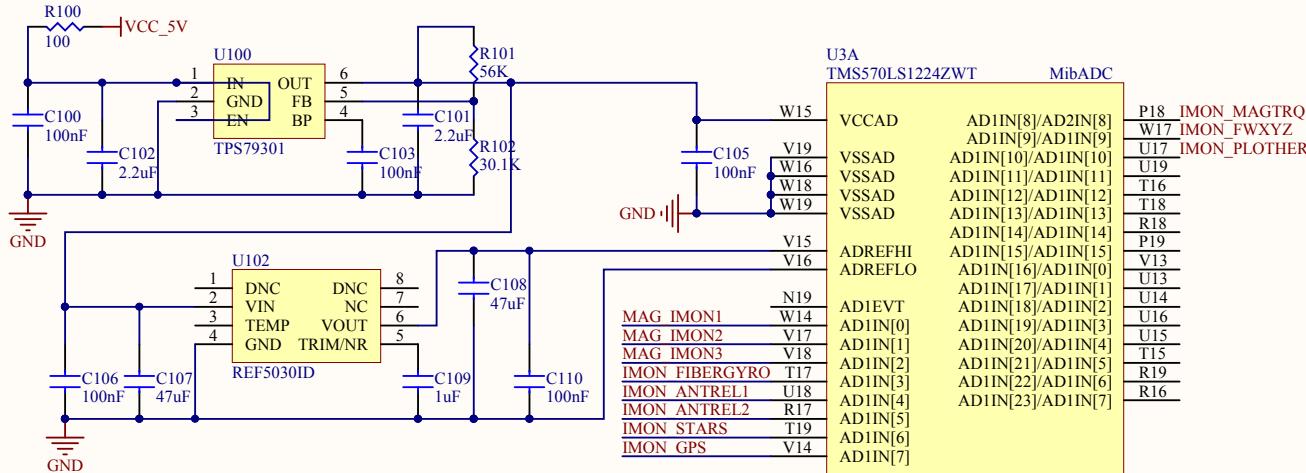
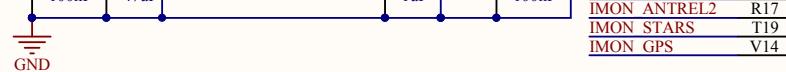


A



79301 FB_DIV set output voltage to 3.5V

B



C

IMON_PLOther

TO PWRCTRL_PL

IMON_FIBERGYRO IMON_MAGTRQ
 IMON_ANTREL1 IMON_FWXYZ
 IMON_ANTREL2
 IMON_STARS
 IMON_GPS

MAG_IMON1
 MAG_IMON2
 MAG_IMON3

TO PWRCTRL

TO PERI

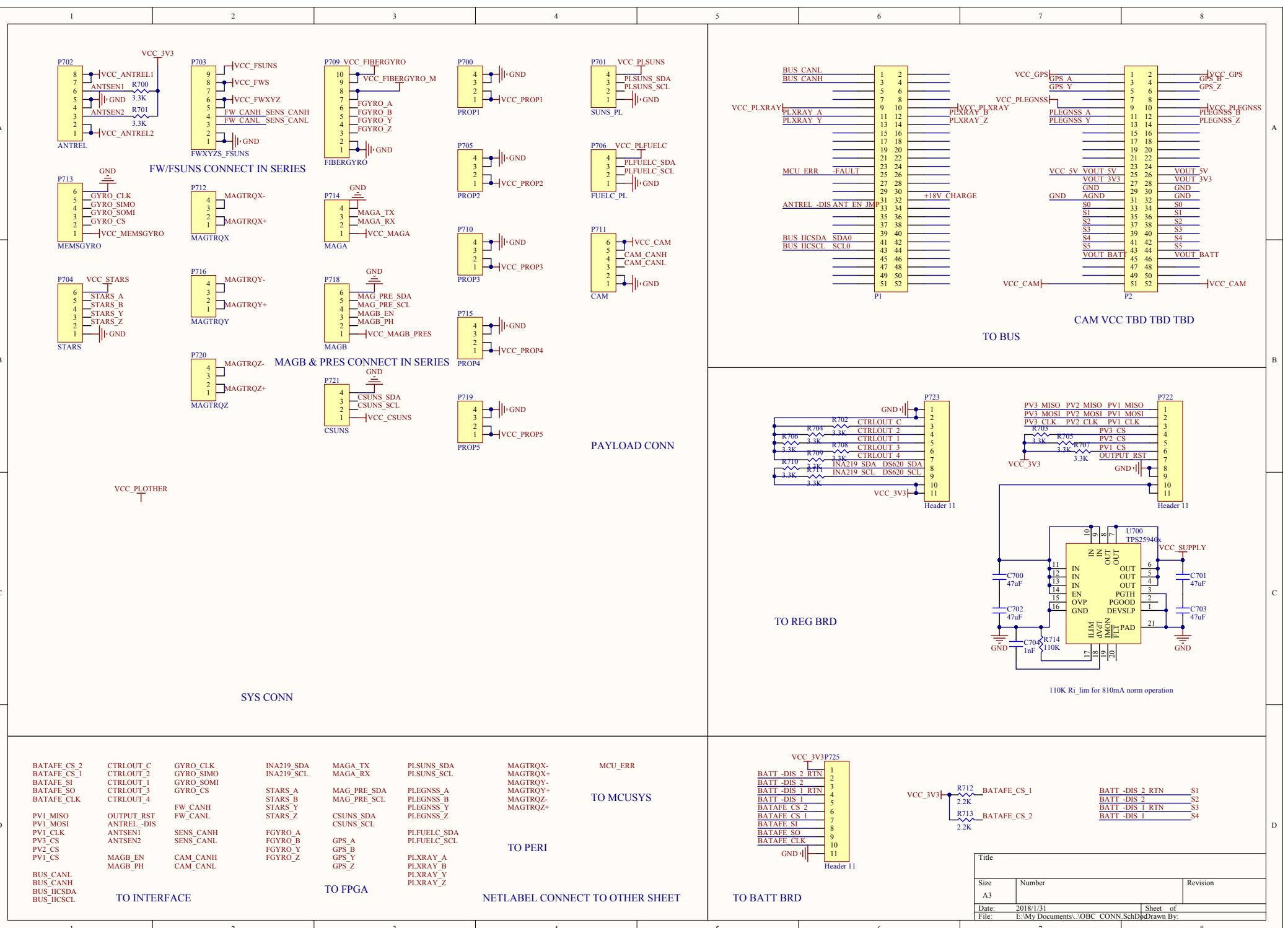
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A

B

C

D



A

A

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B



FLT_PLUNS
FLT_PLEGNSS
FLT_PLFUEL
FLT_PLXRAY

BL PL TO INTERFACE

| | |
|-----------|-----------|
| FLT_MGYRO | FLT_PROP2 |
| FLT_FSUNS | FLT_PROP3 |
| FLT_MAGA | FLT_PROP4 |
| FLT_CSUNS | FLT_PROP5 |

INA219_SDA MAGA_TX PLSUNS_SDA
INA219_SCL MAGA_RX PLSUNS_SCL

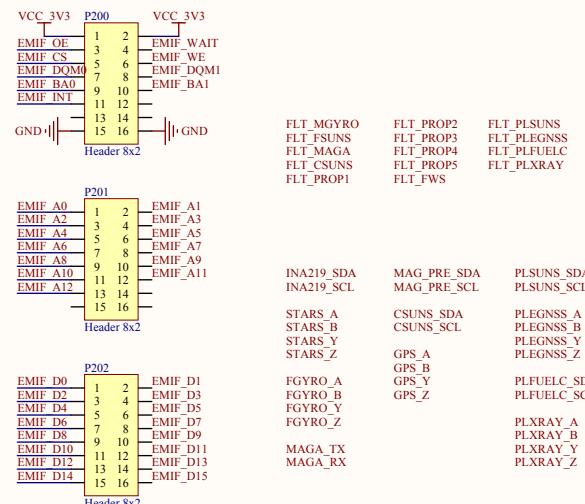
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|---------|-------------|-----------|
| STARS_A | MAG_PRE_SDA | PLEGNSS_A |
| STARS_B | MAG_PRE_SCL | PLEGNSS_B |
| STARS_Y | | PLEGNSS_Y |
| STARS_Z | CSUNS_SDA | PLEGNSS_Z |
| | CSUNS_SCL | |

| | | |
|----------------|--------------|---------------------|
| FGYRO_B | GPS_A | PLFUEL_C_SCL |
| FGYRO_Y | GPS_B | |
| FGYRO_Z | GPS_Y | PLXRAY_A |
| | GPS_Z | PLXRAY_B |
| | | PLXRAY_Y |
| | | PLXRAY_Z |

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| TMS570LS1224ZWT | | EMIF | | | | | | | | | | | |
|-----------------|--------------|---------------|------------|----------|---------|--|--|--|--|--|--|--|--|
| L3 | EMIF_CKE | EMIF_ADDR[0] | N2HET2[1] | D4 | EMIF_A0 | | | | | | | | |
| K3 | EMIF_CLK | EMIF_ADDR[1] | N2HET2[3] | D5 | EMIF_A1 | | | | | | | | |
| R4 | EMIF_nCAS | EMIF_ADDR[2] | E6 | EMIF_A2 | | | | | | | | | |
| R3 | EMIF_nRAS | EMIF_ADDR[3] | E7 | EMIF_A3 | | | | | | | | | |
| J17 | EMIF_ncS[0] | EMIF_ADDR[4] | E8 | EMIF_A4 | | | | | | | | | |
| | N2HET2[7] | EMIF_ADDR[5] | E9 | EMIF_A5 | | | | | | | | | |
| | | EMIF_ADDR[6] | C4 | EMIF_A6 | | | | | | | | | |
| P3 | EMIF_nOE | EMIF_ADDR[7] | N2HET2[11] | C5 | EMIF_A7 | | | | | | | | |
| | EMIF_nVAIT | EMIF_ADDR[7] | N2HET2[13] | C6 | EMIF_A8 | | | | | | | | |
| J17 | EMIF_ncCS[2] | EMIF_ADDR[8] | N2HET2[15] | C7 | EMIF_A9 | | | | | | | | |
| | N2HET2[9] | EMIF_ADDR[9] | E10 | EMIF_A10 | | | | | | | | | |
| J17 | EMIF_ncS[3] | EMIF_ADDR[10] | C9 | EMIF_A11 | | | | | | | | | |
| | N2HET2[11] | EMIF_ADDR[11] | C10 | EMIF_A12 | | | | | | | | | |
| | | EMIF_ADDR[12] | | | | | | | | | | | |
| | EMIF_nWE | | | | | | | | | | | | |
| E10 | EMIF_nDQM[0] | EMIF_DATA[0] | K15 | EMIF_D0 | | | | | | | | | |
| E11 | EMIF_nDQM[1] | EMIF_DATA[1] | L15 | EMIF_D1 | | | | | | | | | |
| | | EMIF_DATA[2] | M15 | EMIF_D2 | | | | | | | | | |
| E13 | EMIF_BA[0] | EMIF_DATA[3] | N15 | EMIF_D3 | | | | | | | | | |
| E16 | EMIF_BA[1] | EMIF_DATA[4] | E5 | EMIF_D4 | | | | | | | | | |
| | N2HET2[5] | EMIF_DATA[5] | F5 | EMIF_D5 | | | | | | | | | |
| | | EMIF_DATA[6] | G5 | EMIF_D6 | | | | | | | | | |
| | | EMIF_DATA[7] | K5 | EMIF_D7 | | | | | | | | | |
| | | EMIF_DATA[8] | L5 | EMIF_D8 | | | | | | | | | |
| | | EMIF_DATA[9] | M5 | EMIF_D9 | | | | | | | | | |
| | | EMIF_DATA[10] | N5 | EMIF_D10 | | | | | | | | | |
| | | EMIF_DATA[11] | E11 | EMIF_D11 | | | | | | | | | |
| | | EMIF_DATA[12] | R5 | EMIF_D12 | | | | | | | | | |
| | | EMIF_DATA[13] | R6 | EMIF_D13 | | | | | | | | | |
| | | EMIF_DATA[14] | R7 | EMIF_D14 | | | | | | | | | |
| | | EMIF_DATA[15] | R8 | EMIF_D15 | | | | | | | | | |



OBCMON_SC
OBCMON_SD

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3

3

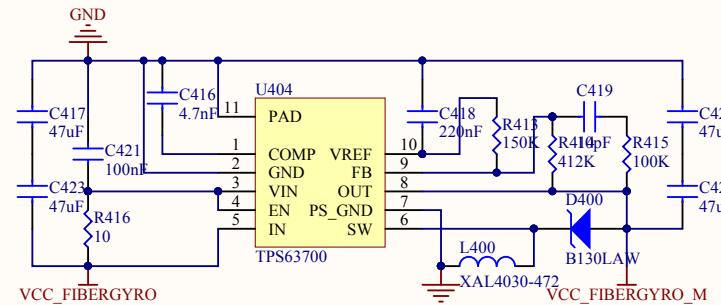
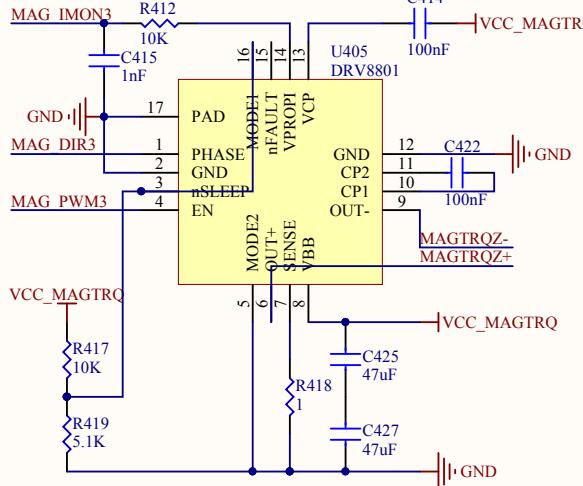
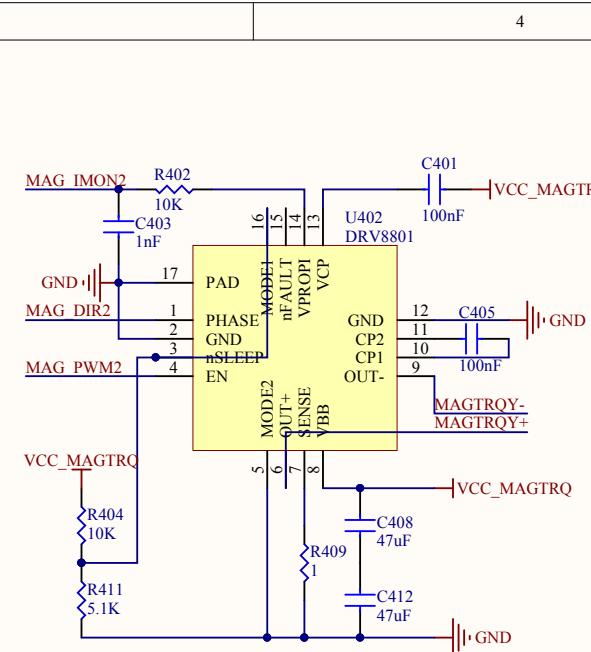
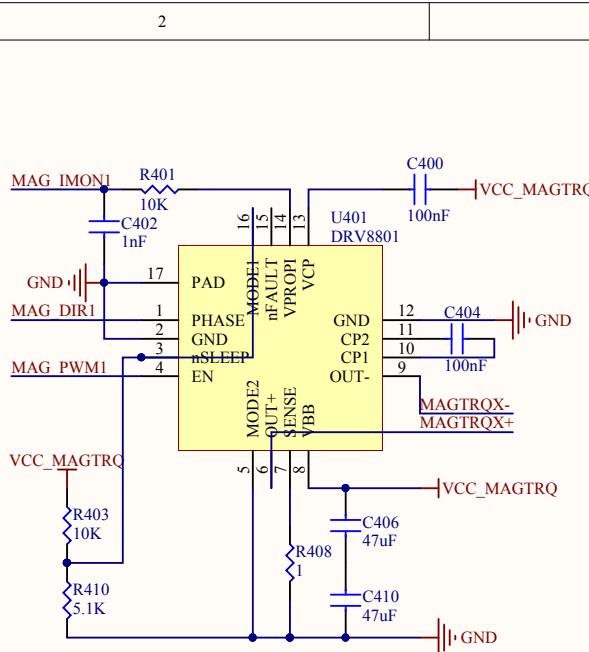
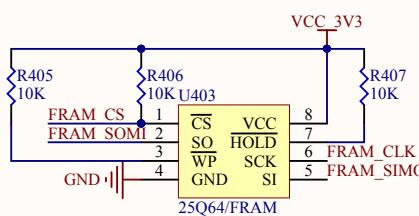
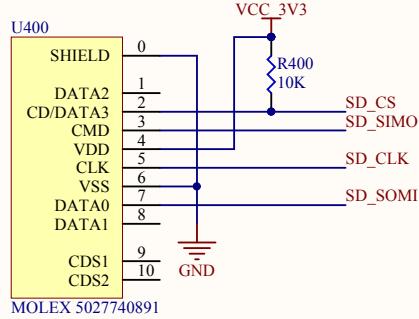
4

1

6

8

8



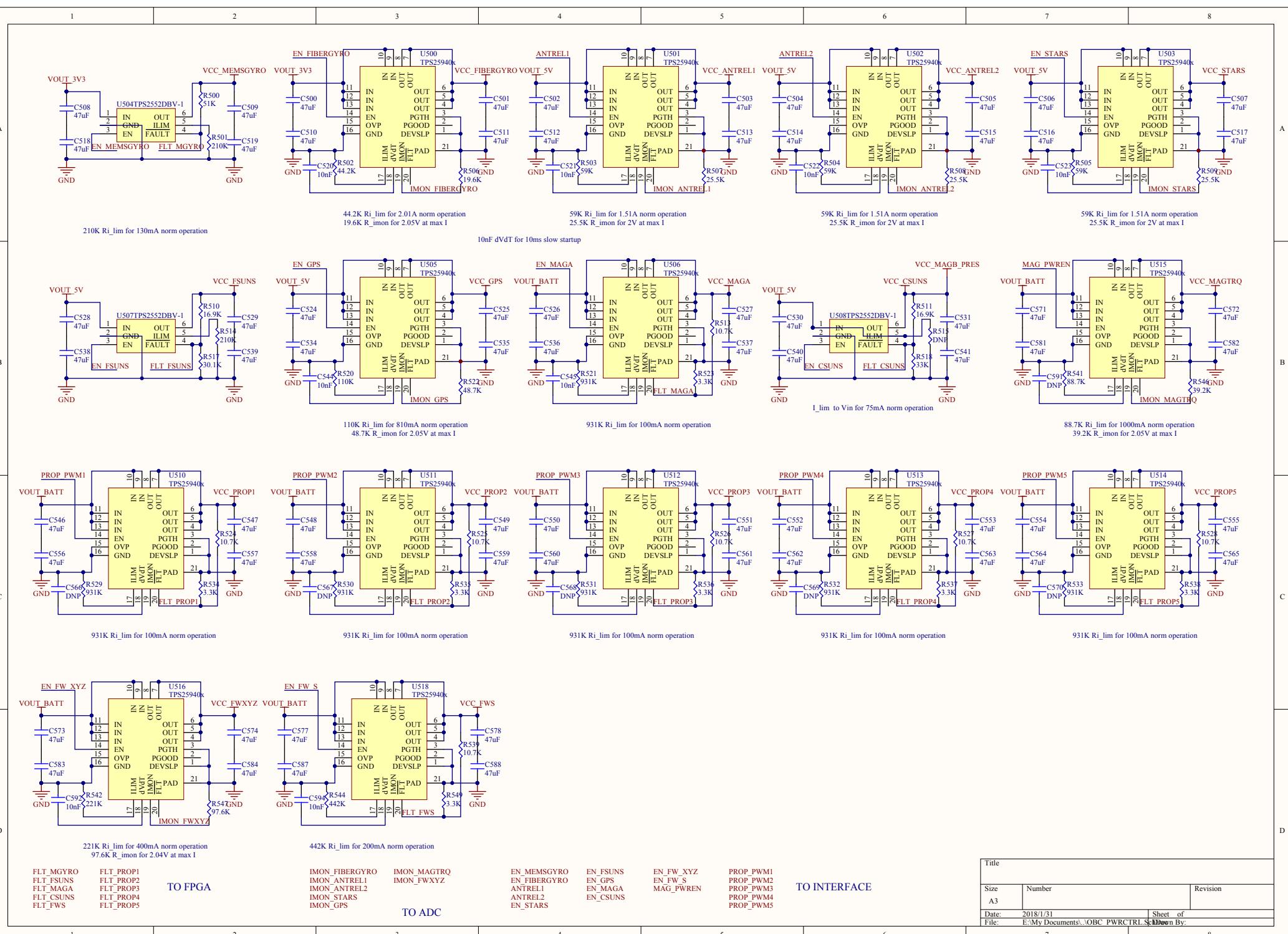
FIBER GYRO NEGATIVE VCC

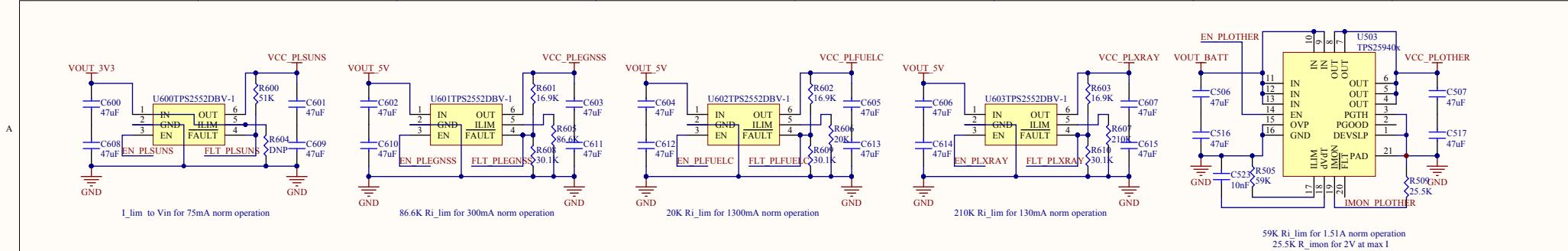
C

MAG_IMON1
MAG_IMON2
MAG_IMON3
TO ADC
MAGTRQX-
MAGTRQX+
MAGTRQY-
MAGTRQY+
MAGTRQZ-
MAGTRQZ+
TO CONN
MAG_PWM1
MAG_PWM2
MAG_PWM3
MAG_DIR1
MAG_DIR2
MAG_DIR3
SD_CLK
SD_SOMI
SD_SIMO
SD_CS
FRAM_CLK
FRAM_SIMO
FRAM_SIMO
FRAM_CS

TO INTERFACE

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FLT_PLSUNS
FLT_PLEGNSS
FLT_PLFUEL
FLT_PLXRAY

TO FPGA

IMON_PLOTHER

TO ADC

EN_PLSUNS
EN_PLEGNSS
EN_PLFUEL
EN_PLXRAY
EN_PLOTHER

TO INTERFACE

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