Linux based scout UAV LinuxベースのスカウトUAV

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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

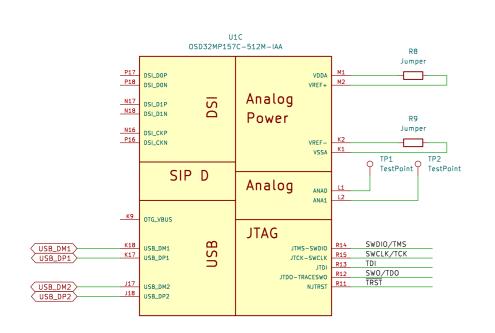
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quectel-m65-1

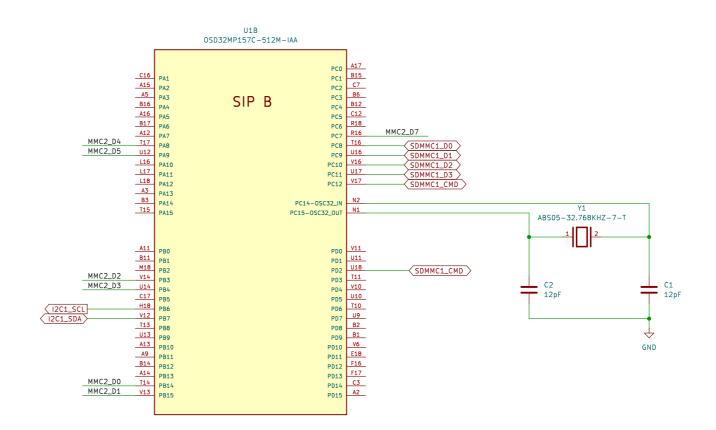
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GNSS

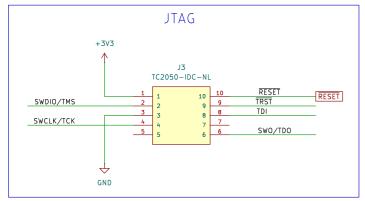
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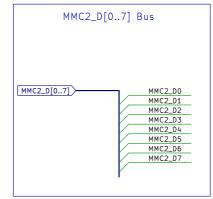
OSD32MP1 power +VIN +3V3 U1E OSD32MP157C-512M-IAA U1A OSD32MP157C-512M-IAA VSS_36 N11 VSS_37 E12 SIP E PMIC_VOUT4_2 VSS_38 F12 VSS_39 +BST VSS_6 VSS_41 Power Inputs PMIC_BSTOUT_1 VSS_8 VSS_43 Outputs K5 PMIC_BSTIN_1 +VSW VSS_45 H13 VSS_10 VSS_11 PMIC_BSTIN_2 M5 N5 VSS_46 L9 PMIC_BSTIN_3 PMIC_BSTIN_4 VSS_48 L13 P5 E6 VSS_13 PMIC SWOUT PMIC_SWOUT_2 VSS_50 N13 VSS_15 VSS_16 N6 VSS_51 VSS_52 F14 VSS_17 PMIC_SWIN_1 H9 PMIC_SWIN_2 VSS_18 VSS_53 to <u>v</u>: PMIC_VBUSOTG K8 VSS_20 VSS_55 NOTE: Can use pours pads instead of a VSS_22 VSS_57 F8 PMIC_LD025IN N8 P8 VSS_59 N14 VSS_24 VSS_25 VSS_60 VSS_26 VSS_27 +VLD02 VSS_61 VSS_62 E10 VSS_29 F10 VSS_30 VSS_64 SIP A N10 VSS_30 VSS_31 VSS_32 VSS_33 VSS_34 VSS_35 VSS_66 L15 VSS_67 VSS_68 VSS_69 J16 PMIC I DOS PONKEY PMIC_PONKEYN PMIC_LD06 VDDI RESET M3 Internal Use Only VDD_1 Connect VDD_3 Pull down to enable Together Can be used VDD 5 for boot config Internal Use Only GND to program EEPROM GND VDD_9 Together EEPROM_WP P4 EEPROM_WP User config and reset control Connect to VDD VRAT SIP F BYPASS_REG1V8 Config Power Rails SW1 SW_DIP_x04 R7 10K Do Not Use Test Point per S1 B3U-1000P signal RESET recommended TP11TestPoint O J2 HSE_OSC_TP OSD32MP157C-512M-IAA Processor Control GND TP15 TestPoint O K6
TP16 TestPoint O L6
TP17 TestPoint O L6
TP17 TestPoint O L6 Do Not Use Test Point per TP18 TestPoint O N4 signal recommended Sheet: /osd32mp1-1-power/ File: osd32mp1-1-power.kicad_sch Title: Size: A3 Date: KiCad E.D.A. 8.0.6

05D32MP1





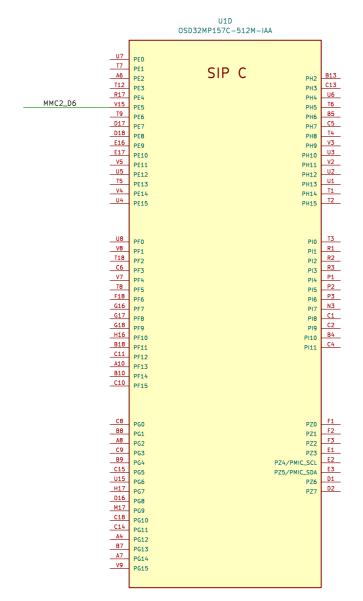


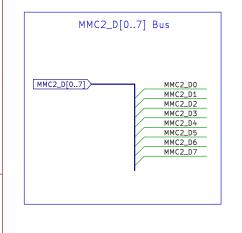




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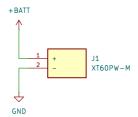
05D32MP1





Battery Power バッテリー電源

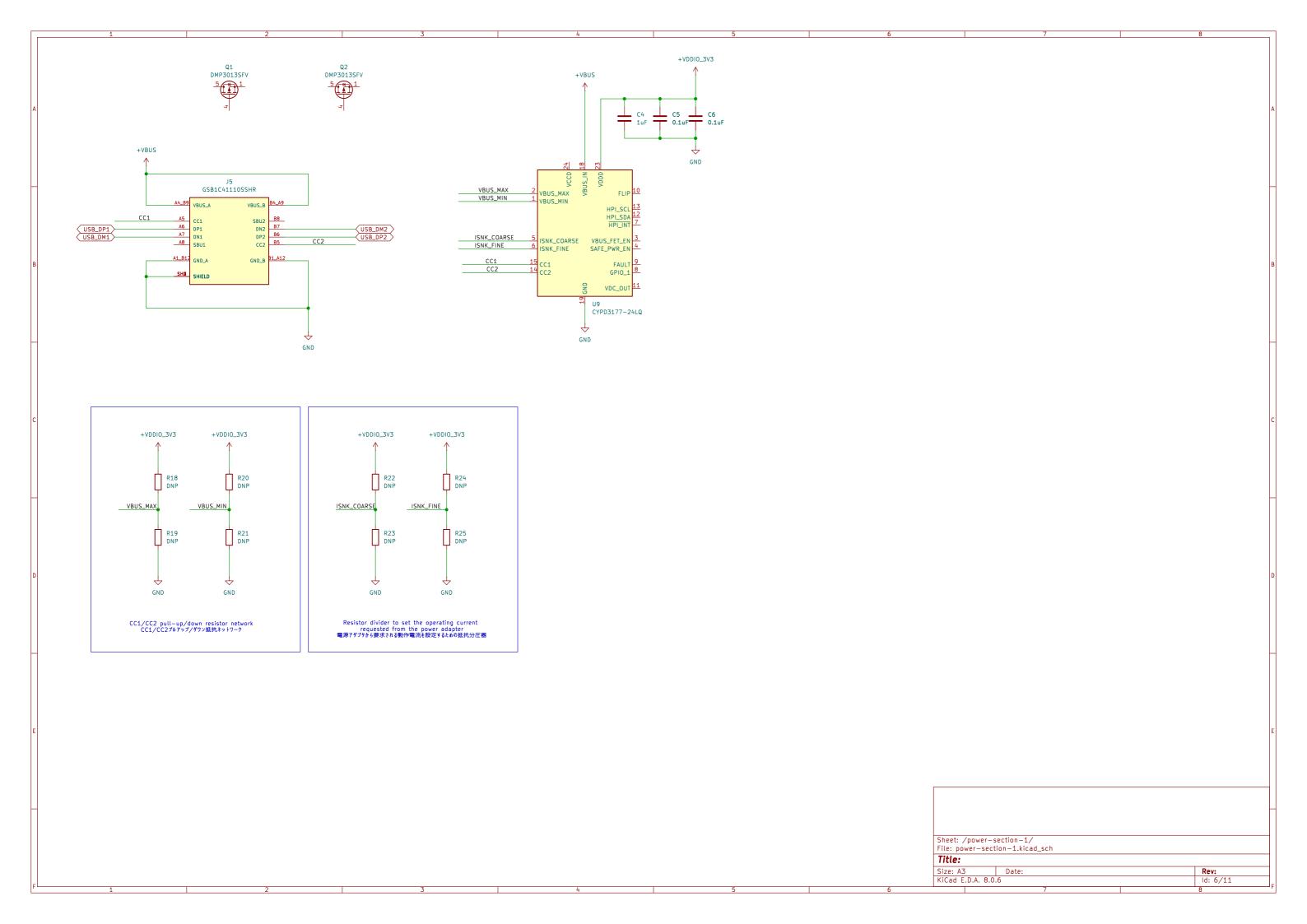
2S-6S LiPo battery



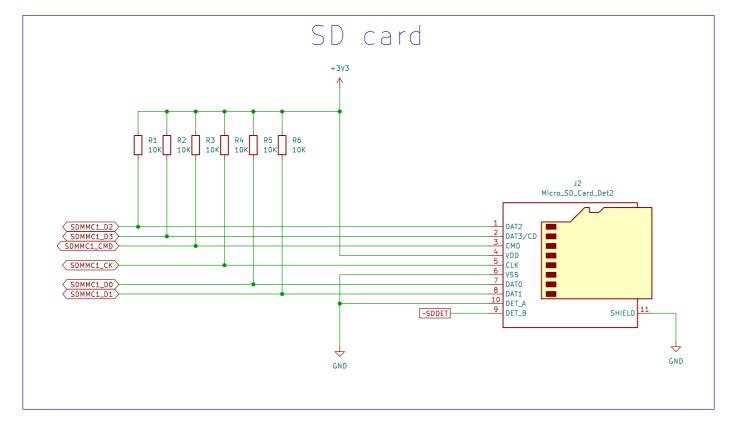


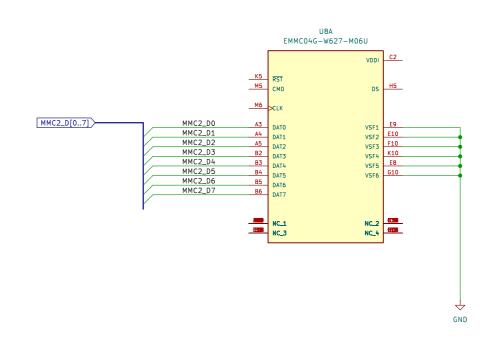
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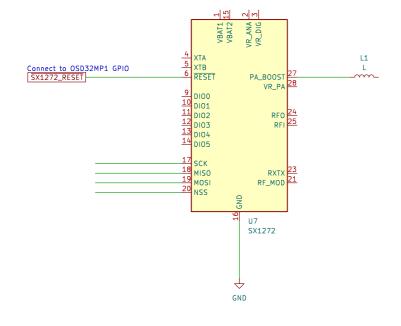
Storage



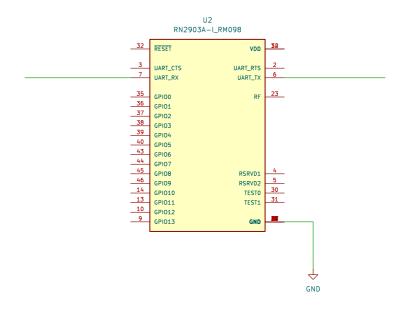


Long range radio

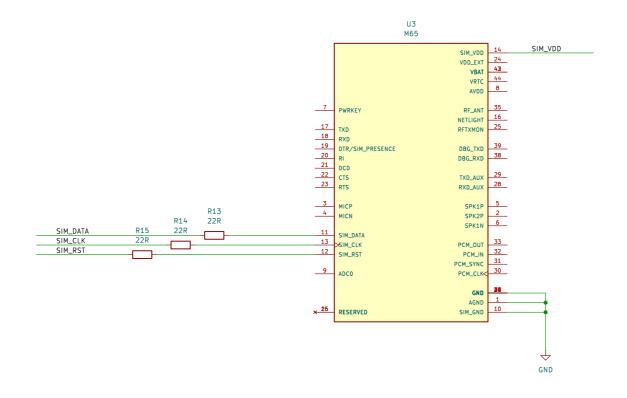
SX1272 LoRaWAN IC option

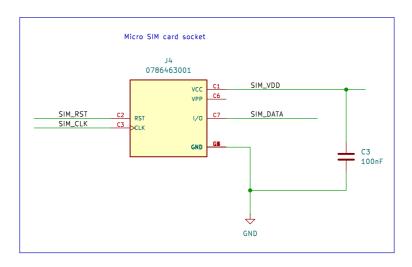


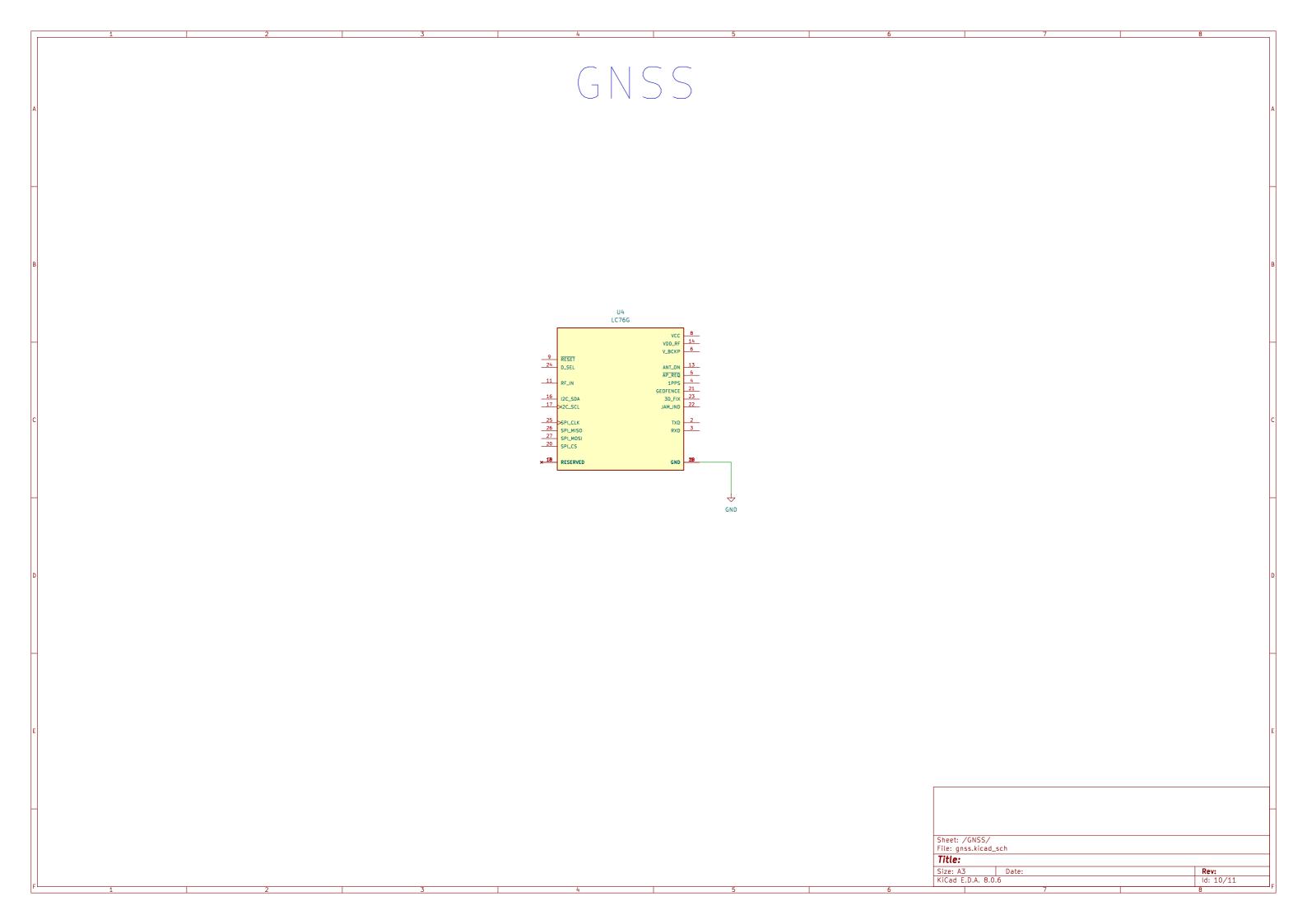
RN2903 LoRa module option



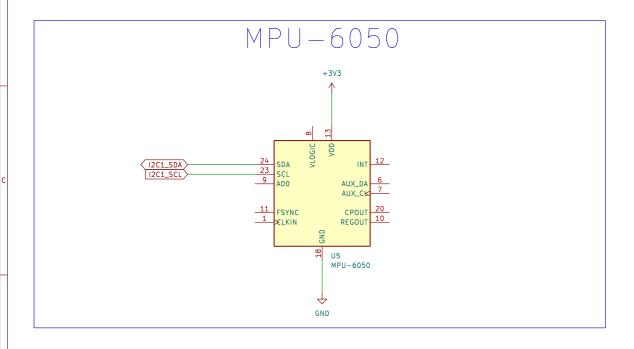
GSM/GPRS 2G Comms

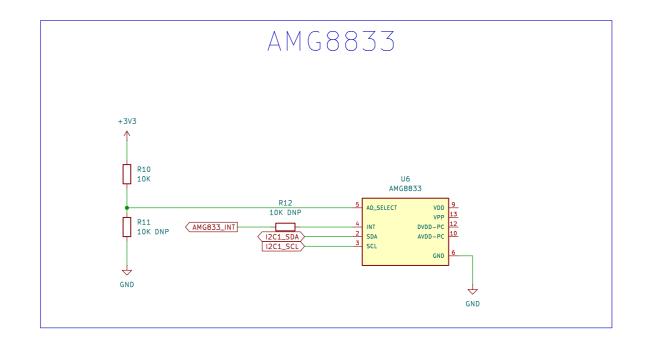


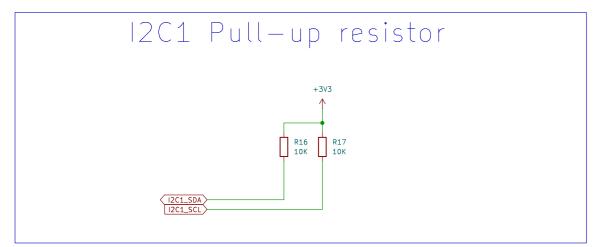




Sensors tyt-







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