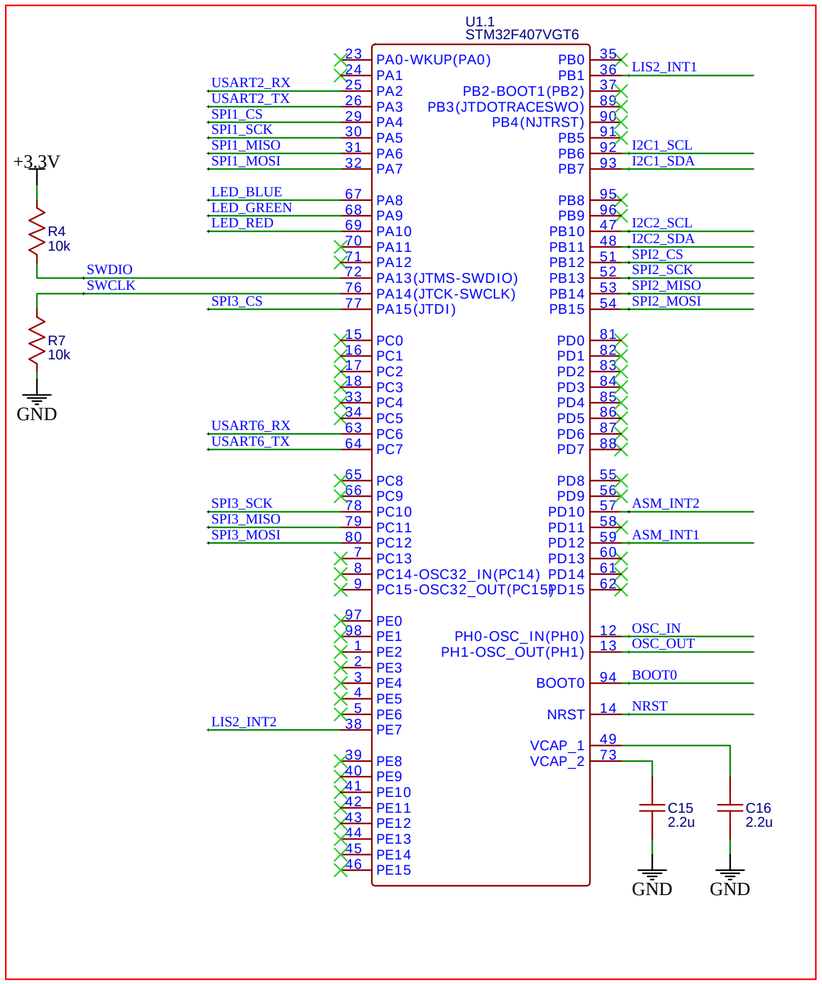
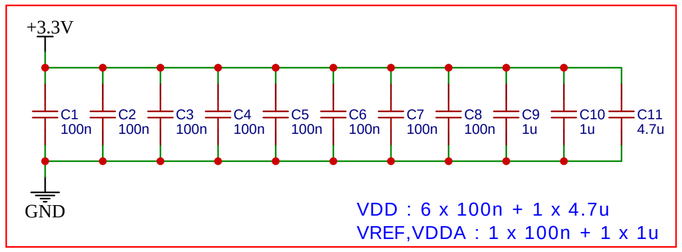
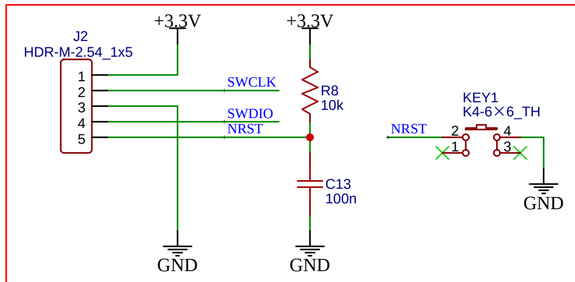
## MCU 1



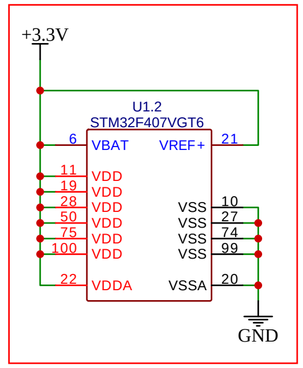

## DECOUPLING CAPACITORS



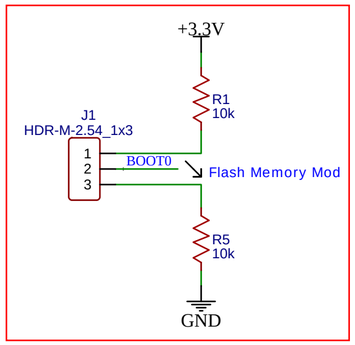

## SWD & RESET



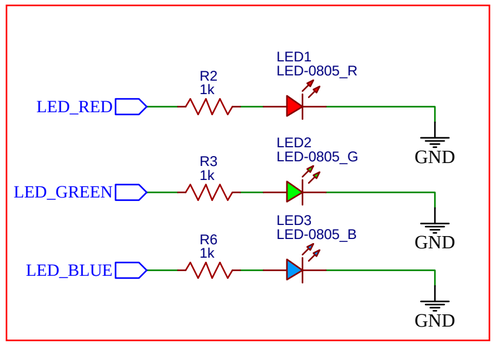

## MCU 2



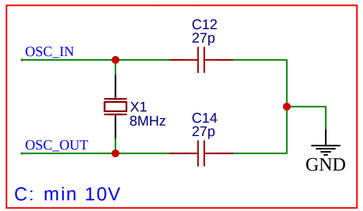

## BOOT




## LEDs

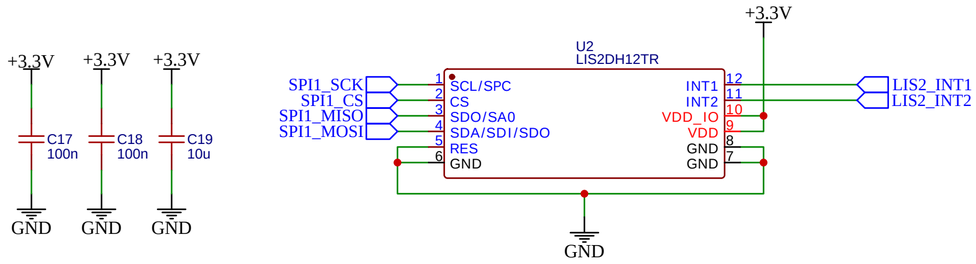



## CRYSTAL



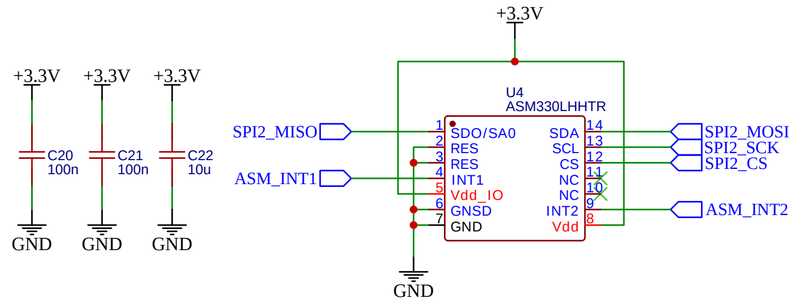

| | | |
|---|---|---|
| TITLE: Microcontroller | | REV: 1.0 |
| EasyEDA | Company: Erciyes University | Sheet: 1/3 |
| | Date: 2025-04-29 Drawn By: asimyasin | |

## LIS2DH12 ACCELEROMETER



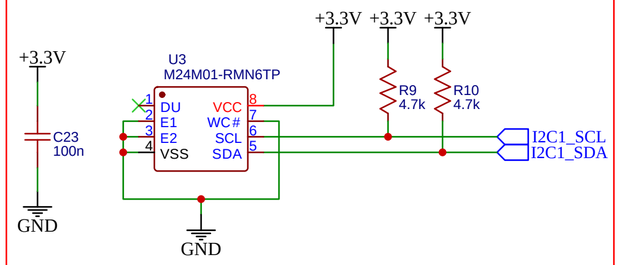

VDD : 100n + 10u

## ASM330LHH GYROSCOPE




VDD : 100n + 10u

## EEPROM




0x50 (A16=0 için adres 0x0000 – 0x0FFFF aralığı)

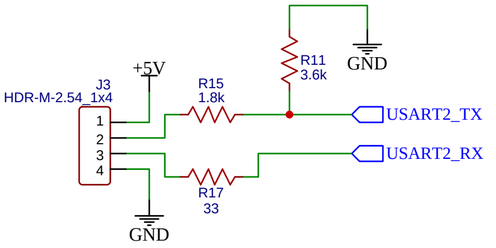
0x51 (A16=1 için adres 0x10000 – 0x1FFFF aralığı)

## LIS2MDL MAGNETOMETER

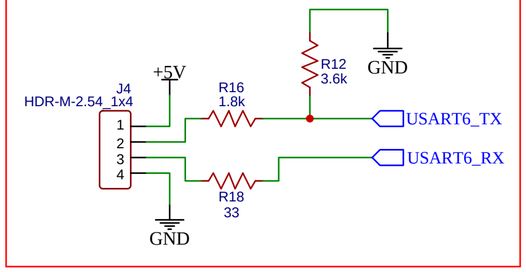



VDD : 100n + 10u

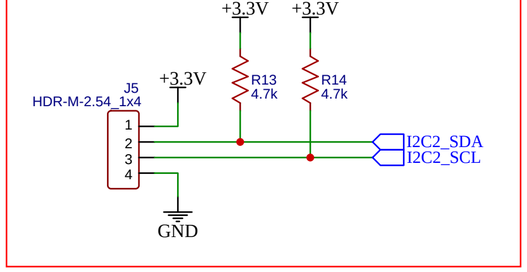
## UART CONNECTOR 1 (5V)




## UART CONNECTOR 2 (5V)

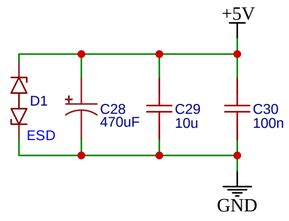



## I2C2 CONNECTOR

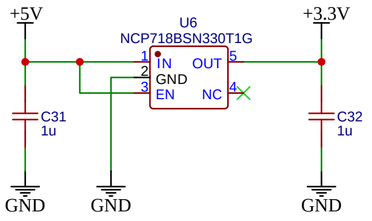



| | | |
|---|---|---|
| TITLE: Modules | | REV: 1.0 |
| EasyEDA | Company: Erciyes University | Sheet: 2/3 |
| | Date: 2025-04-29 Drawn By: asimyasin | |

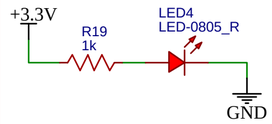
## POWER INPUT




## 5V TO 3V3 CONVERTER




## POWER LED




| | | |
|---|---|---|
| TITLE: Power Management | | REV: 1.0 |
| EasyEDA | Company: Erciyes University | Sheet: 3/3 |
| | Date: 2025-04-29 Drawn By: asimyasin | |