

Gravitum Flight Control System

Version 0.1.1

Power_Supply



File: power_supply.kicad_sch

Navigation_Unit



File: navigation_unit.kicad_sch

Navigation_Peripherals



File: navigation_peripherals.kicad_sch

Flight_Control_Unit



File: flight_control_unit.kicad_sch

Flight_Control_Peripherals



File: flight_control_peripherals.kicad_sch

Other_Connections



File: other_connections.kicad_sch

Breno Soares Alves

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File: aircraft.kicad_sch

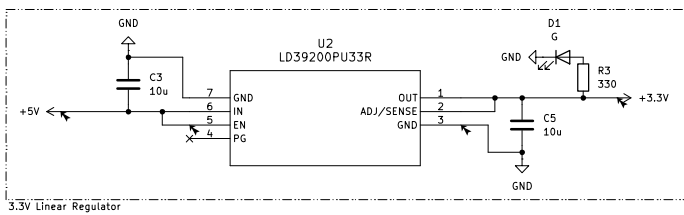
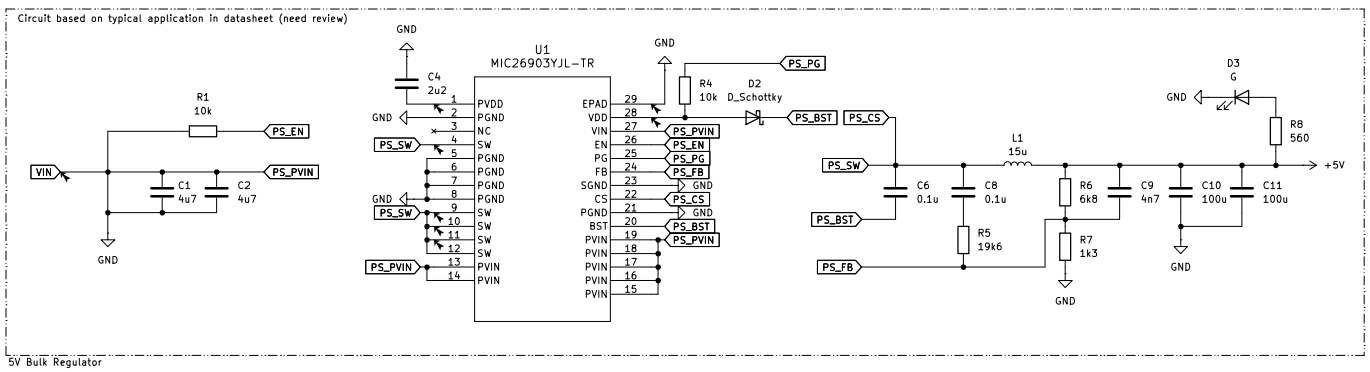
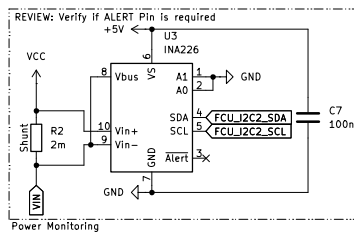
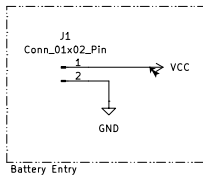
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KiCad E.D.A. 9.0.6

Date:

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Power Supply



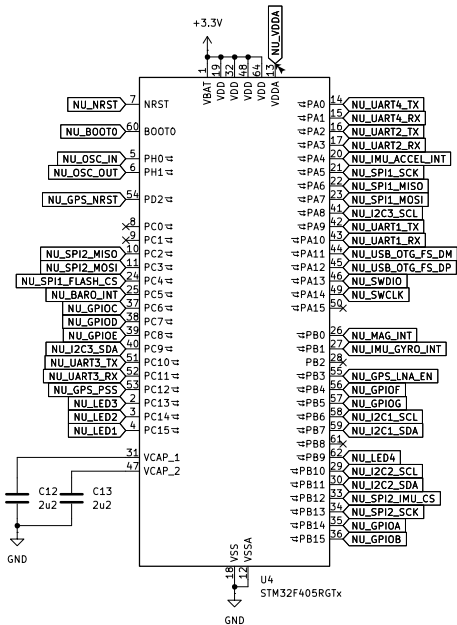
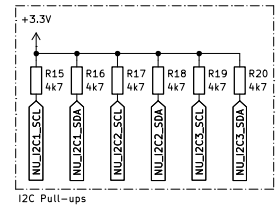
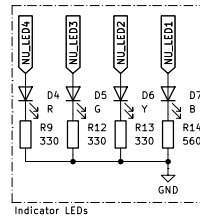
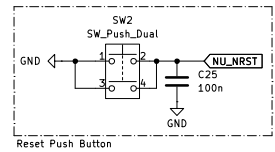
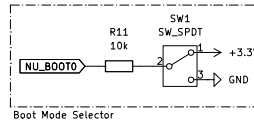
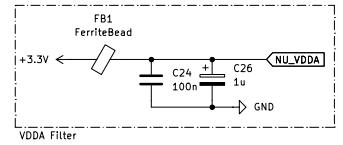
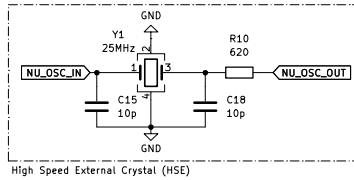
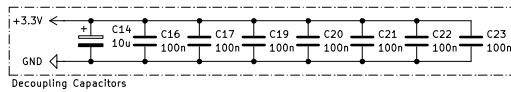
Breno Soares Alves
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File: power_supply.kicad_sch

Title: Power Supply

Size: A4	Date:	Rev: 0.1.0
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Navigation Unit

AN4488 – Getting started with STM32F4xxxx MCU hardware development
AN2606 – Introduction to system memory boot mode on STM32 MCUs
AN2867 – Guidelines for oscillator design on STM8AF/AL/S and STM32 MCUs/MPUs

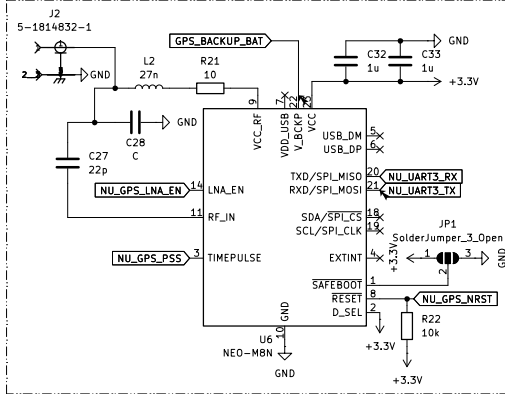


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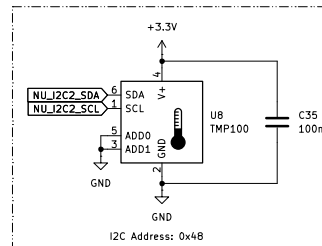
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Navigation Unit – Peripherals

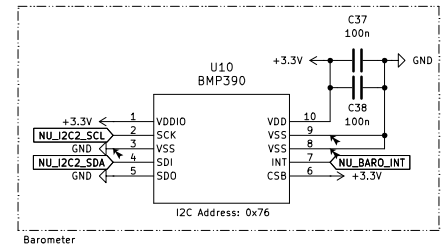
Need Review!!! Just to make sure



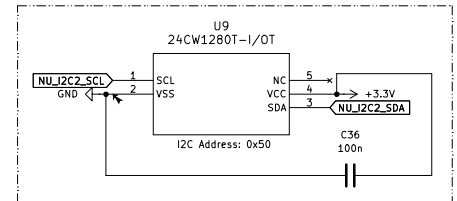
Global Navigation Satellite System



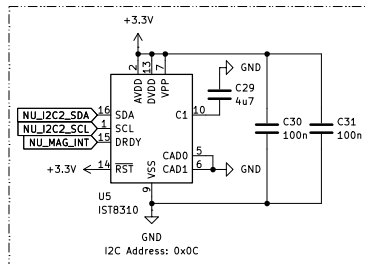
Temperature Sensor



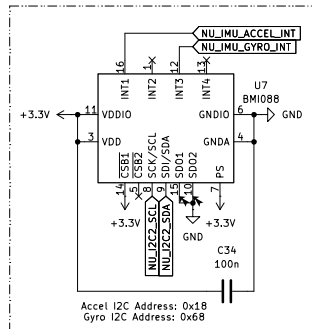
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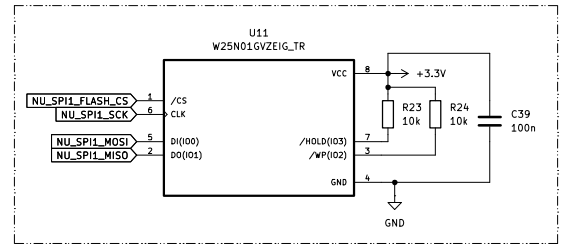
EEPROM



Magnetometer



Inertial Measurement Unit



Flash Memory

All I2C Address refers to 7-bit

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Sheet: /Navigation_Peripherals/

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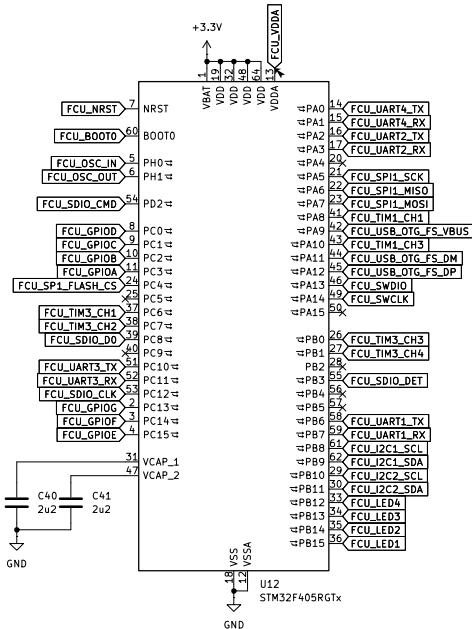
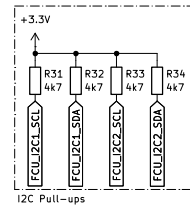
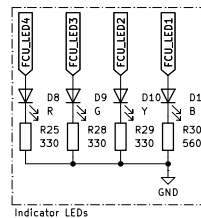
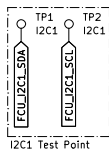
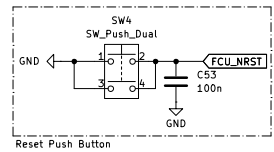
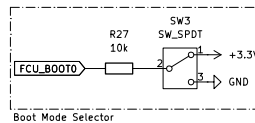
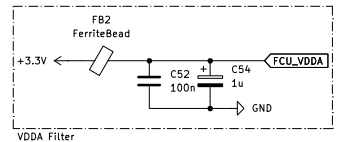
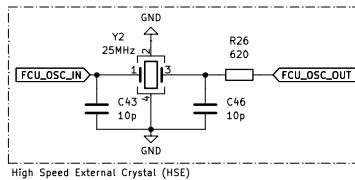
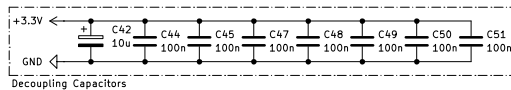
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Flight Control Unit

AN4488 – Getting started with STM32F4xxxxx MCU hardware development
AN2606 – Introduction to system memory boot mode on STM32 MCUs
AN2867 – Guidelines for oscillator design on STM32F4xx/STM32 MCUs/MPUs



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Size: A4

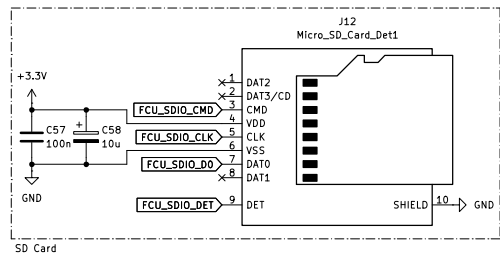
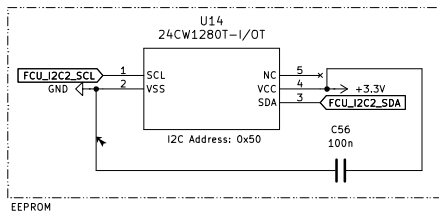
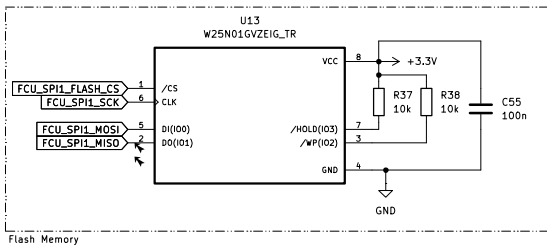
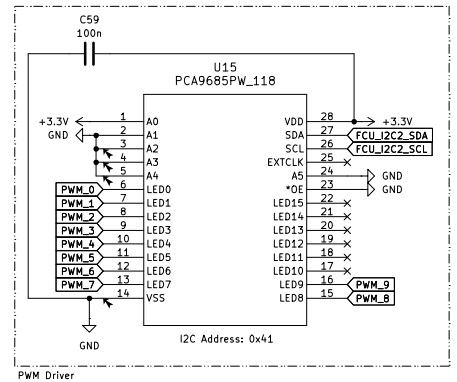
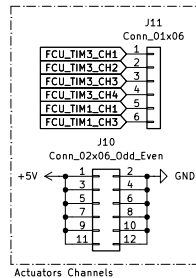
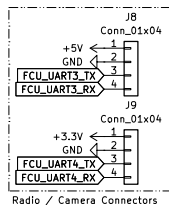
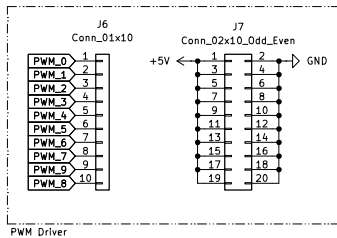
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Flight Control Unit – Peripherals



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File: flight_control_peripherals.kicad_sch

Title: Flight Control Unit – Peripherals

Size: A4

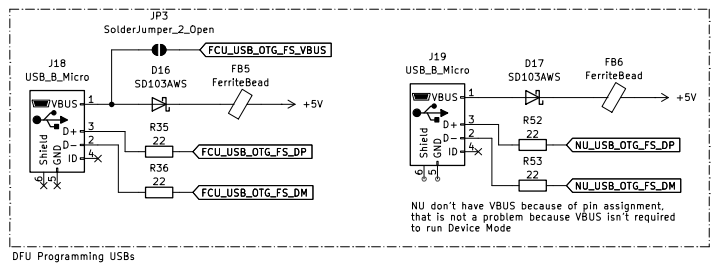
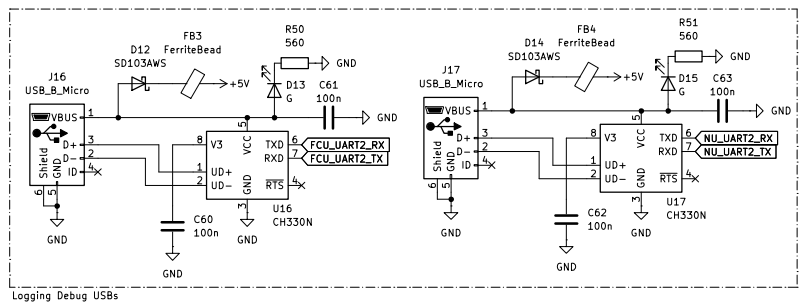
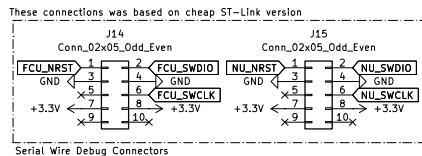
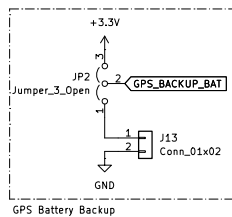
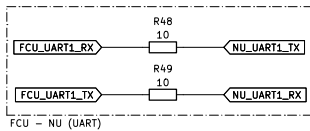
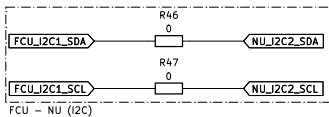
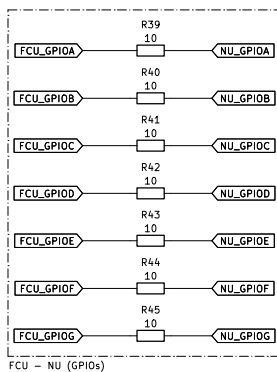
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Other Connections



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Title: Other Connections

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