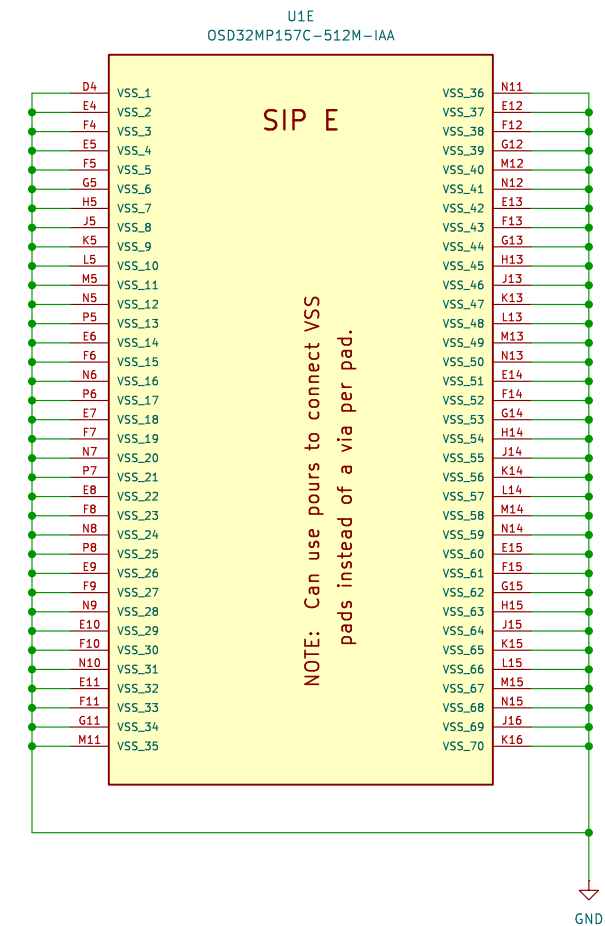
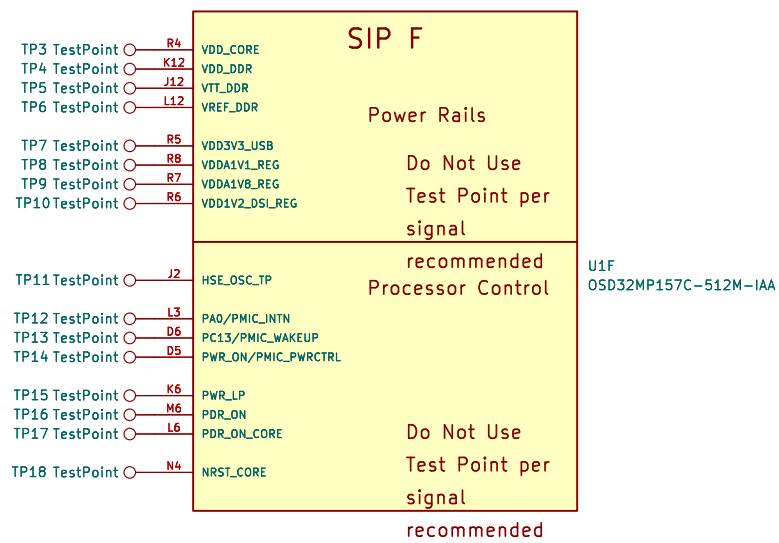
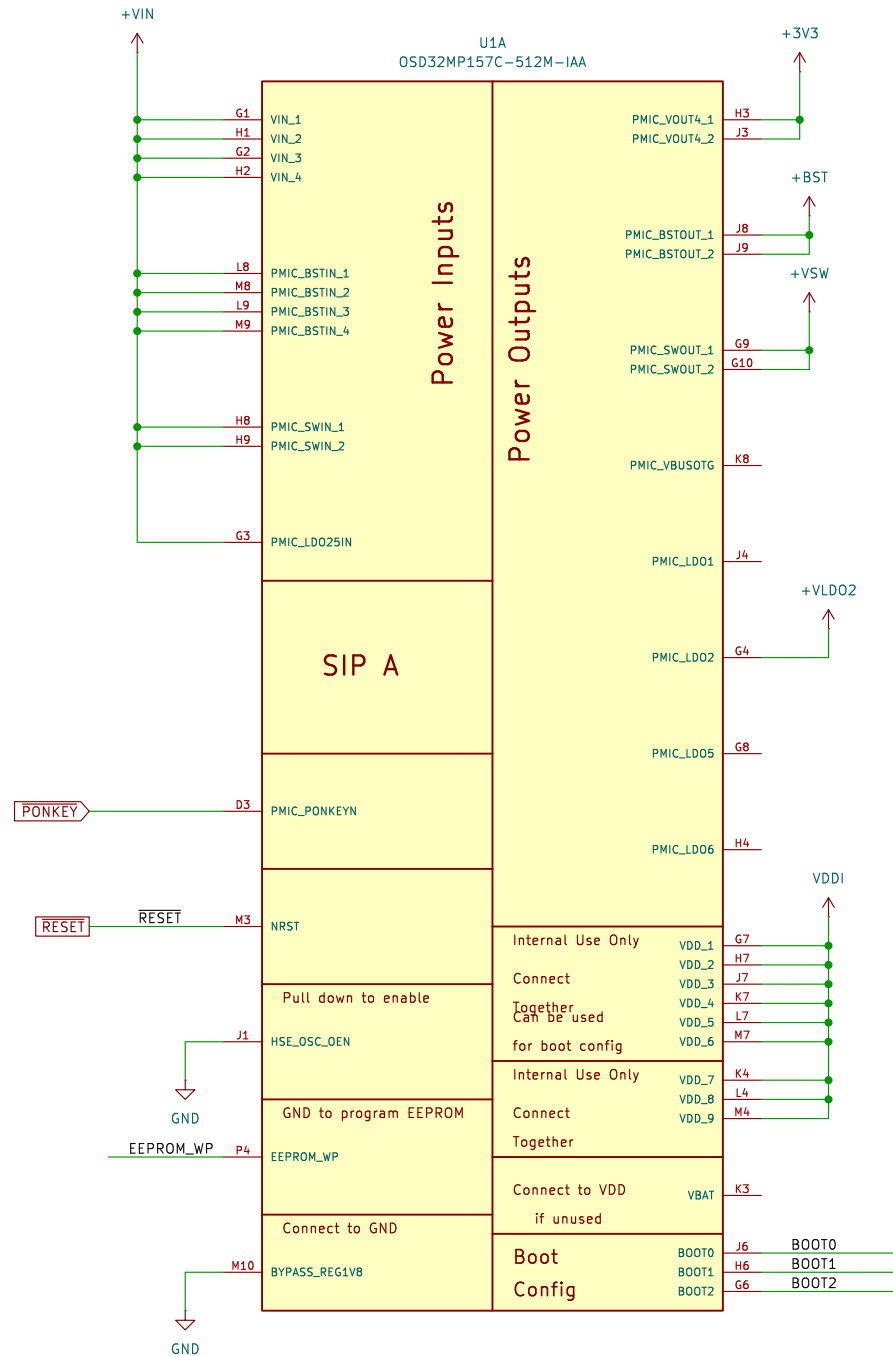


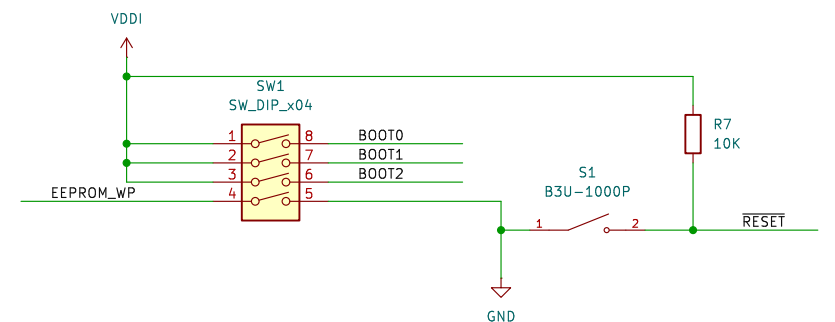
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A	Linux based scout UAV LinuxベースのスカウトUAV							
B	Sheetname: osd32mp1-1-power [Redacted Box] File: osd32mp1-1-power.kicad_sch Sheetname: osd32mp1-2 [Redacted Box] File: osd32mp1-2.kicad_sch Sheetname: osd32mp1-3 [Redacted Box] File: osd32mp1-3.kicad_sch Sheetname: battery-power [Redacted Box] File: battery-power.kicad_sch Sheetname: power-section-1 [Redacted Box] File: power-section-1.kicad_sch storage [Redacted Box] File: storage.kicad_sch long-range-radio-1 [Redacted Box] File: long-range-radio-1.kicad_sch quectel-m65-1 [Redacted Box] File: quectel-m65-1.kicad_sch GNSS [Redacted Box] File: gnss.kicad_sch sensors-1 [Redacted Box] File: sensors-1.kicad_sch google-tpu-coral-1 [Redacted Box] File: google-coral-tpu-1.kicad_sch							
C								
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E								
F								

Sheet: / File: linux-based-scout-uav.kicad_sch		
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Size: A3	Date:	Rev:
KiCad E.D.A. 8.0.8	Id: 1/12	

OSD32MP1 power



User config and reset control



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Title:

Size: A3

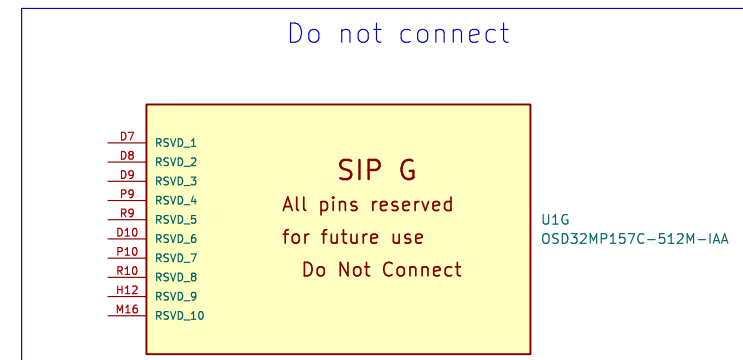
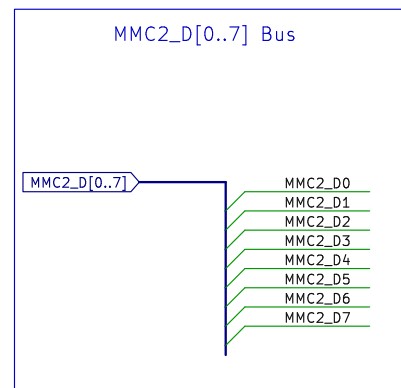
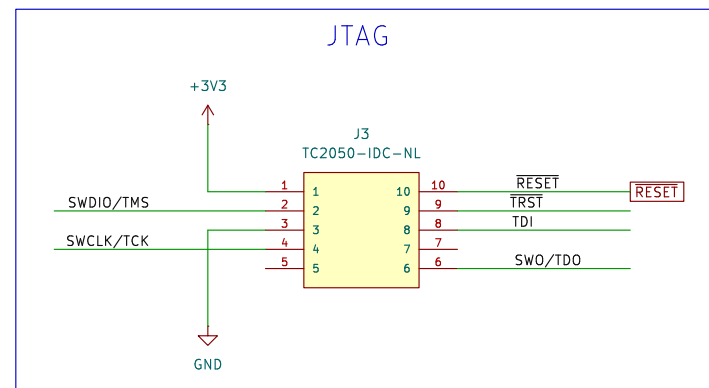
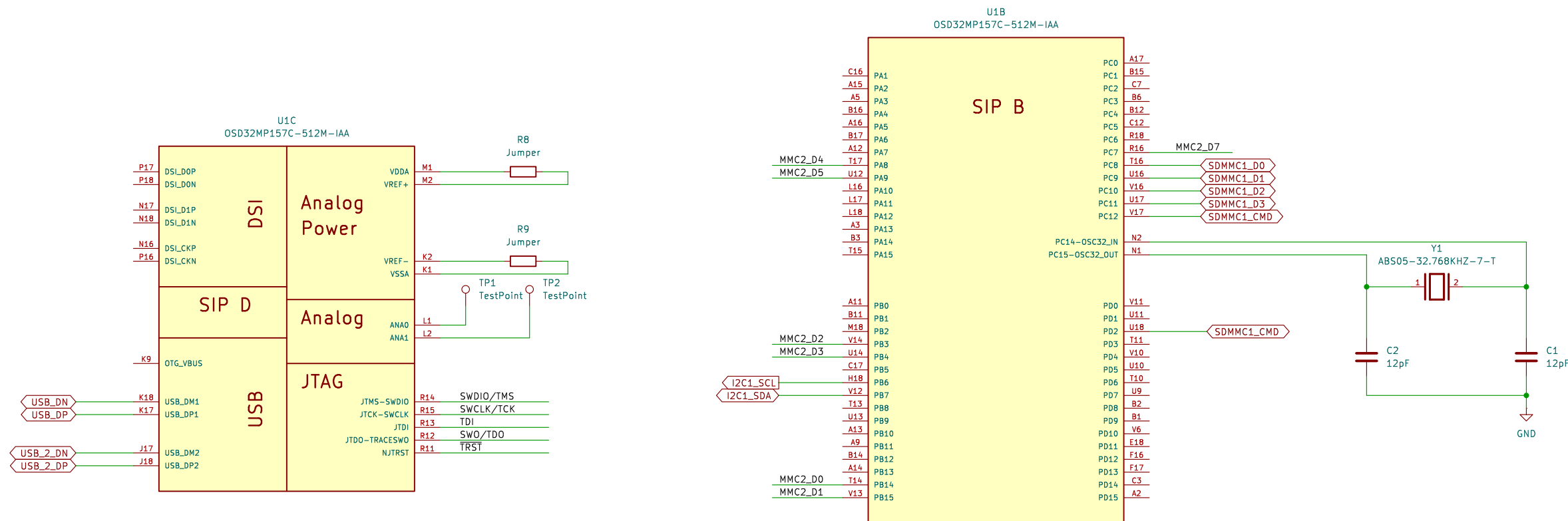
Date:

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KiCad E.D.A. 8.0.8

Id: 2/12

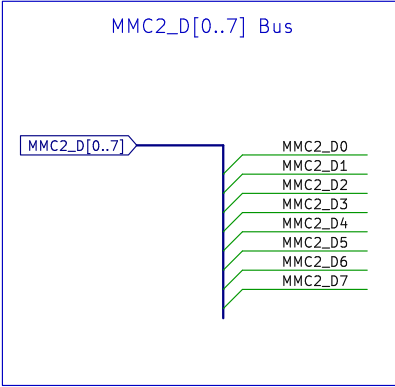
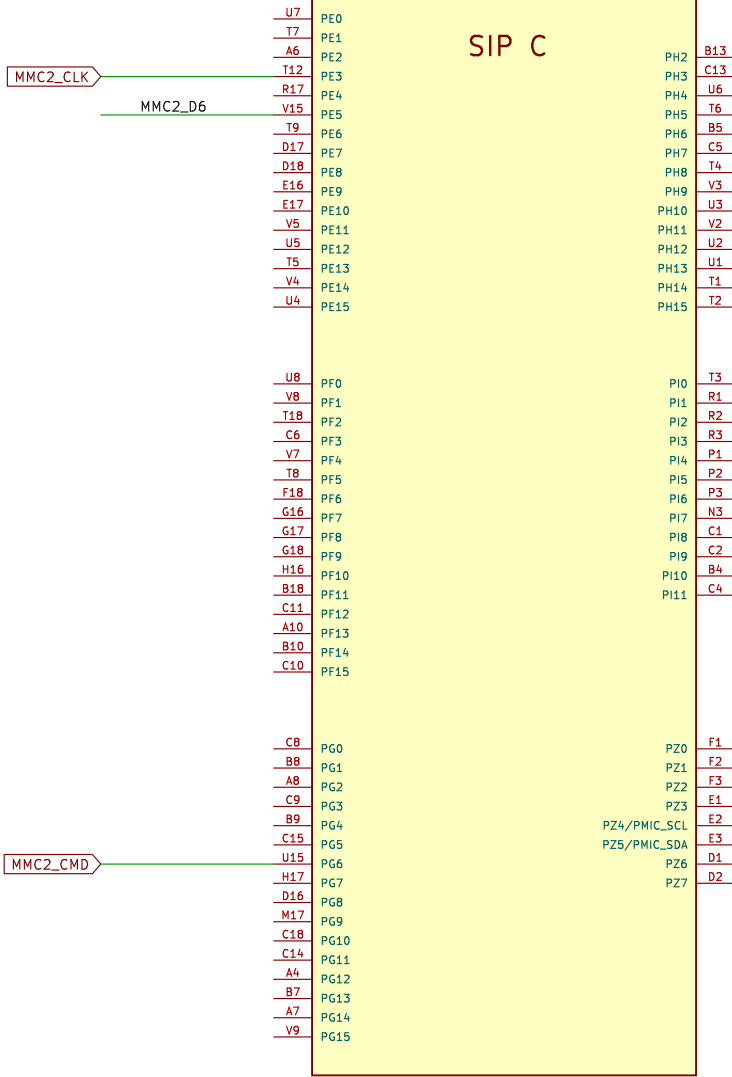
OSD32MP1



OSD32MP1

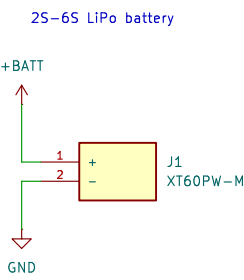
U1D
OSD32MP157C-512M-IAA

SIP C



Battery Power

バッテリー電源



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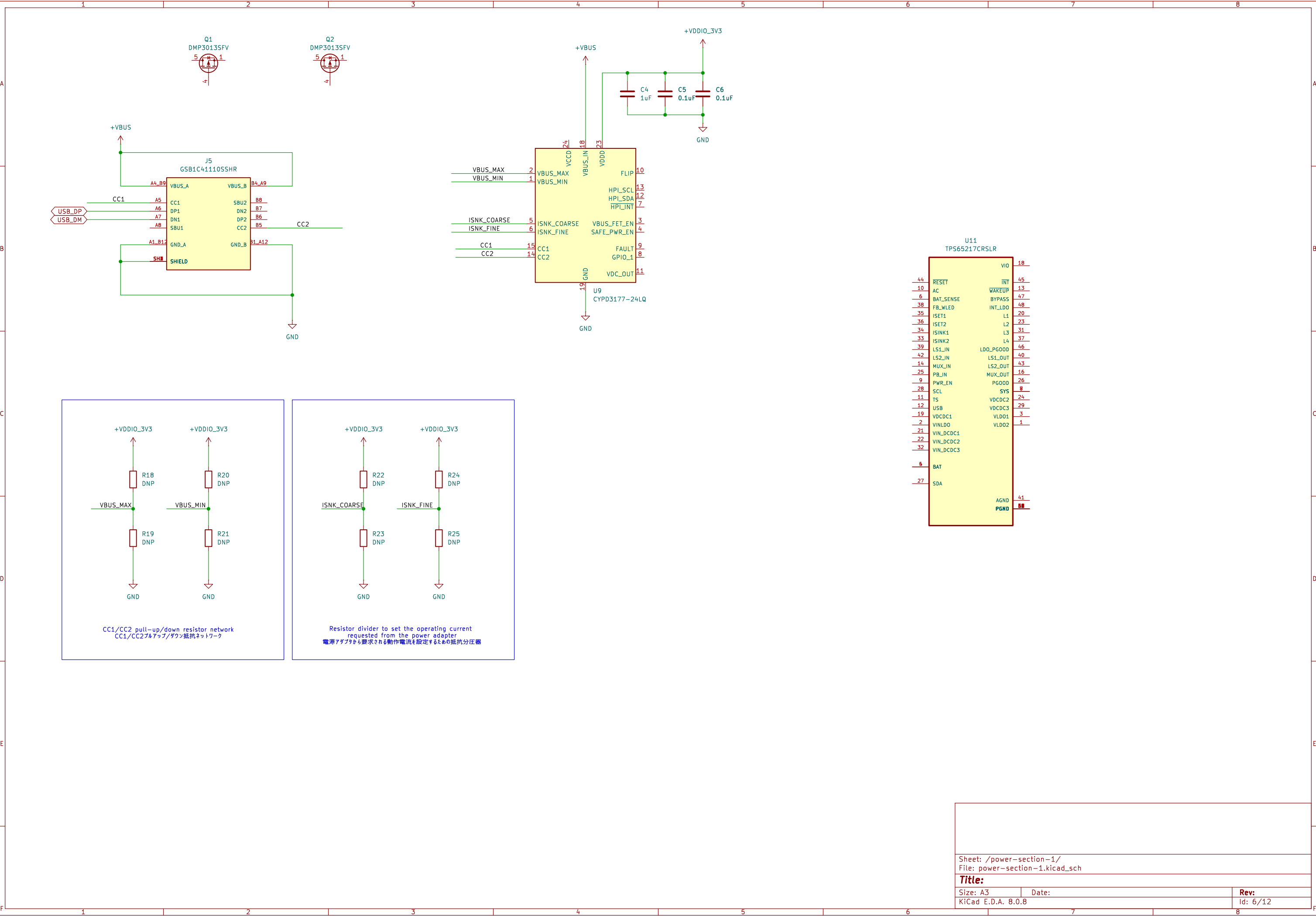
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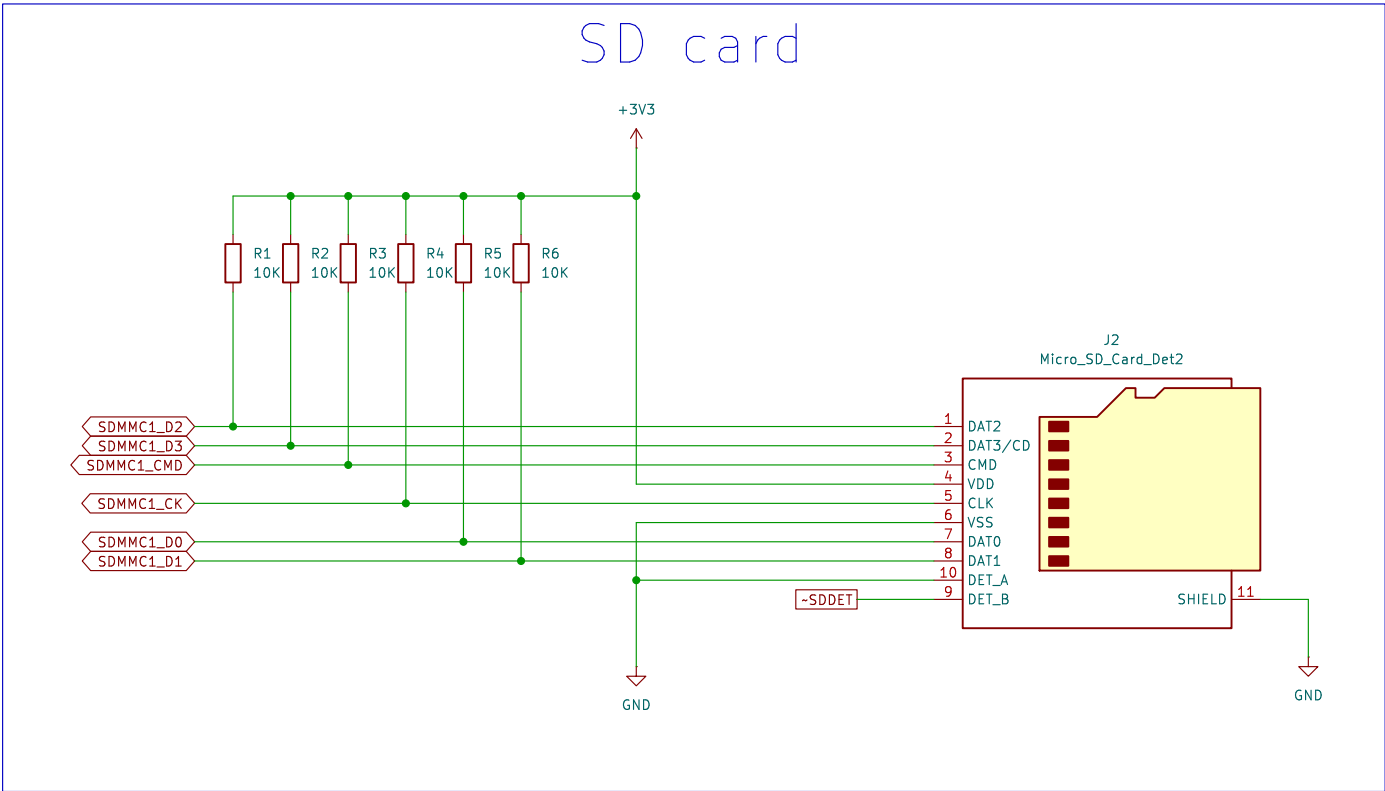
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Id: 5/12

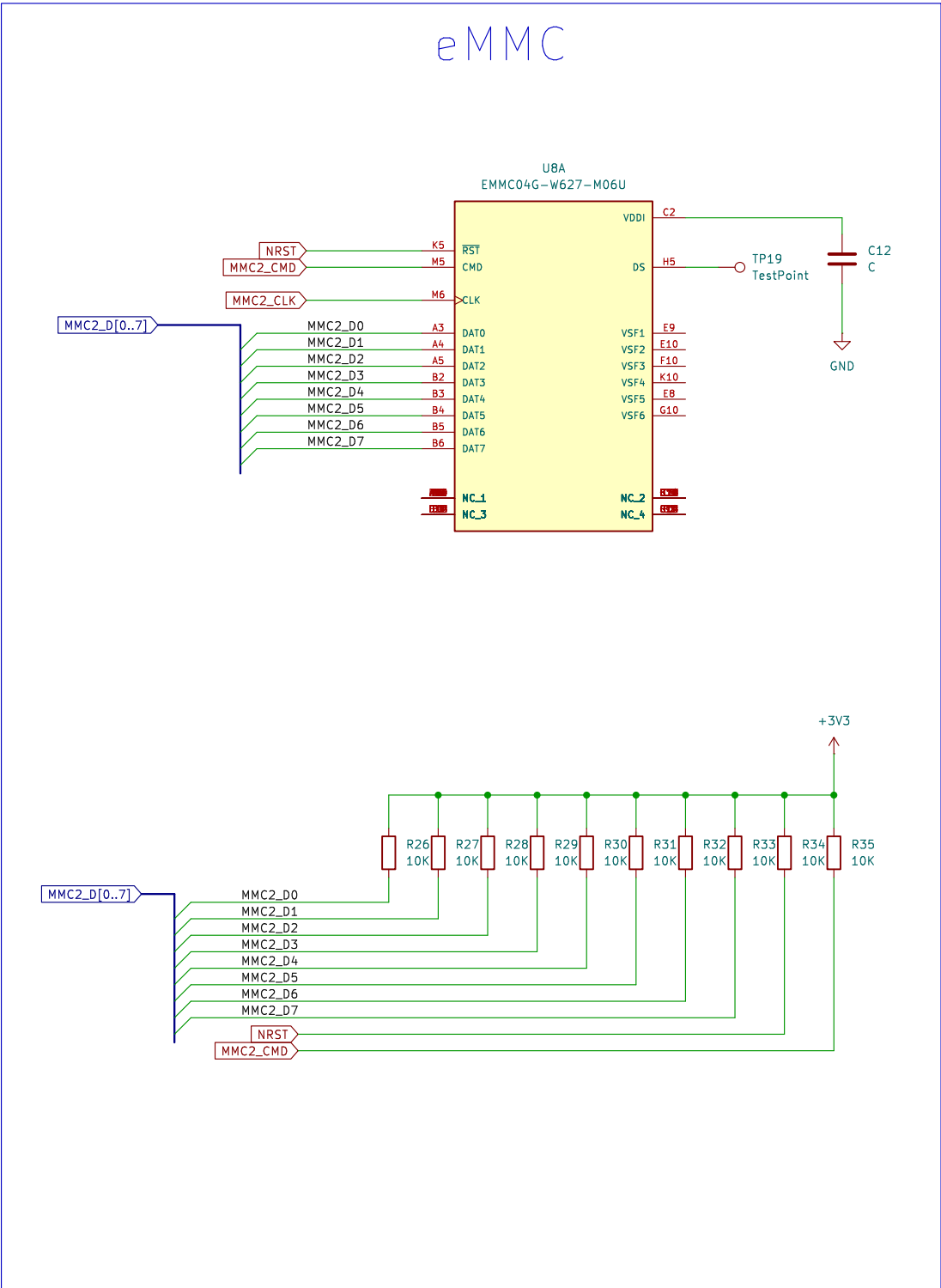


Storage 貯蔵

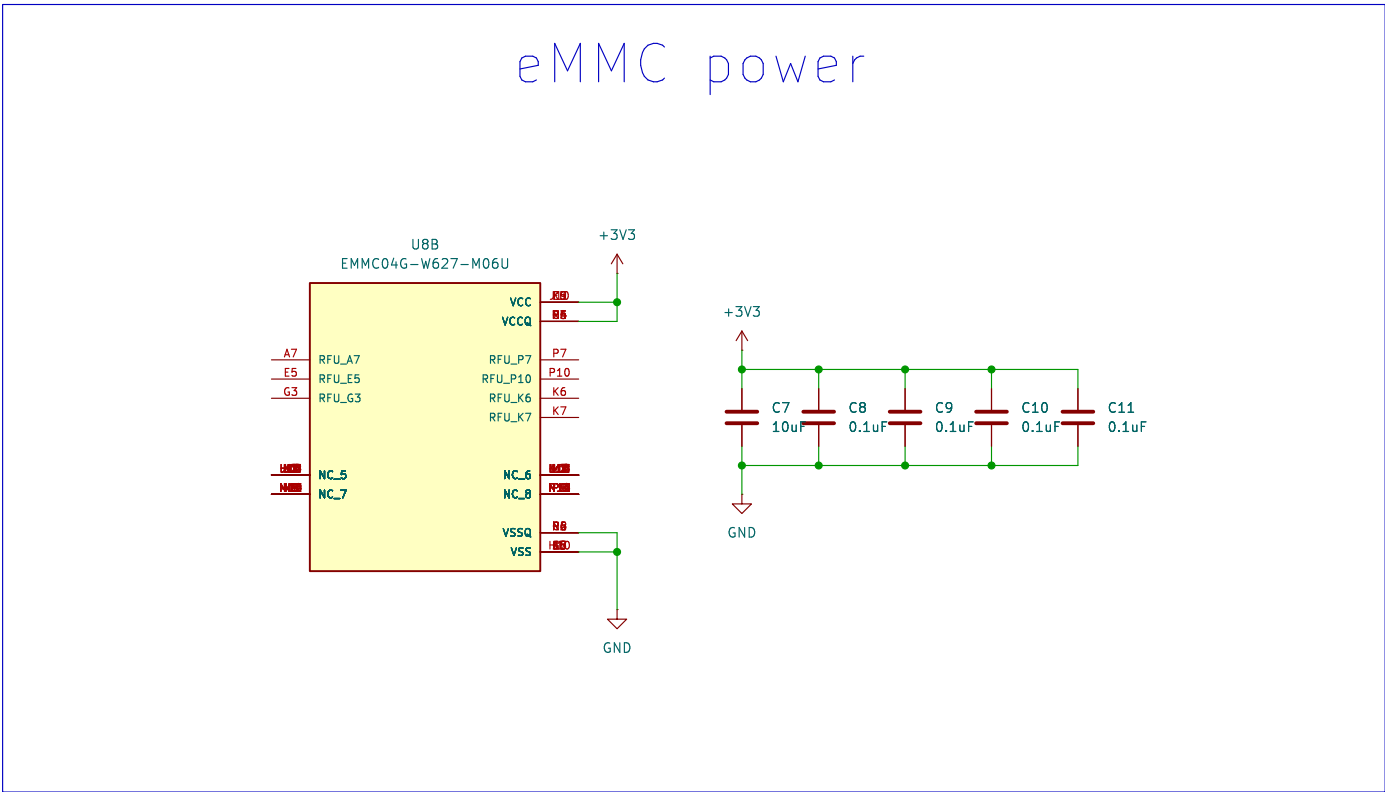
SD card



eMMC



eMMC power



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Date:

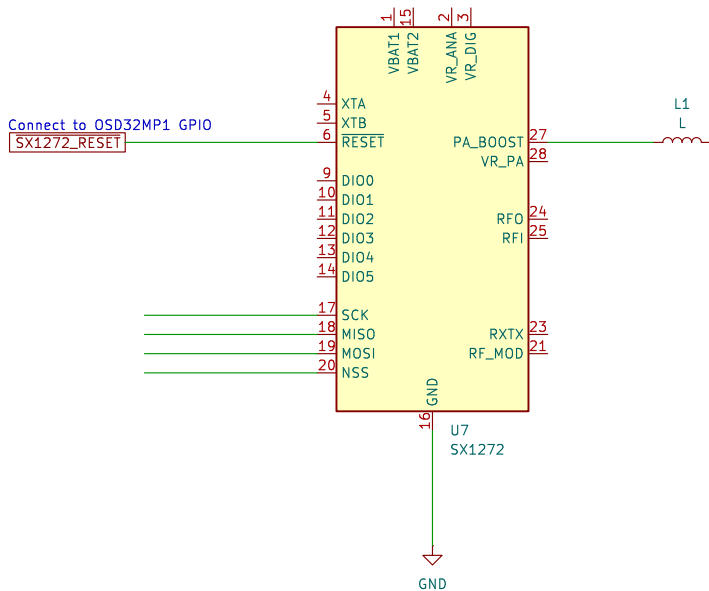
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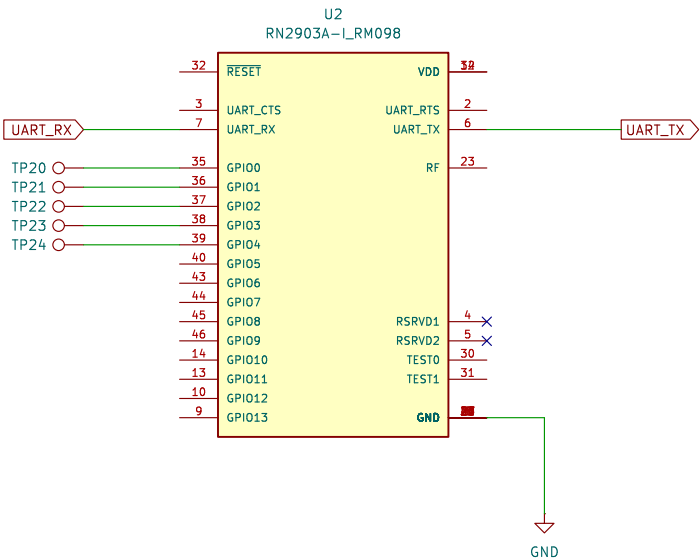
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Long range radio

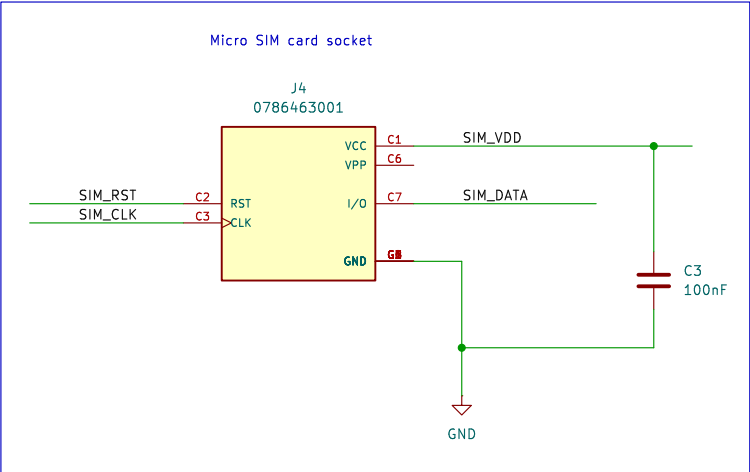
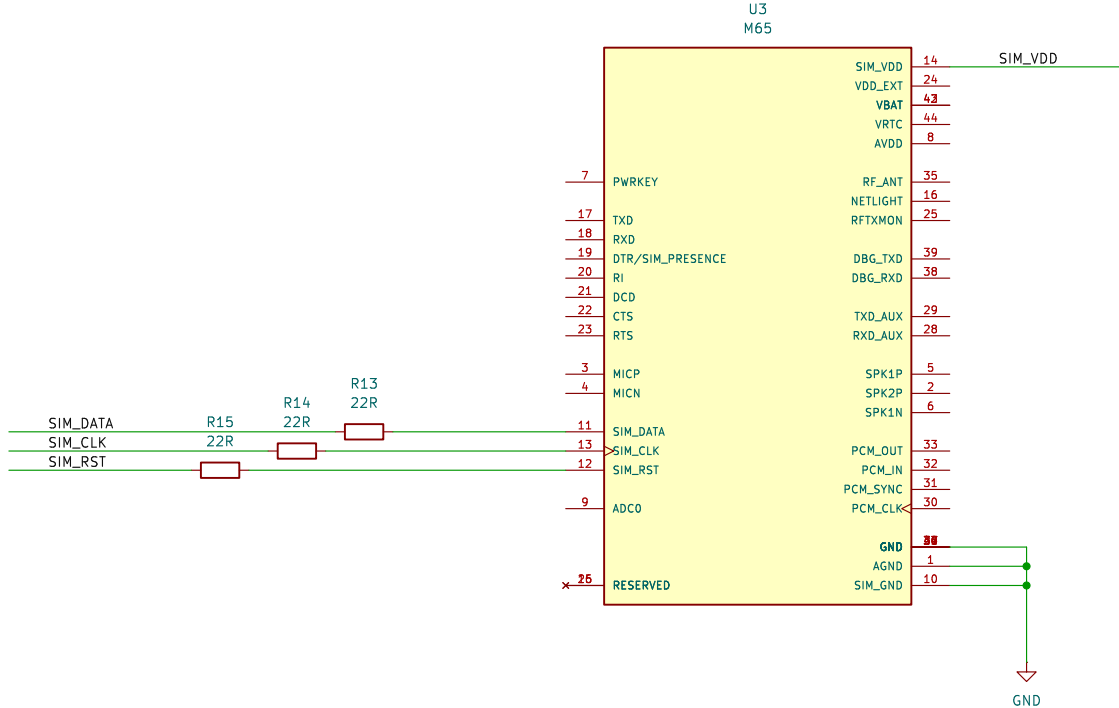
SX1272 LoRaWAN IC option



RN2903 LoRa module option



GSM/GPRS 2G Comms



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Size: A3

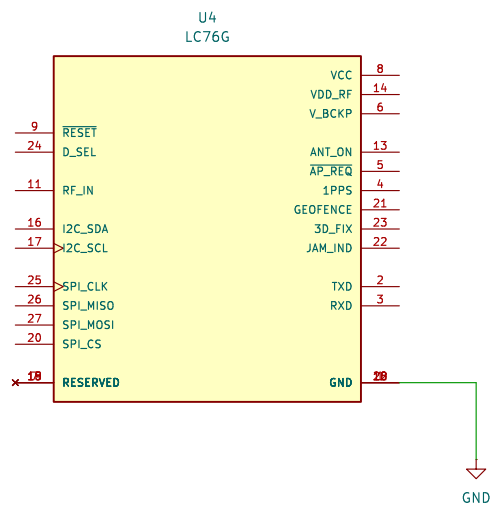
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Rev:

KiCad E.D.A. 8.0.8

Id: 9/12

GNSS

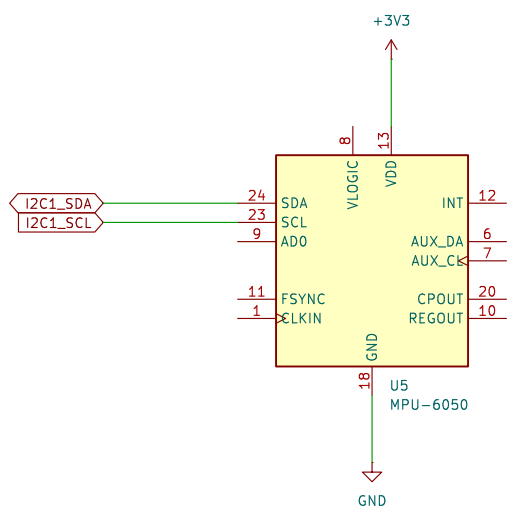


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KiCad E.D.A. 8.0.8	Id: 10/12	

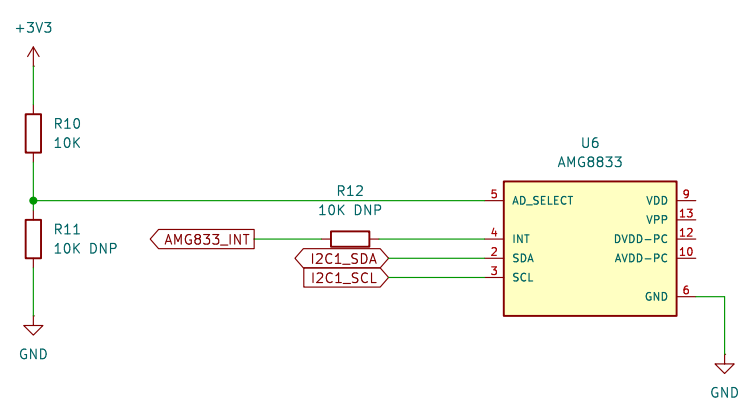
Sensors

センサー

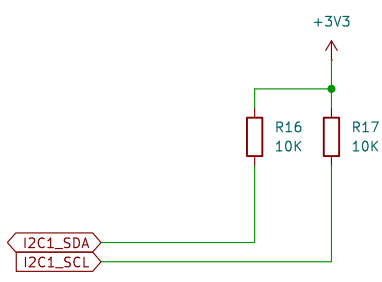
MPU-6050



AMG8833



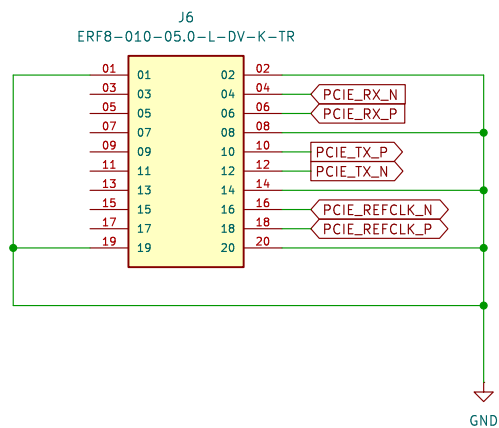
I2C1 Pull-up resistor



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



Used to expose PCIe interface on Google Coral

Google Coral Edge TPU

