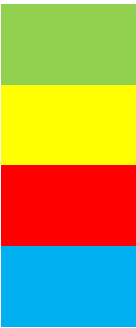
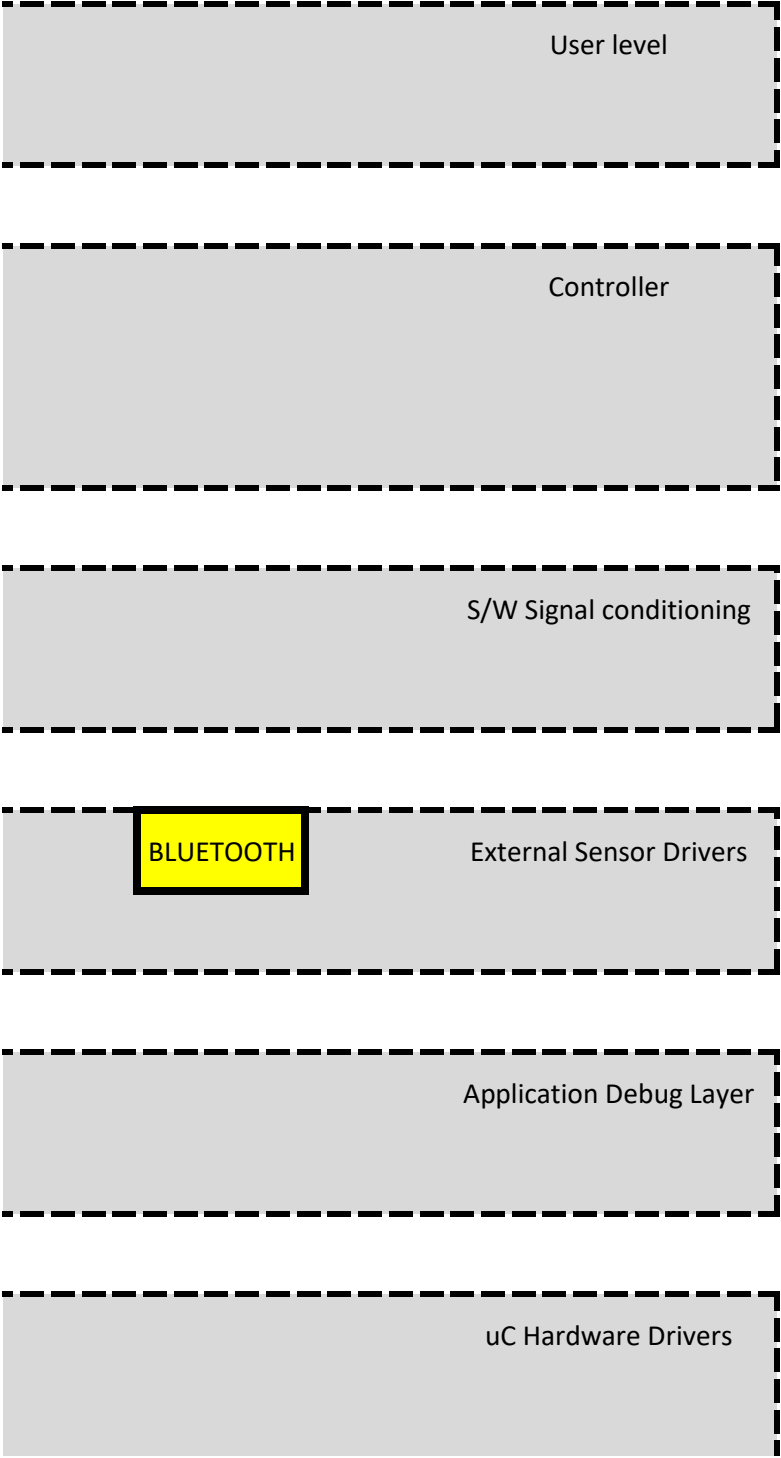
Buzzer

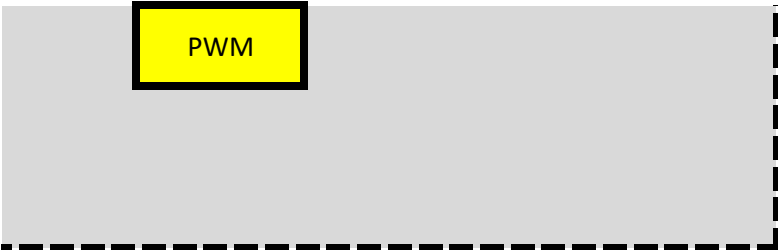
BLUETOOTH

Lights

Switched

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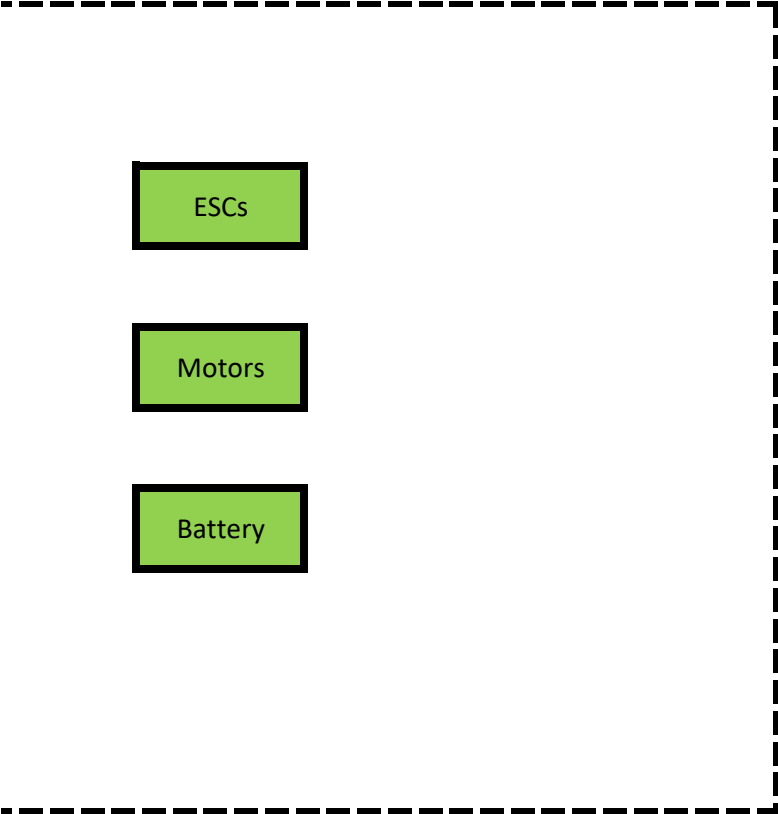




(Inside uC)



(Outside uC)



Have ideas but not implemented yet

Implemented and tested

Currently working on it

To be done next

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Not yet tested

Tested and working