

## Sheet: CONNECTORS

dshot_4	FMU_CH4
dshot_3	FMU_CH3
dshot_2	FMU_CH2
dshot_1	FMU_CH1
batt_current_sense	ESC_Current_Sense
TLM	ESC_TLM
VBAT	VBAT
VBAT comes in from ESC	
cts_telem_1	FMU_USART2_CTS
rts_telem_1	FMU_USART2_RTS
tx_telem_1	FMU_USART2_TX
rx_telem_1	FMU_USART2_RX
VDD_3V3_STM	VDD_3V3_STM
VDD_3V3_RADIO	VDD_3V3_RADIO
rss_i_in	RSSI_IN
FMU_USART8_TX	FMU_USART8_TX
FMU_USART8_RX	FMU_USART8_RX
FMU_UART7_RX	FMU_UART7_RX
FMU_UART7_TX	FMU_UART7_TX
SWCLK	SWCLK
SWDIO	SWDIO
VDD_5V_AUX	VDD_5V_AUX
FrSky_INV	FrSky_INV
VDD_5V_RADIO	VDD_5V_RADIO
FMU_RC_OUTPUT	RC_OUTPUT_USART1_TX
FMU_RC_INPUT	RC_INPUT_USART1_RX
SBUS_INV	SBUS_INV
SERVO_CH_1	SERVO_CH1_GPIO
SERVO_CH_2	SERVO_CH2_GPIO

File: connectors.sch

## Sheet: Power

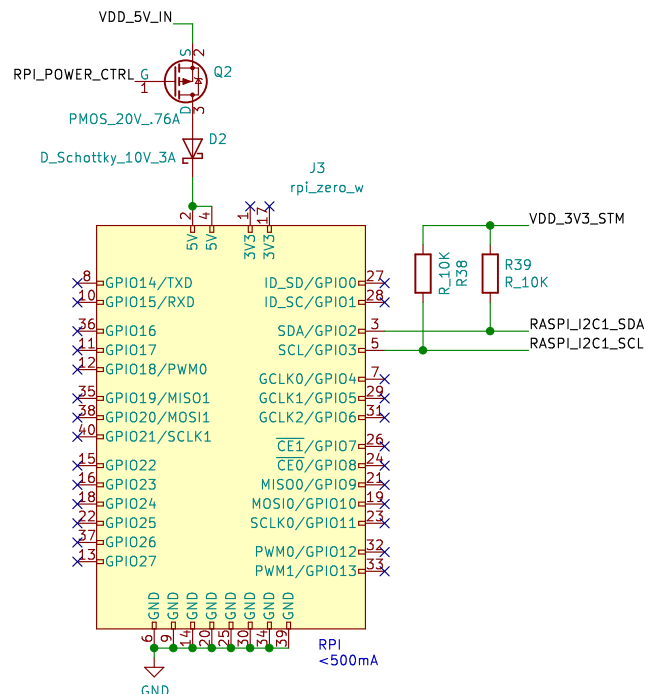
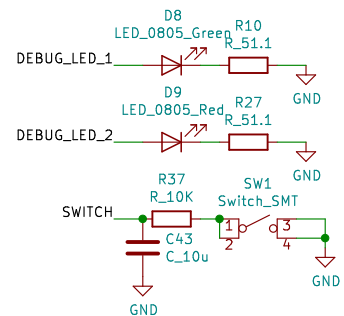
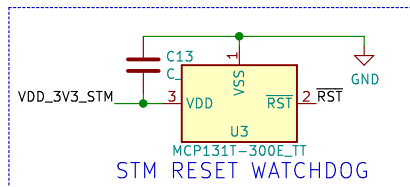
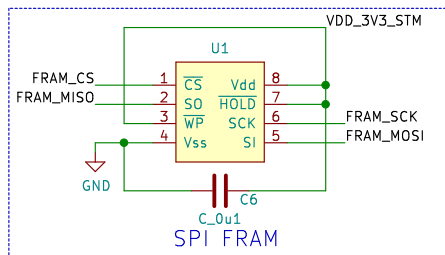
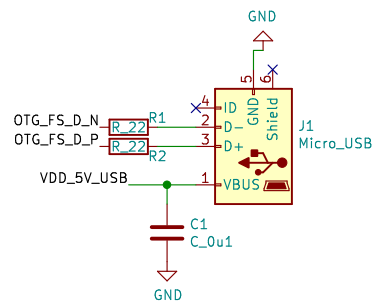
VBAT	VBAT
VDD_5V_USB	VDD_5V_USB
VDD_5V_AUX	VDD_5V_AUX
VDD_5V_IN	VDD_5V_IN
VDD_5V_RADIO	VDD_5V_RADIO
VDD_3V3_RADIO	VDD_3V3_RADIO
VDD_3V3_SENSORS	VDD_3V3_SENSORS
VDD_3V3_STM	VDD_3V3_STM
VBAT_SENSE	VBAT_SENSE
VDD_5V_SENSE	VDD_5V_SENSE
VDD_BUCK_VALID	VDD_BUCK_VALID
VDD_USB_VALID	VDD_USB_VALID
VDD_3V3_RADIO_EN	VDD_3V3_RADIO_EN
VDD_3V3_SENSORS_EN	VDD_3V3_SENSORS_EN

File: power.sch

## Sheet: Sensors

SENSOR_SCK	IMU_SCK
SENSOR_MISO	IMU_MISO
IMU_ACCEL_CS	IMU_MISO
IMU_GYRO_CS	CSB_ACCEL
ACCEL_DRDY	CSB_GYRO
GYRO_DRDY	IMU_INT1_ACCEL
	INT3_GYRO
SENSOR_MISO	MAG_SDO_SA1
MAG_DRDY	MAG_DRDY
MAG_CS	MAG_CS
SENSOR_MOSI	MAG_SDA_SDI_SDO
SENSOR_SCK	MAG_SCL
BARO_CS	BARO_CS
SENSOR_MISO	BARO_MISO
SENSOR_MOSI	BARO_MOSI
SENSOR_SCK	BARO_SCK
VDD_3V3_SENSORS	VDD_3V3_SENSORS
GPS_USART6_TX	GPS_UART_TX
GPS_USART6_RX	GPS_UART_RX

File: sensors.sch



BATTERY = VBAT  
BUCK CONVERTER OUTPUT (VDD\_5V\_BRICK) = VDD\_5V\_BUCK  
USB POWER (VBUS) = VDD\_5V\_USB  
RADIO 5V (VDD\_5V\_RECEIVER) = VDD\_5V\_RADIO  
GENERAL 5V (VDD\_5V\_IN) = VDD\_5V\_IN  
TELEM/FRSKY (VDD\_5V\_PERIPH) = VDD\_5V\_AUX  
STM POWER (FMU\_VDD\_3V3) = VDD\_3V3\_STM  
SENSORS POWER (VDD\_3V3\_SENSORS) = VDD\_3V3\_SENSORS  
RADIO POWER (VDD\_3V3\_SPEKTRUM) = VDD\_3V3\_RADIO

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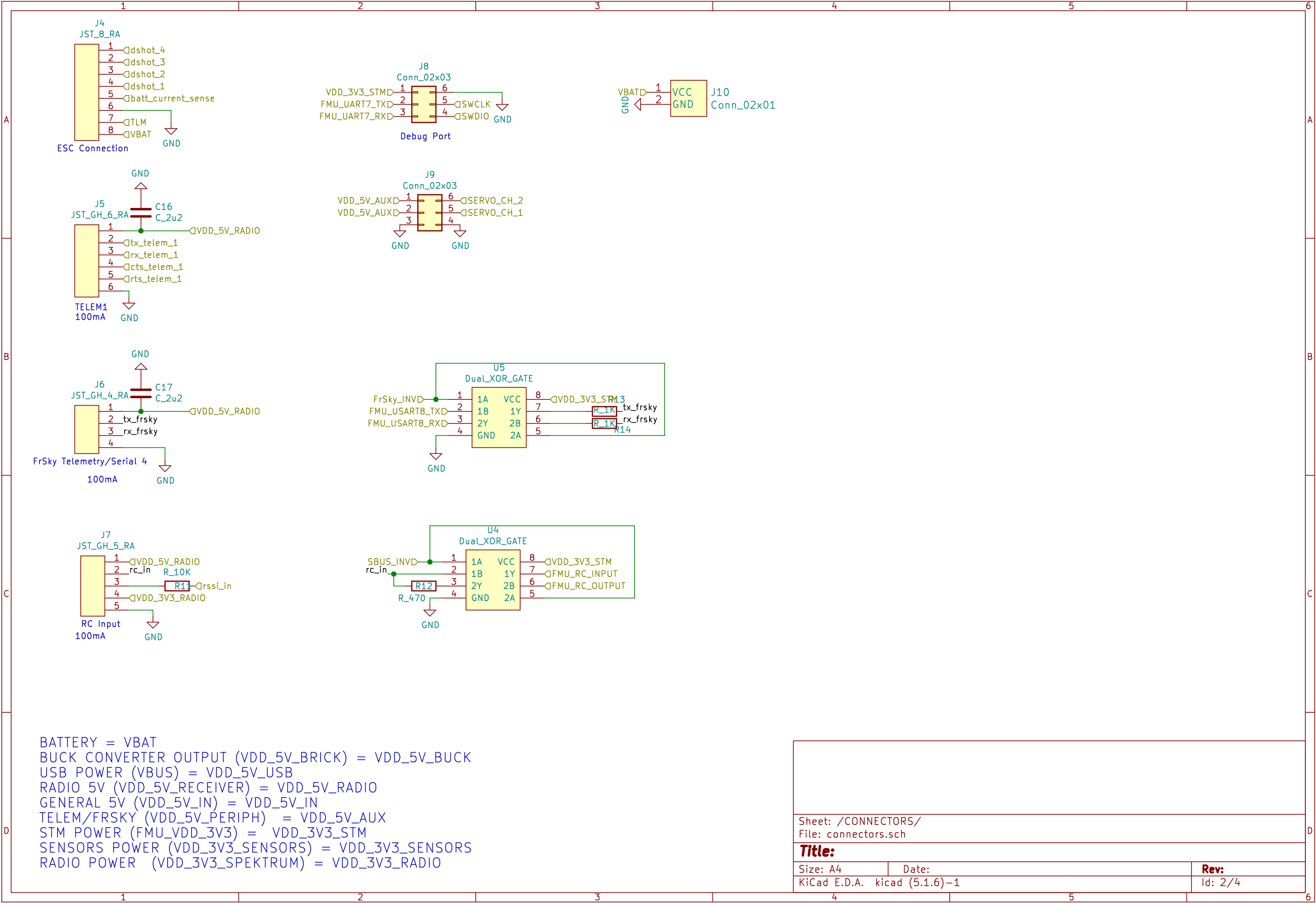
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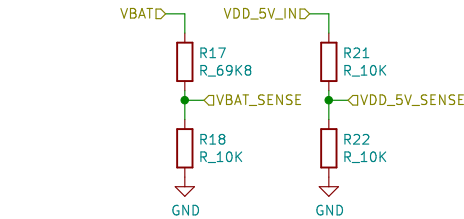
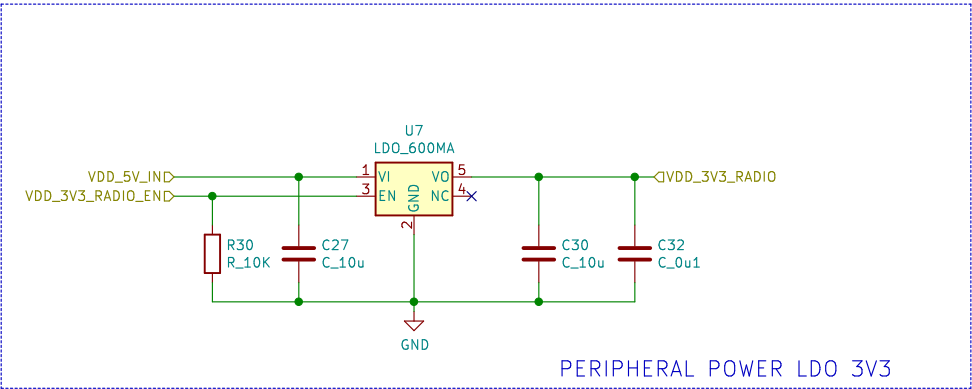
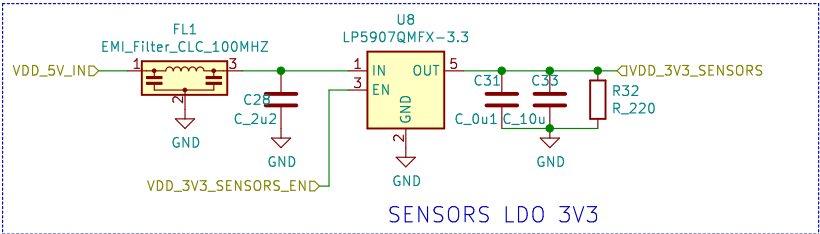
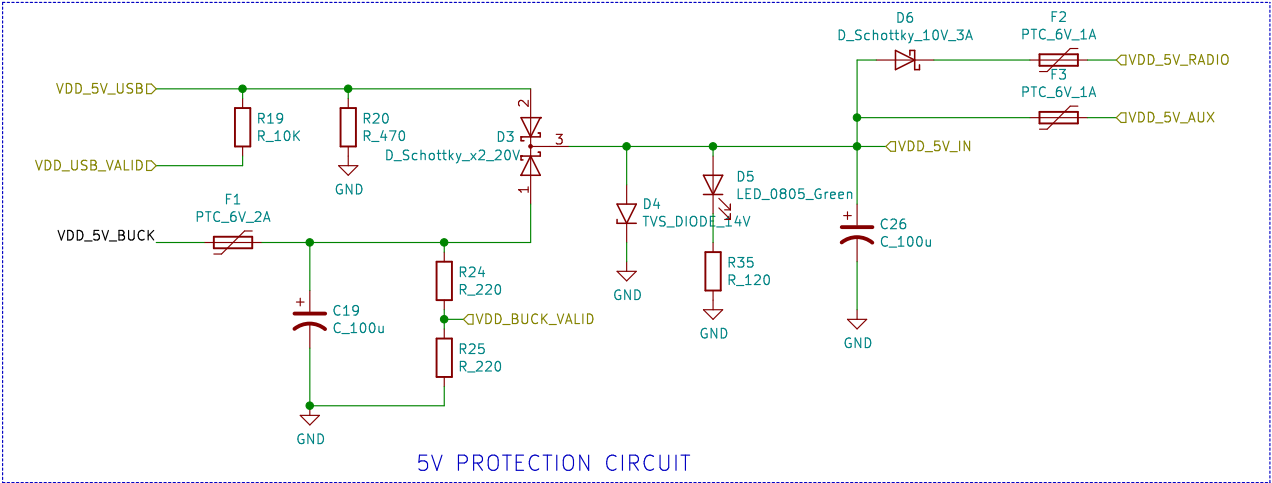
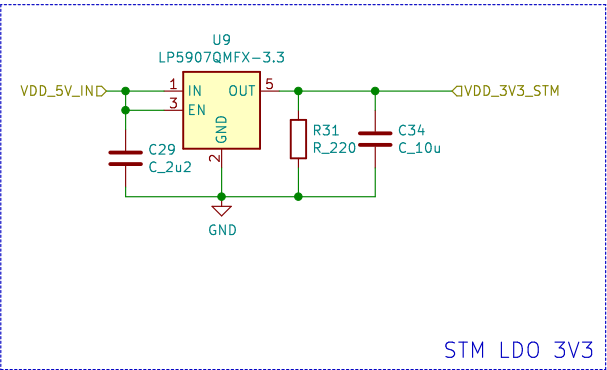
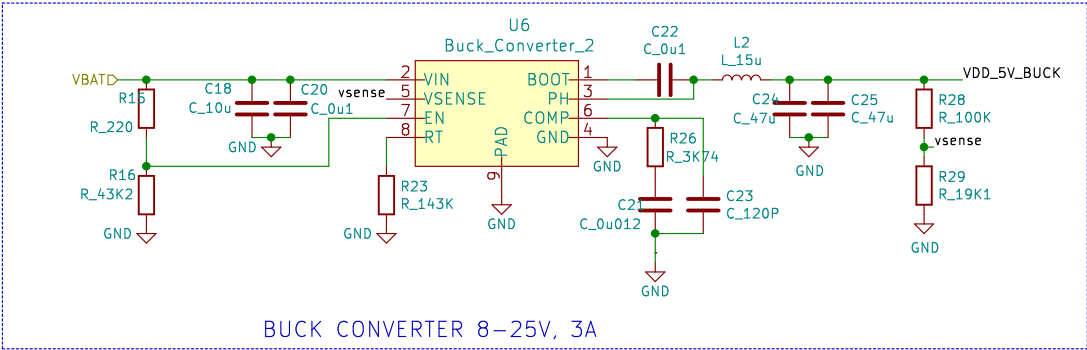
Date:

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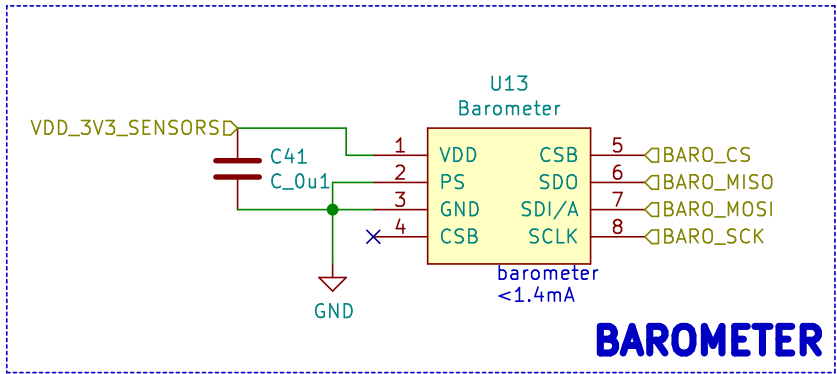
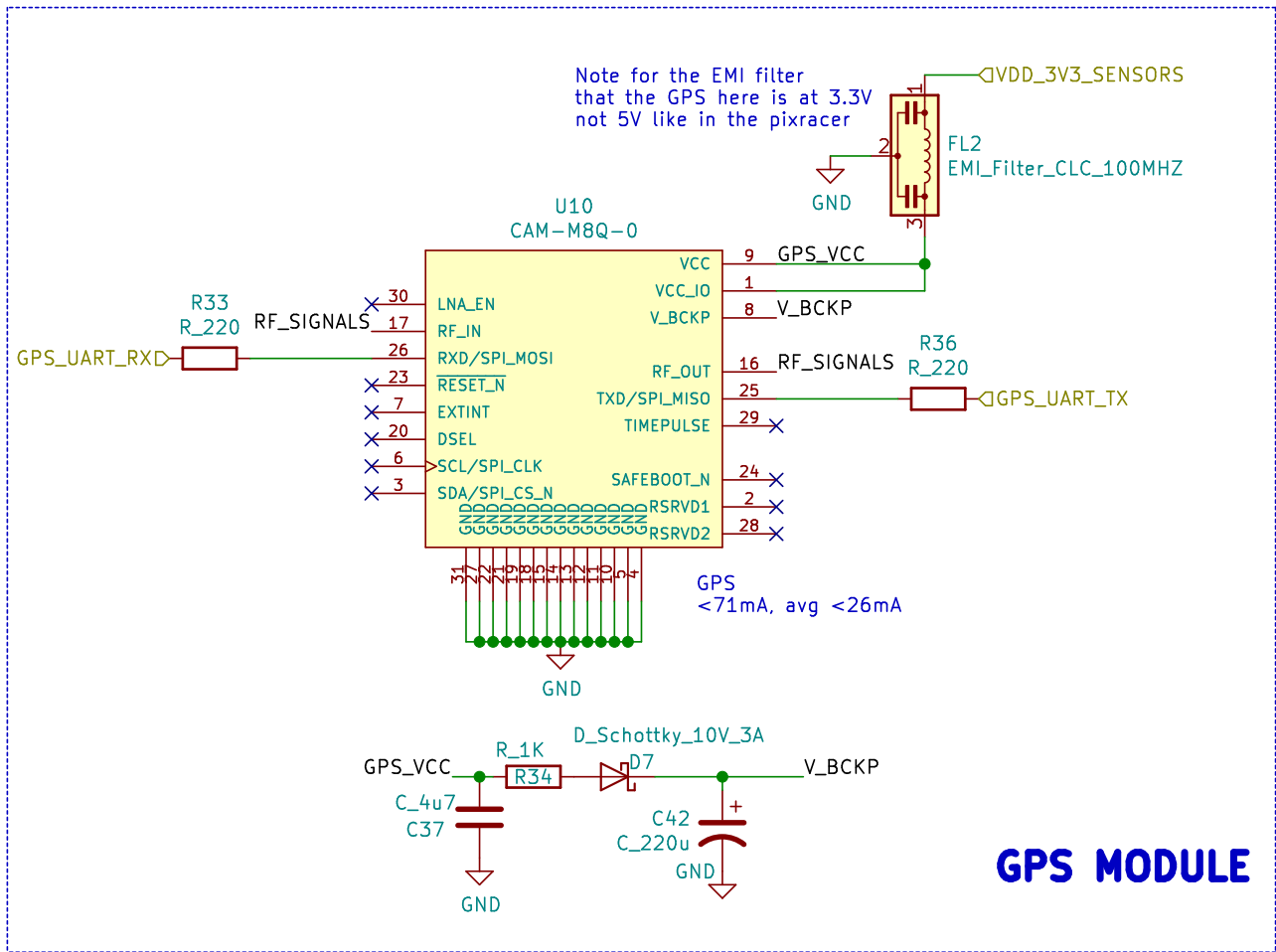
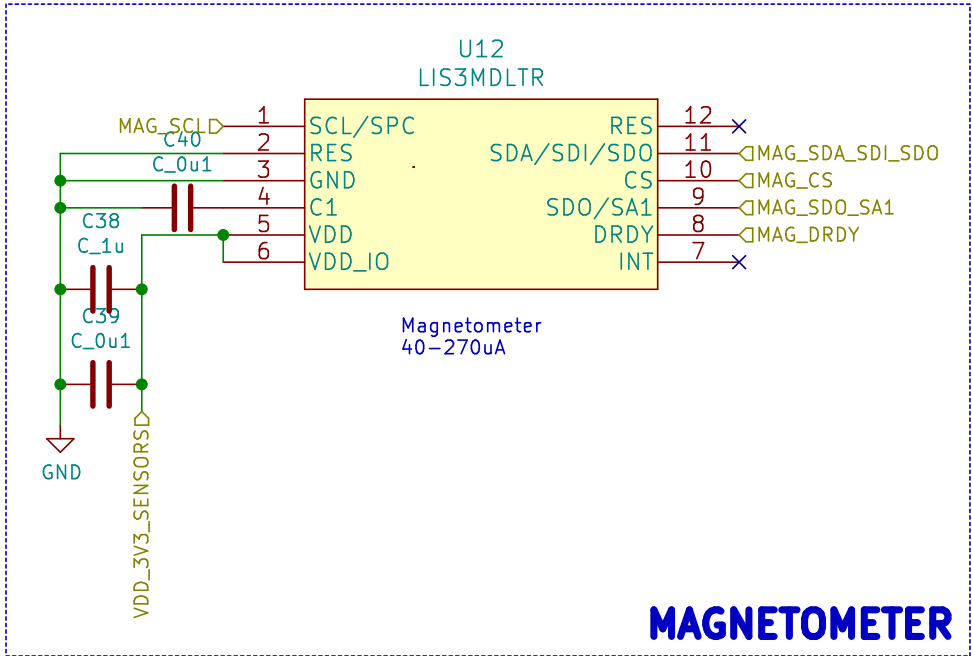
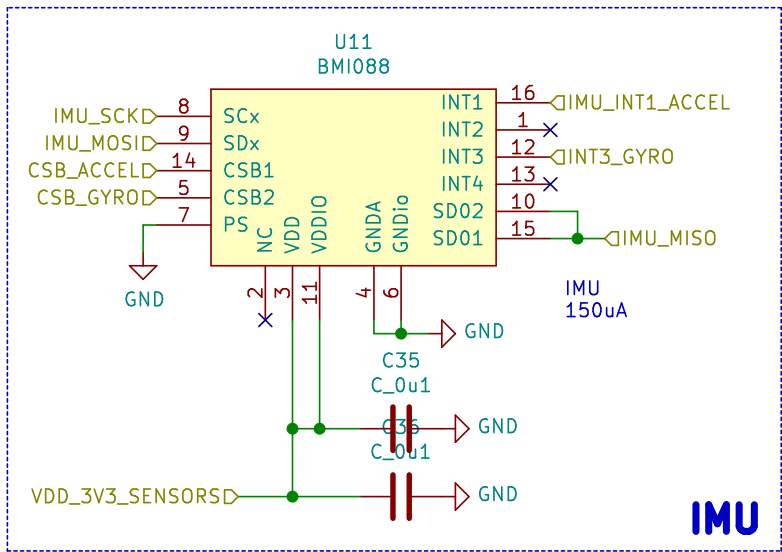
Rev:

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BATTERY = VBAT  
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STM POWER (FMU\_VDD\_3V3) = VDD\_3V3\_STM  
SENSORS POWER (VDD\_3V3\_SENSORS) = VDD\_3V3\_SENSORS  
RADIO POWER (VDD\_3V3\_SPEKTRUM) = VDD\_3V3\_RADIO



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