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2

3

4

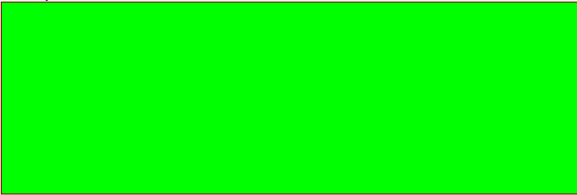
A

A

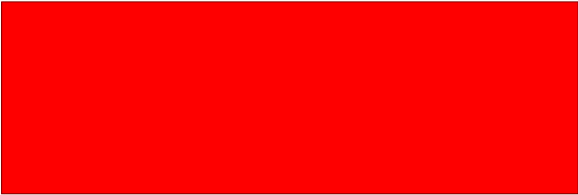
MCU  
MCU.SchDoc



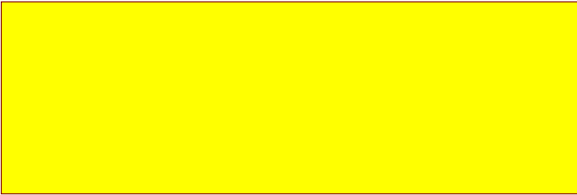
Peripherals  
Peripherals.SchDoc



Power  
Power.SchDoc



Connectors  
Connectors.SchDoc



B

B

C

C

D

D

Title Main Schematics of edirnekapi Flight Computer		
Size A4	Number 0	Revision A
Date:	9.16.2024	Sheet 1 of 5
File:	C:\Users\...\Main.SchDoc	Drawn By: Recep Sağlam

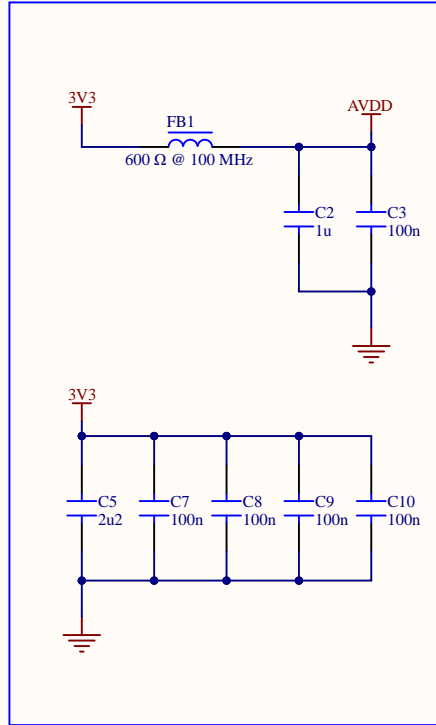
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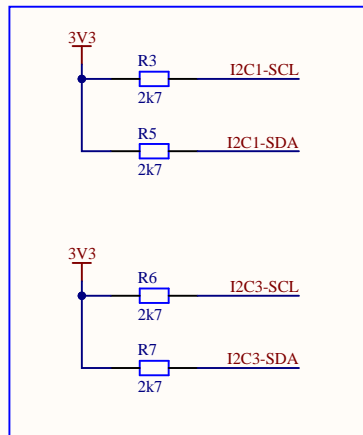
3

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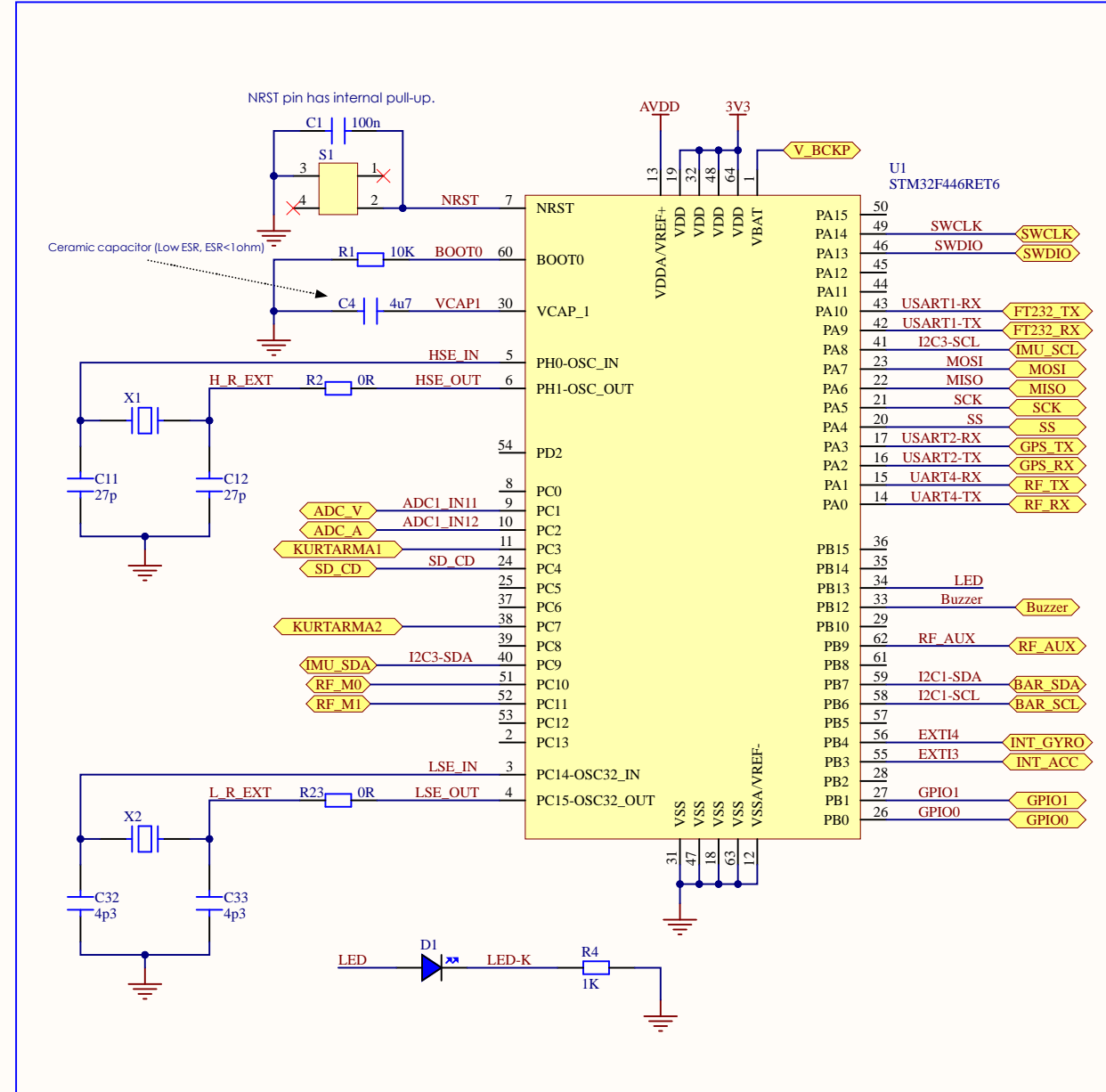
## Decoupling Capacitors



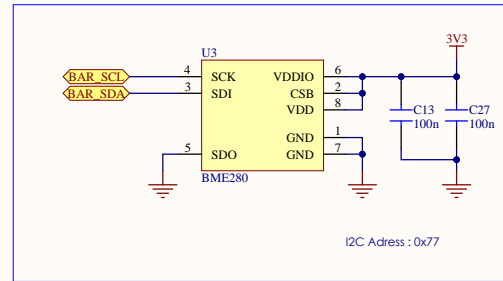
## I2C Pull-Up Resistors



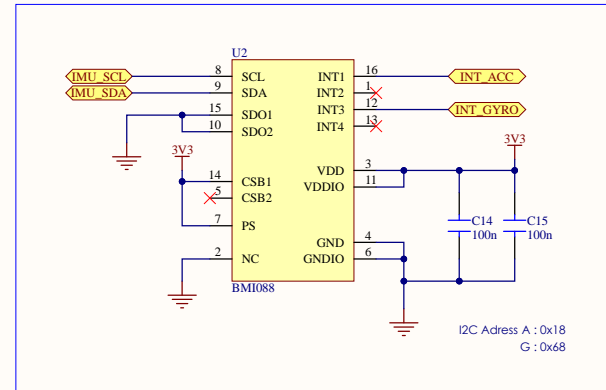
## STM32F446RET6



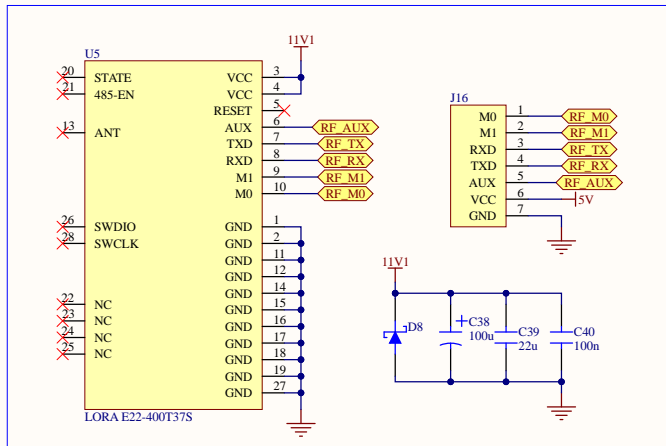
### BME280 Pressure Sensor



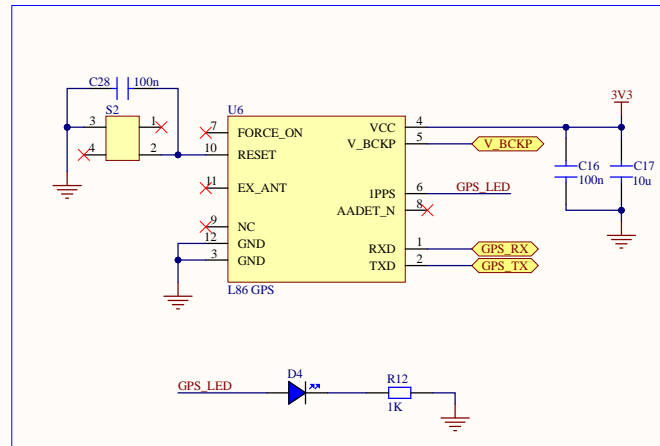
### BMI088 Inertial Measurement Unit



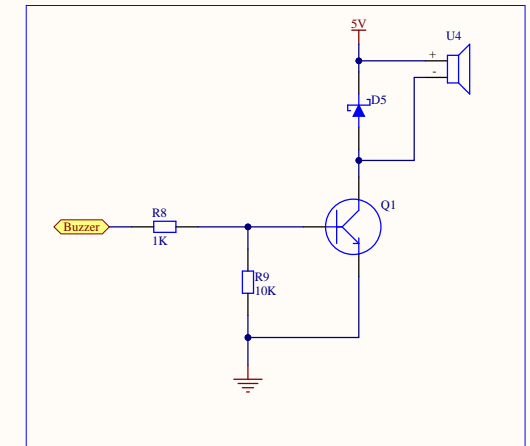
### LoRa E22-400T37S



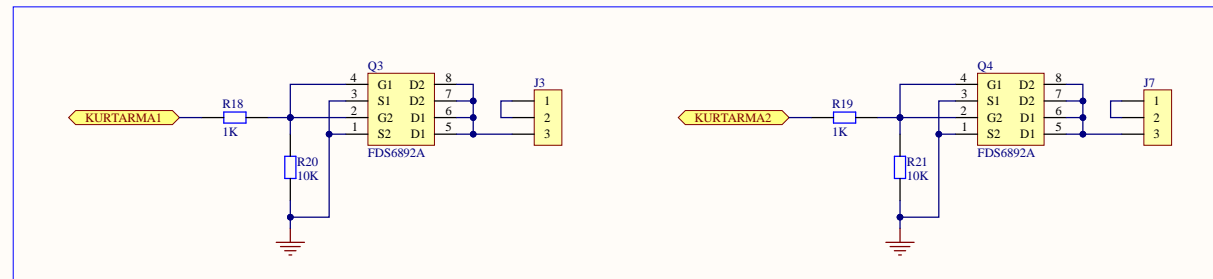
### L86 GPS



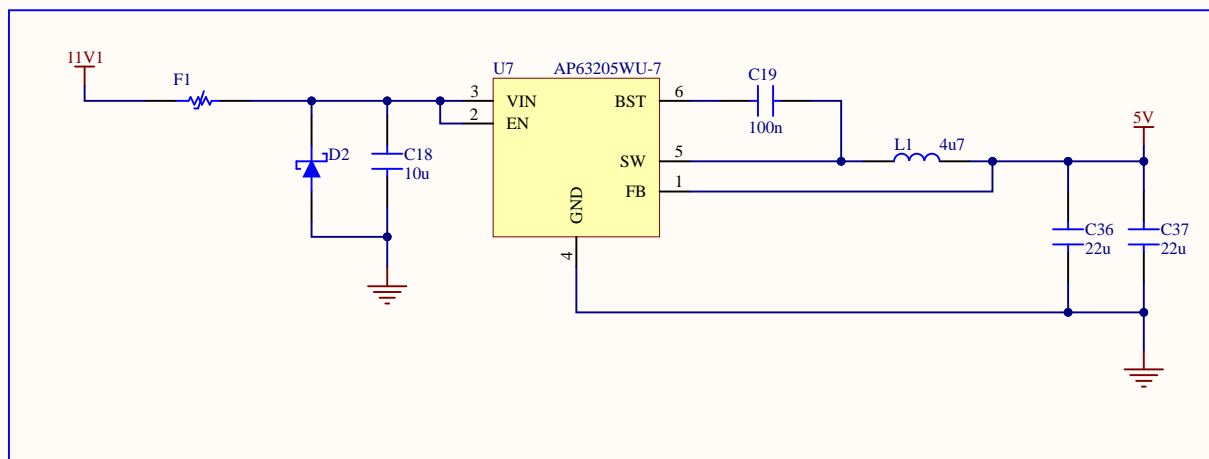
### YX-YT9503 BUZZER



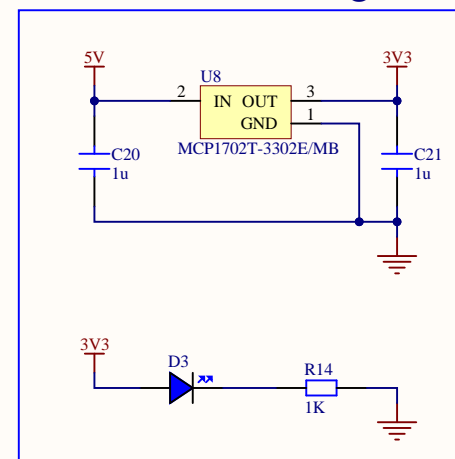
### FDS6892A N-CHANNEL MOSFET



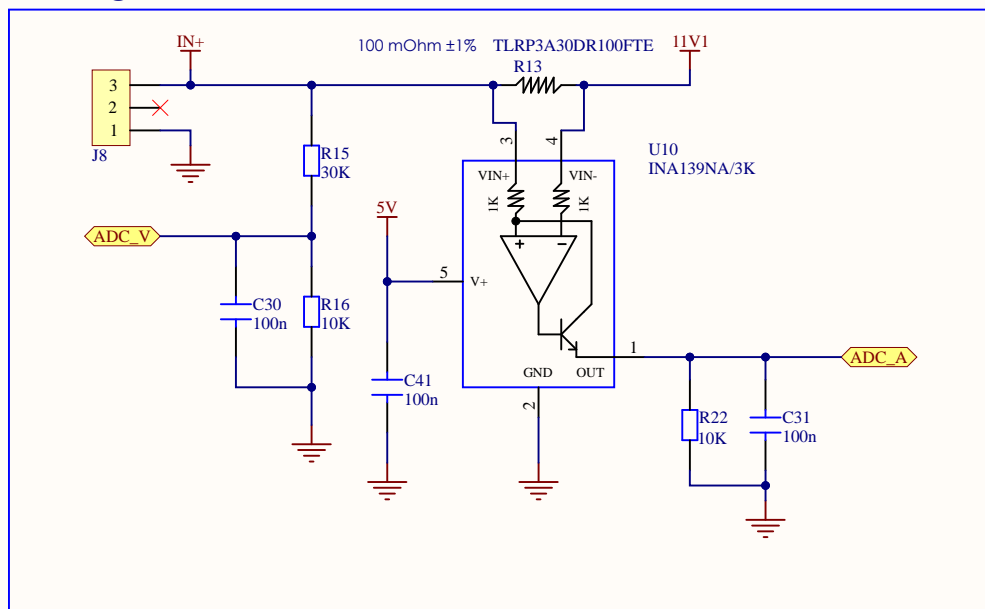
## AP63205 Buck Converter



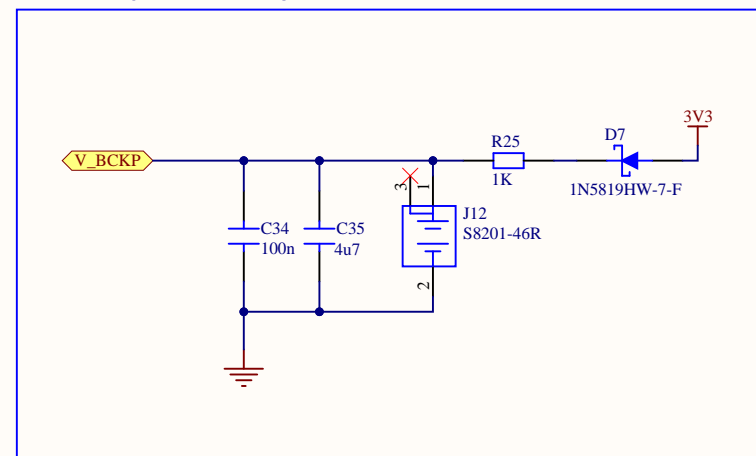
## MCP1702T 3V3 Regulator



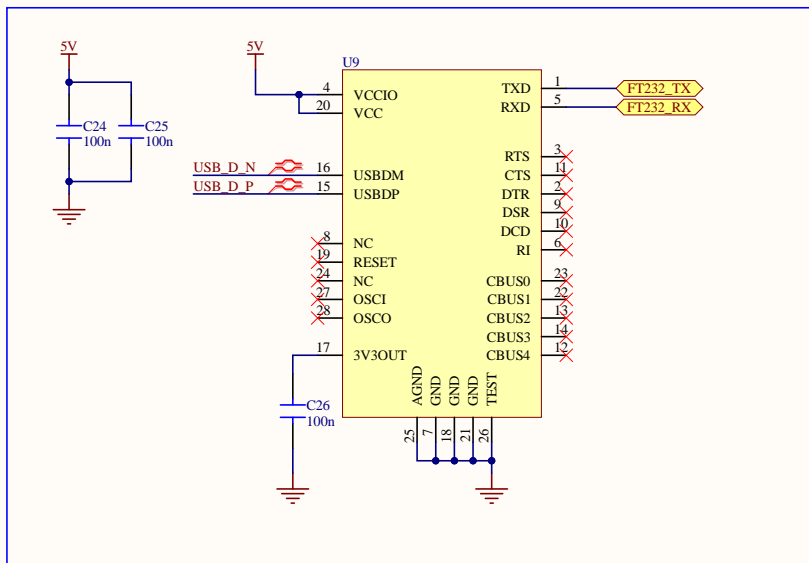
## Voltage and Current Sense



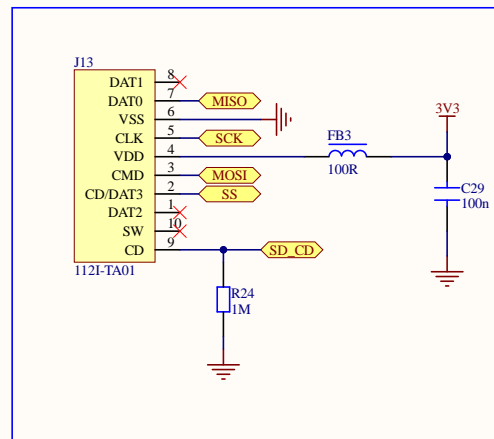
## Backup Battery



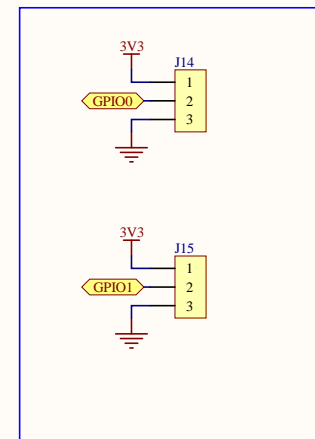
## FT232RL USB to Serial Interface



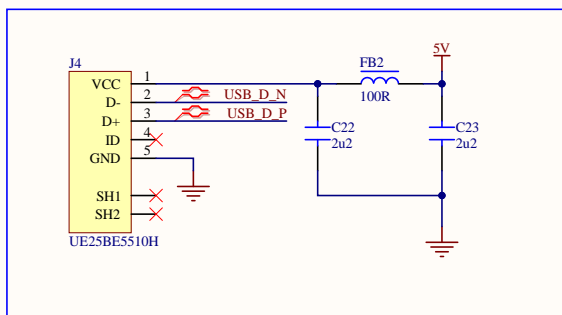
## Micro SD Card Connector



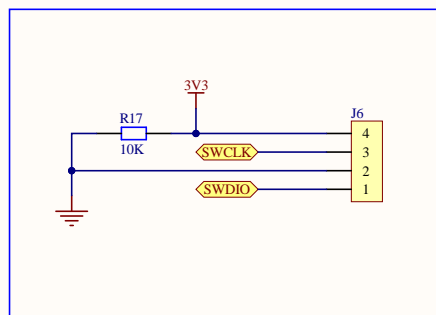
## GPIO Connectors



## USB MINI - B Connector



## ST-LINK V2 Connector



## I2C Connectors

