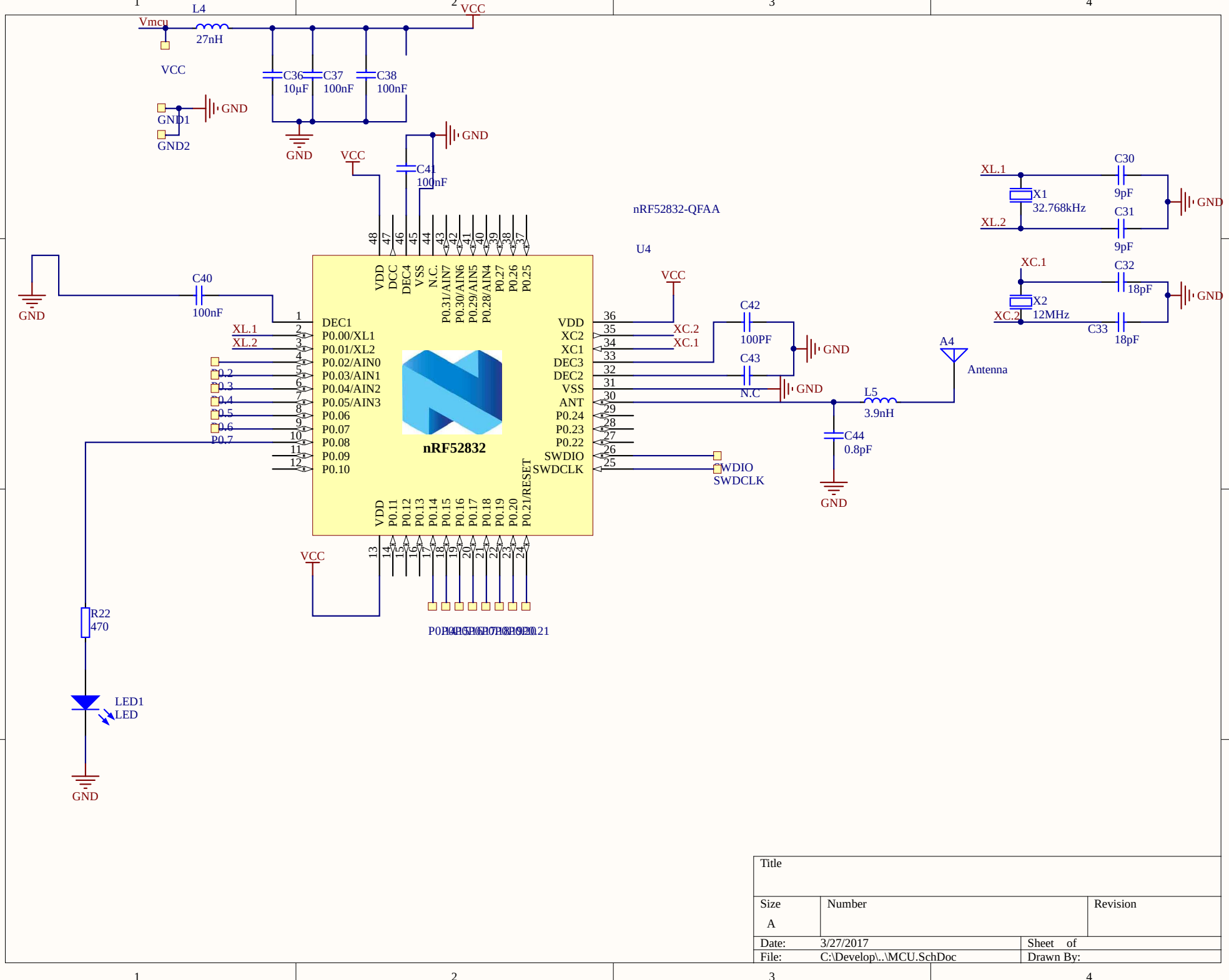

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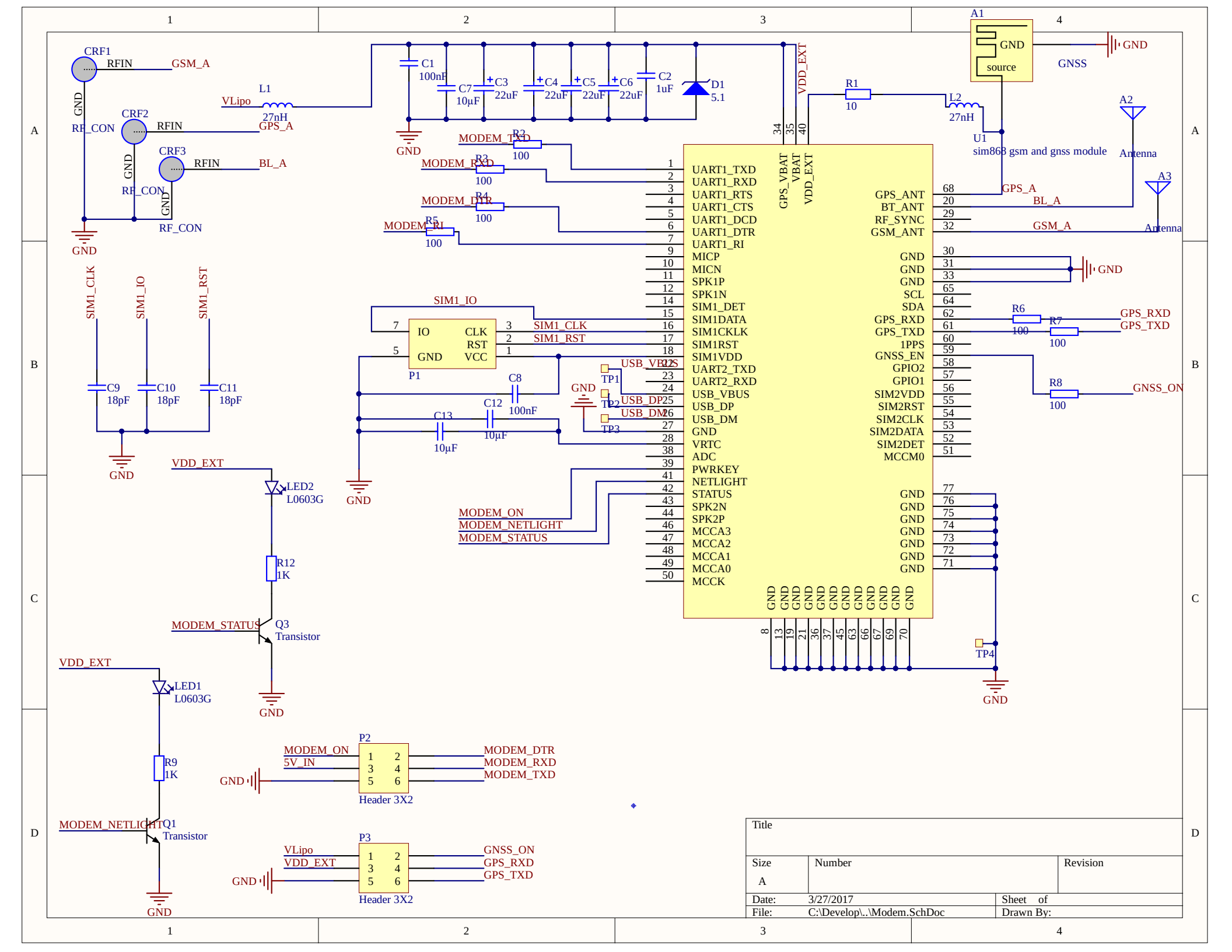
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GSM_A
GND
RF_CON
CRF2
RFIN
GPS_A
GND
RF_CON
CRF3
RFIN
BL_A
GND
RF_CON
RF_CON
GND
VLipo
L1
27nH
C1
100nF
C7
10µF
C3
22uF
C4
22uF
C5
22uF
C6
22uF
C2
1uF
D1
5.1
VDD_EXT
R1
10
L2
27nH
A1
GND
source
GND
GNSS
A2
Antenna
A3
Antenna
U1
sim868 gsm and gnss module
MODEM_TXD
MODEM_RXD
MODEM_DTR
MODEM_RI
R2
100
R3
100
R4
100
R5
100
UART1_TXD
UART1_RXD
UART1_RTS
UART1_CTS
UART1_DCD
UART1_DTR
UART1_RI
MICP
MICN
SPK1P
SPK1N
SIM1_DET
SIM1DATA
SIM1CKLK
SIM1RST
SIM1VDD
UART2_TXD
UART2_RXD
USB_VBUS
USB_DP
USB_DM
GND
VRTC
ADC
PWRKEY
NETLIGHT
STATUS
SPK2N
SPK2P
MCCA3
MCCA2
MCCA1
MCCA0
MCCK
GPS_VBAT
VBAT
VDD_EXT
GPS_ANT
BT_ANT
RF_SYNC
GSM_ANT
GND
GND
GND
SCL
SDA
GPS_RXD
GPS_TXD
1PPS
GNSS_EN
GPIO2
GPIO1
SIM2VDD
SIM2RST
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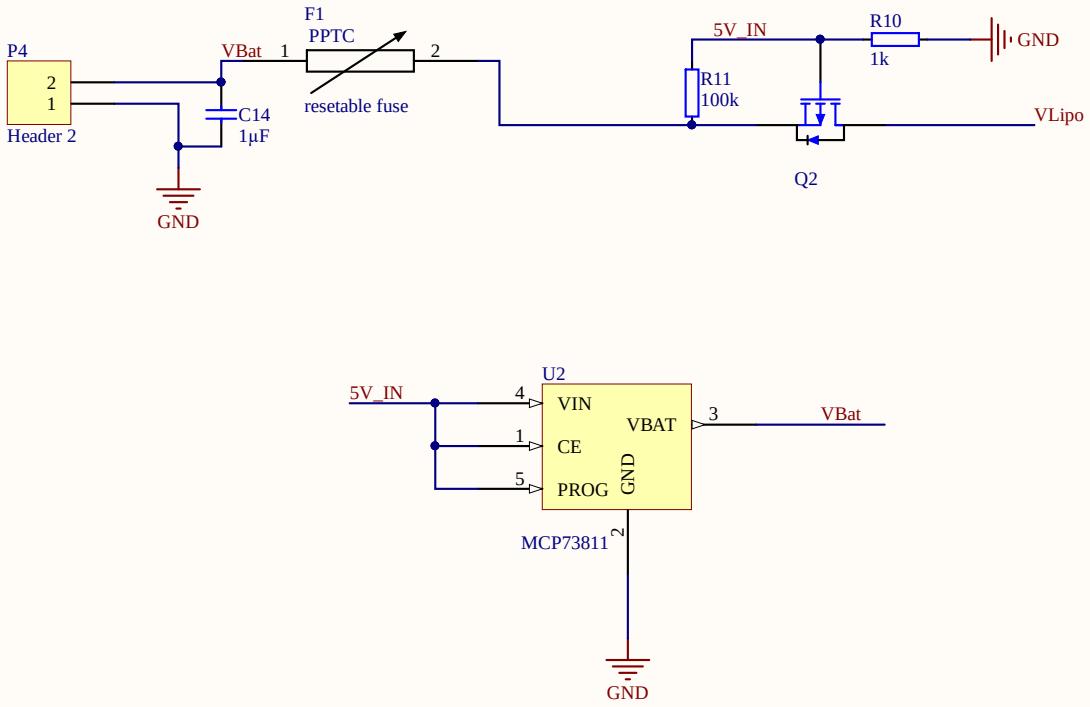
SIM2DATA
SIM2DET
MCCM0
GND
GND
GND



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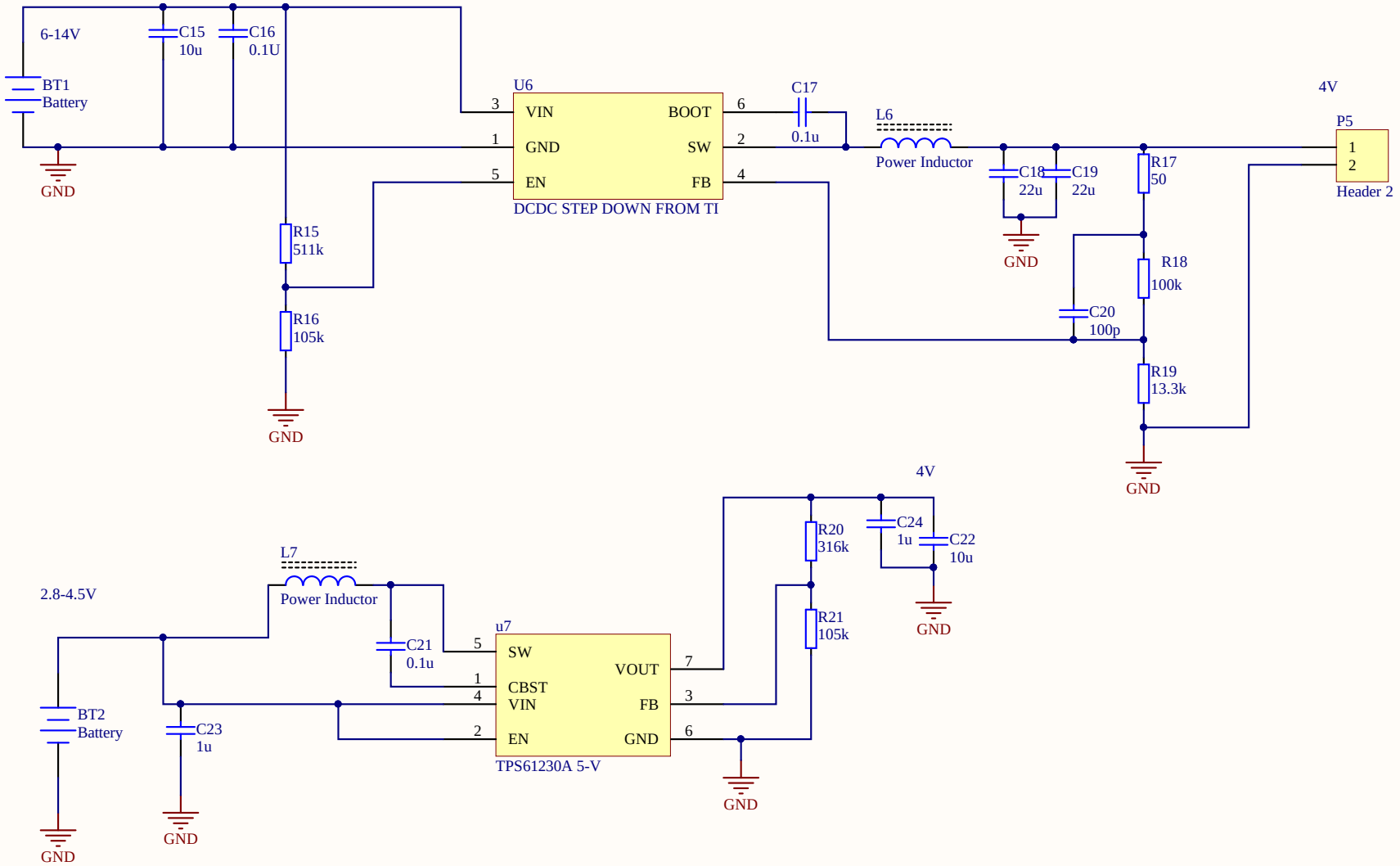

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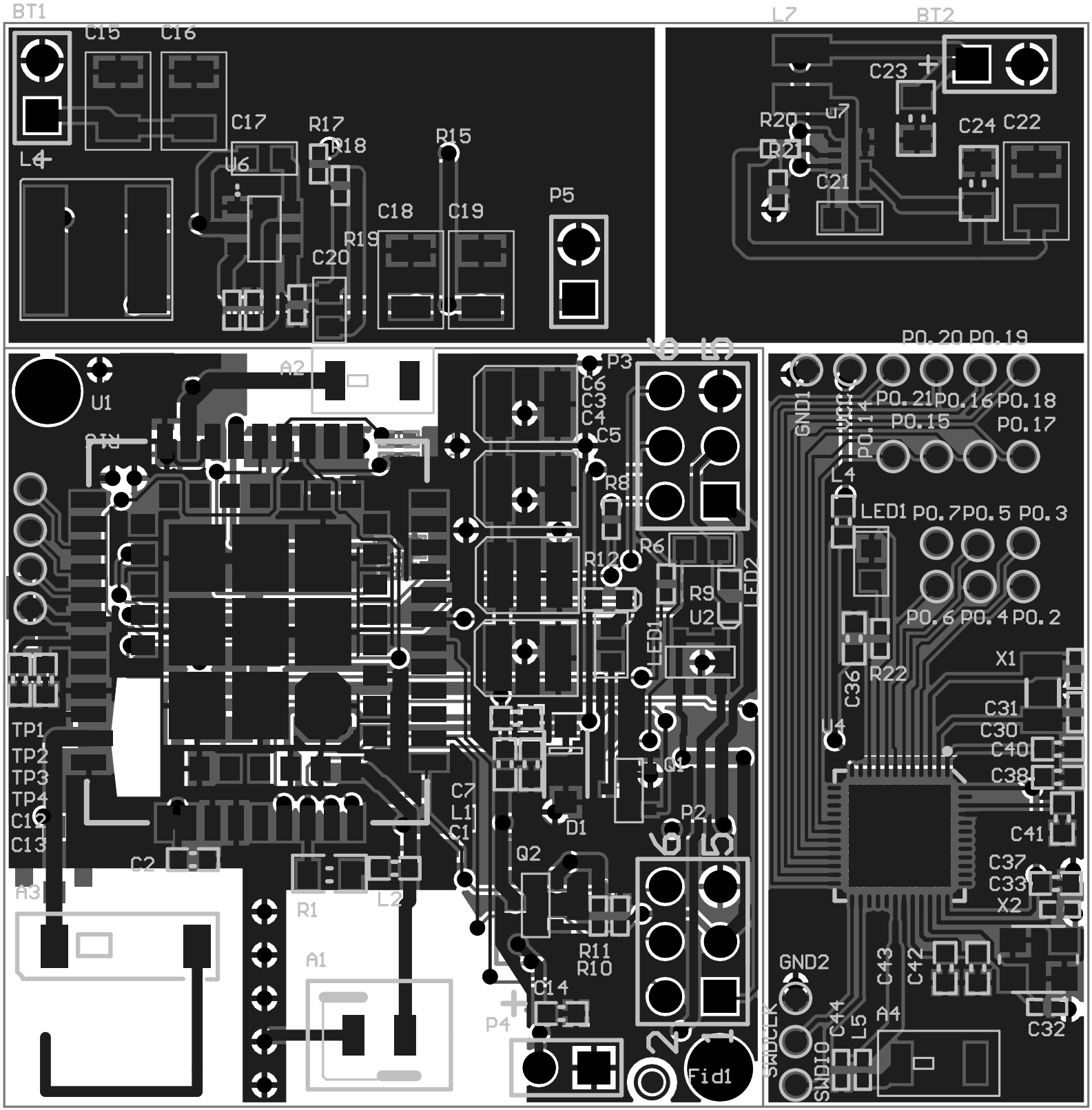
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C15
C16
C17
R17
R18
R15
L4
U6
C18
C19
R19
C20
P5
L7
BT2
C23
R20
U7
C24
C22
R21
C21
P0.20 P0.19
P0.21 P0.16 P0.18
P0.15 P0.17
LED1 P0.7 P0.5 P0.3
P0.6 P0.4 P0.2
X1
C31
C30
C40
C38
C41
C37
C33
X2
C32
GND2
C43
C42
C44
L5
A4
SWDCLK
SWDIO
U4
R22
C36
A2
U1
P3
C6
C3
C4
C5
R8
R6
R12
R9
U2
LED2
LED1
TP1
TP2
TP3
TP4
C12
C13
C7
L1
C1
D1
Q2
P2
C2
A3
R1
L2
A1
R11
R10
C14
P4
Fid1

Board S