

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

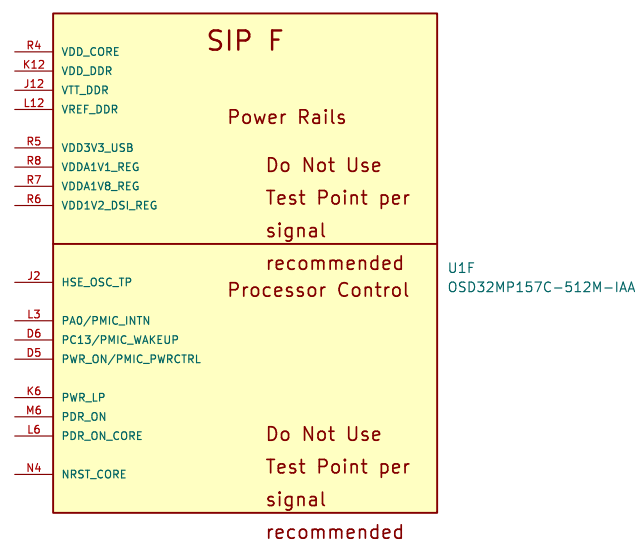
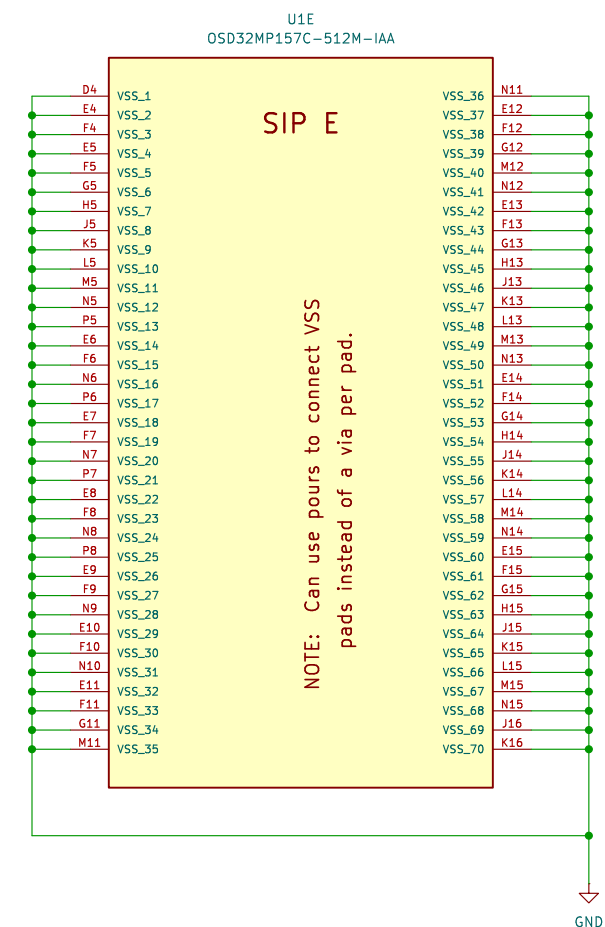
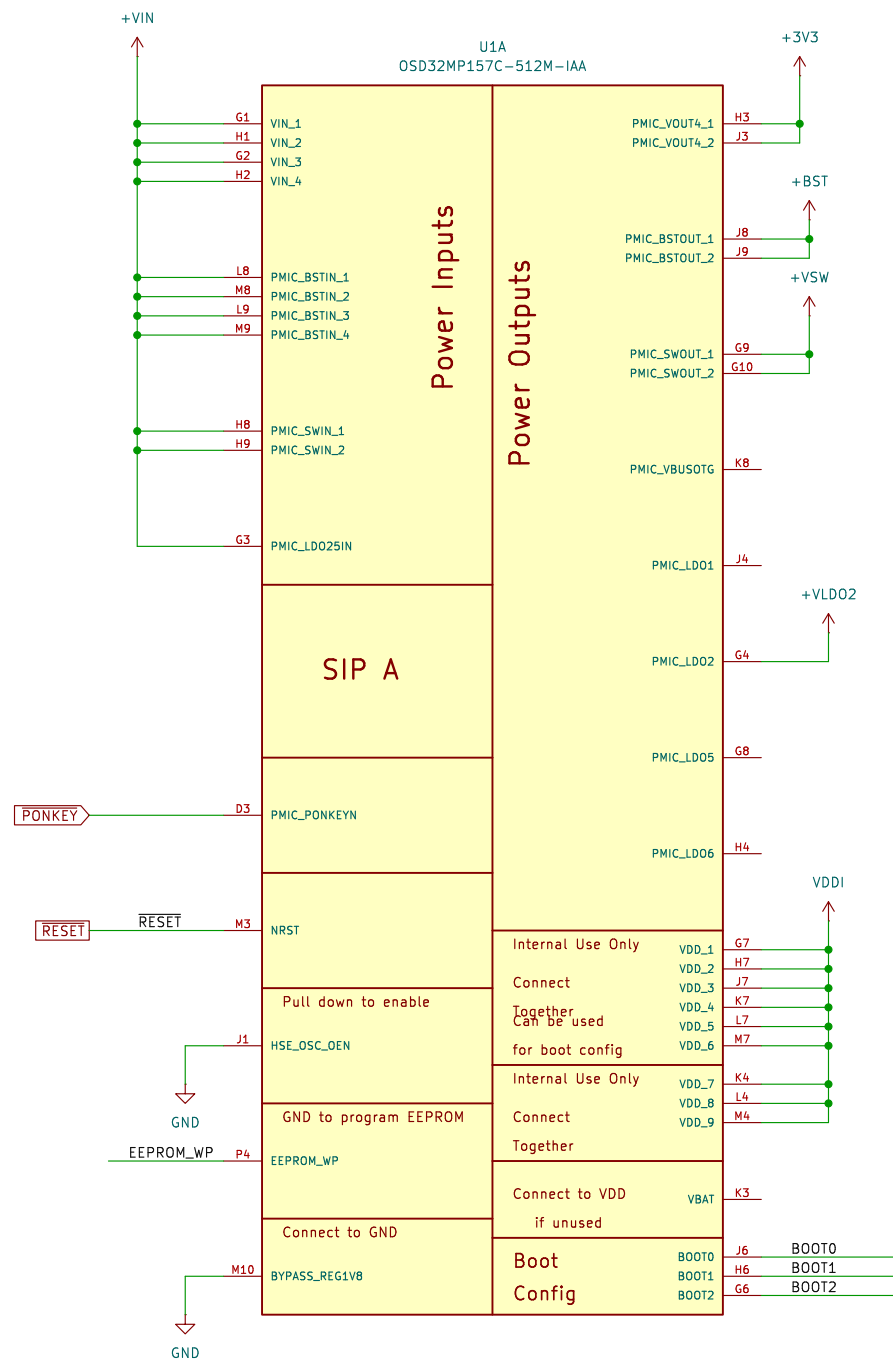
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sensors-1

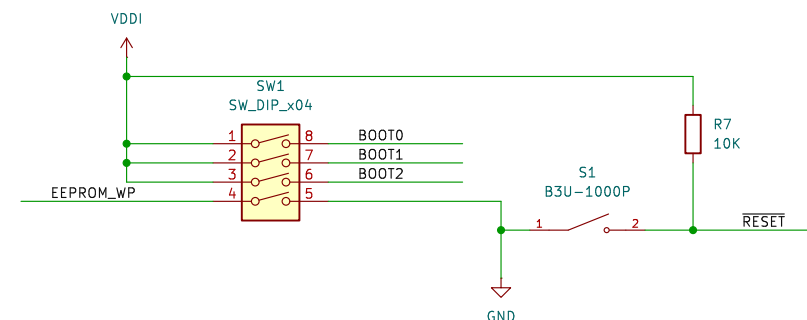
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Title:		
Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.6		Id: 1/11

OSD32MP1 power



User config and reset control



Sheet: /osd32mp1-1-power/
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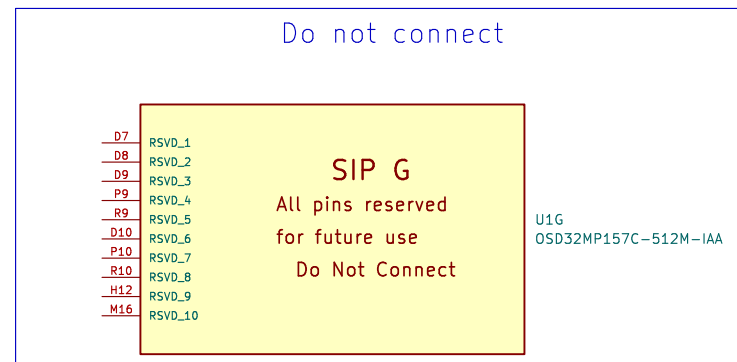
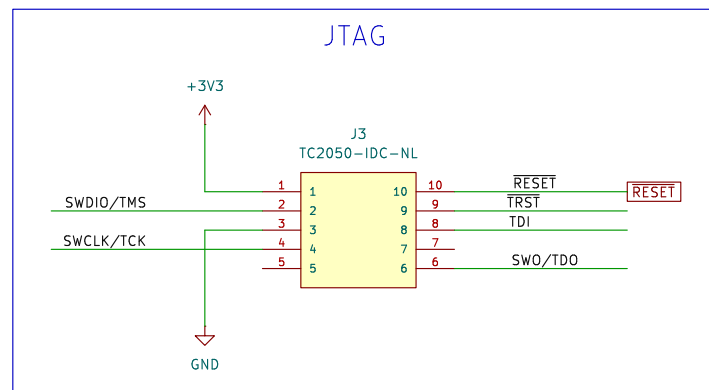
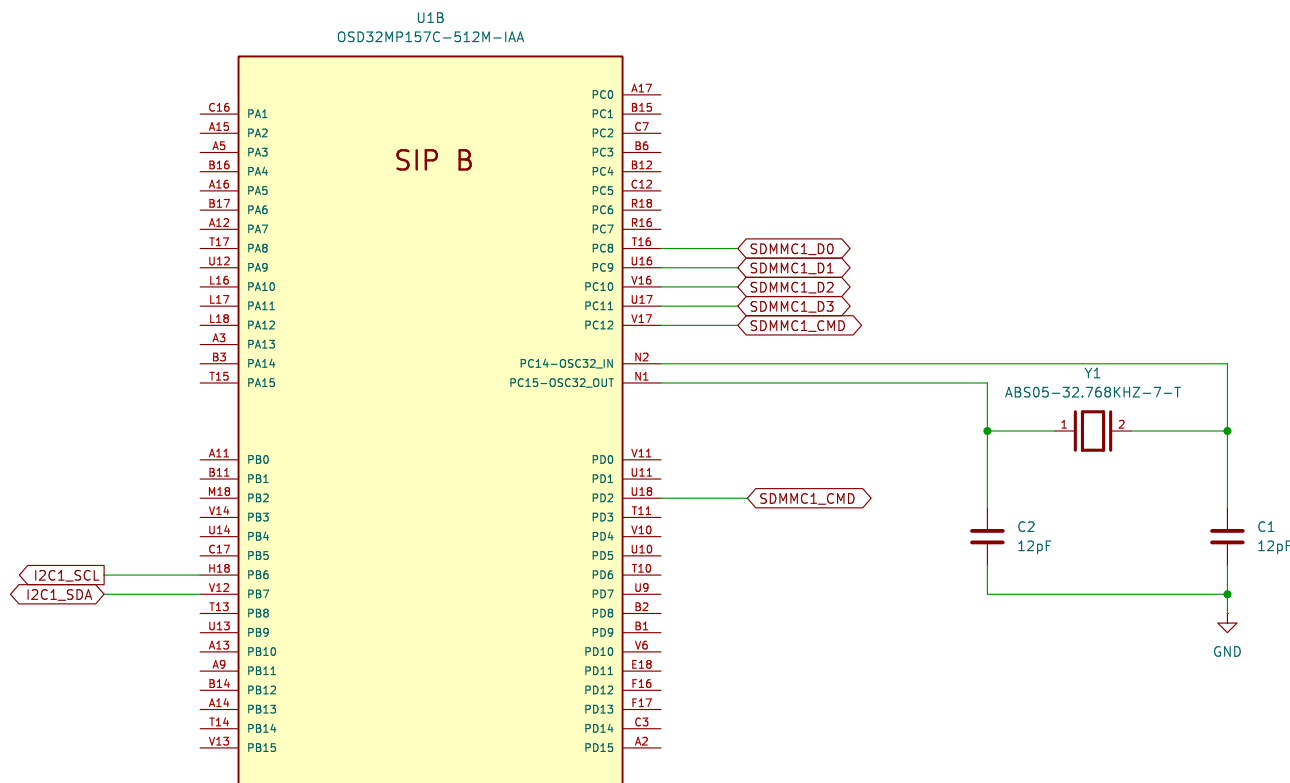
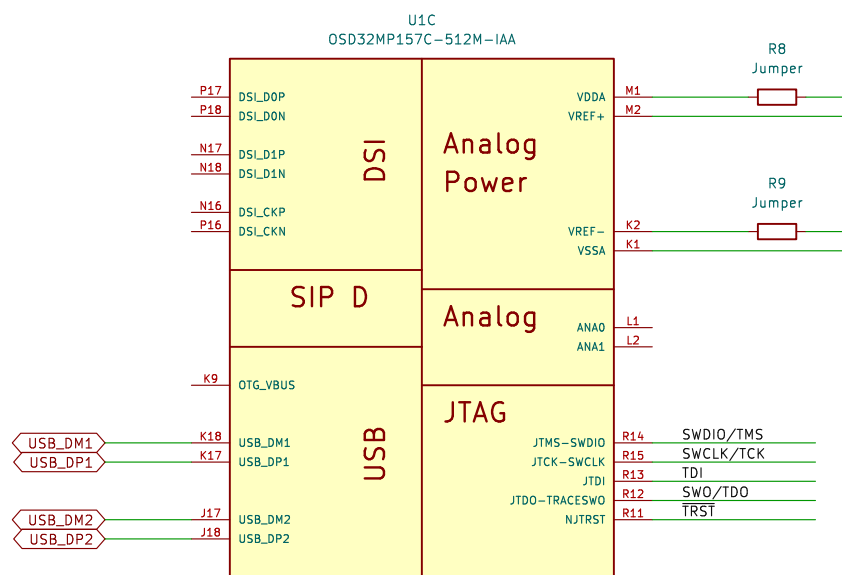
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Rev:

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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	PZ4/PMIC_SCL	
<u>C15</u>	PG5	PZ5/PMIC_SDA	
<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

P10
P11
P12
P13
P14
P15
P16
P17
P18
P19
P10
P11

T3

R1

R2

R3

P1

P2

P3

N3

C1

C2

B4

C4

PZ0
PZ1
PZ2
PZ3
PZ4/PMIC_SCL
PZ5/PMIC_SDA
PZ6
PZ7

F1

F2

F3

E1

E2

E3

D1

D2

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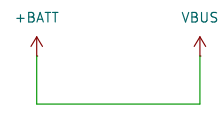
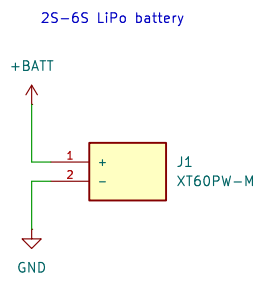
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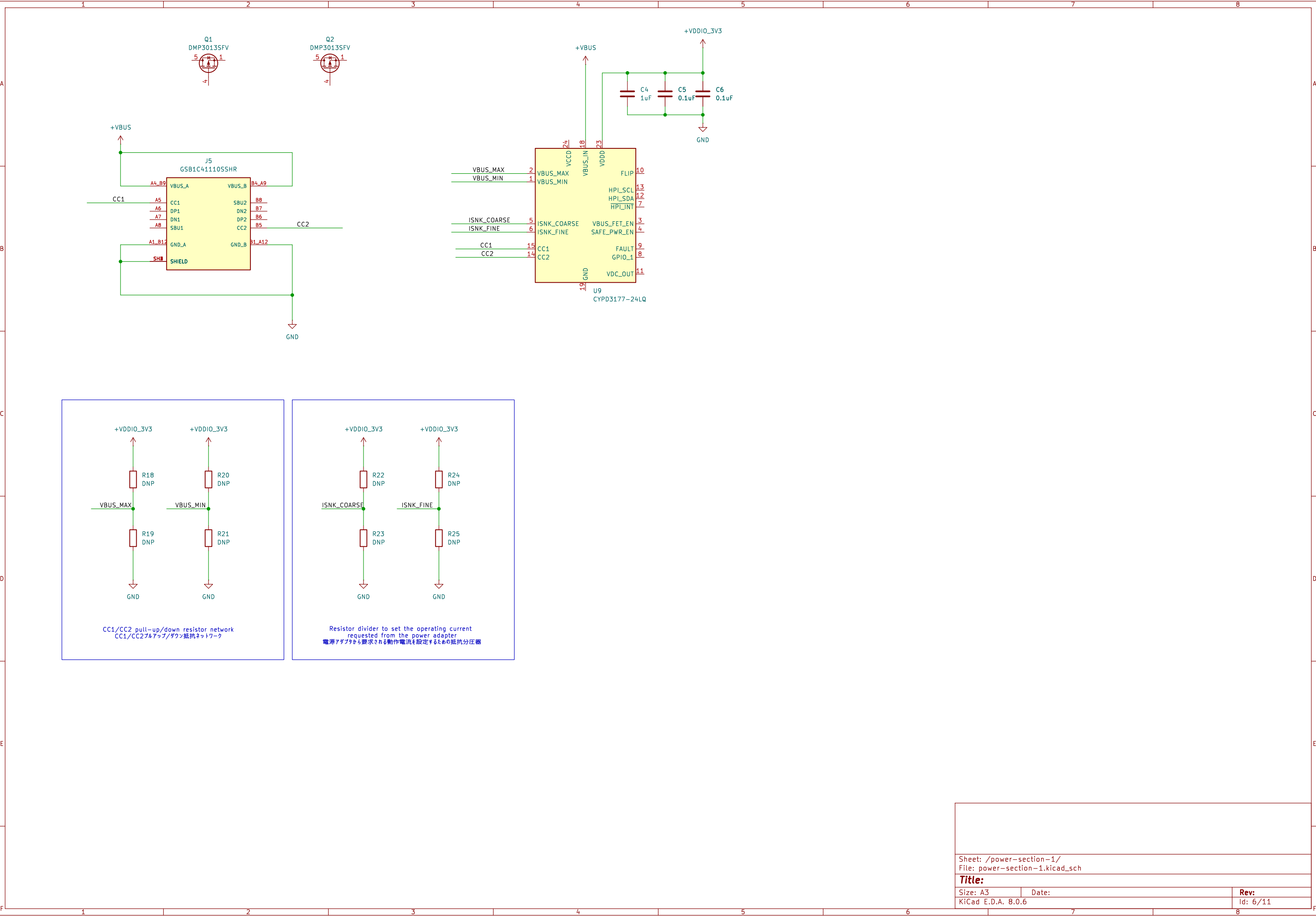
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Battery Power

バッテリー電源



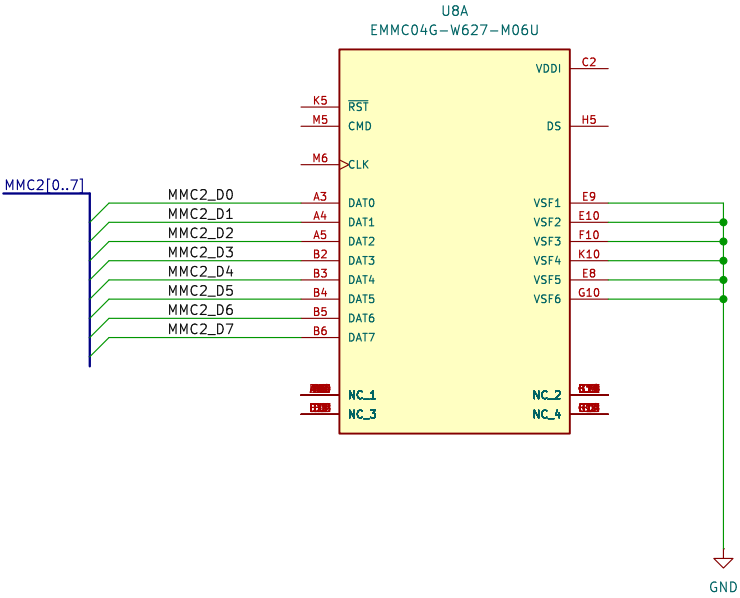
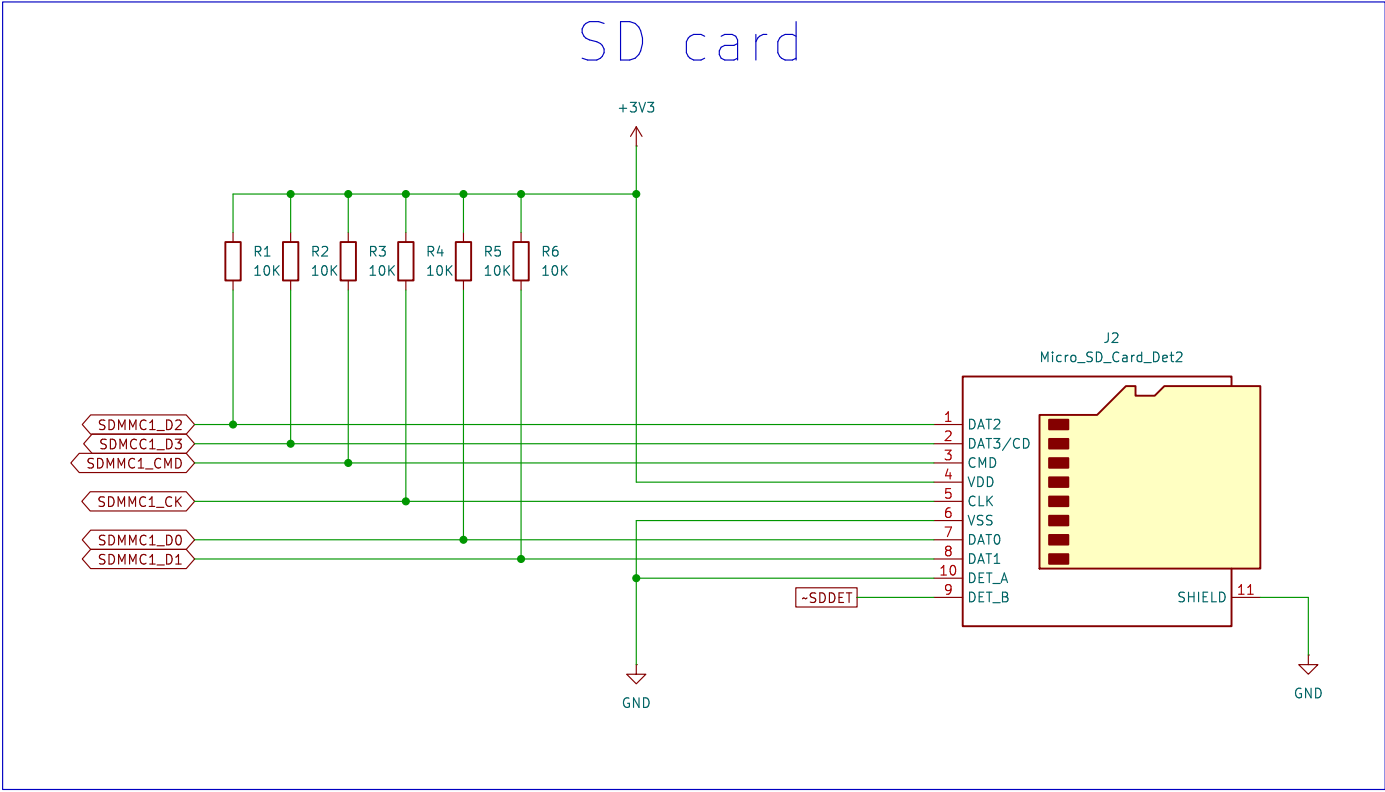
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KiCad E.D.A. 8.0.6	Id: 5/11	



Storage

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SD card



Sheet: /storage/
File: storage.kicad_sch

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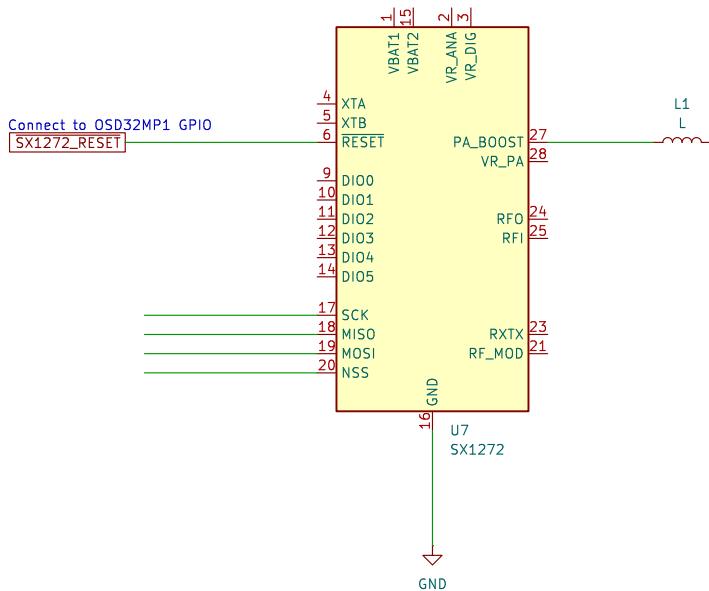
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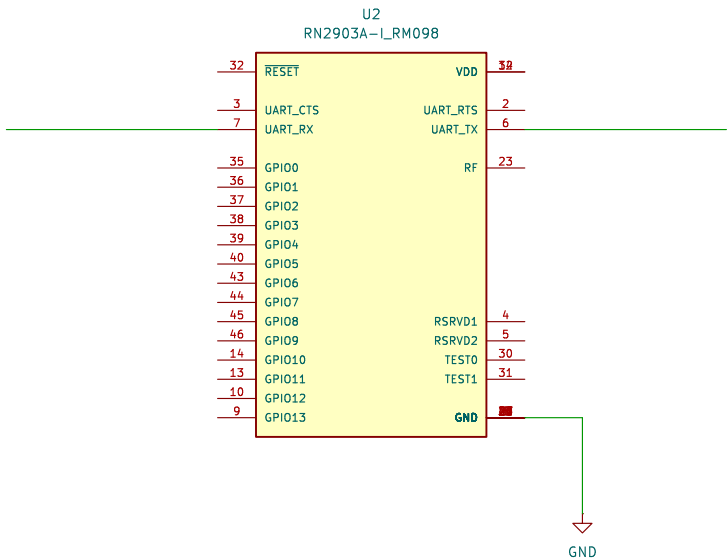
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Long range radio

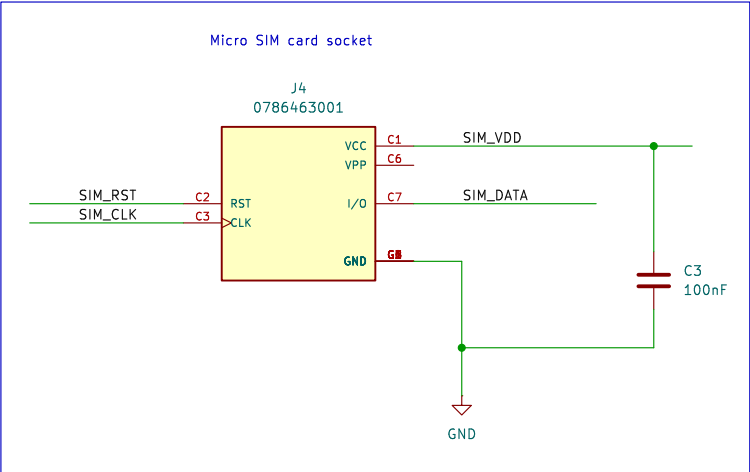
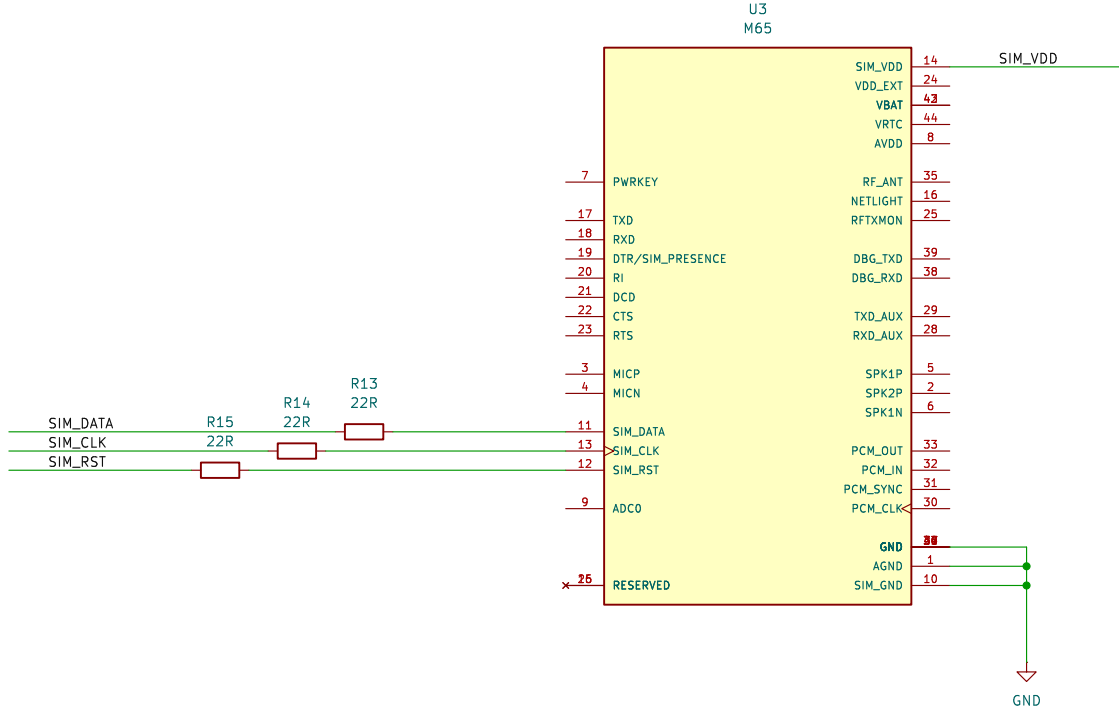
SX1272 LoRaWAN IC option



RN2903 LoRa module option



GSM/GPRS 2G Comms



Sheet: /quectel-m65-1/
File: quectel-m65-1.kicad_sch

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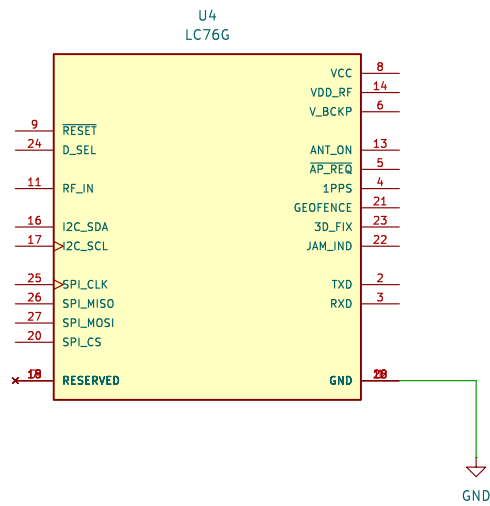
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KiCad E.D.A. 8.0.6

Id: 9/11

GNSS

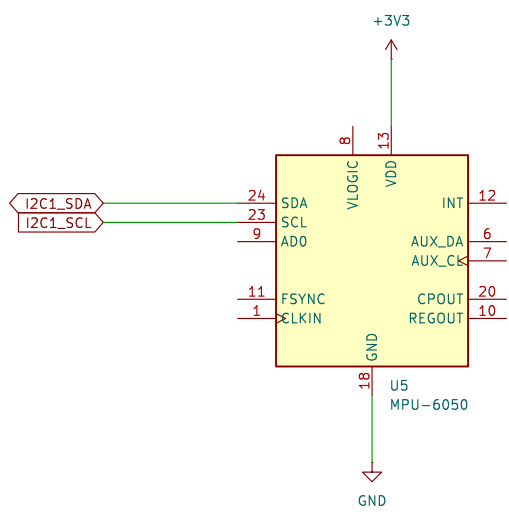


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KiCad E.D.A. 8.0.6	Id: 10/11	

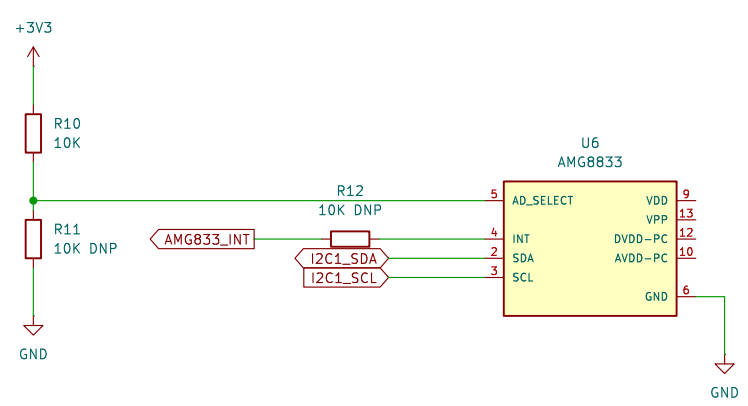
Sensors

センサー

MPU-6050



AMG8833



I2C1 Pull-up resistor

