

# Linux based scout UAV

## LinuxベースのスカウトUAV

Sheetname: osd32mp1-1-power

File: osd32mp1-1-power.kicad\_sch

Sheetname: osd32mp1-2

File: osd32mp1-2.kicad\_sch

Sheetname: osd32mp1-3

File: osd32mp1-3.kicad\_sch

Sheetname: battery-power

File: battery-power.kicad\_sch

Sheetname: power-section-1

File: power-section-1.kicad\_sch

storage

File: storage.kicad\_sch

long-range-radio-1

File: long-range-radio-1.kicad\_sch

quectel-m65-1

File: quectel-m65-1.kicad\_sch

## GNSS

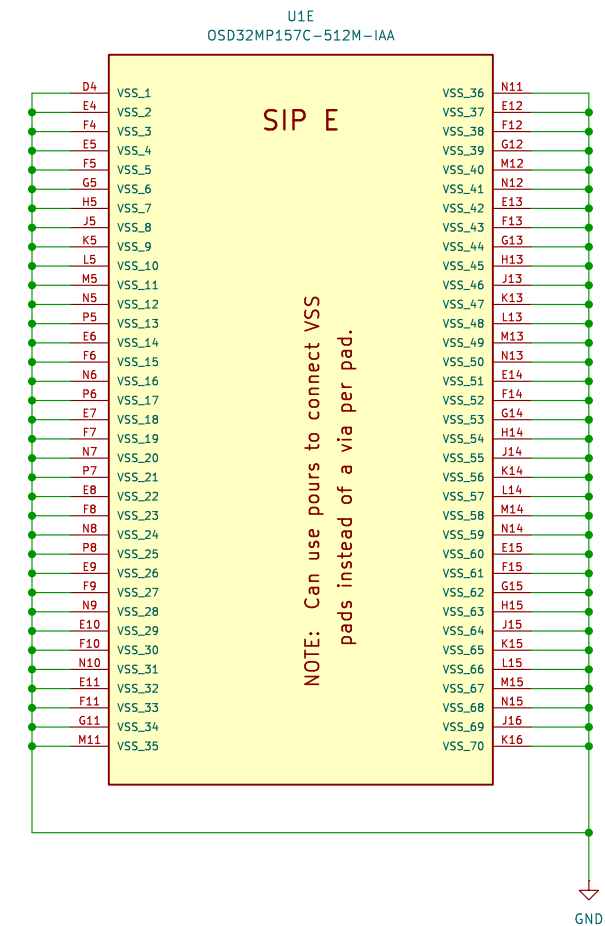
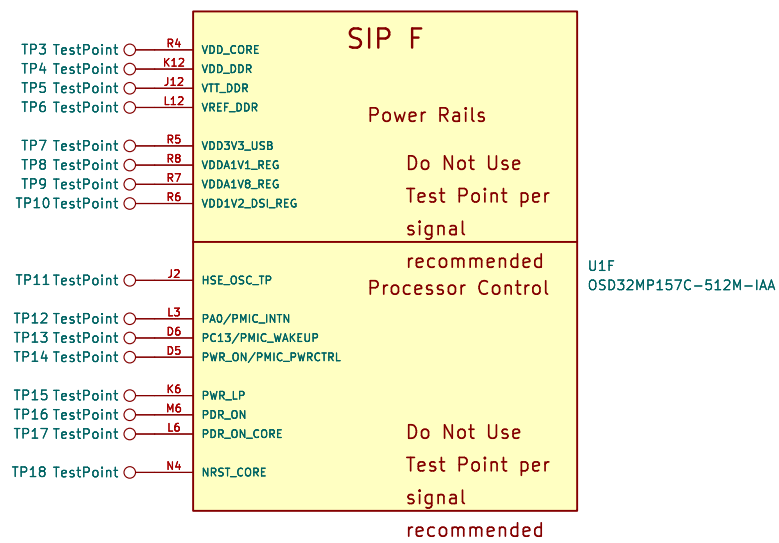
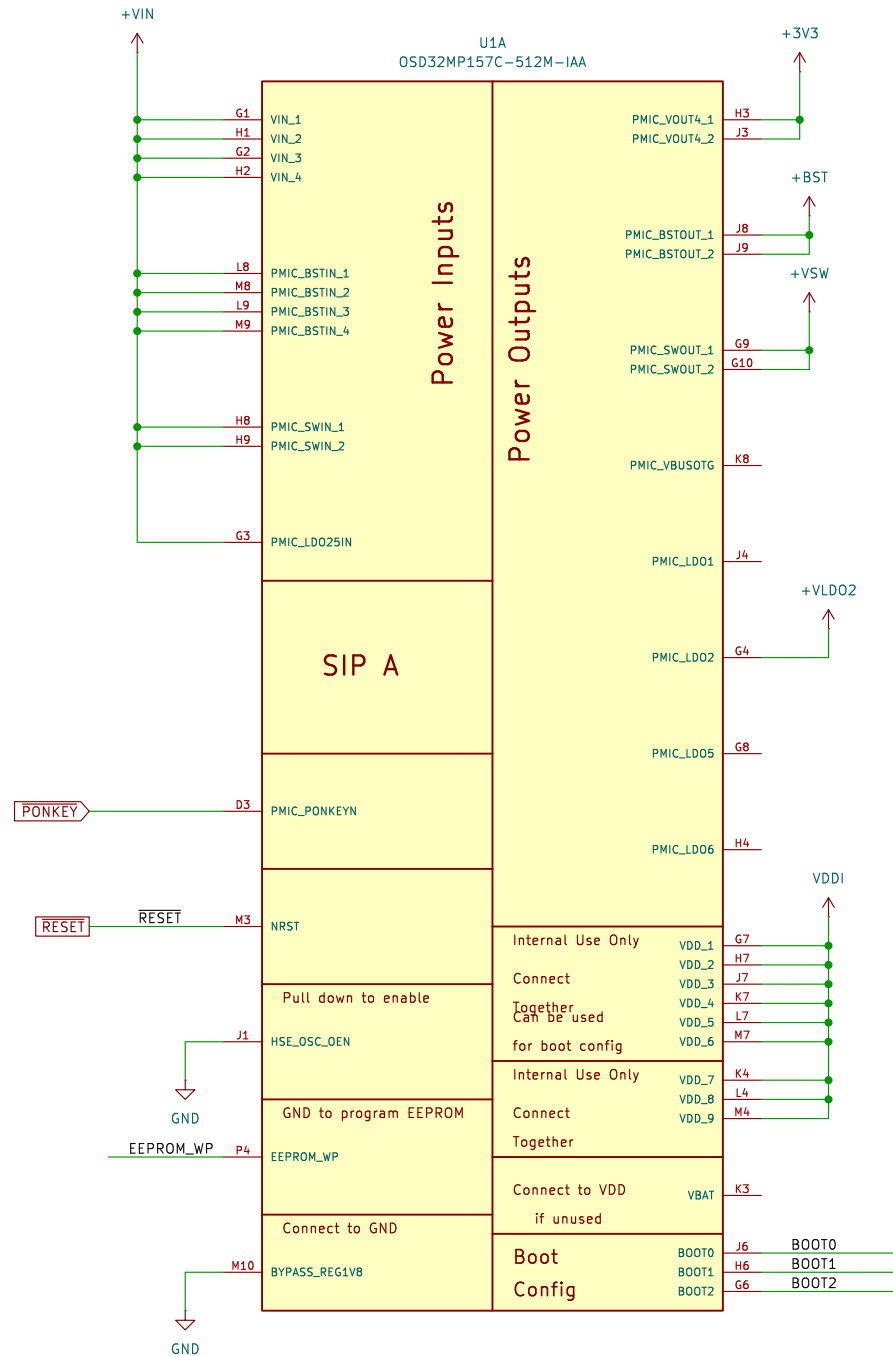
File: gnss.kicad\_sch

sensors-1

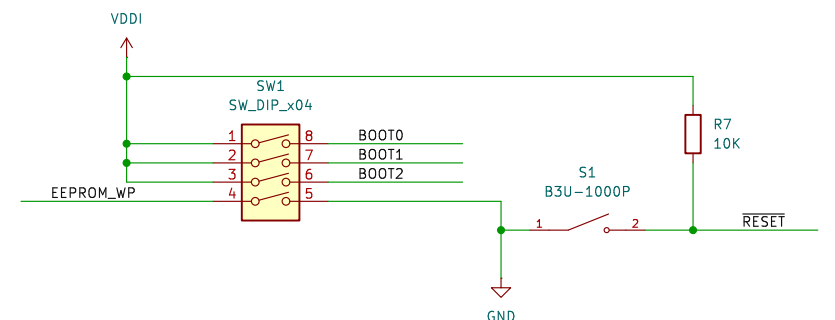
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<b>Title:</b>		
Size: A3	Date:	<b>Rev:</b>
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# OSD32MP1 power



## User config and reset control



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File: osd32mp1-1-power.kicad\_sch

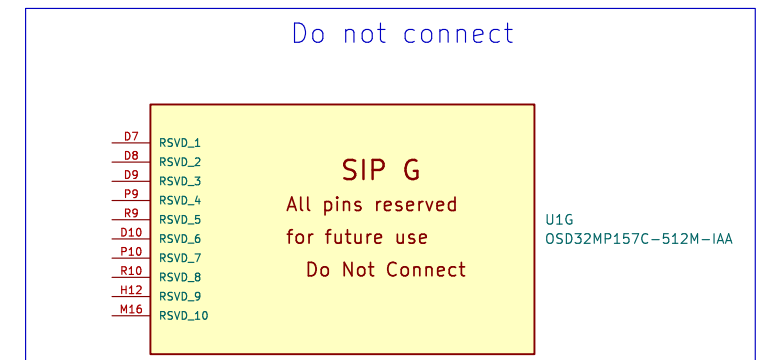
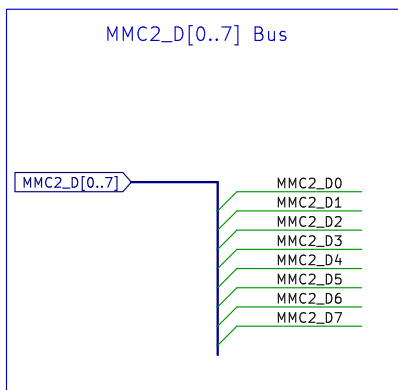
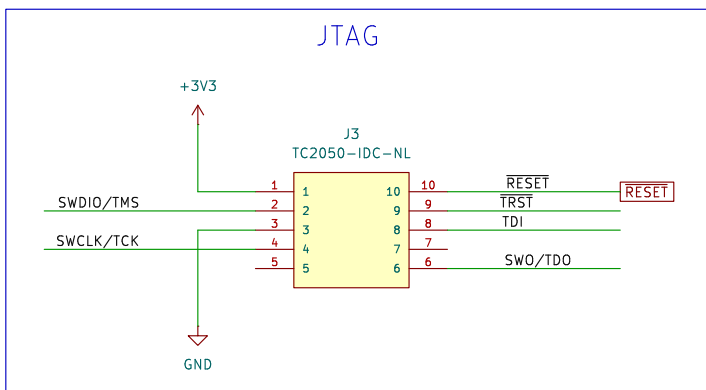
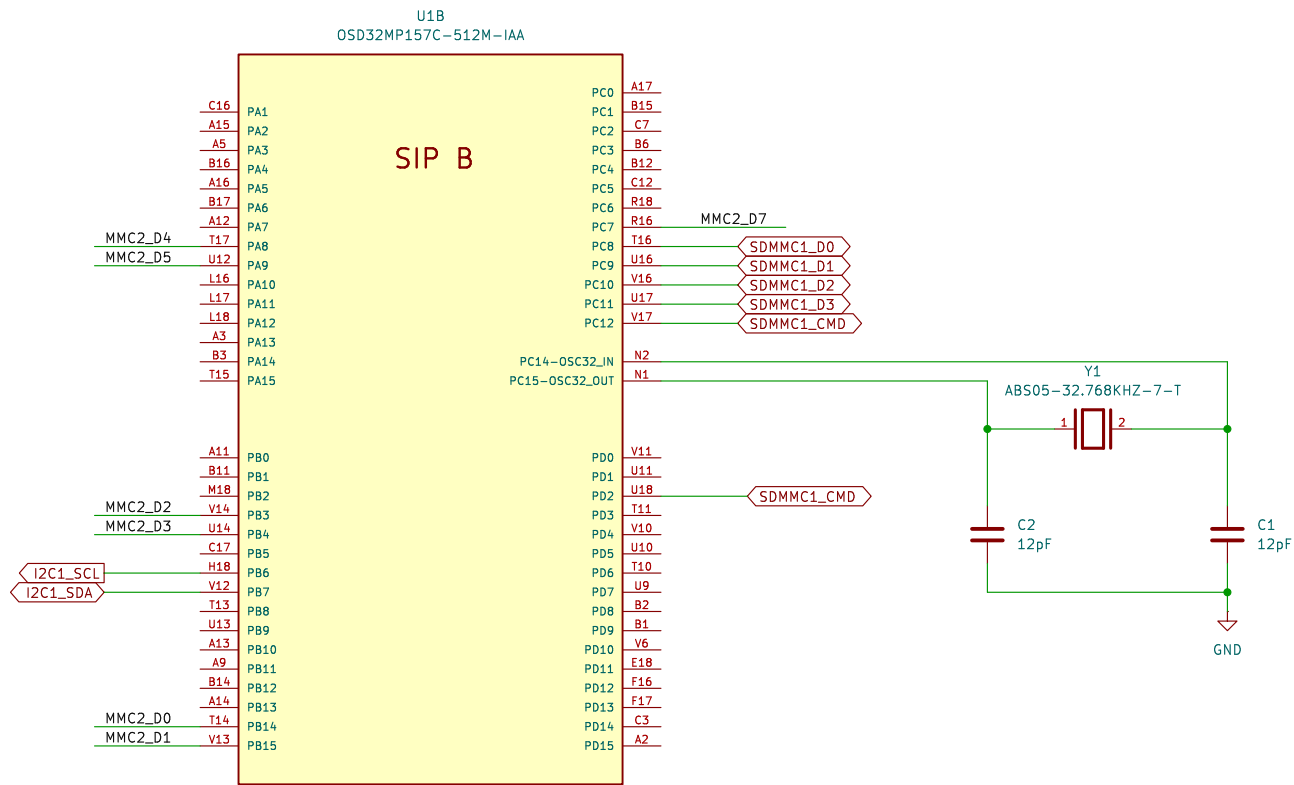
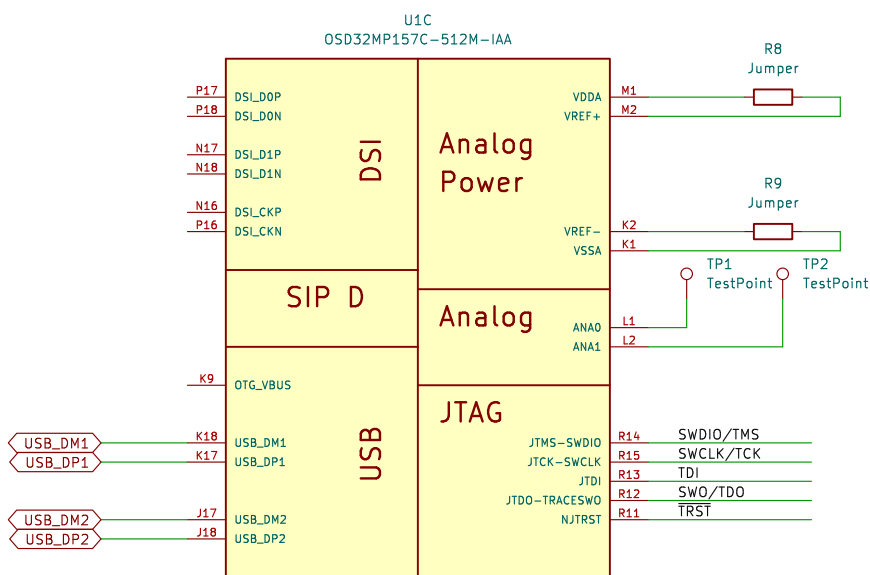
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Date:

Rev:  
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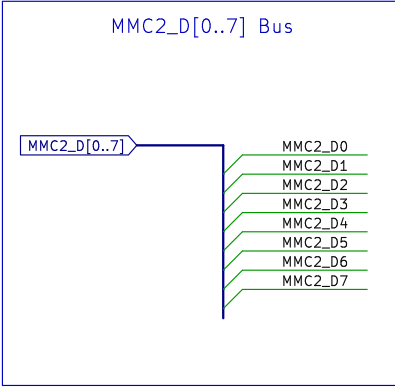
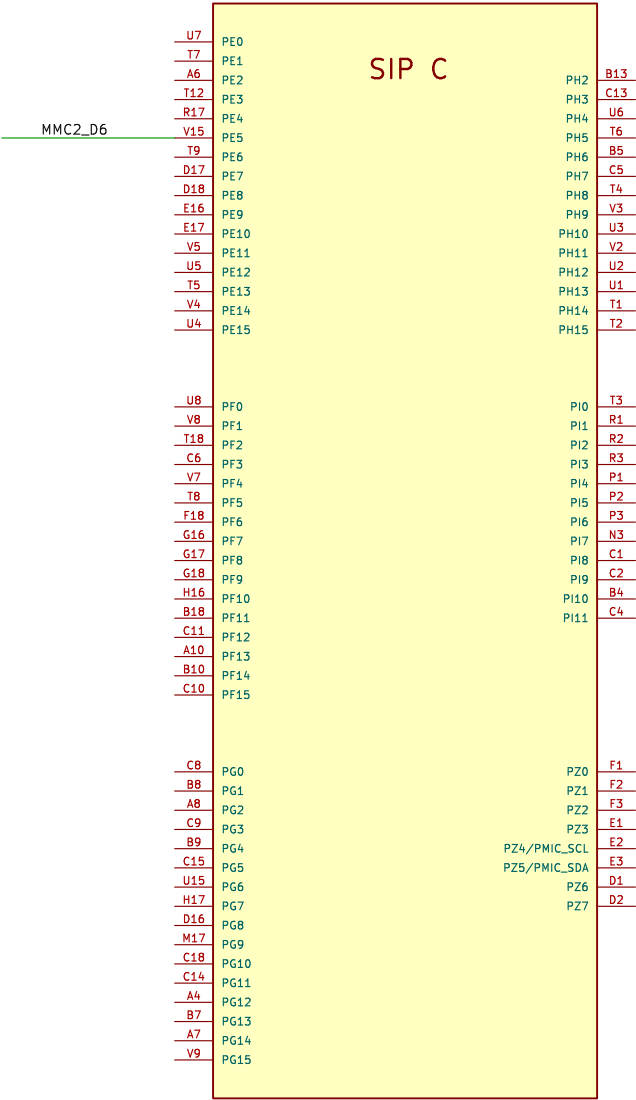
OSD32MP1



# OSD32MP1

U1D  
OSD32MP157C-512M-IAA

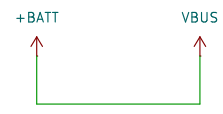
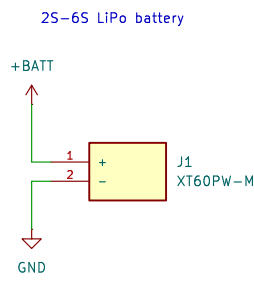
SIP C



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KiCad E.D.A. 8.0.7	Id: 4/11	

# Battery Power

## バッテリー電源



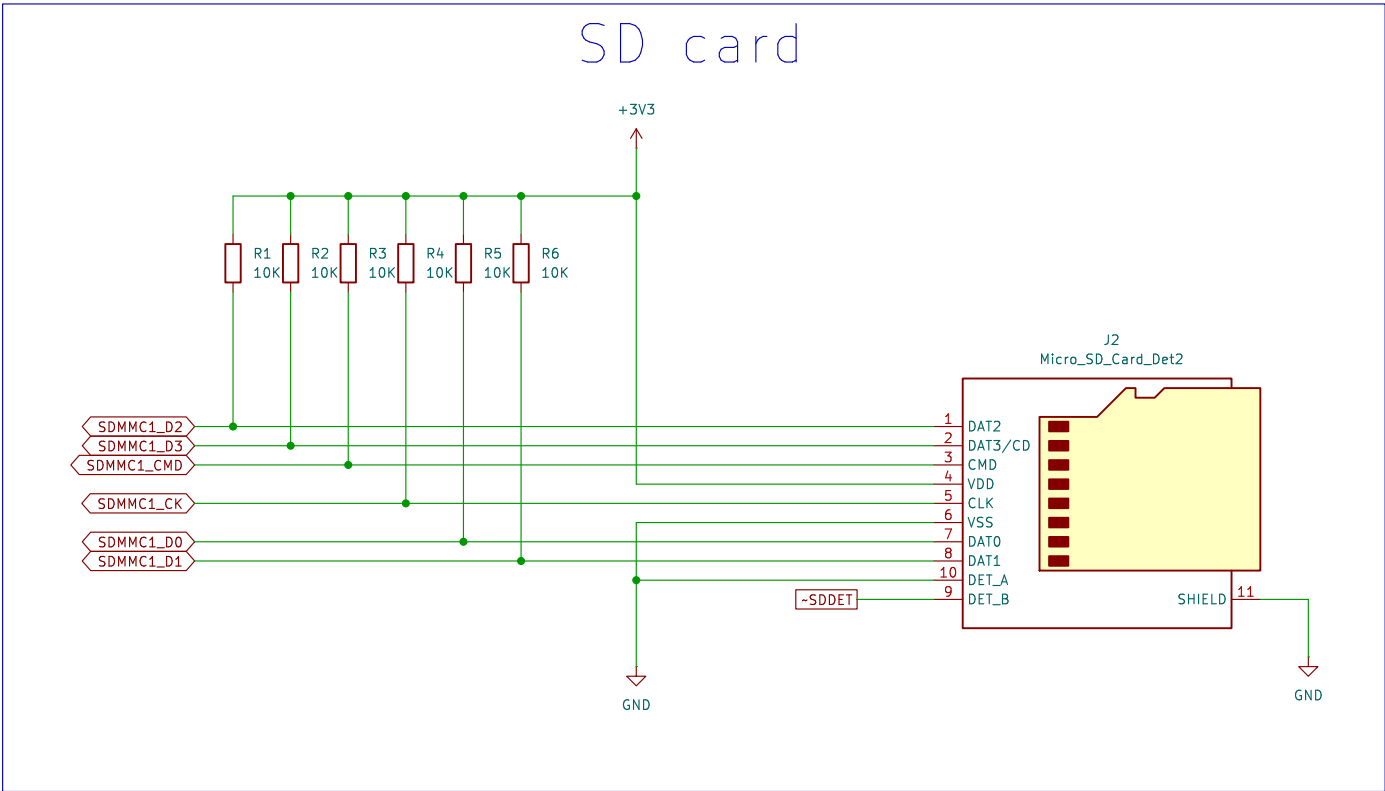
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KiCad E.D.A. 8.0.7	Id: 5/11	



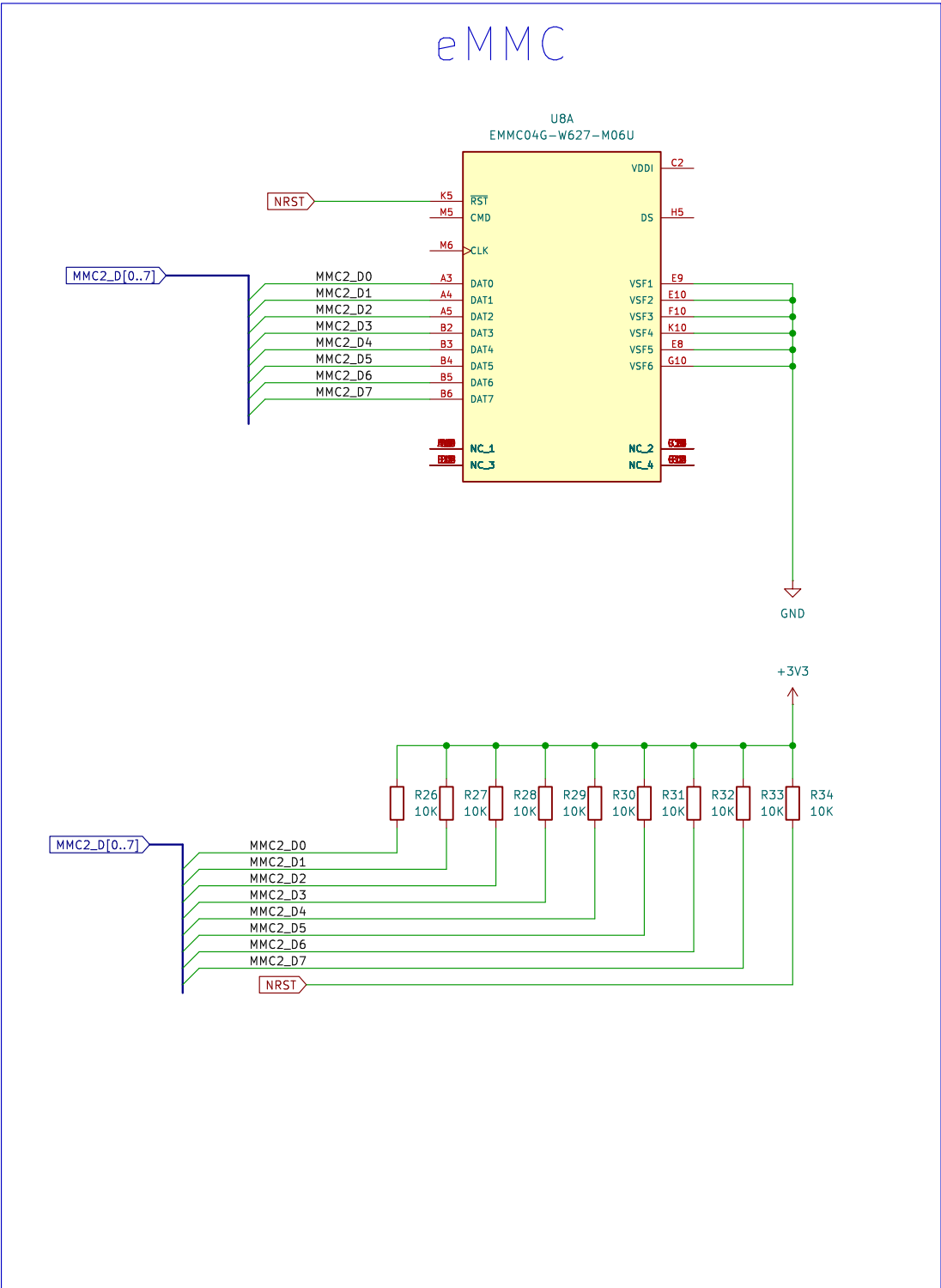
# Storage

## 貯蔵

### SD card



### eMMC



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Size: A3

Date:

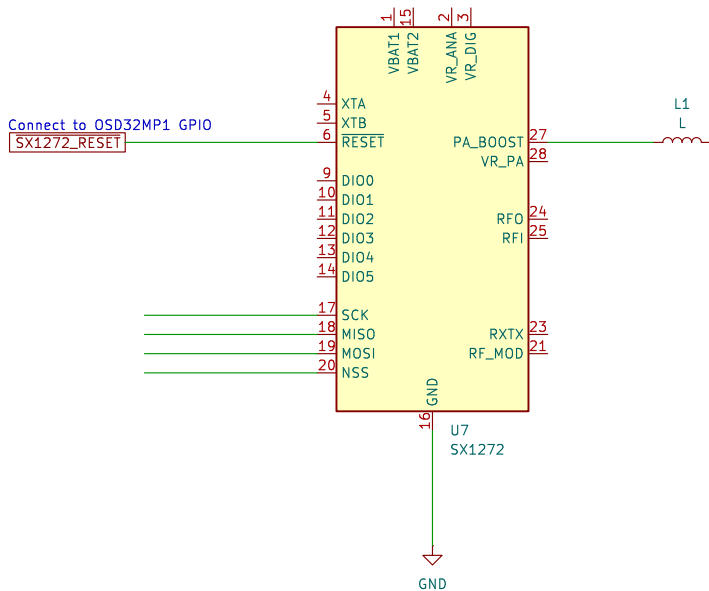
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KiCad E.D.A. 8.0.7

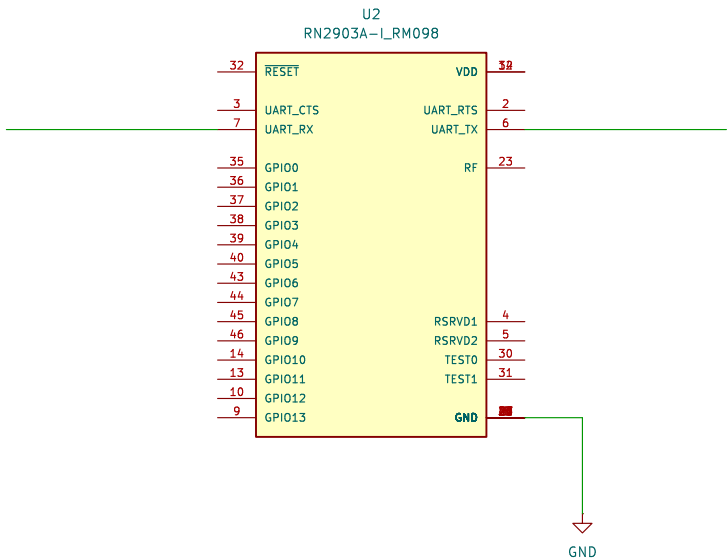
Id: 7/11

# Long range radio

SX1272 LoRaWAN IC option



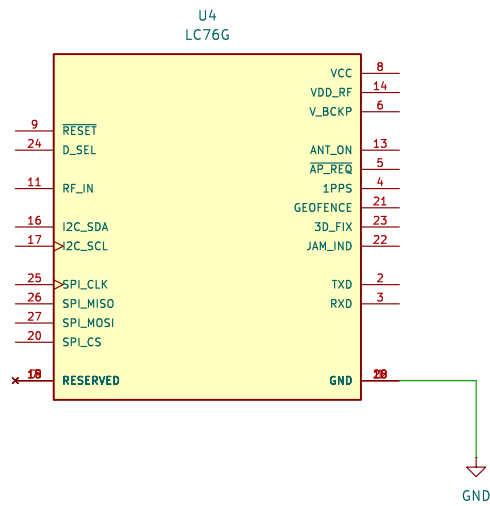
RN2903 LoRa module option







# GNSS

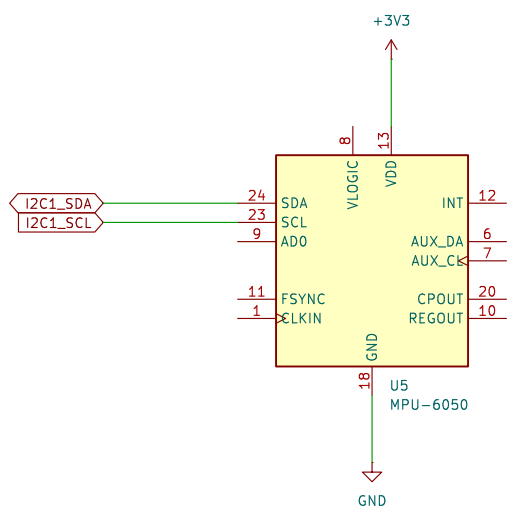


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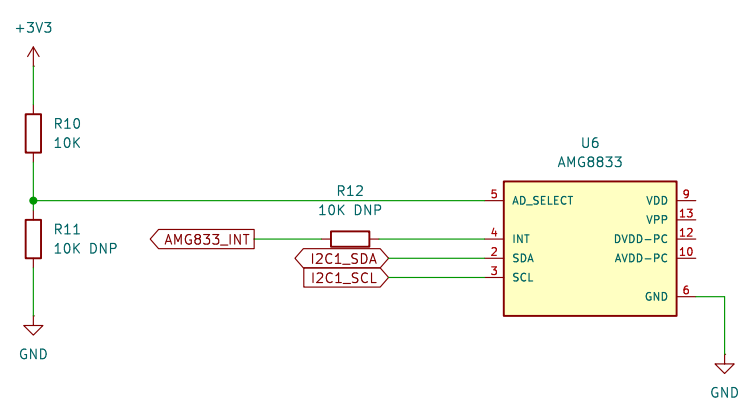
# Sensors

## センサー

MPU-6050



AMG8833



I2C1 Pull-up resistor

