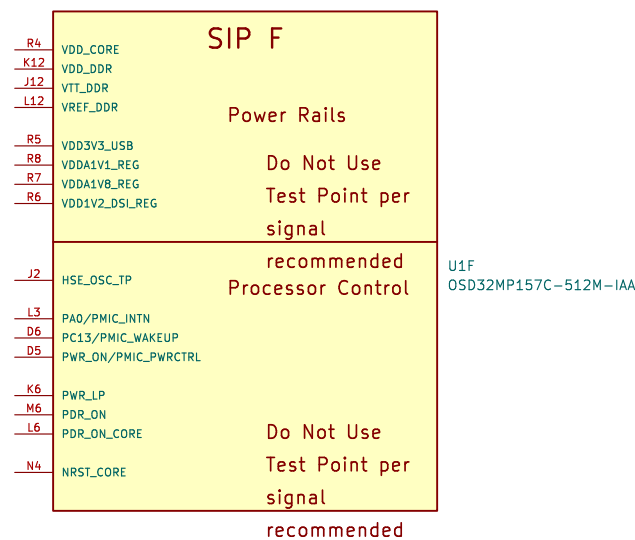
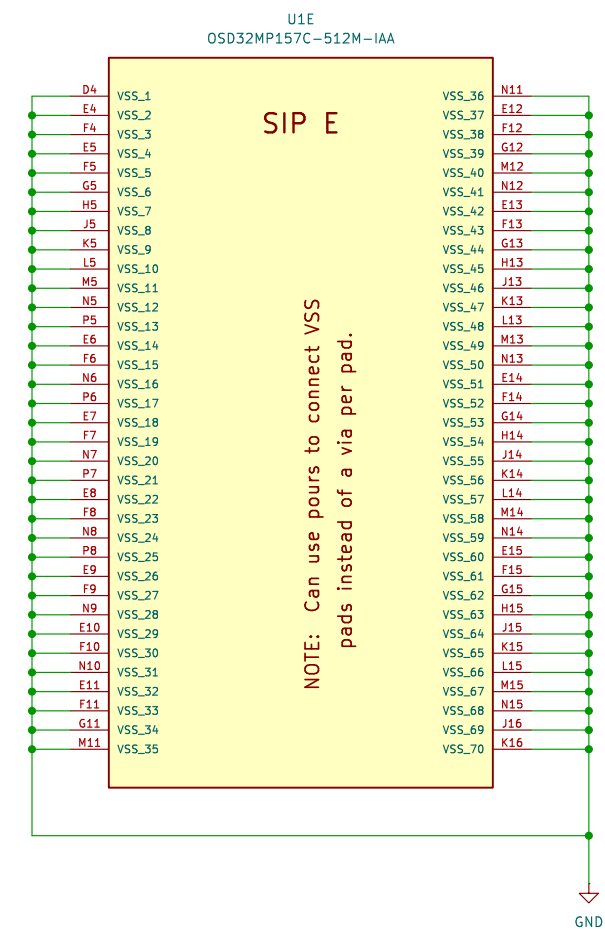
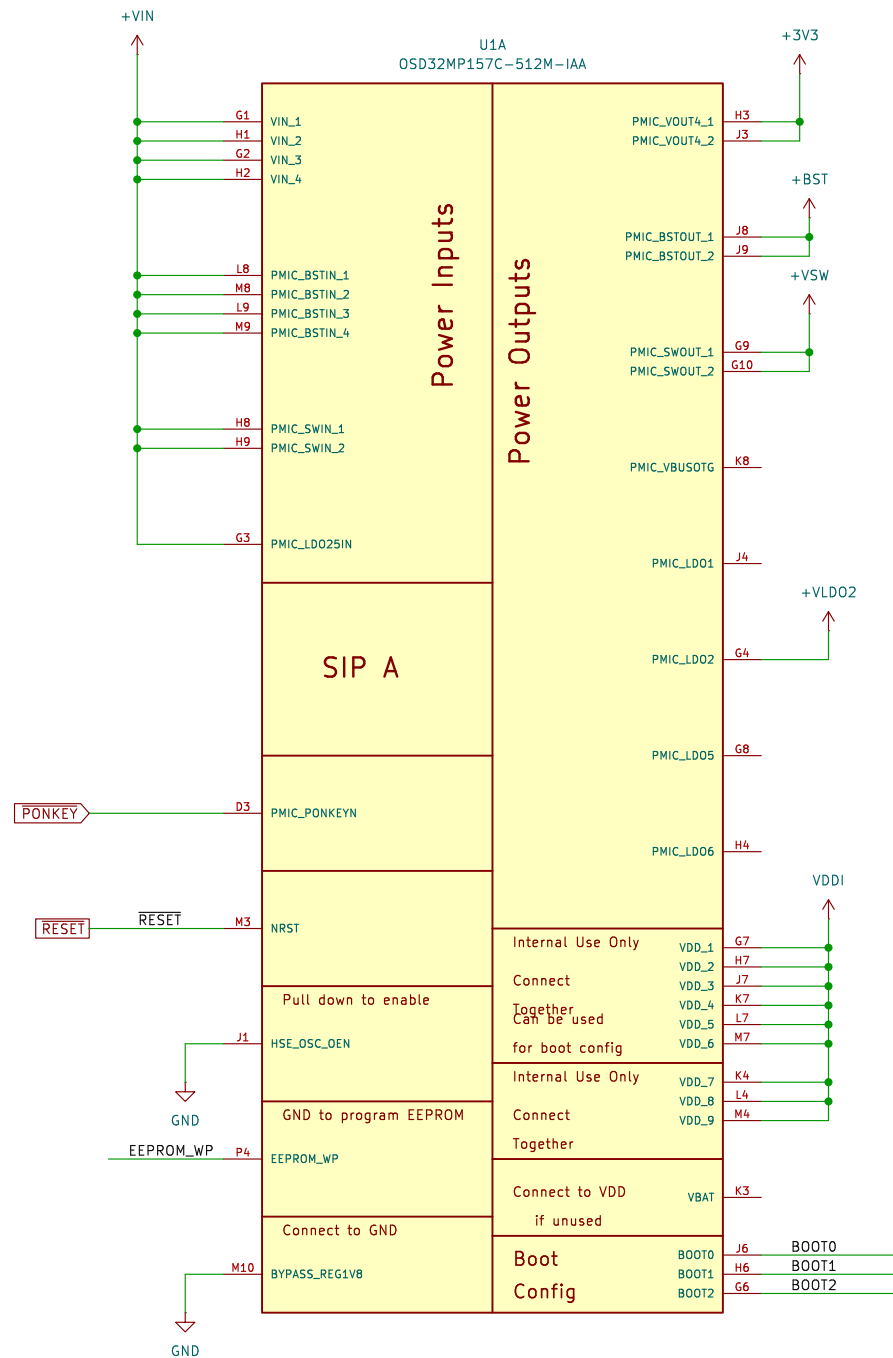


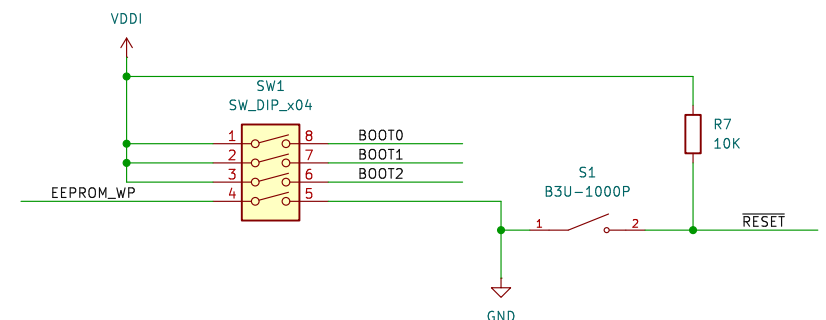
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A	Linux based scout UAV LinuxベースのスカウトUAV							
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C								
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E								
F	1	2	3	4	5	6	7	8

Sheet: / File: linux-based-scout-uav.kicad_sch		
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Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.4	Id: 1/11	

# OSD32MP1 power



## User config and reset control



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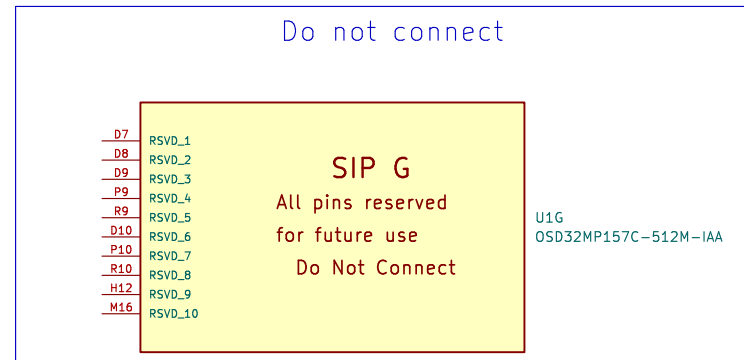
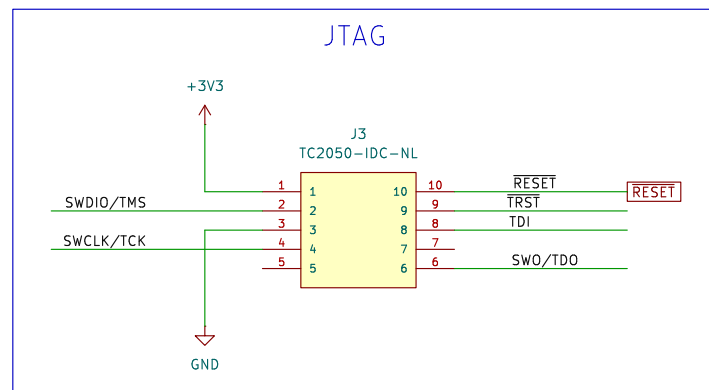
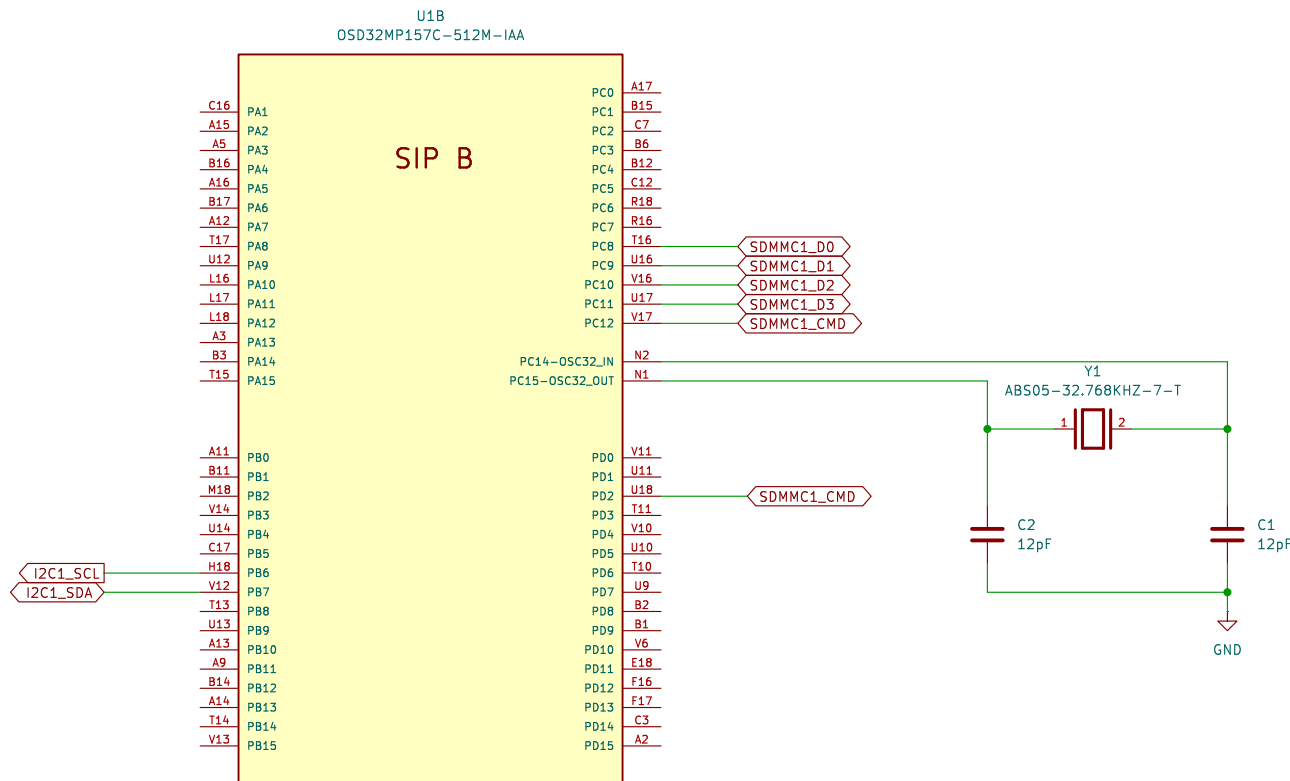
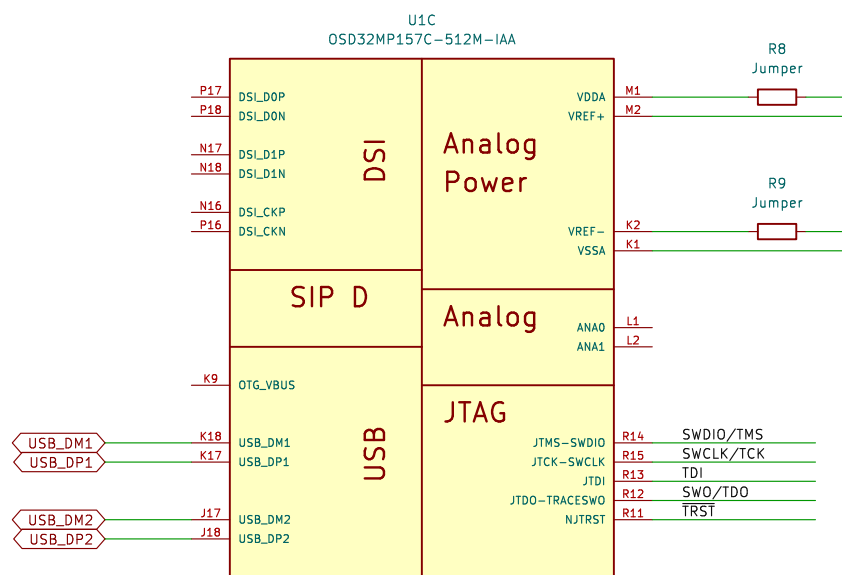
Date:

**Rev:**

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Id: 2/11

# OSD32MP1



# OSD32MP1

U1D  
OSD32MP157C-512M-IAA

SIP C

<u>U7</u>	PE0
<u>T7</u>	PE1
<u>A6</u>	PE2
<u>T12</u>	PE3
<u>R17</u>	PE4
<u>V15</u>	PE5
<u>T9</u>	PE6
<u>D17</u>	PE7
<u>D18</u>	PE8
<u>E16</u>	PE9
<u>E17</u>	PE10
<u>V5</u>	PE11
<u>U5</u>	PE12
<u>T5</u>	PE13
<u>V4</u>	PE14
<u>U4</u>	PE15
<u>U8</u>	PF0
<u>V8</u>	PF1
<u>T18</u>	PF2
<u>C6</u>	PF3
<u>V7</u>	PF4
<u>T8</u>	PF5
<u>F18</u>	PF6
<u>G16</u>	PF7
<u>G17</u>	PF8
<u>G18</u>	PF9
<u>H16</u>	PF10
<u>B18</u>	PF11
<u>C11</u>	PF12
<u>A10</u>	PF13
<u>B10</u>	PF14
<u>C10</u>	PF15
<u>C8</u>	PG0
<u>B8</u>	PG1
<u>A8</u>	PG2
<u>C9</u>	PG3
<u>B9</u>	PG4
<u>C15</u>	PG5
<u>U15</u>	PG6
<u>H17</u>	PG7
<u>D16</u>	PG8
<u>M17</u>	PG9
<u>C18</u>	PG10
<u>C14</u>	PG11
<u>A4</u>	PG12
<u>B7</u>	PG13
<u>A7</u>	PG14
<u>V9</u>	PG15

PH2  
PH3  
PH4  
PH5  
PH6  
PH7  
PH8  
PH9  
PH10  
PH11  
PH12  
PH13  
PH14  
PH15

B13

C13

U6

T6

B5

C5

T4

V3

U3

V2

U2

U1

T1

T2

PI0  
PI1  
PI2  
PI3  
PI4  
PI5  
PI6  
PI7  
PI8  
PI9  
PI10  
PI11

T3

R1

R2

R3

P1

P2

P3

N3

C1

C2

B4

C4

PZ4/PMIC\_SCL  
PZ5/PMIC\_SDA  
PZ6  
PZ7

F1

F2

F3

E1

E2

E3

D1

D2

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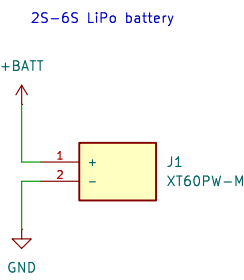
Rev:

KiCad E.D.A. 8.0.4

Id: 4/11

# Battery Power

## バッテリー電源



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File: battery-power.kicad\_sch

**Title:**

Size: A3

Date:

**Rev:**

KiCad E.D.A. 8.0.4

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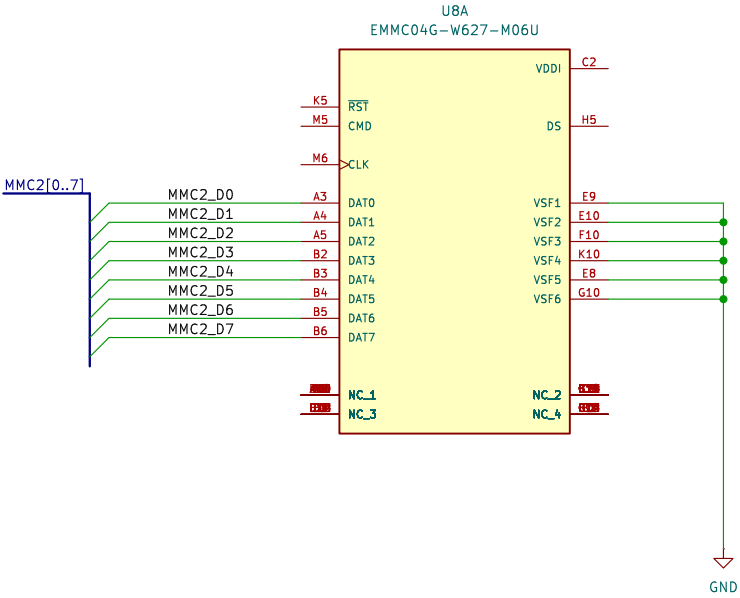
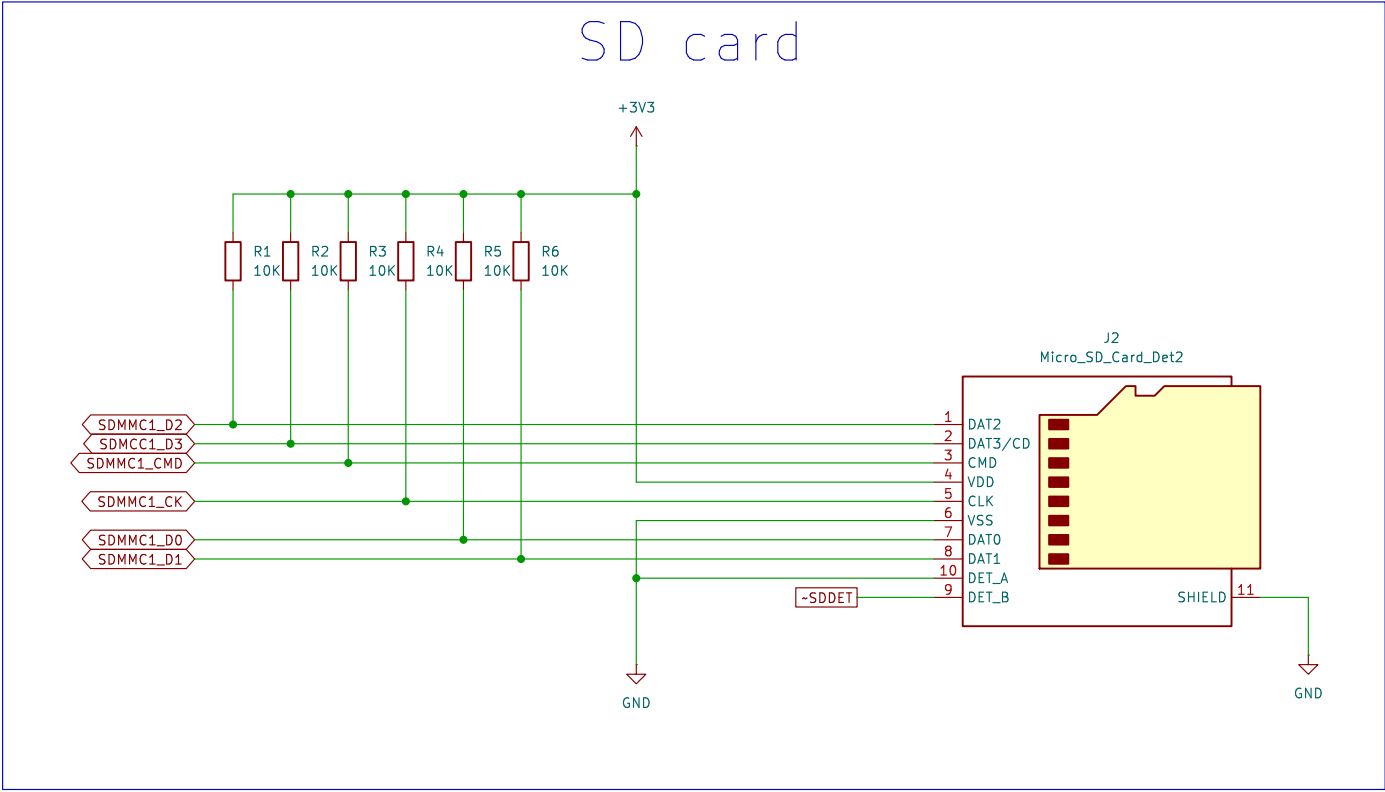
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Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.4	Id: 6/11	

# Storage

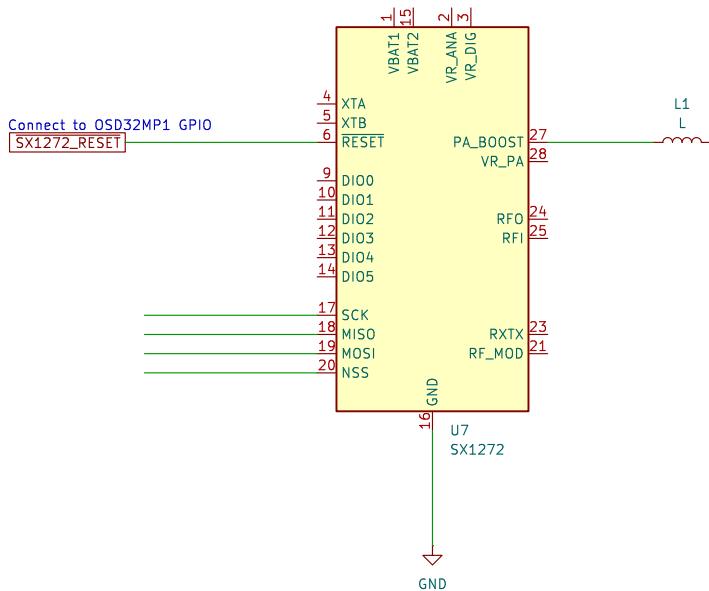
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### SD card

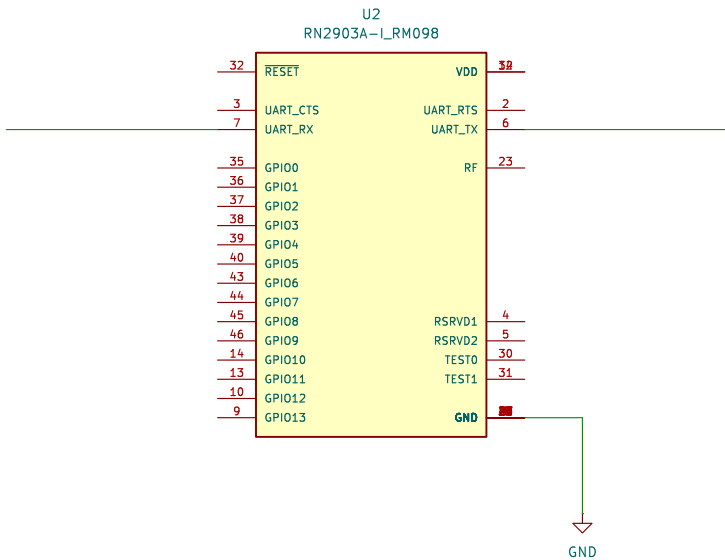


# Long range radio

SX1272 LoRaWAN IC option

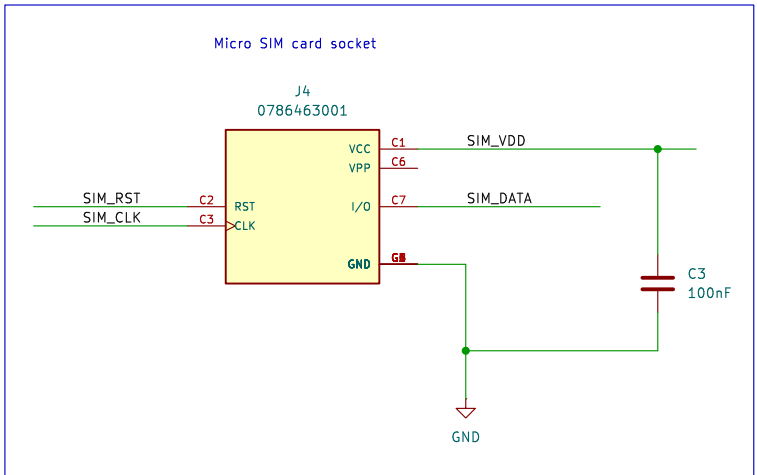
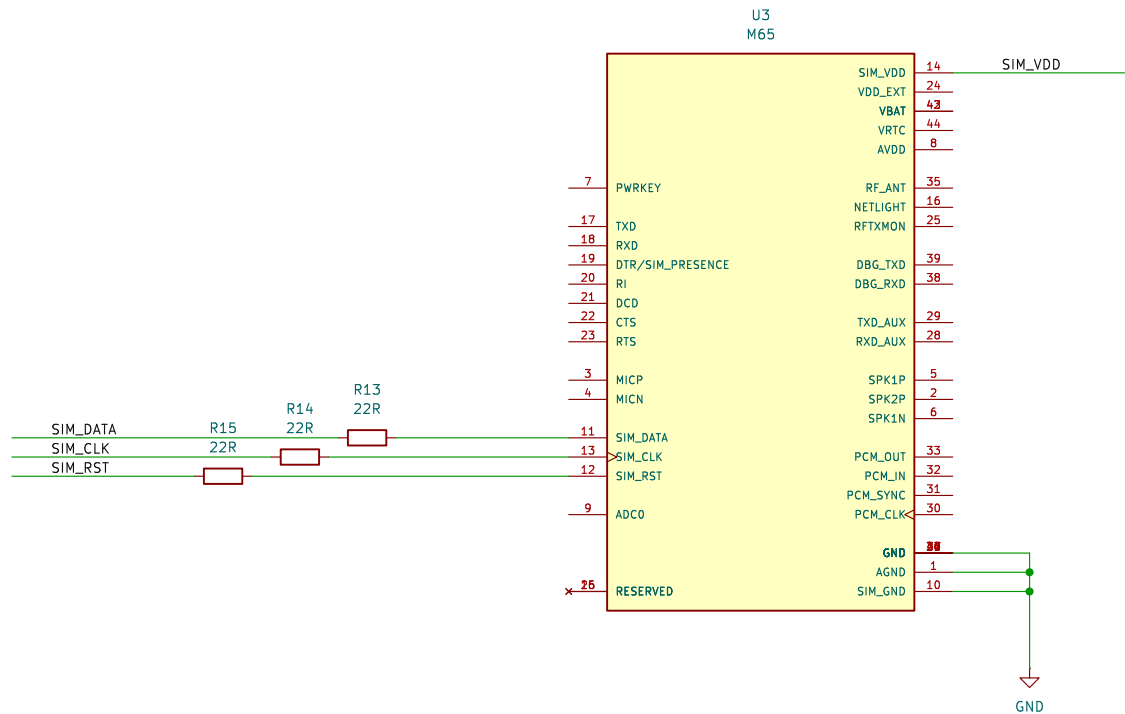


RN2903 LoRa module option





# GSM/GPRS 2G Comms



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Size: A3

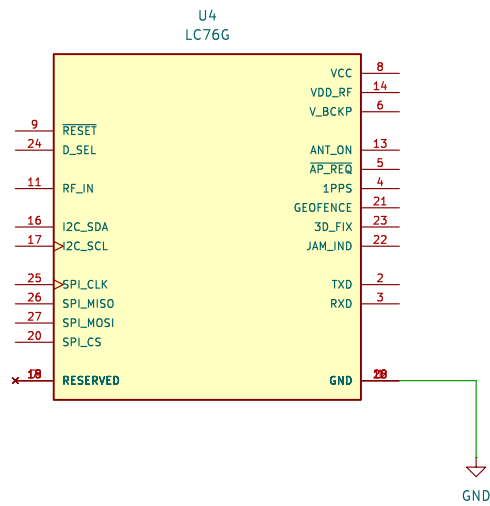
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Rev:

KiCad E.D.A. 8.0.4

Id: 9/11

# GNSS



Sheet: /GNSS/  
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**Title:**

Size: A3

Date:

**Rev:**

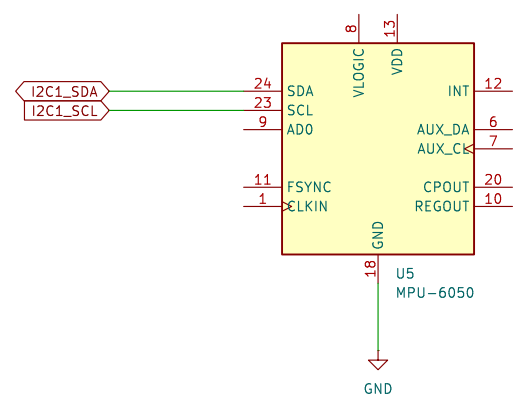
KiCad E.D.A. 8.0.4

Id: 10/11

# Sensors

## センサー

MPU-6050



AMG8833

