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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

File: sensors-1.kicad_sch

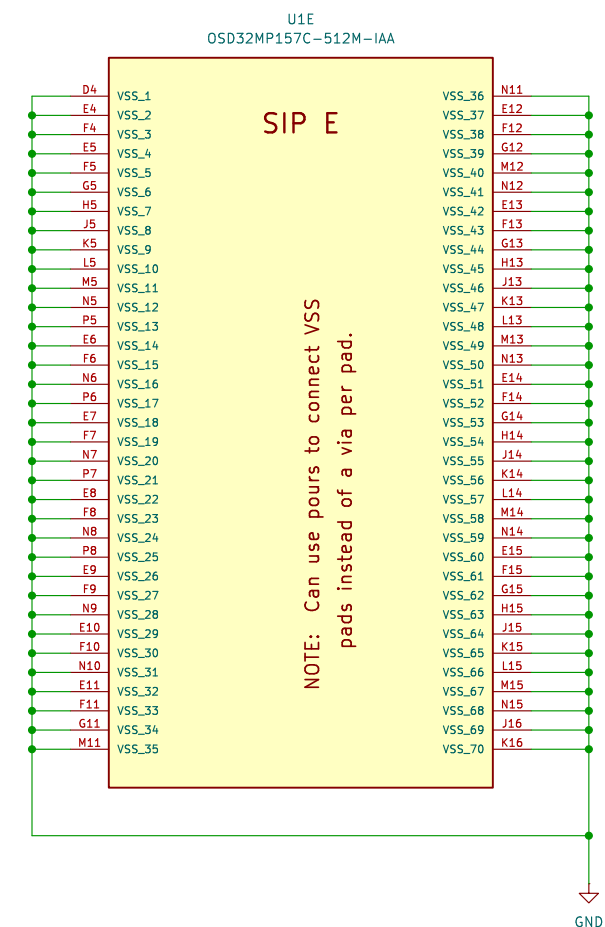
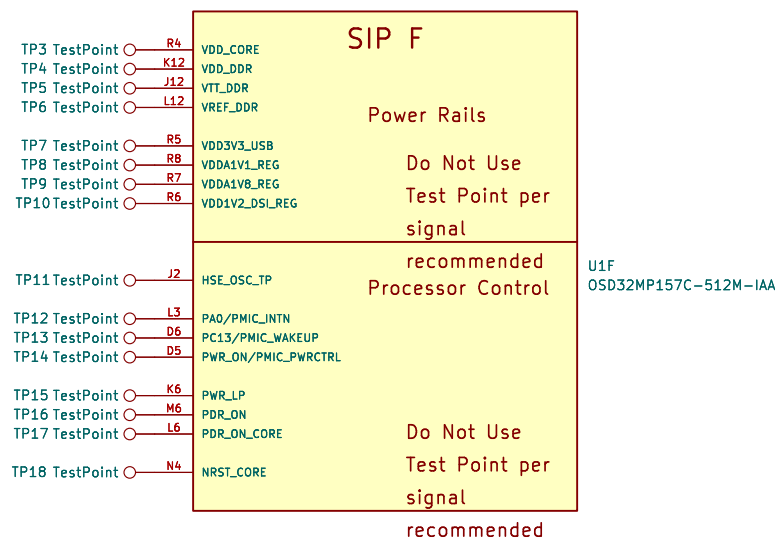
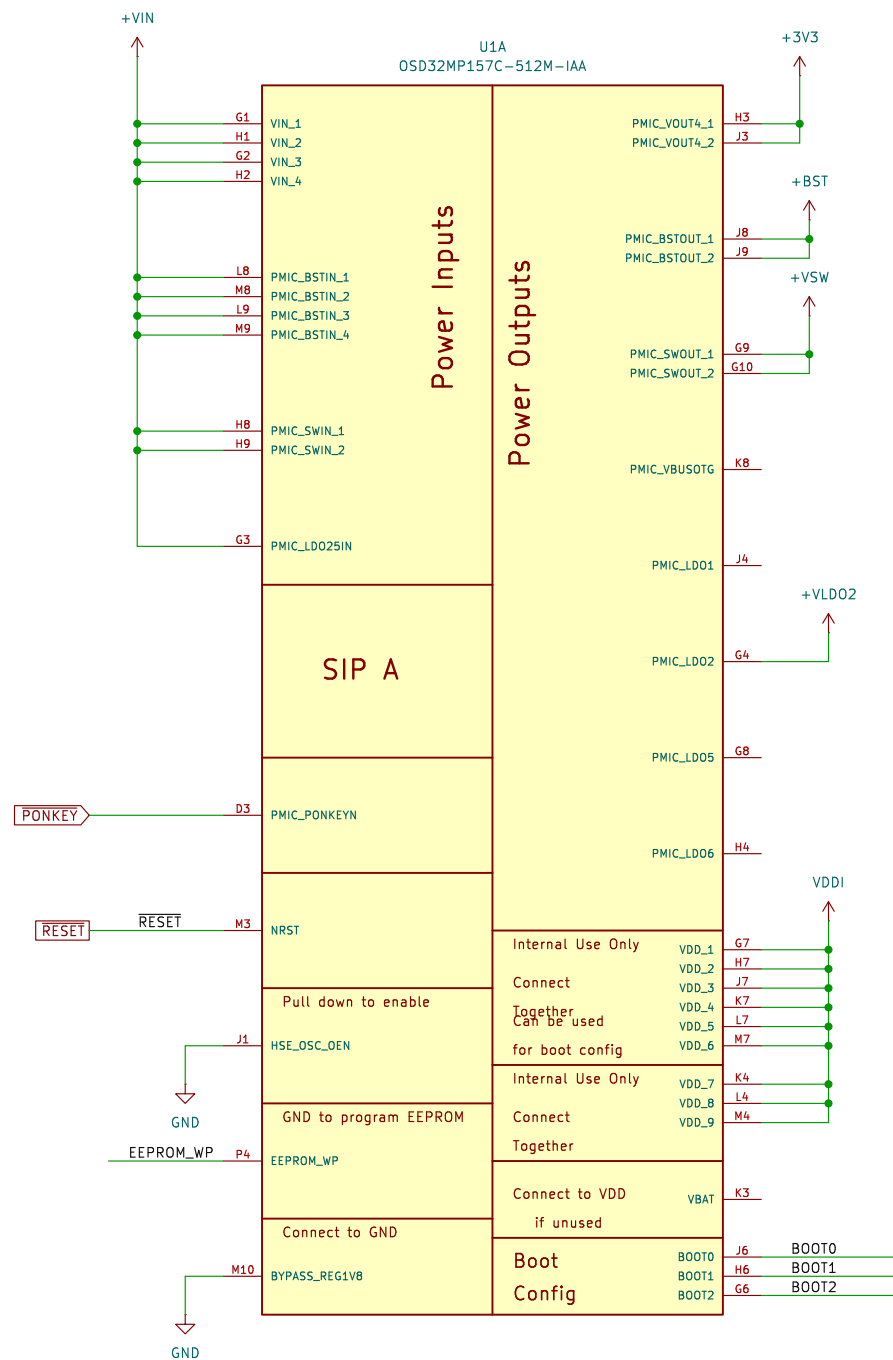
google-tpu-coral-1

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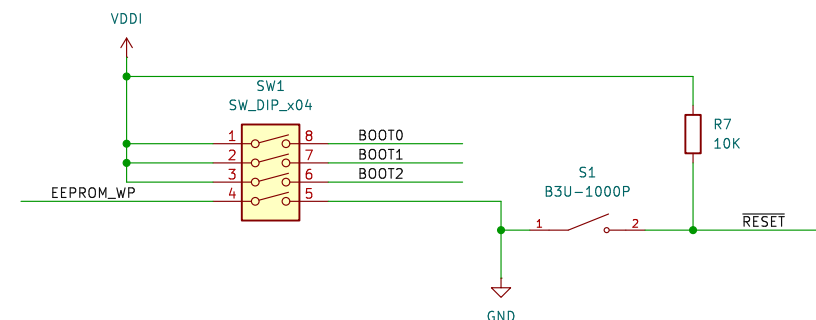
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KiCad E.D.A. 8.0.7	Id: 1/12	

OSD32MP1 power



User config and reset control



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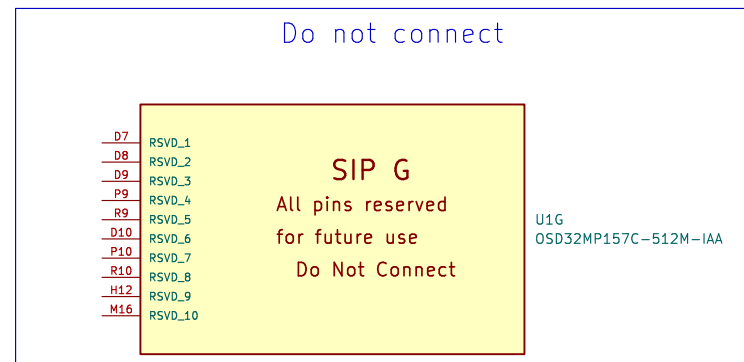
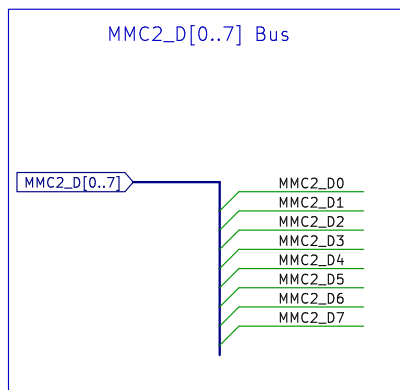
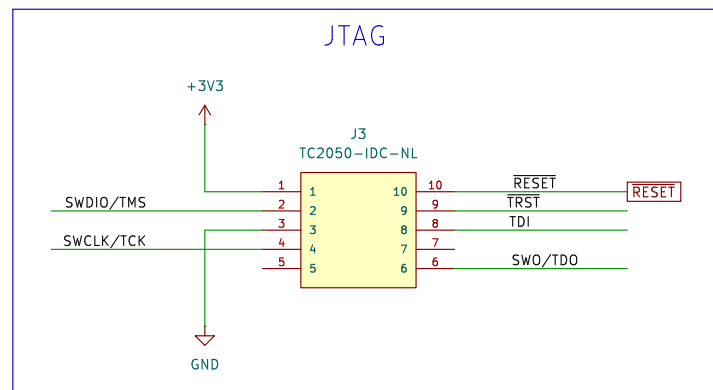
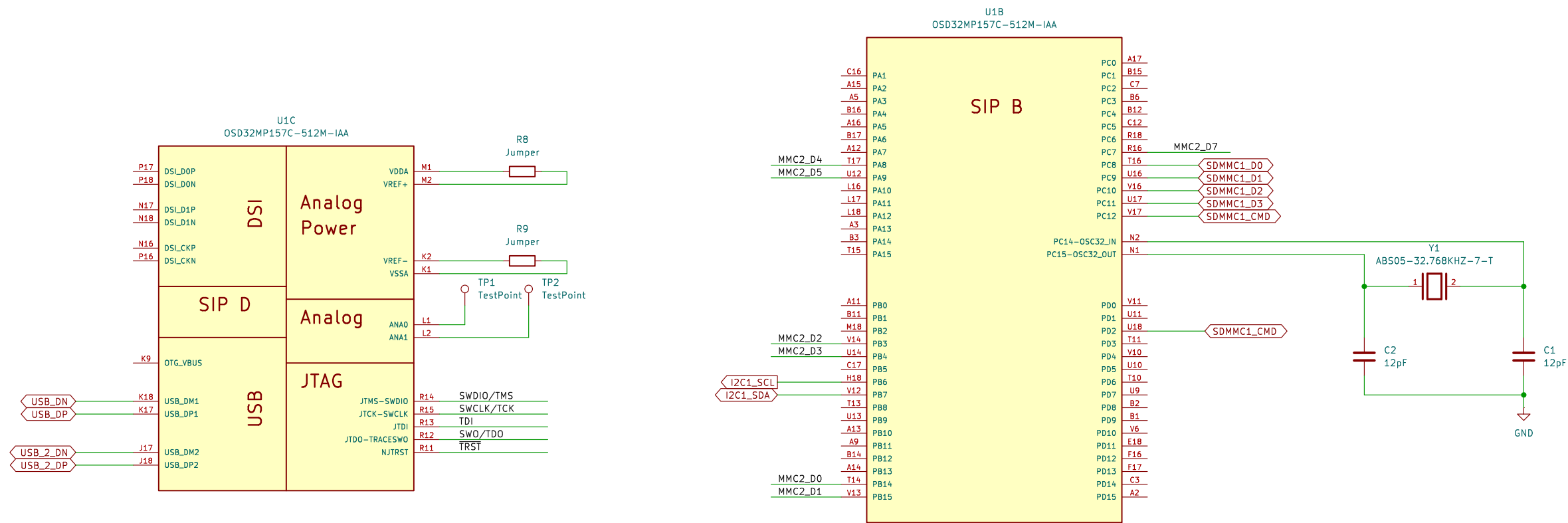
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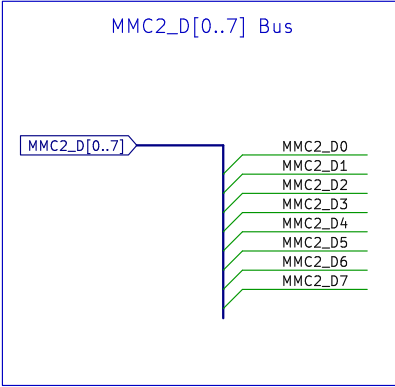
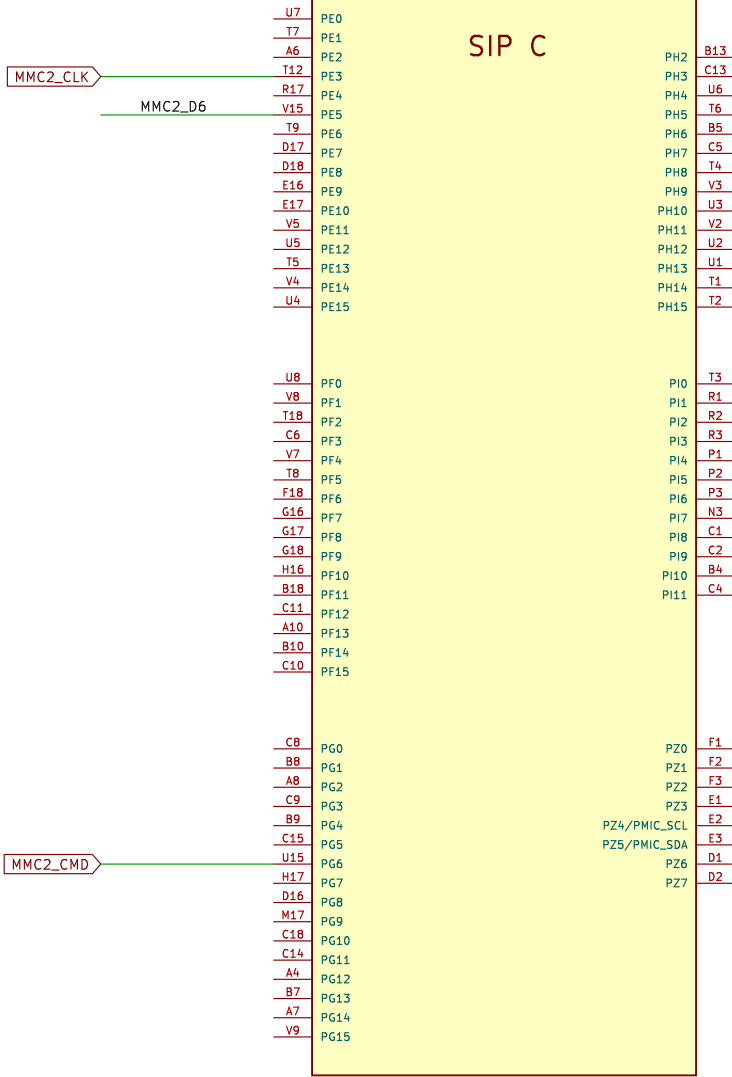
OSD32MP1



OSD32MP1

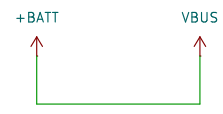
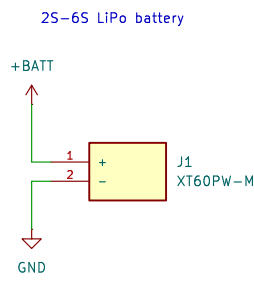
U1D
OSD32MP157C-512M-IAA

SIP C



Battery Power

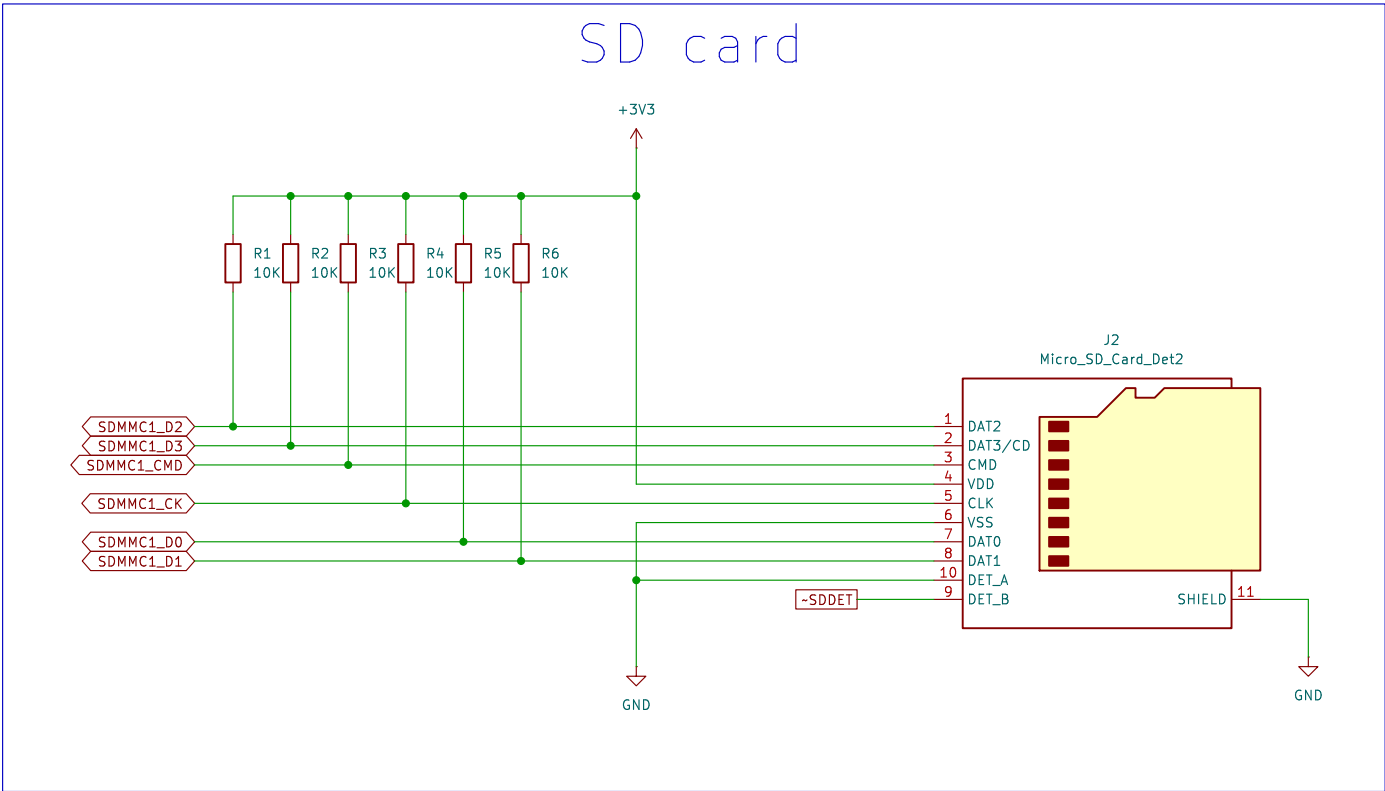
バッテリー電源



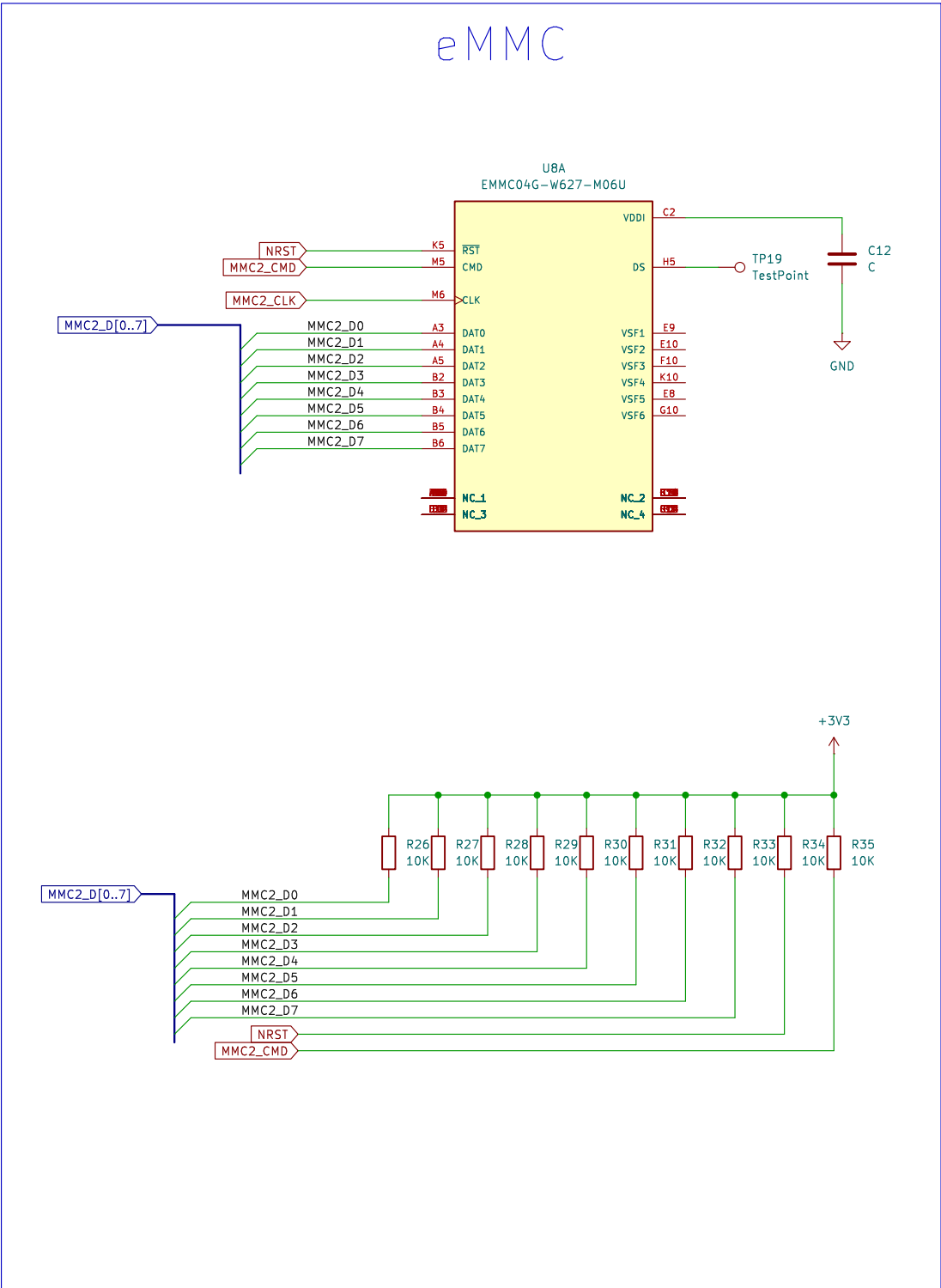
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Storage 貯蔵

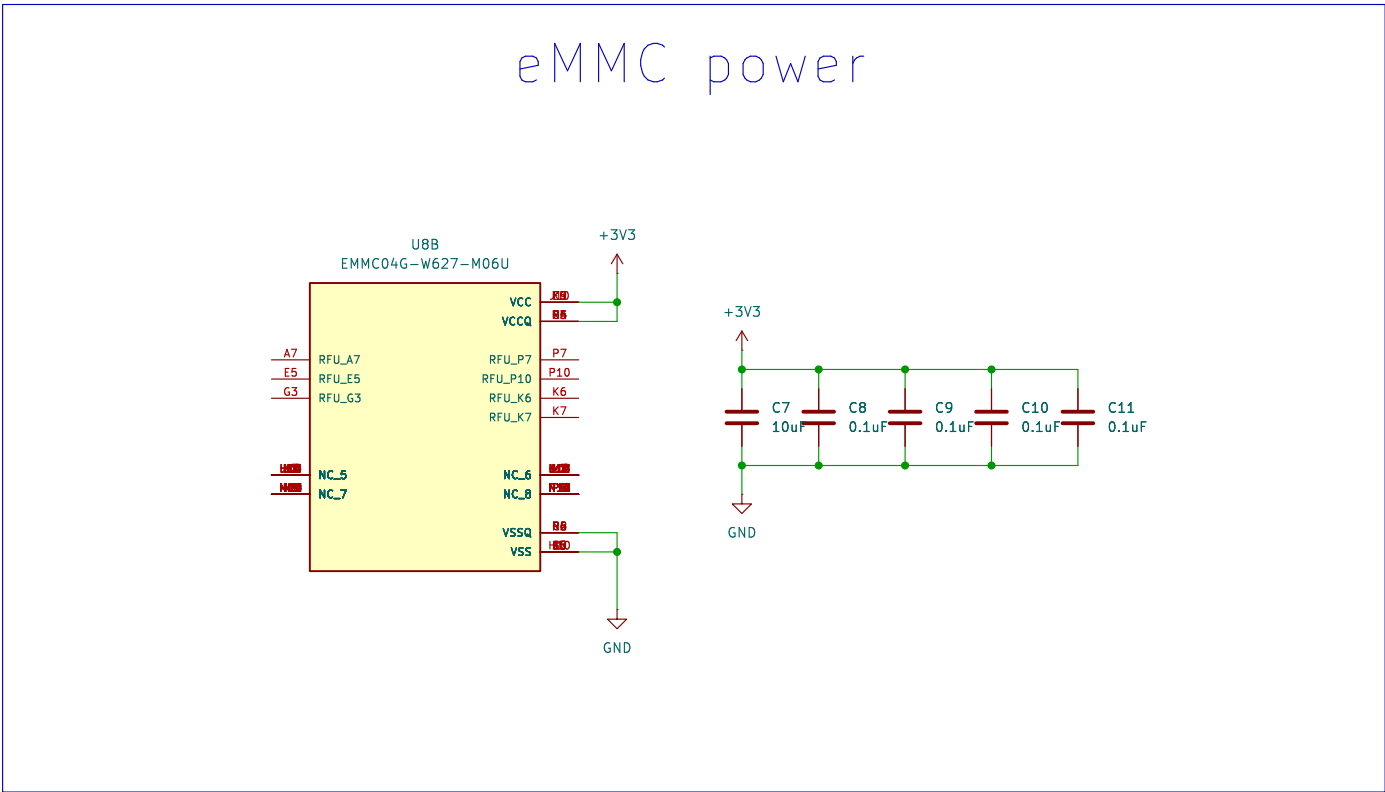
SD card



eMMC



eMMC power



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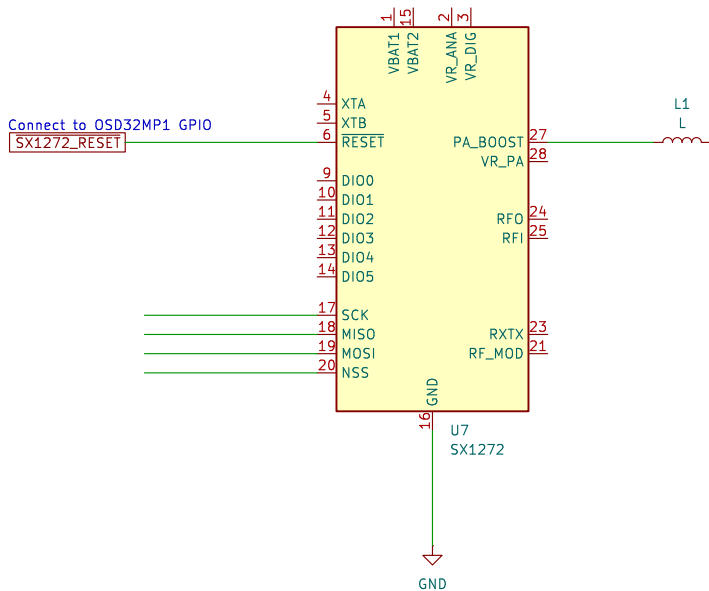
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KiCad E.D.A. 8.0.7

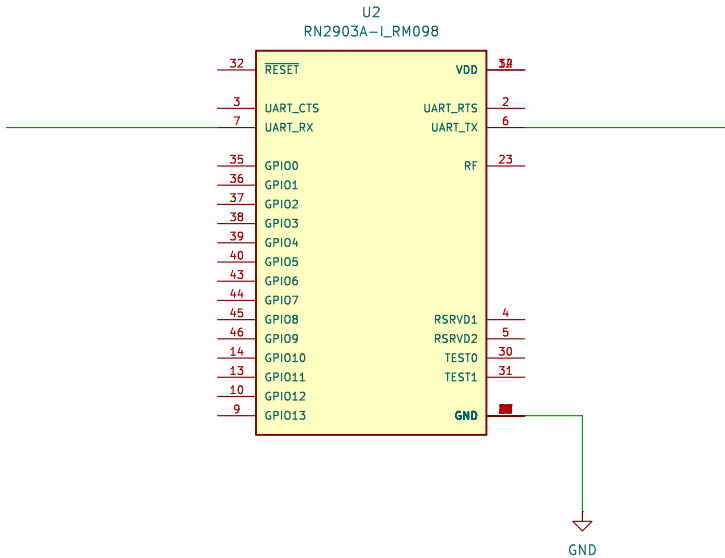
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Long range radio

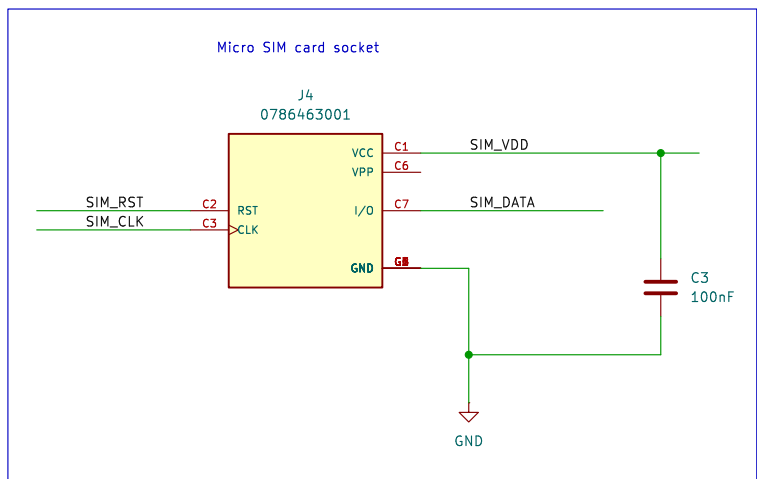
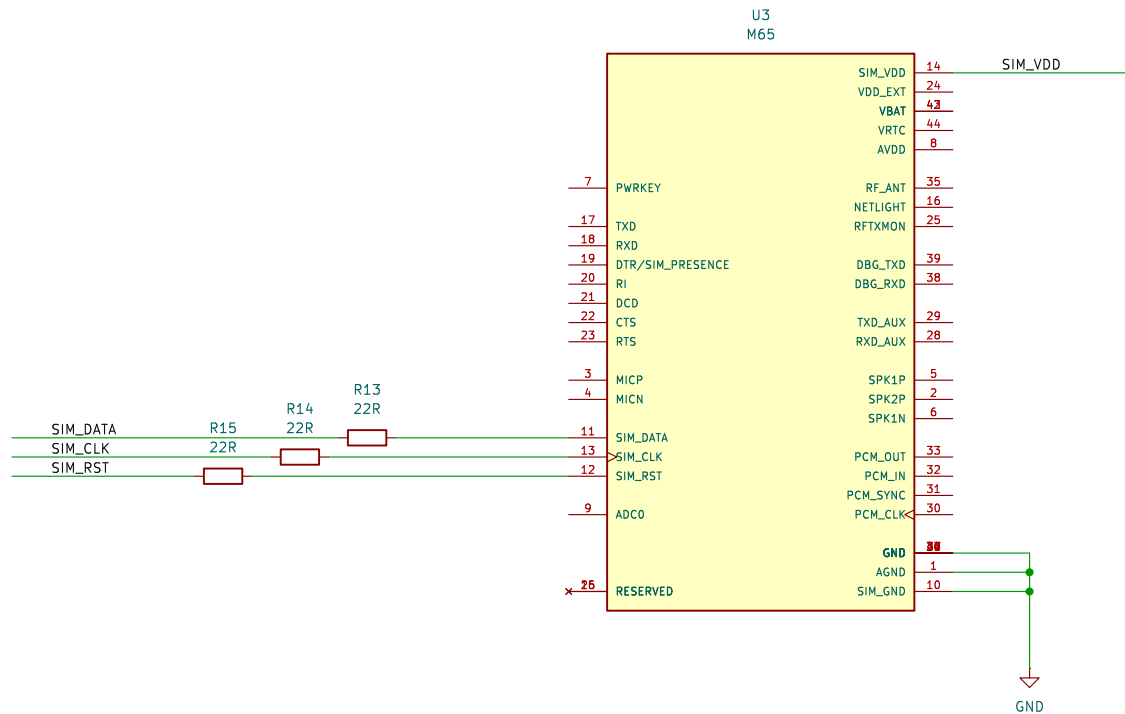
SX1272 LoRaWAN IC option



RN2903 LoRa module option



GSM/GPRS 2G Comms



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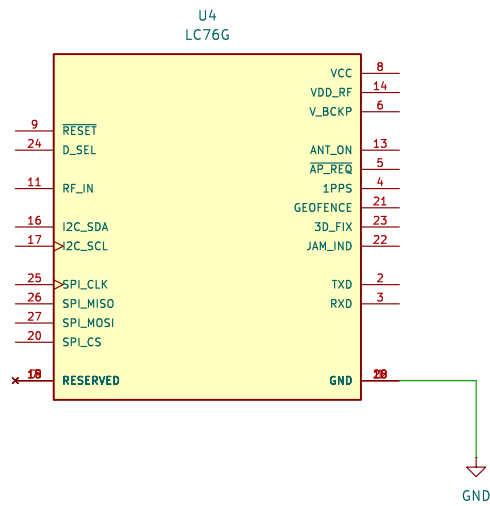
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GNSS

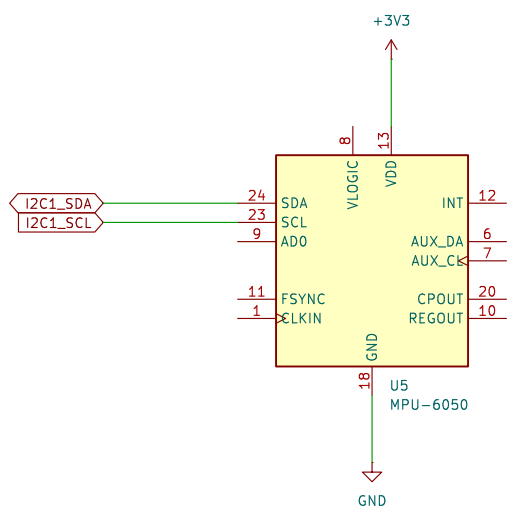


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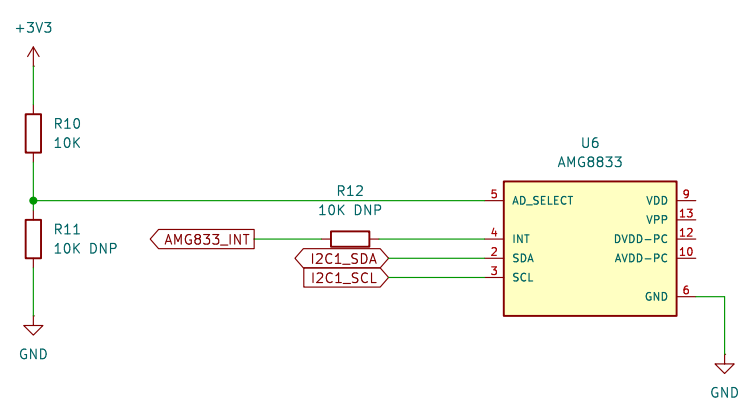
Sensors

センサー

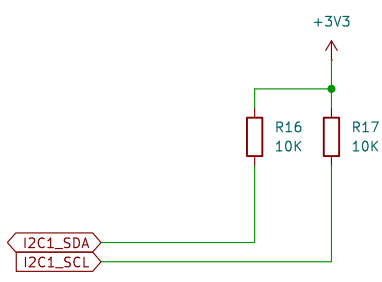
MPU-6050



AMG8833



I2C1 Pull-up resistor



Google Coral edge tensor processing unit

Google Coral エッジテンソル処理ユニット

Board to board mezzanine connector
基板対基板メザンコネクタ

