

ControlComputer

STM32H743VGT6 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

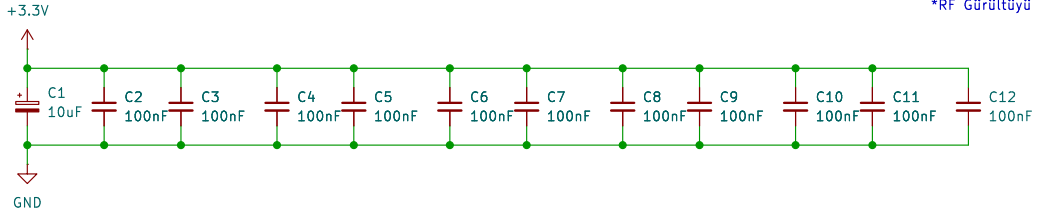
1

2

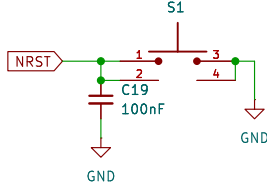
3

4

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

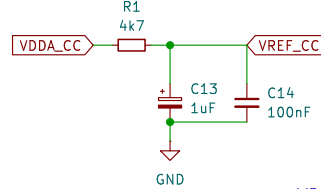


## DECOUPLING



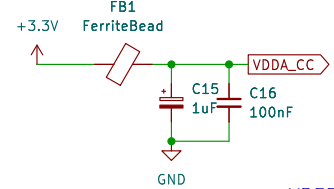
## RESET

\*Analog devrelere temiz bir güç beslemesi sağlamak

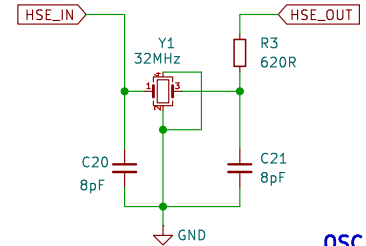


## VDDA FILTER

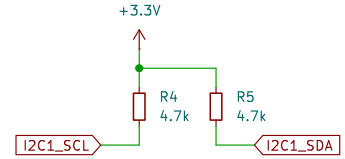
\*Analog devrelerin referans voltajını kararlı hale getirmek



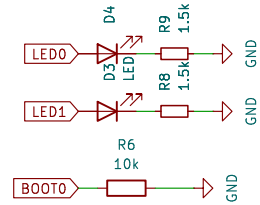
## VREF FILTER



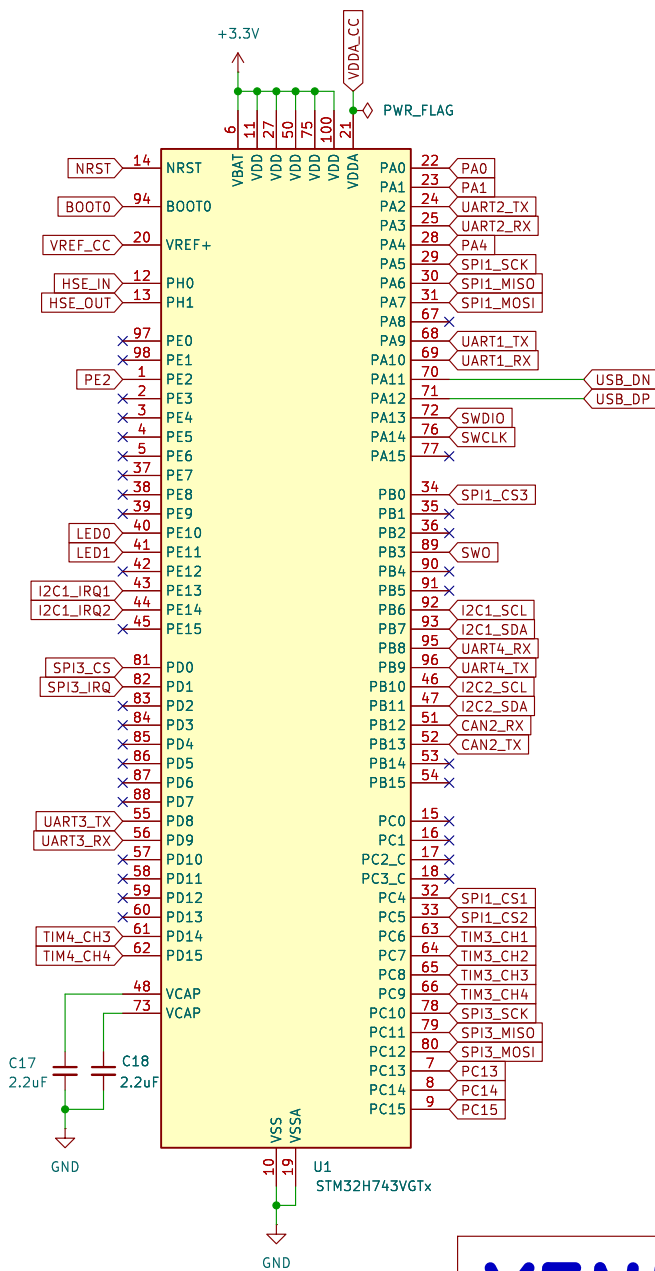
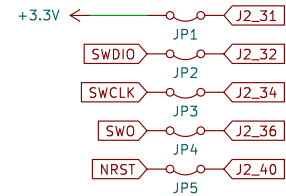
## OSC STM32



## I2C PULL\_UP



## LEDs



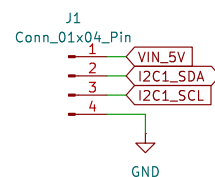
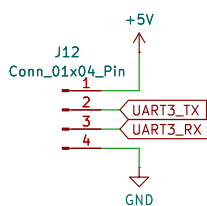
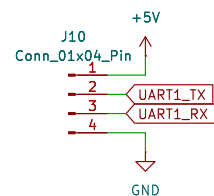
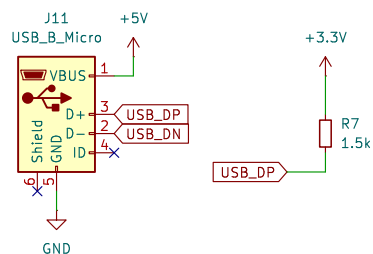
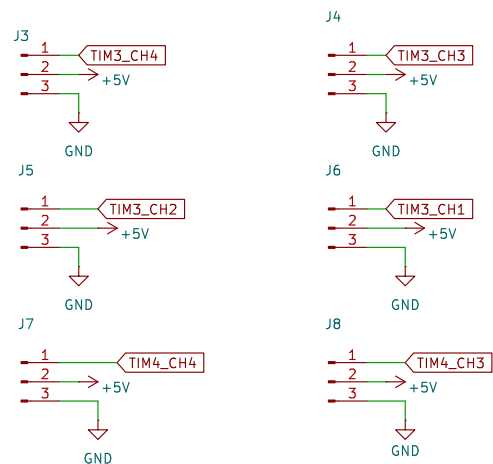
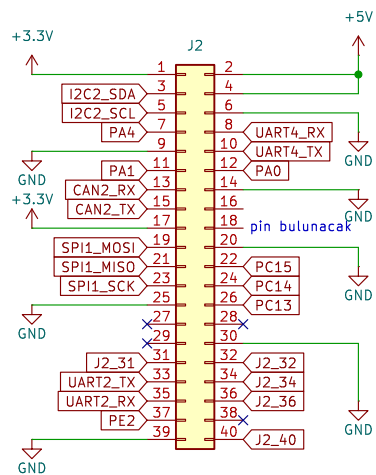
# YENIAY

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File: ControlComputer.kicad\_sch

Title: STM32H743

Size: A4 Date:  
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Rev:  
Id: 2/6



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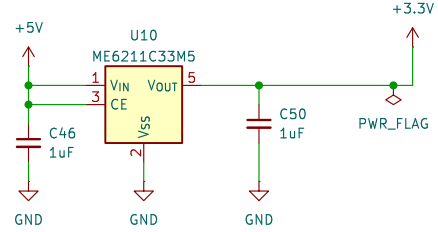
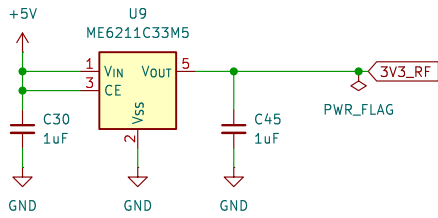
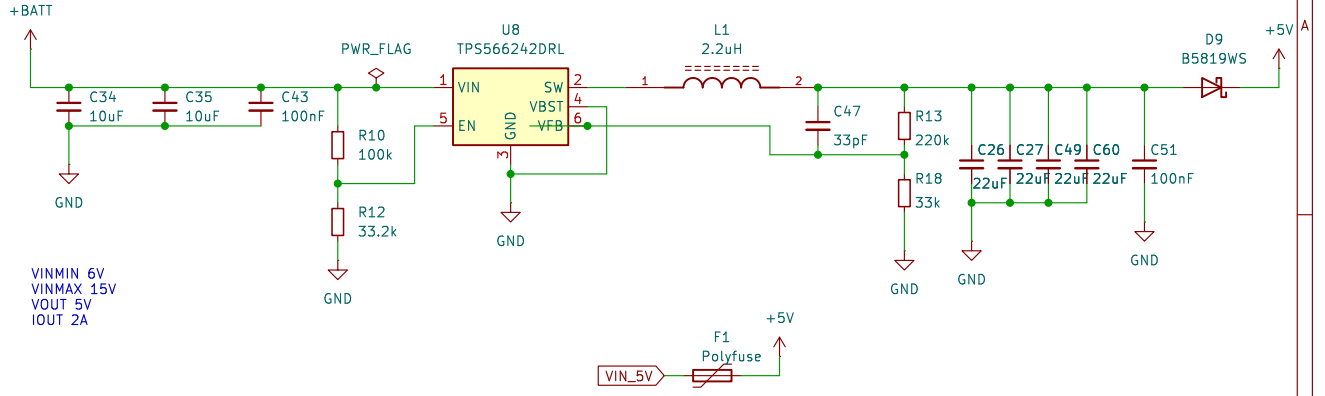
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**Title: Pin Output**

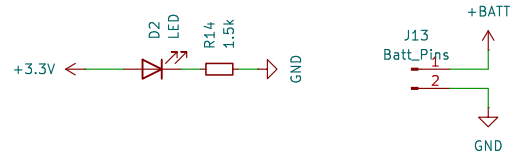
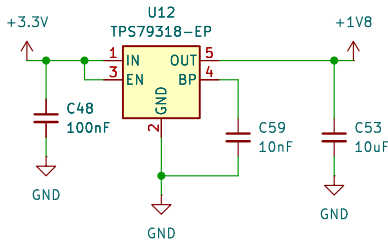
Size: A4	Date: 2024-12-27
KiCad E.D.A. 8.0.6	

Date: 2024-12-27

Rev:  
Id: 3/6



Akım ve regülatör kontrolü yapılacak!!!!



# YENIAY

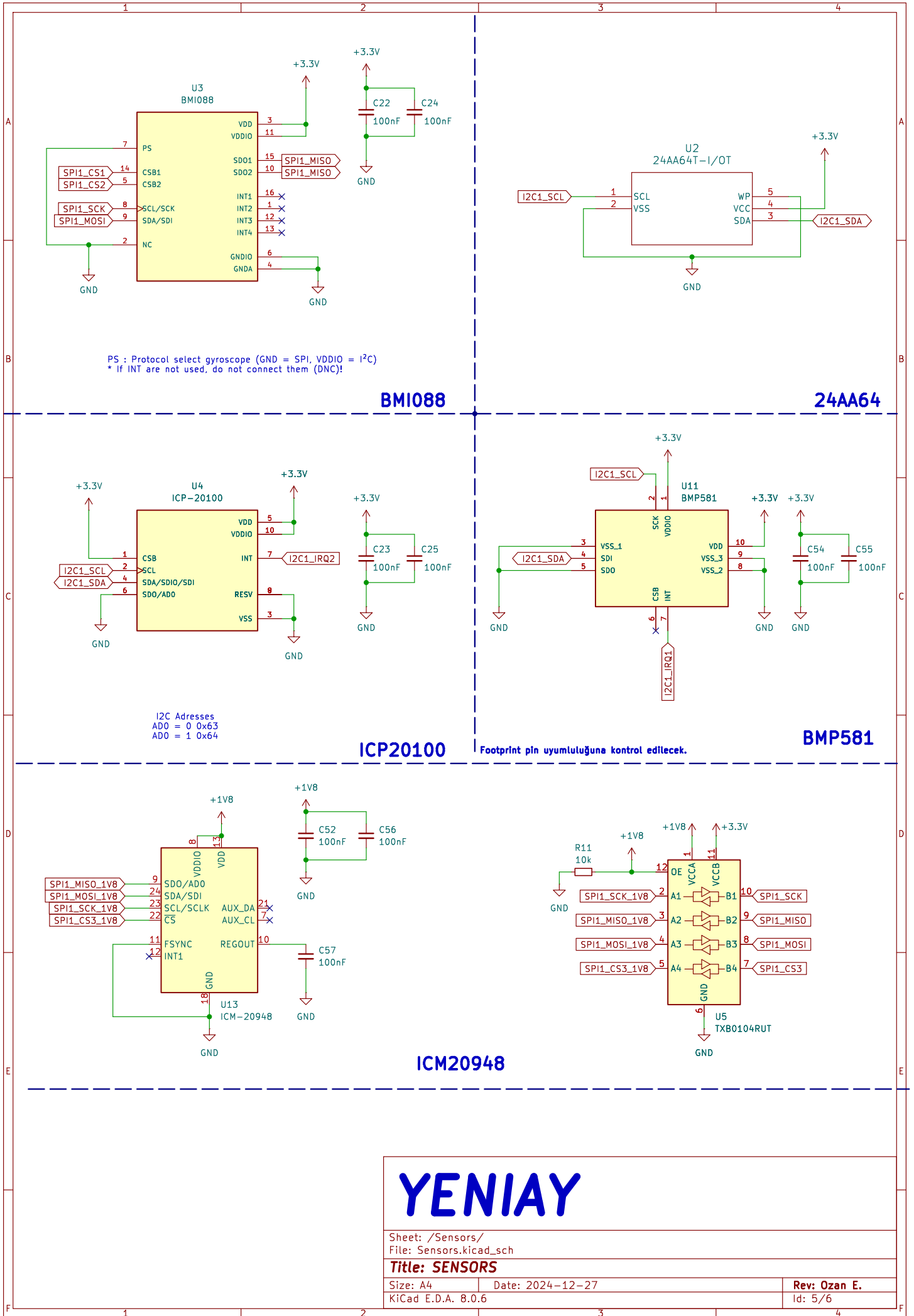
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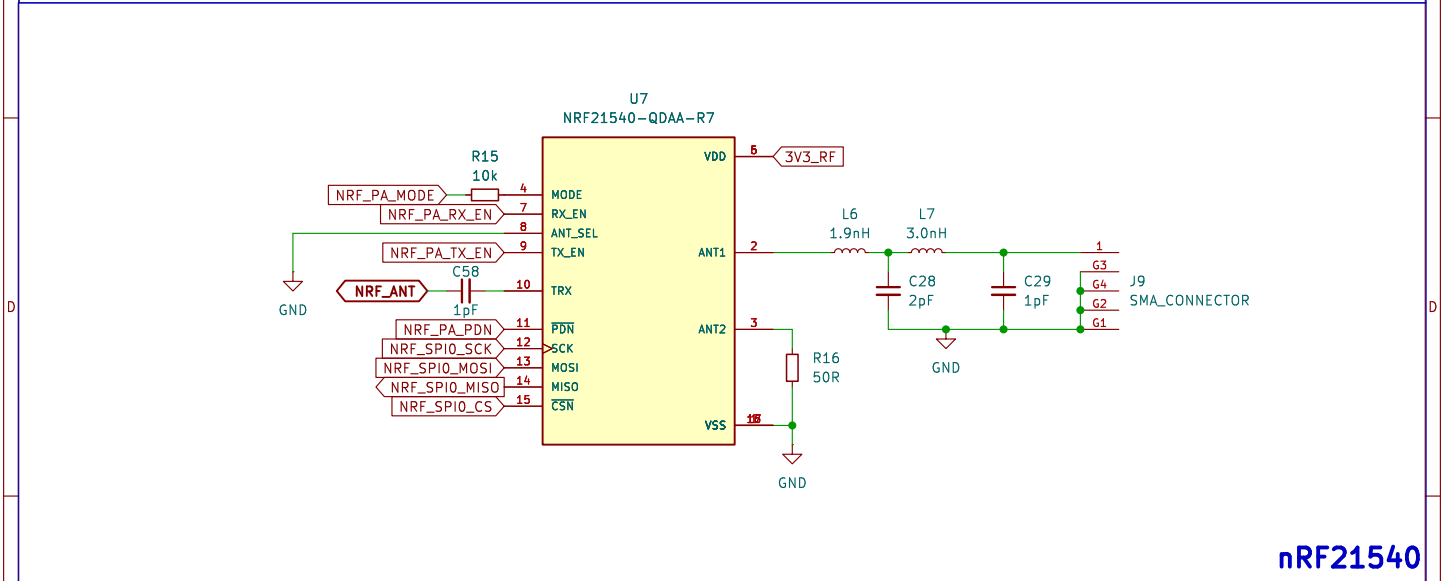
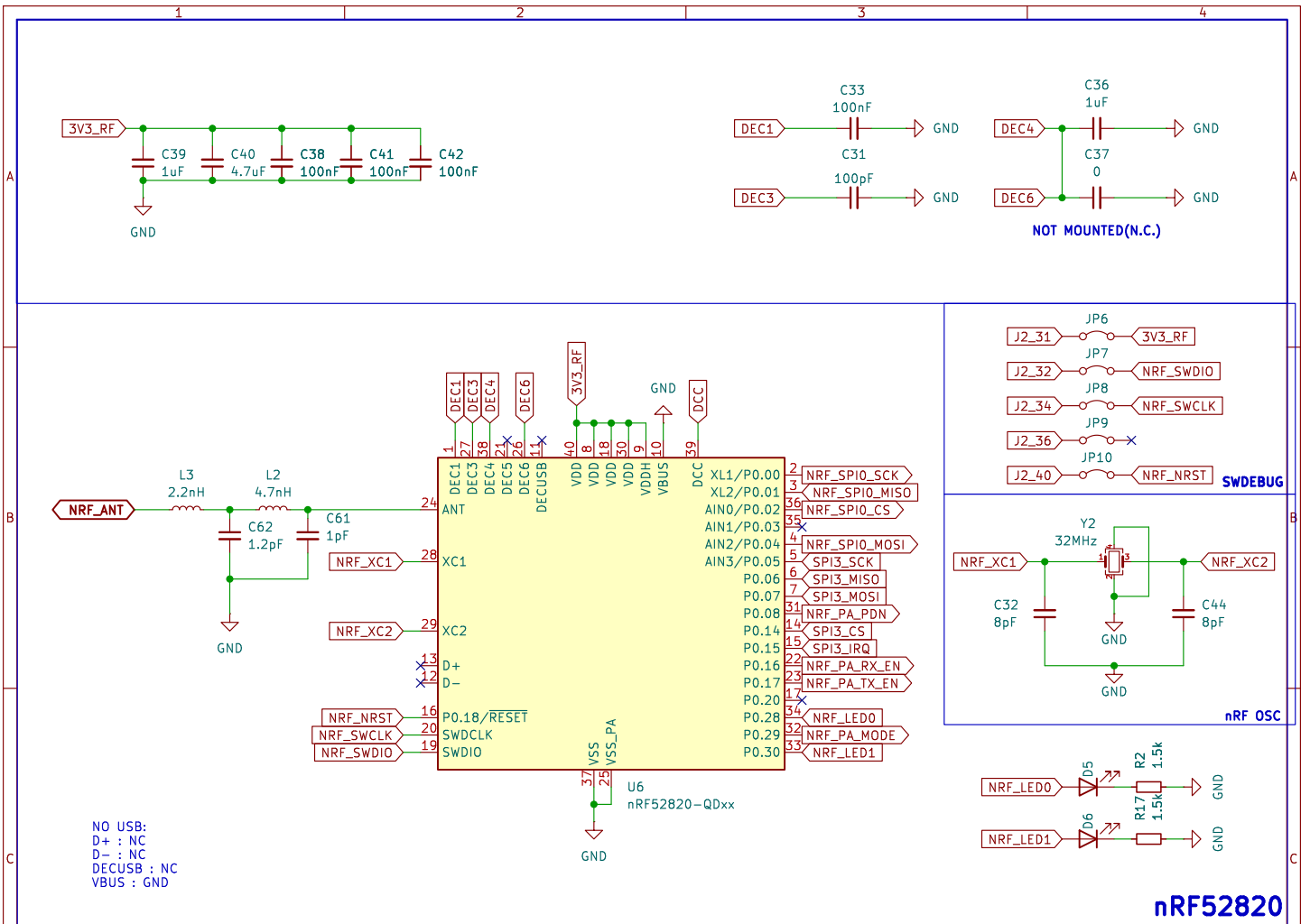
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KiCad E.D.A. 8.0.6

Date:

Rev:  
Id: 4/6





(usb trace spacing = 0.2032)!!!!

# YENIAY

Sheet: /RF Telemetry/  
File: RF Telemetry.kicad\_sch

**Title: RF**

Size: A4  
KiCad E.D.A. 8.0.6

Date:

Rev:

Id: 6/6