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3

4

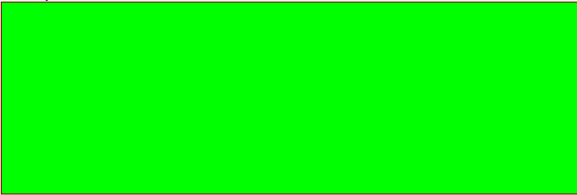
A

A

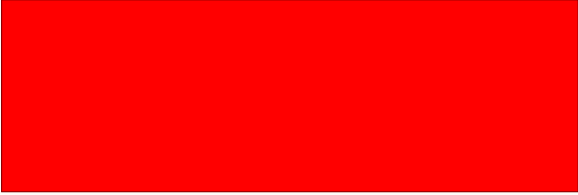
MCU
MCU.SchDoc



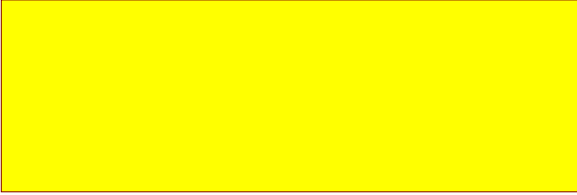
Peripherals
Peripherals.SchDoc



Power
Power.SchDoc



Connectors
Connectors.SchDoc



B

B

C

C

D

D

Title Main Schematics of edirnekapi Flight Computer		
Size A4	Number 0	Revision 1
Date:	2.07.2024	Sheet 1 of 5
File:	C:\Users\...\Main.SchDoc	Drawn By: aeronist

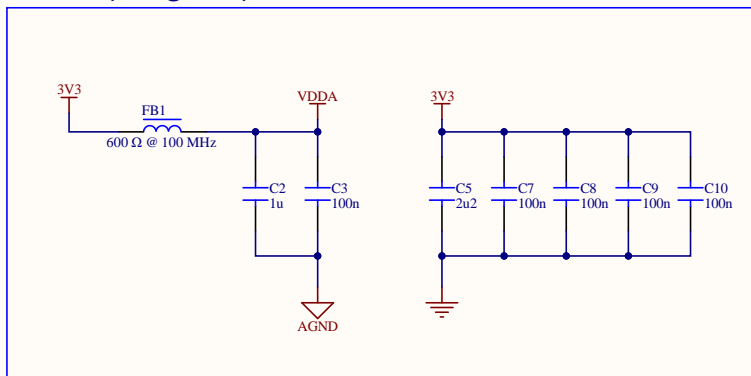
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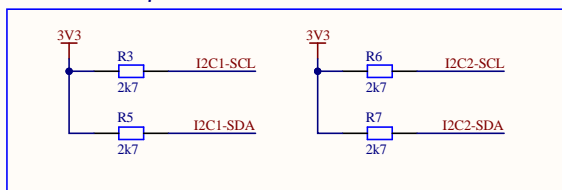
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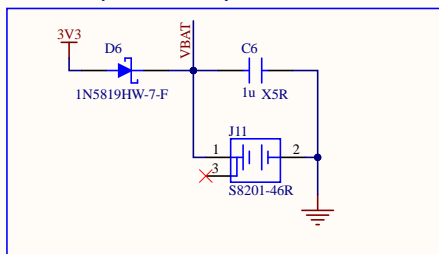
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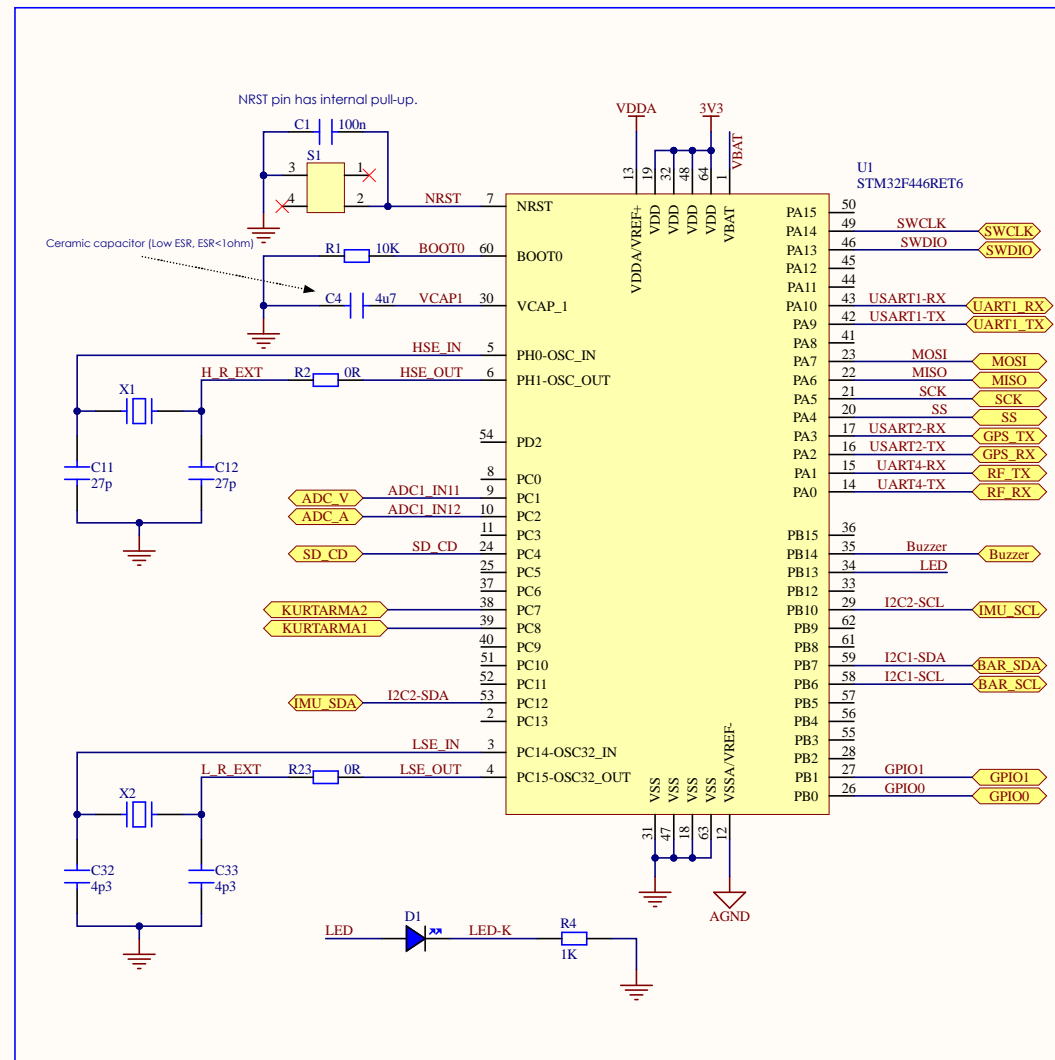
I2C Pull-Up Resistors



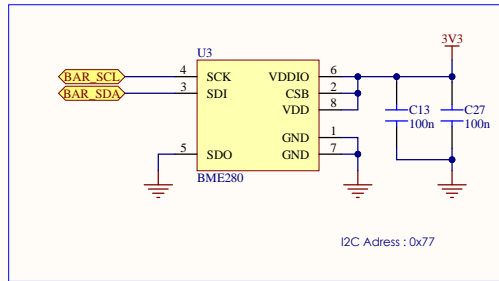
Backup Battery



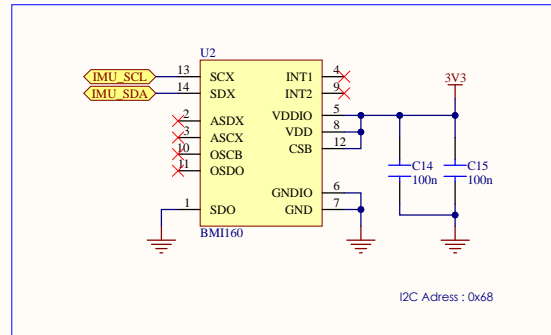
STM32F446RET6



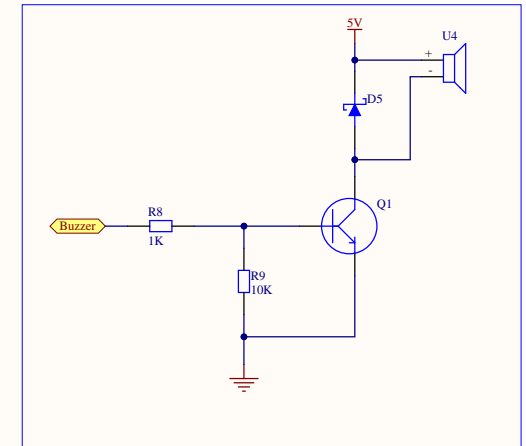
BME280 Pressure Sensor



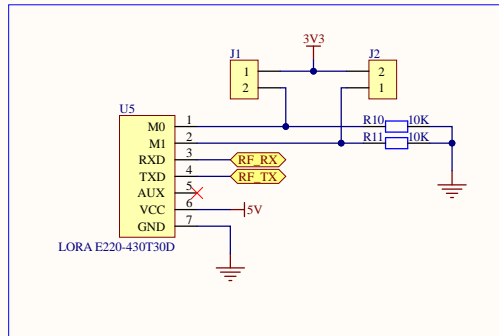
BMI160 IMU



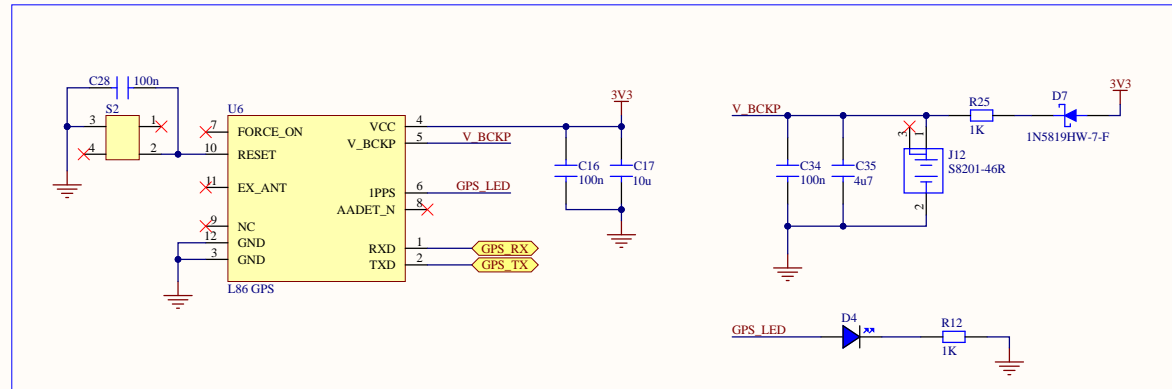
YX-YT9503 BUZZER



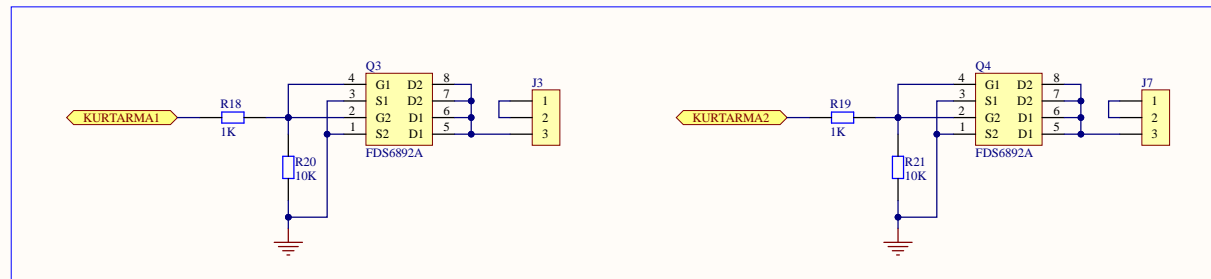
LoRa E220-400T30D



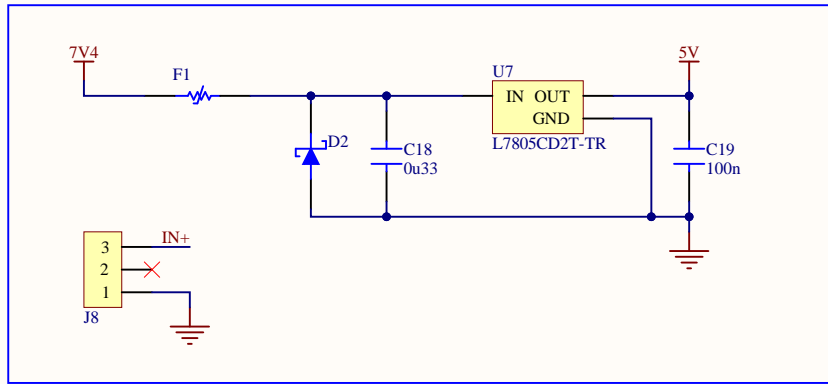
L86 GPS



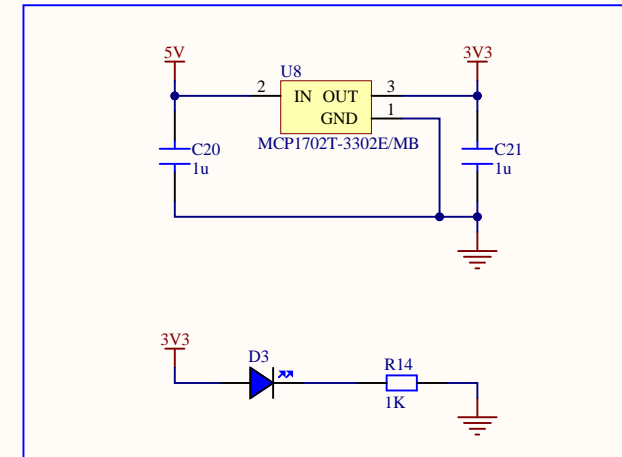
FDS6892A N-CHANNEL MOSFET



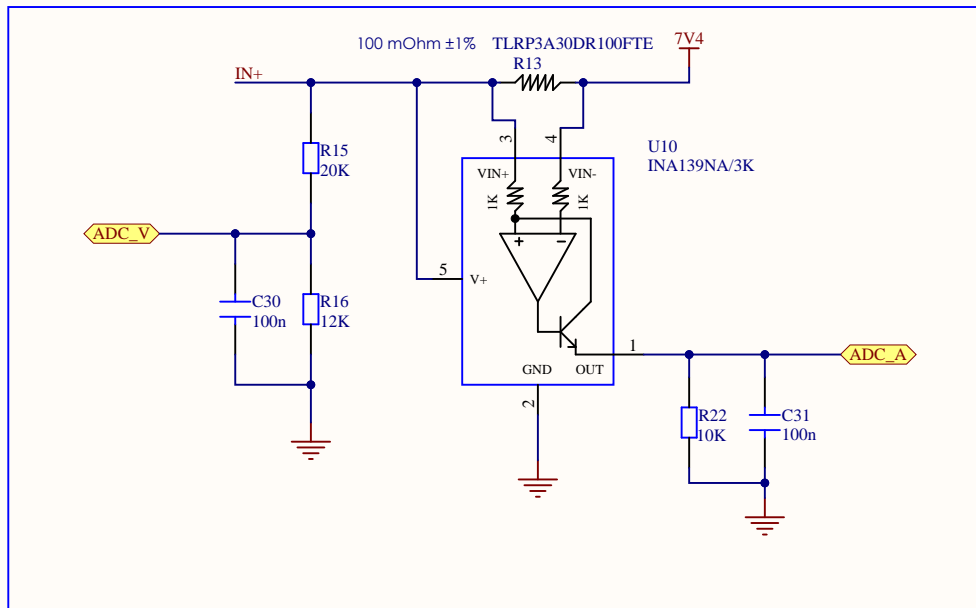
L7805CD2T-TR 5V Regulator



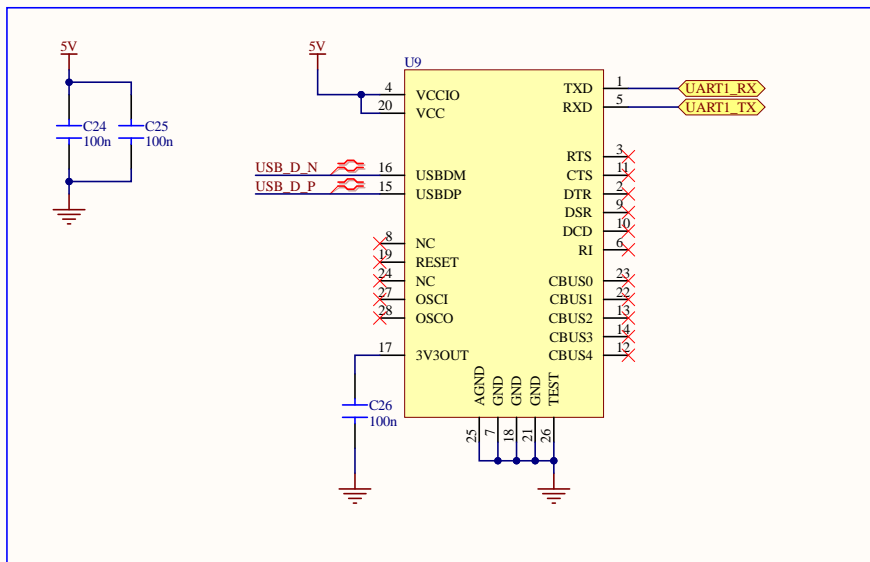
MCP1702T 3V3 Regulator



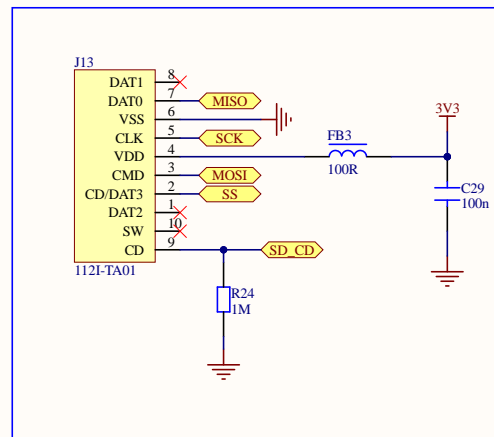
Voltage and Current Sense



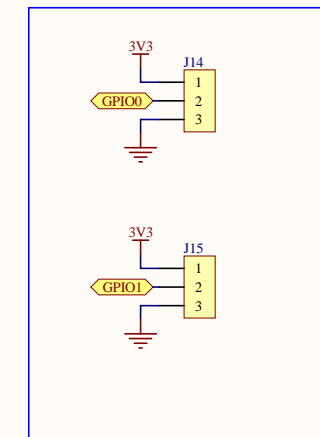
FT232RL USB to Serial Interface



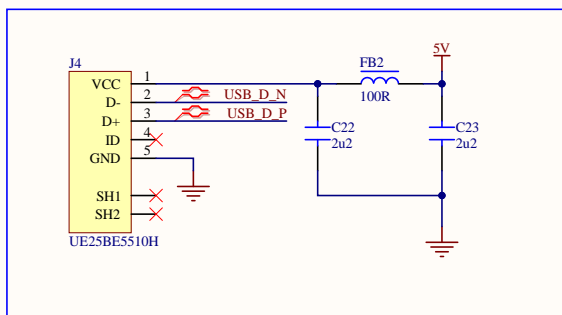
Micro SD Card Connector



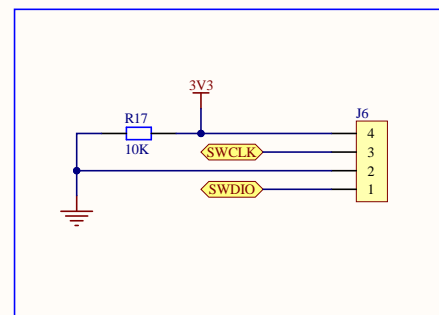
GPIO Connectors



USB MINI - B Connector



ST-LINK V2 Connector



I2C Connectors

