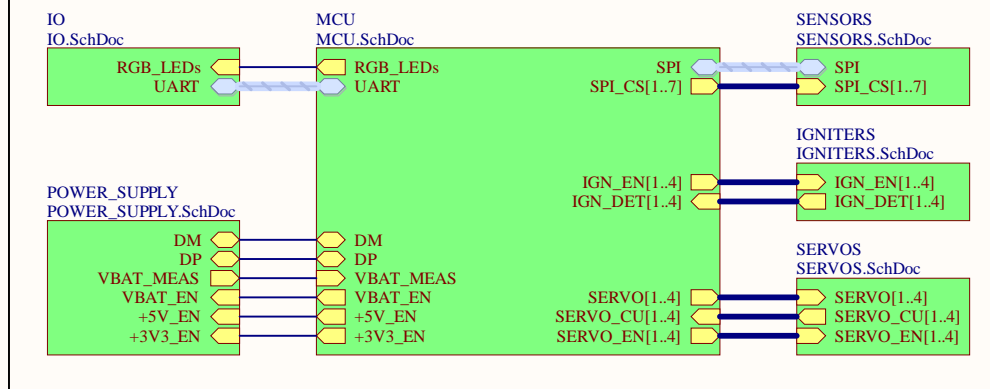


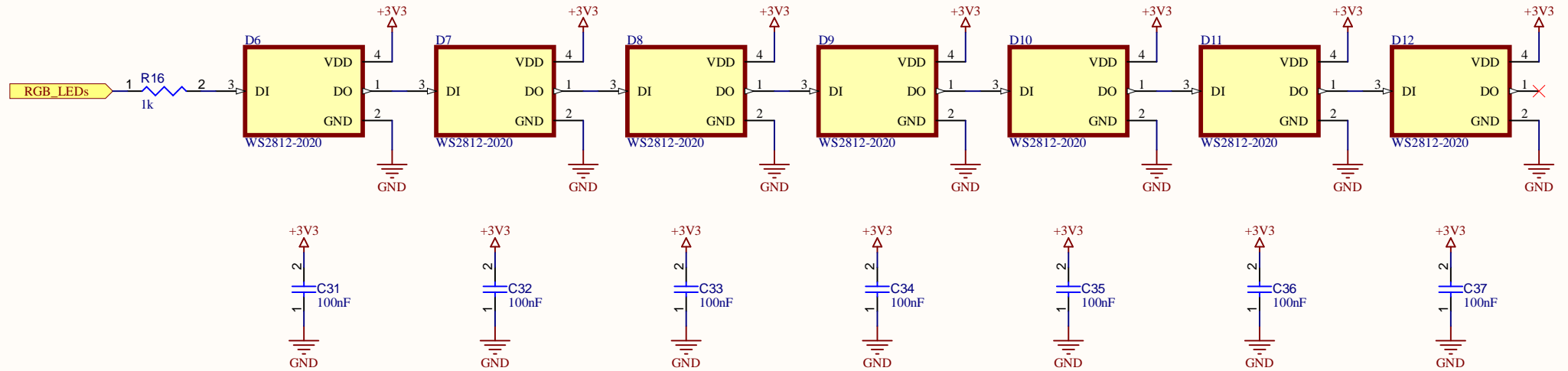
OBCv1.5

SYSTEM_OVERVIEW

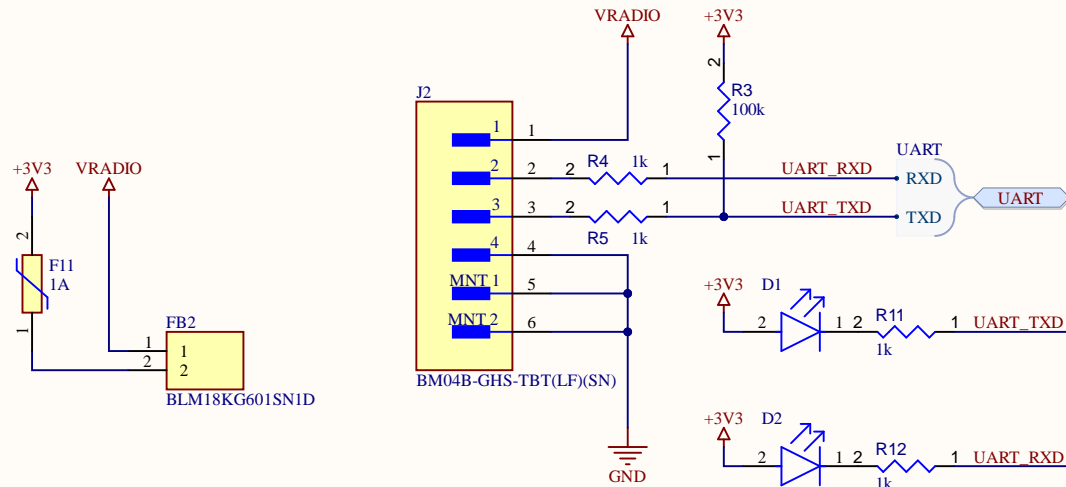


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Date:	4.15.2024	Sheet of
File:	C:\Users\...\MAIN_BOARD.SchDoc	Drawn By:

RGB_LEDs



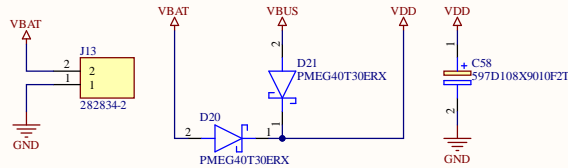
EXTERNAL_DATA_CONNECTORS



Title		
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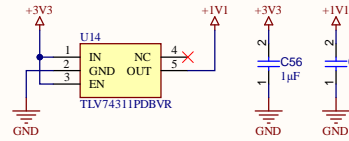
POWER_SUPPLY

POWER_SUPPLY



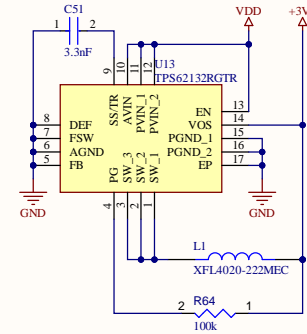
MCU_CORE_POWER

MAX 300mA OUTPUT CURRENT



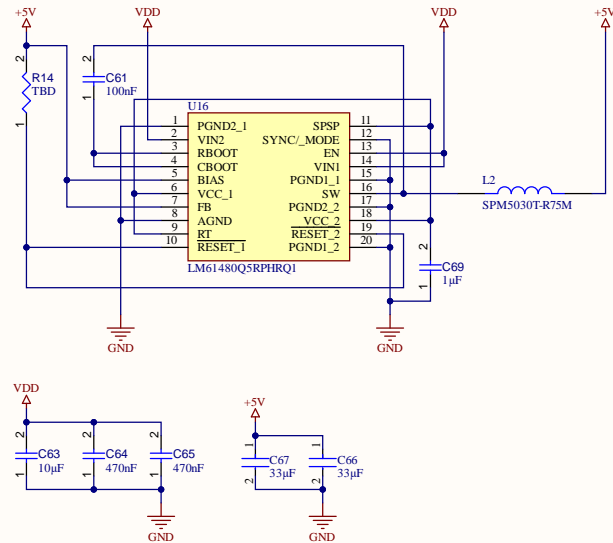
3.3V BUCK CONVERTER

MAX 3A OUTPUT CURRENT

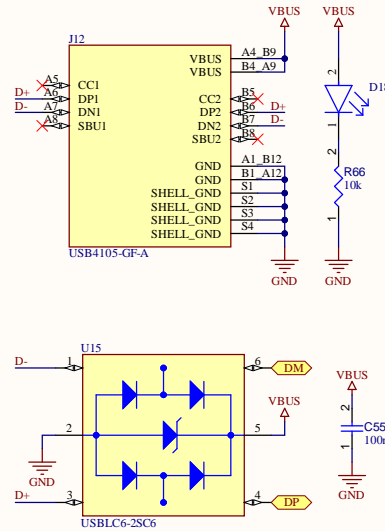


5V BUCK CONVERTER

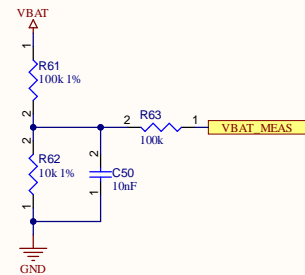
MAX 6A OUTPUT CURRENT



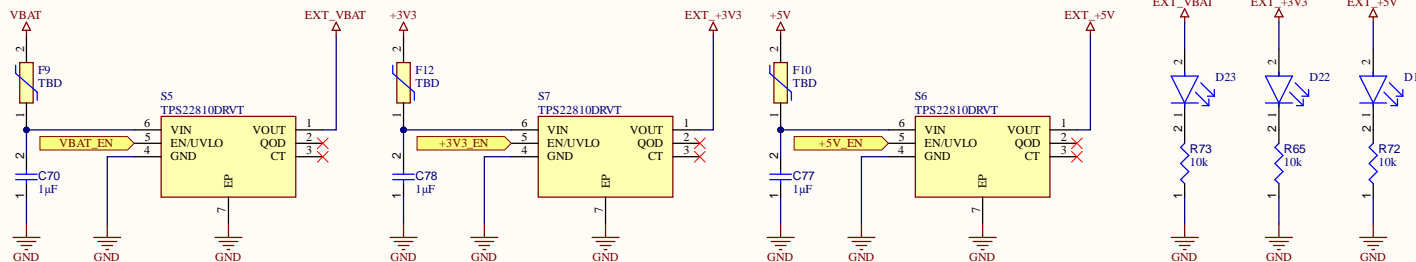
USB_C



VBAT_MEASURE



EXTERNAL_VOLTAGE



Title: OBCv1.5.PrjPcb
Author: *

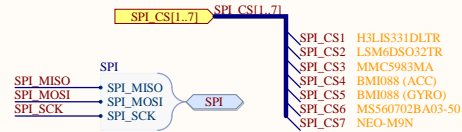
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Modified: 09.04.2024

Description: POWER_SUPPLY.SchDoc
Reviewers: *

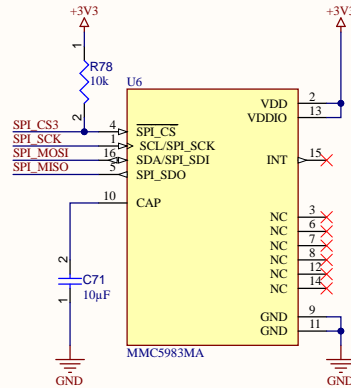


SENSORS

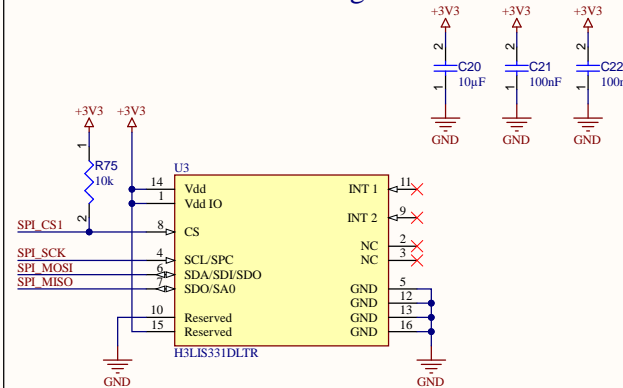
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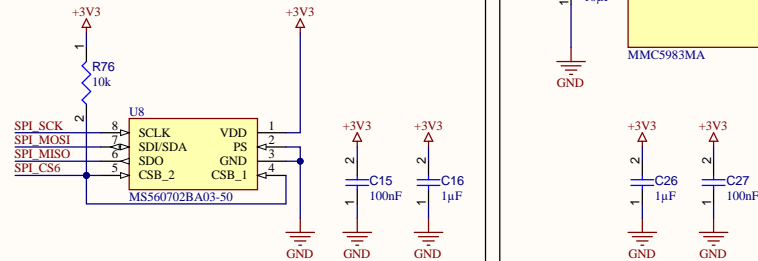
MAGNETOMETER



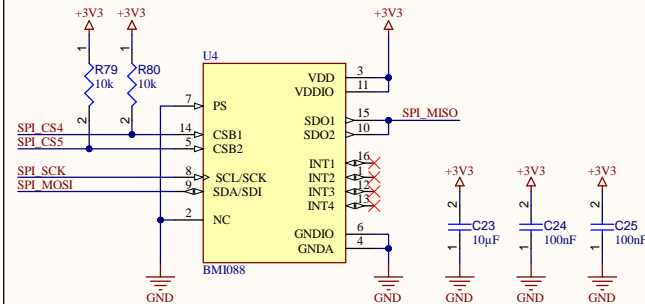
ACCELEROMETER 100g



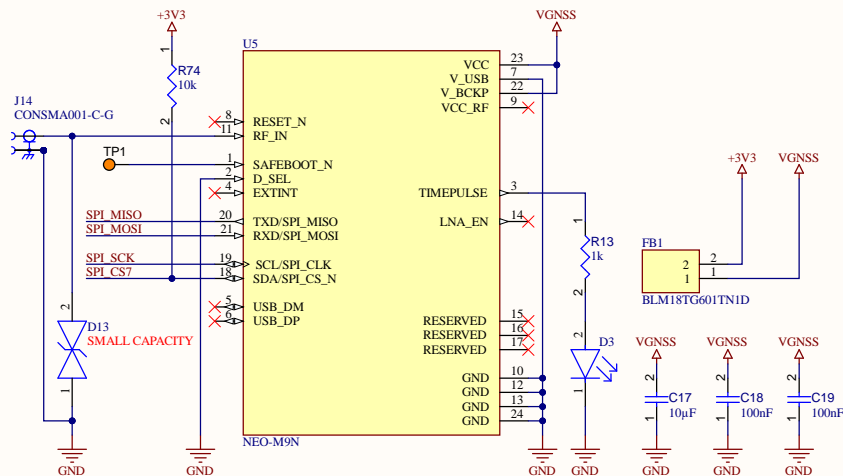
BAROMETER



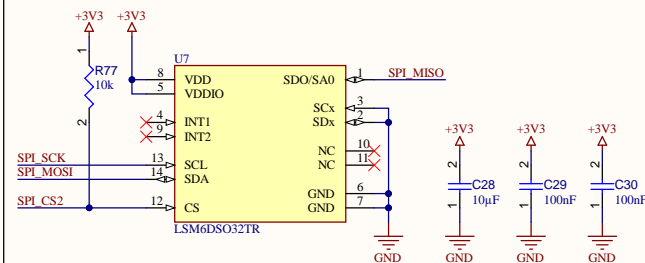
IMU 6DOF 24g



GPS



IMU 6DOF 32g



Title: OBCv1.5.PrjPeb
Author: *

Sheet number: 5
Modified: 09.04.2024

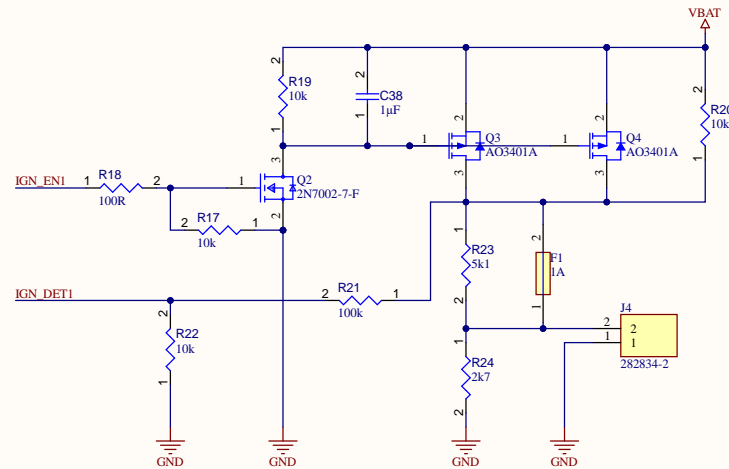
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Reviews: *

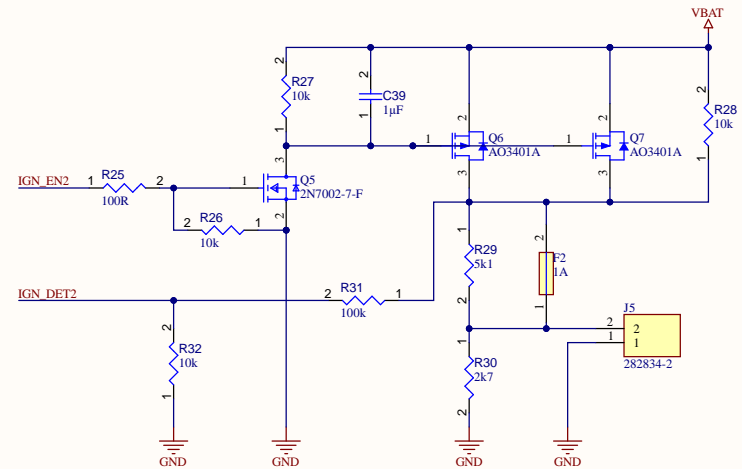


IGNITERS

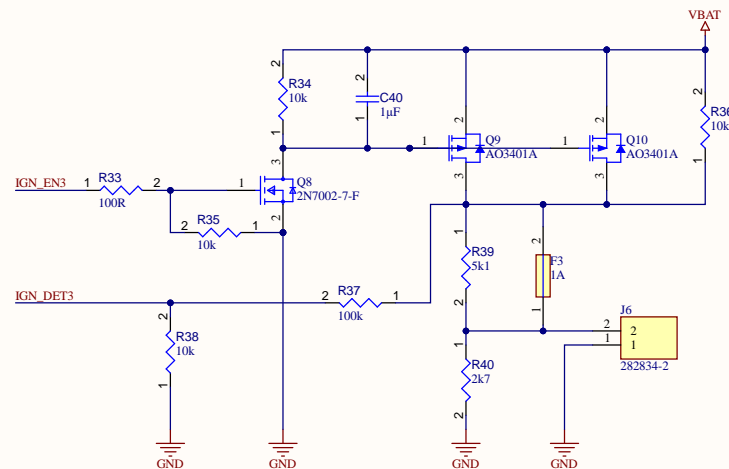
IGNITION_CIRCUT_1



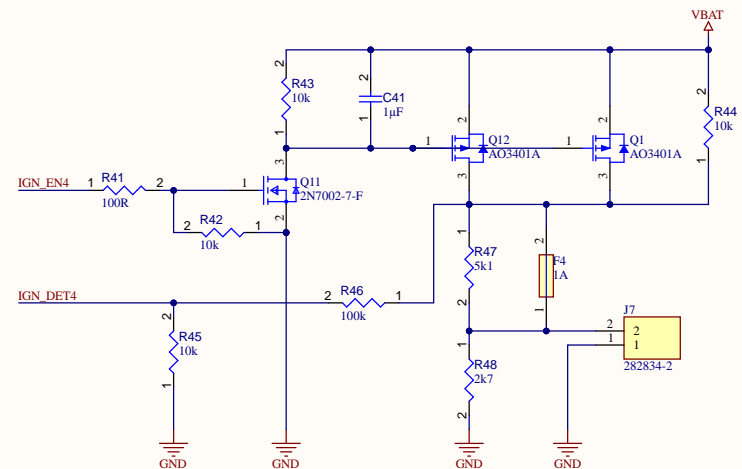
IGNITION_CIRCUT_2



IGNITION_CIRCUT_3



IGNITION_CIRCUT_4



SIGNALS

IGNITERS DETECTION & ENABLE SIGNALS



Title: OBCv1.5.PrjPcb
Author: *

Sheetnumber: 6
Modified: 28.03.2024

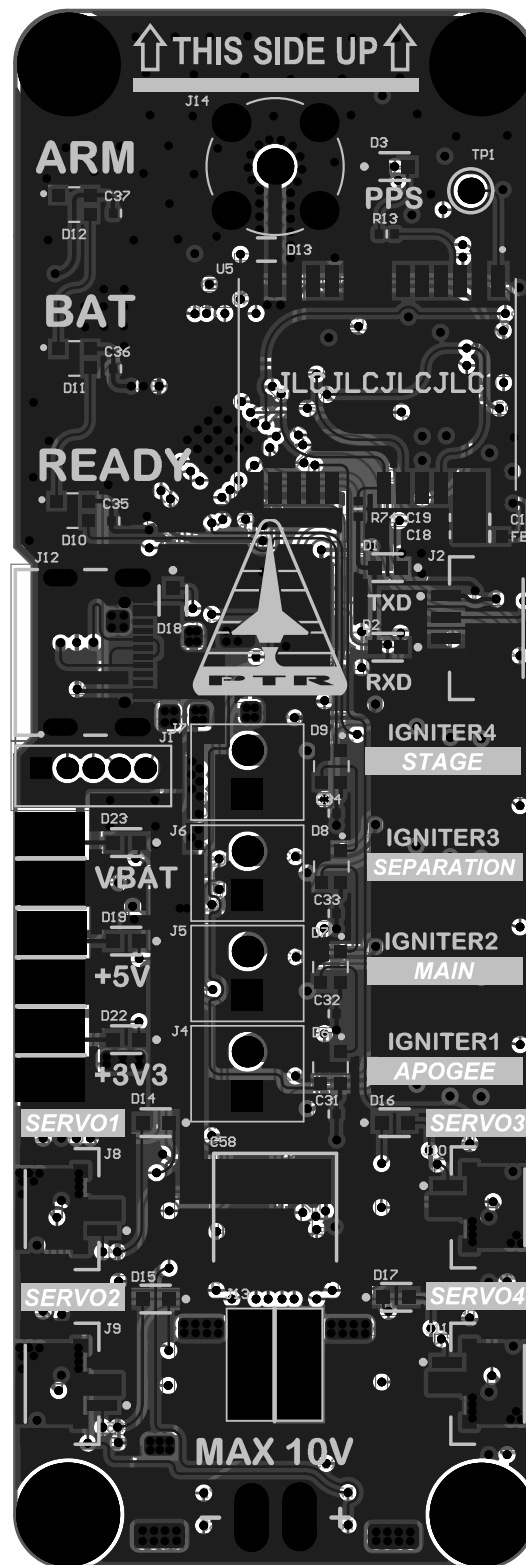
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Reviewers: *



MAX 1A OUTPUT CURRENT





[illegible]