

ControlComputer

STM32H743VIT6 Pins Connections

Voltage Read

Filters

Stm32h743 Requirments

File: ControlComputer.kicad_sch

- H1
- MountingHole
- H2
- MountingHole
- H3
- MountingHole
- H4
- MountingHole
- H5
- MountingHole
- H6
- MountingHole

Power

15V to 5V

5V to 3.3V

File: Power.kicad_sch

Connections

USB Port

PWM Outputs

UART.I2C

GPS Pins

2X20 RASBERRY PI 0 COMPATIBLE PINS

File: Connections.kicad_sch

Sensors

IMU:BMIO88

Pressure Sensor:BMP388

Compass:BMM150

EEPROM:24AA0IT

File: Sensors.kicad_sch

RF Telemetry

Telemetry

File: RF Telemetry.kicad_sch

Stm32 F7 Control Cart

YENIAY

Sheet: /

File: CC_M7.kicad_sch

Title: CC M7

Size: A4

Date:

Rev:

KiCad E.D.A. 8.0.6

Id: 1/6

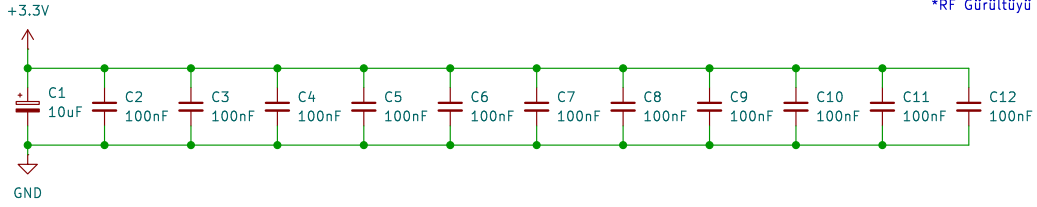
1

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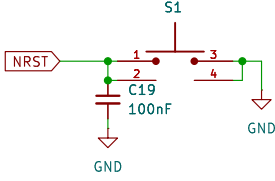
3

4

*Güç Kaynağı Gürültüsünü Filtreleme
*Geçici Akım Taleplerini Karşılama
*RF Gürültüyü Bastırma

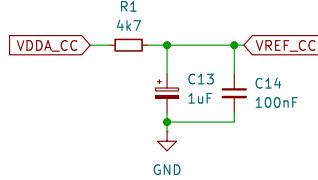


DECOUPLING



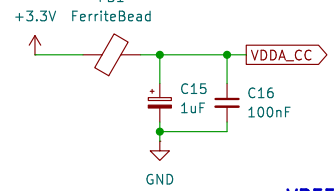
RESET

*Analog devrelere temiz bir güç beslemesi sağlamak

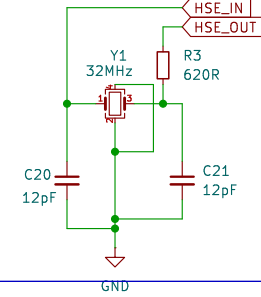
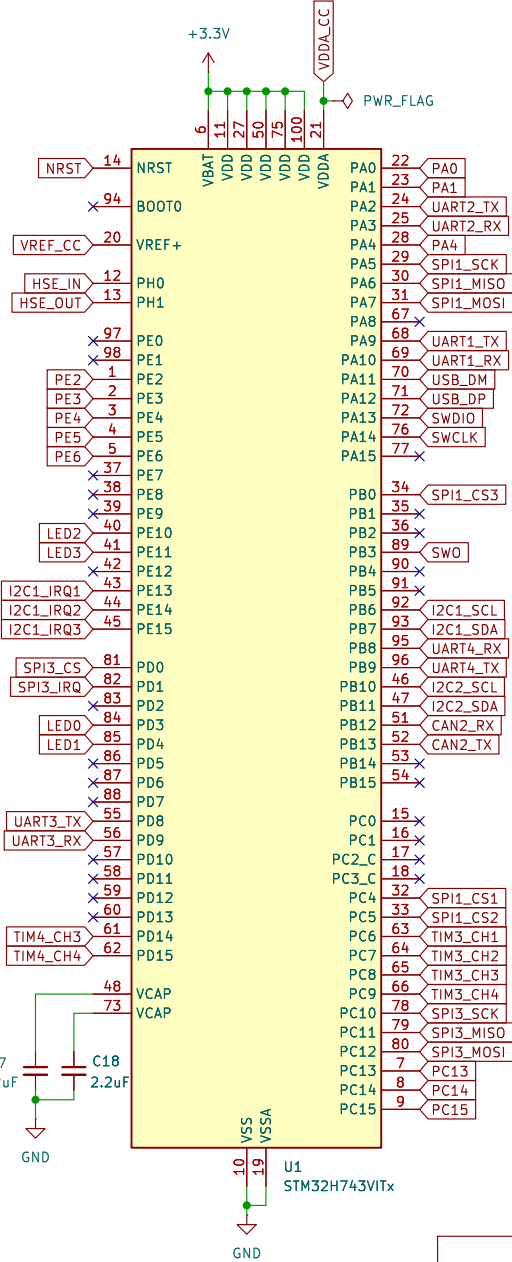


VDDA FILTER

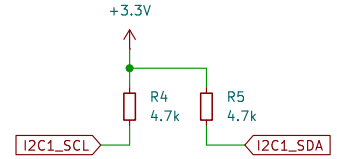
*Analog devrelerin referans voltajını kararlı hale getirmek



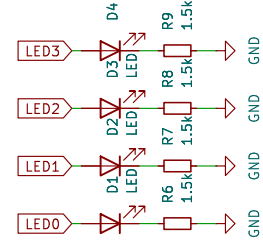
VREF FILTER



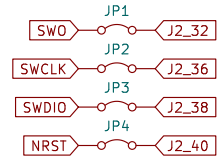
OSC STM32



I2C PULL_UP



LEDS



YENIAY

Sheet: /ControlComputer/
File: ControlComputer.kicad_sch

Title: STM32H743

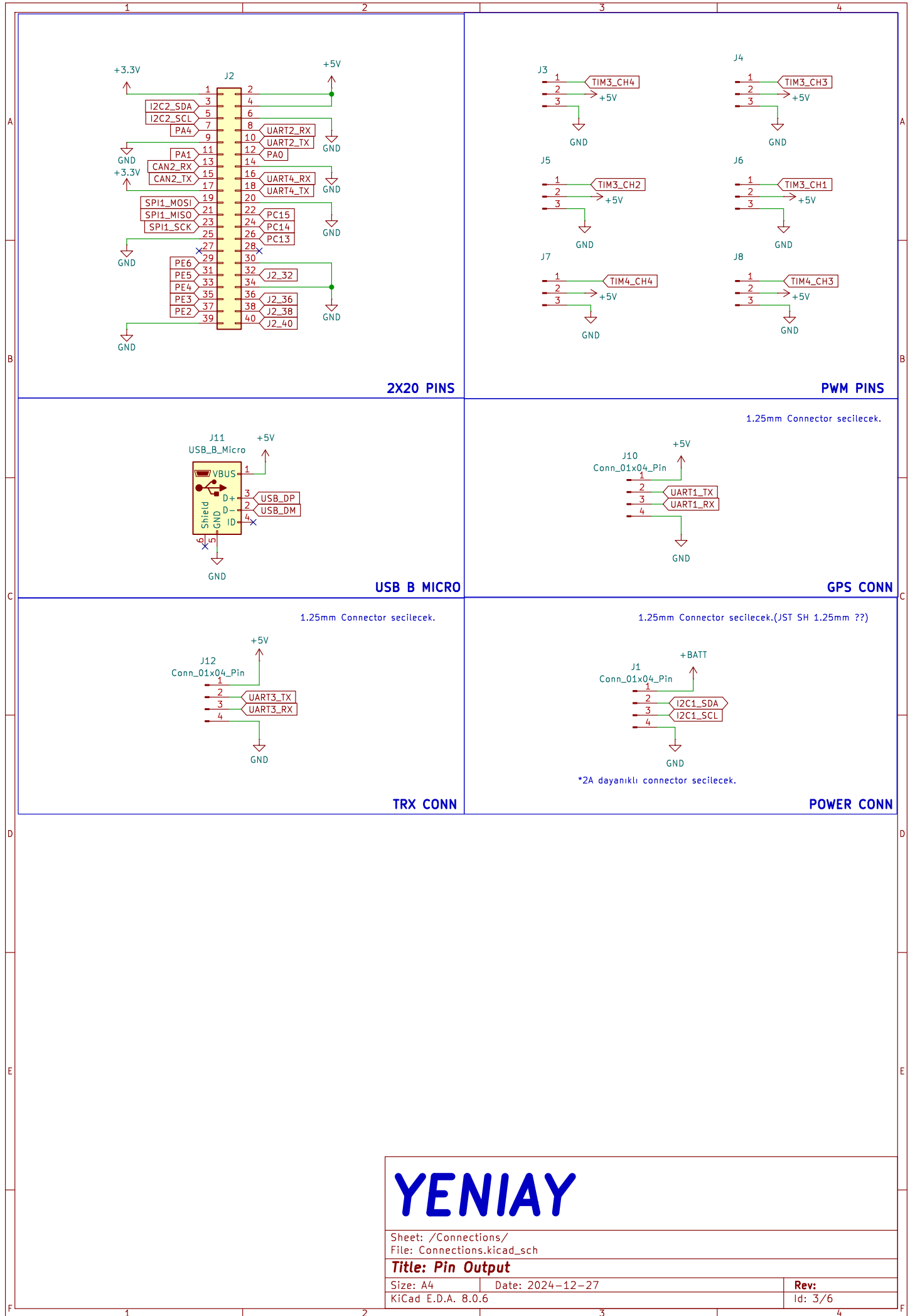
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Date:

Rev:

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Id: 2/6



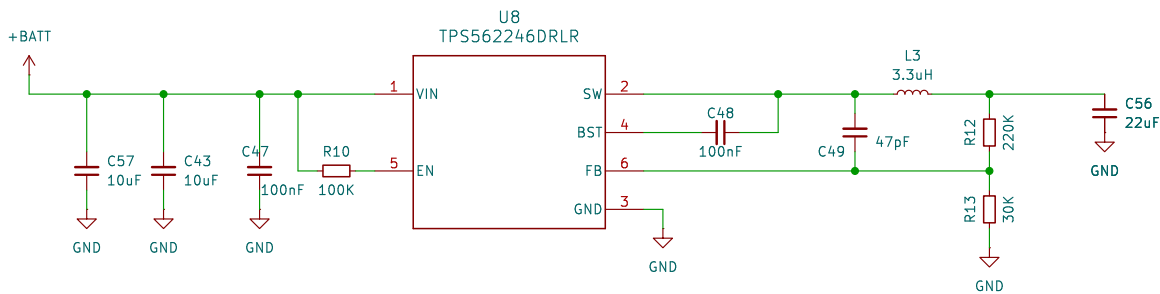
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File: Connections.kicad_sch

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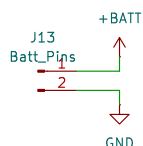
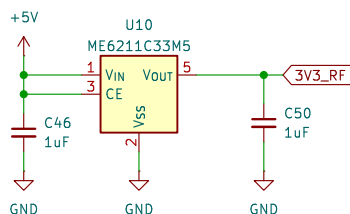
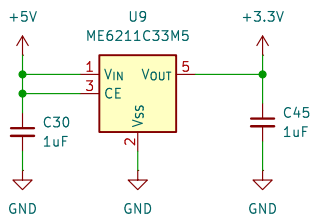
Size: A4 Date: 2024-12-27
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Rev:
Id: 3/6



TPS562242DRLR

VINMIN 6V
VINMAX 15V
VOUT 5V
IOUT 2A



YENIAY

Sheet: /Power/
File: Power.kicad_sch

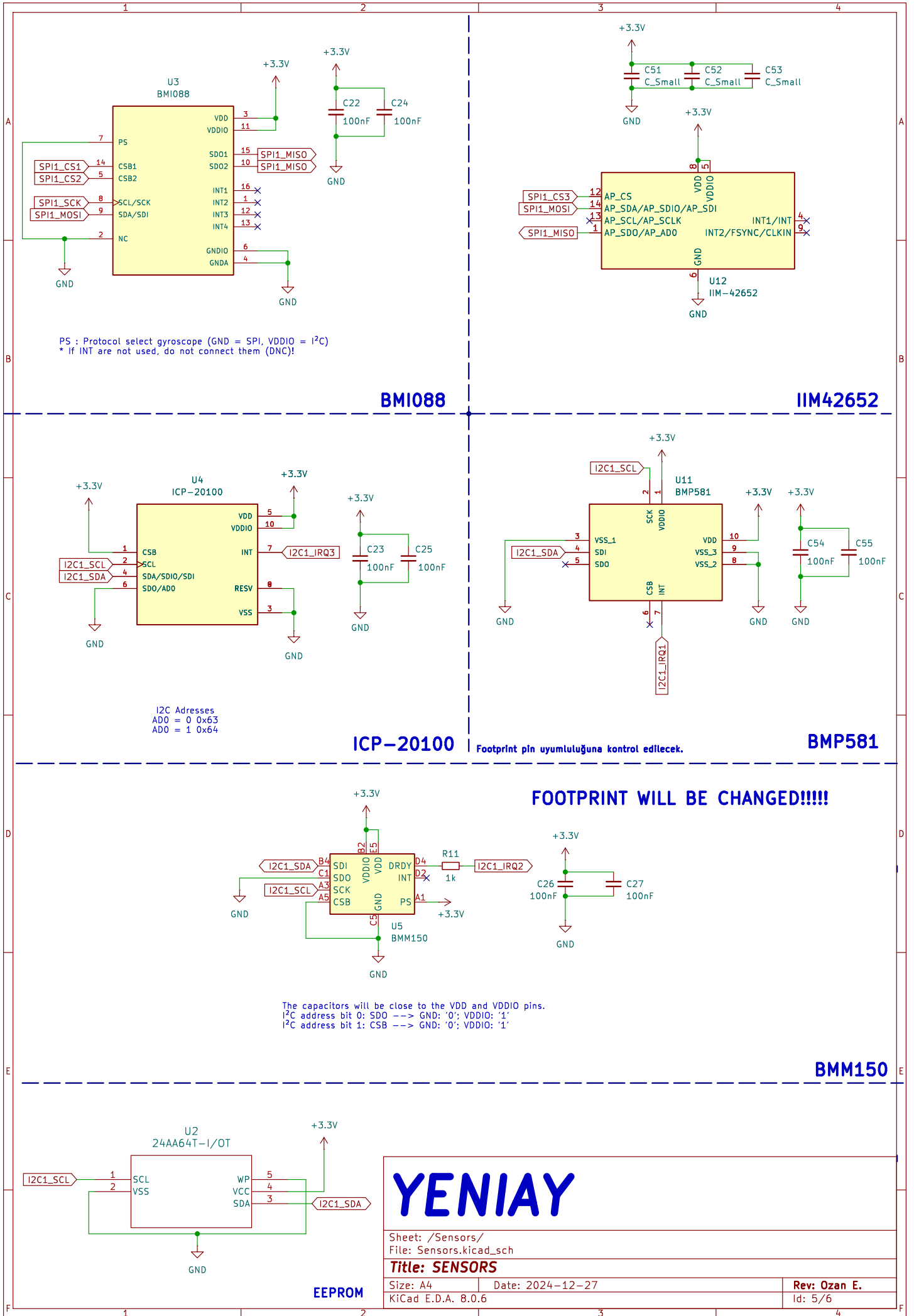
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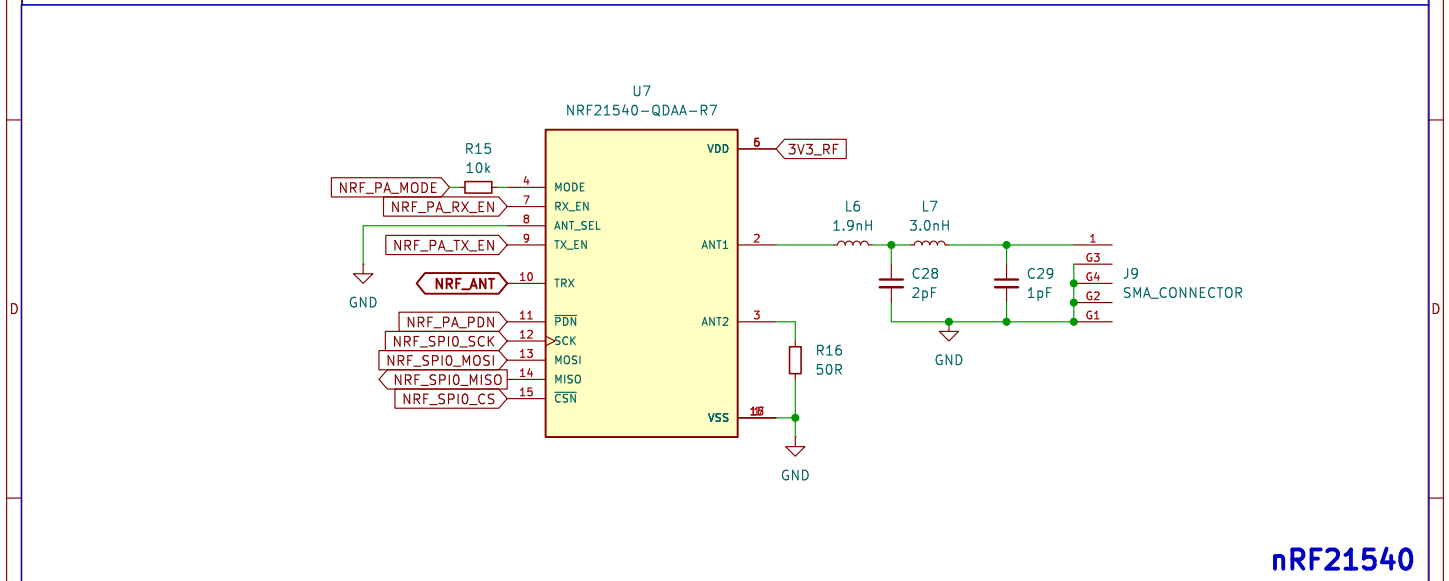
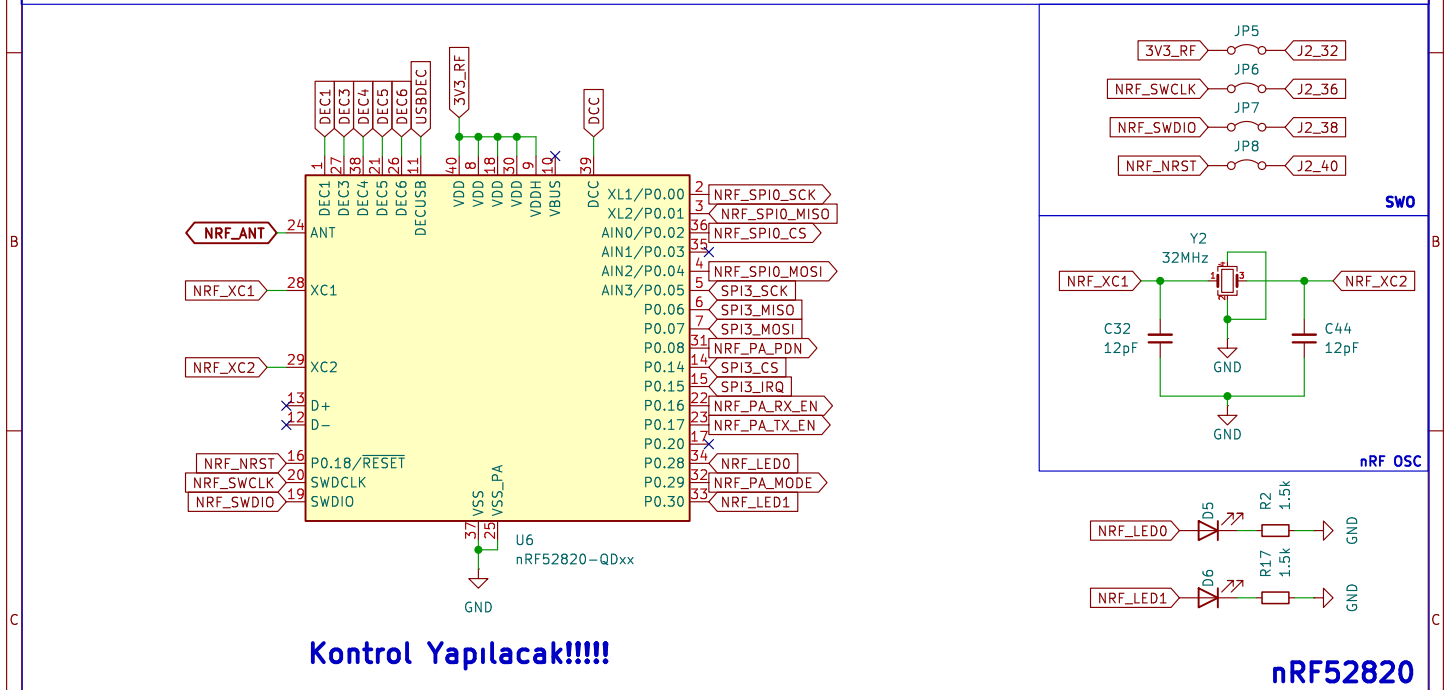
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Rev:

Id: 4/6





Id: 6/6