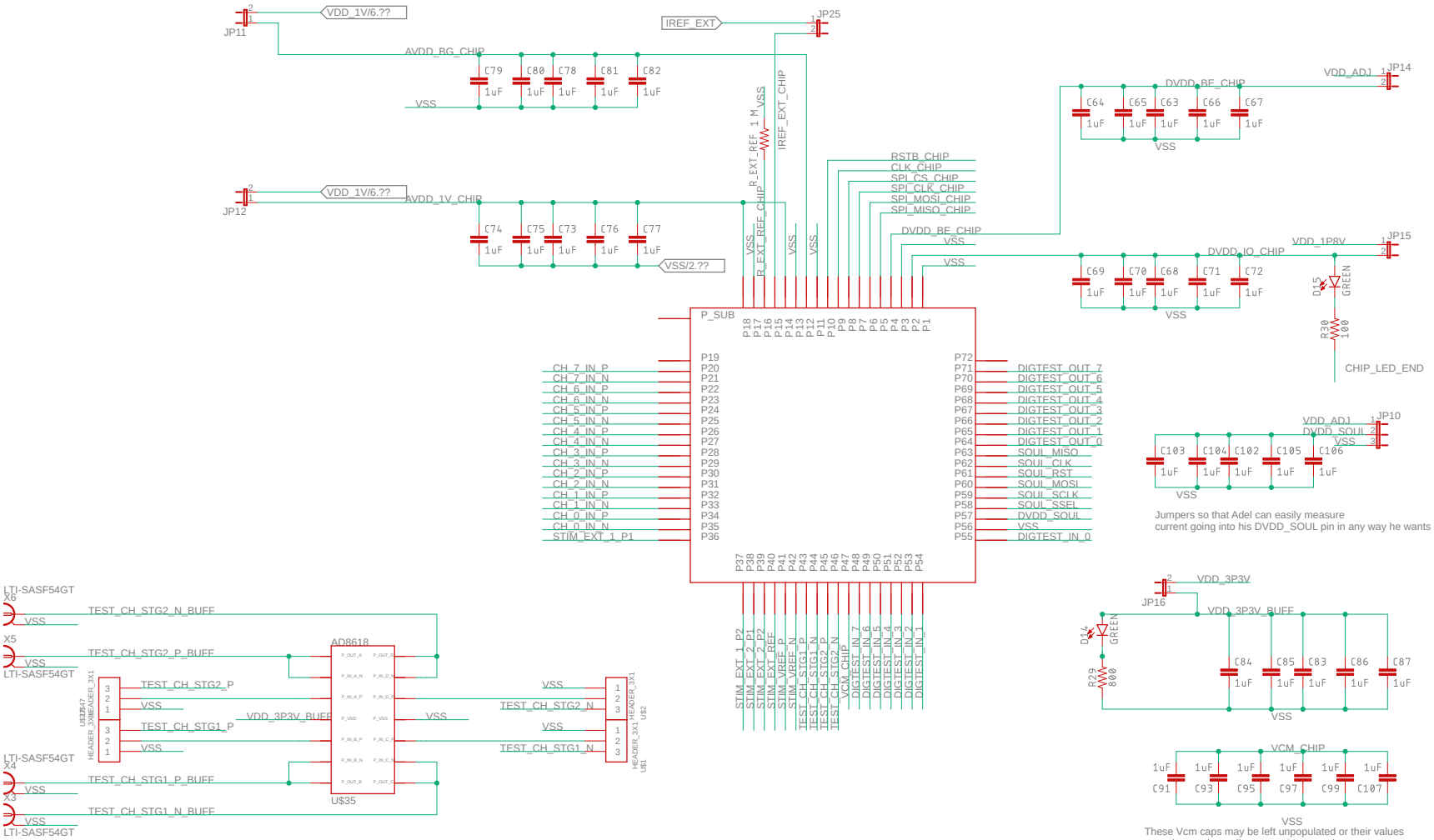
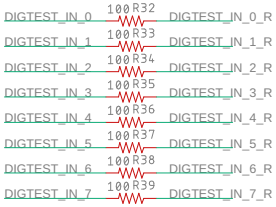
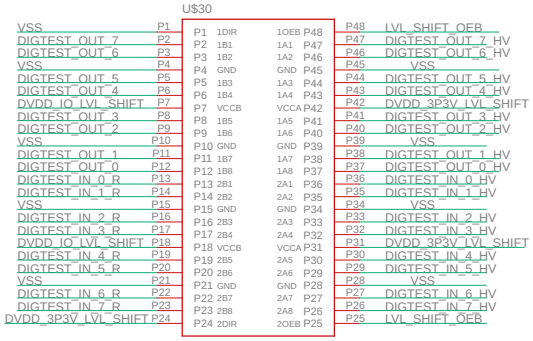
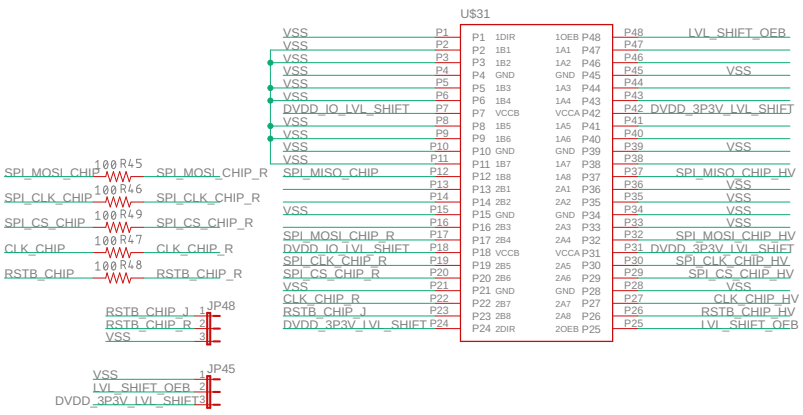
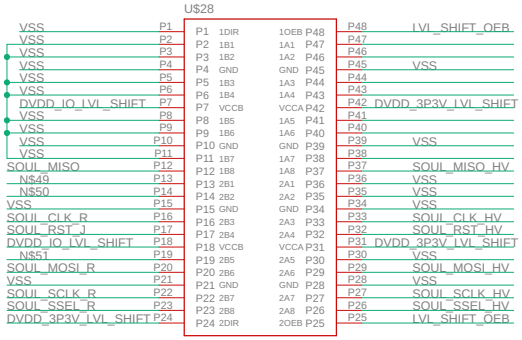

VDD_1V/6.??
JP11
IREF_EXT
JP25
AVDD_BG_CHIP
C79 1uF
C80 1uF
C78 1uF
C81 1uF
C82 1uF
VSS
R_EXT_REF 1 M
IREF_EXT_CHIP
VDD_1V/6.??
JP12
AVDD_1V_CHIP
C74 1uF
C75 1uF
C73 1uF
C76 1uF
C77 1uF
VSS/2.??
R_EXT_REF_CHIP
RSTB_CHIP
CLK_CHIP
SPI_CS_CHIP
SPI_CLK_CHIP
SPI_MOSI_CHIP
SPI_MISO_CHIP
DVDD_BF_CHIP
VDD_ADJ
JP14
C64 1uF
C65 1uF
C63 1uF
C66 1uF
C67 1uF
VDD_1P8V
JP15
DVDD_IO_CHIP
C69 1uF
C70 1uF
C68 1uF
C71 1uF
C72 1uF
D15 GREEN
R30 100
CHIP_LED_END
P_SUB
CH_7_IN_P
CH_7_IN_N
CH_6_IN_P
CH_6_IN_N
CH_5_IN_P
CH_5_IN_N
CH_4_IN_P
CH_4_IN_N
CH_3_IN_P
CH_3_IN_N
CH_2_IN_P
CH_2_IN_N
CH_1_IN_P
CH_1_IN_N
CH_0_IN_P
CH_0_IN_N
STIM_EXT_1_P1
DIGTEST_OUT_7
DIGTEST_OUT_6
DIGTEST_OUT_5
DIGTEST_OUT_4
DIGTEST_OUT_3
DIGTEST_OUT_2
DIGTEST_OUT_1
DIGTEST_OUT_0
SOUI_MISO
SOUI_CLK
SOUI_RST
SOUI_MOSI
SOUI_SCLK
SOUI_SSEL
DVDD_SOUI
VSS
DIGTEST_IN_0
VDD_ADJ
DVDD_SOUI
JP10
C103 1uF
C104 1uF
C102 1uF
C105 1uF
C106 1uF
Jumpers so that Adel can easily measure
current going into his DVDD_SOUL pin in any way he wants
LTI-SASF54GT
X6
TEST_CH_STG2_N_BUFF
X5
TEST_CH_STG2_P_BUFF
LTI-SASF54GT
AD8618
TEST_CH_STG2_P
TEST_CH_STG1_P
VDD_3P3V_BUFF
U$35
TEST_CH_STG2_N
TEST_CH_STG1_N
LTI-SASF54GT
X4
TEST_CH_STG1_P_BUFF
X3
TEST_CH_STG1_N_BUFF
LTI-SASF54GT
VDD_3P3V
JP16
D14 GREEN
R29 800
C84 1uF
C85 1uF
C83 1uF
C86 1uF
C87 1uF
VCM_CHIP
C91 1uF
C93 1uF
C95 1uF
C97 1uF
C99 1uF
C107 1uF
These Vcm caps may be left unpopulated or their values
may change depending on our Vcm needs

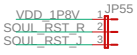
Ear EEG IC

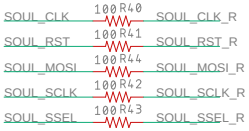


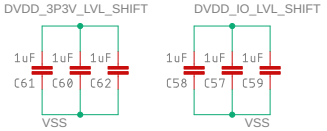






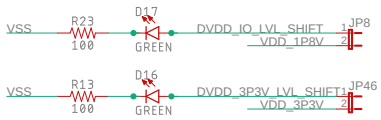




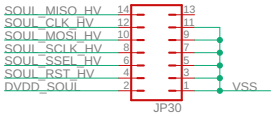


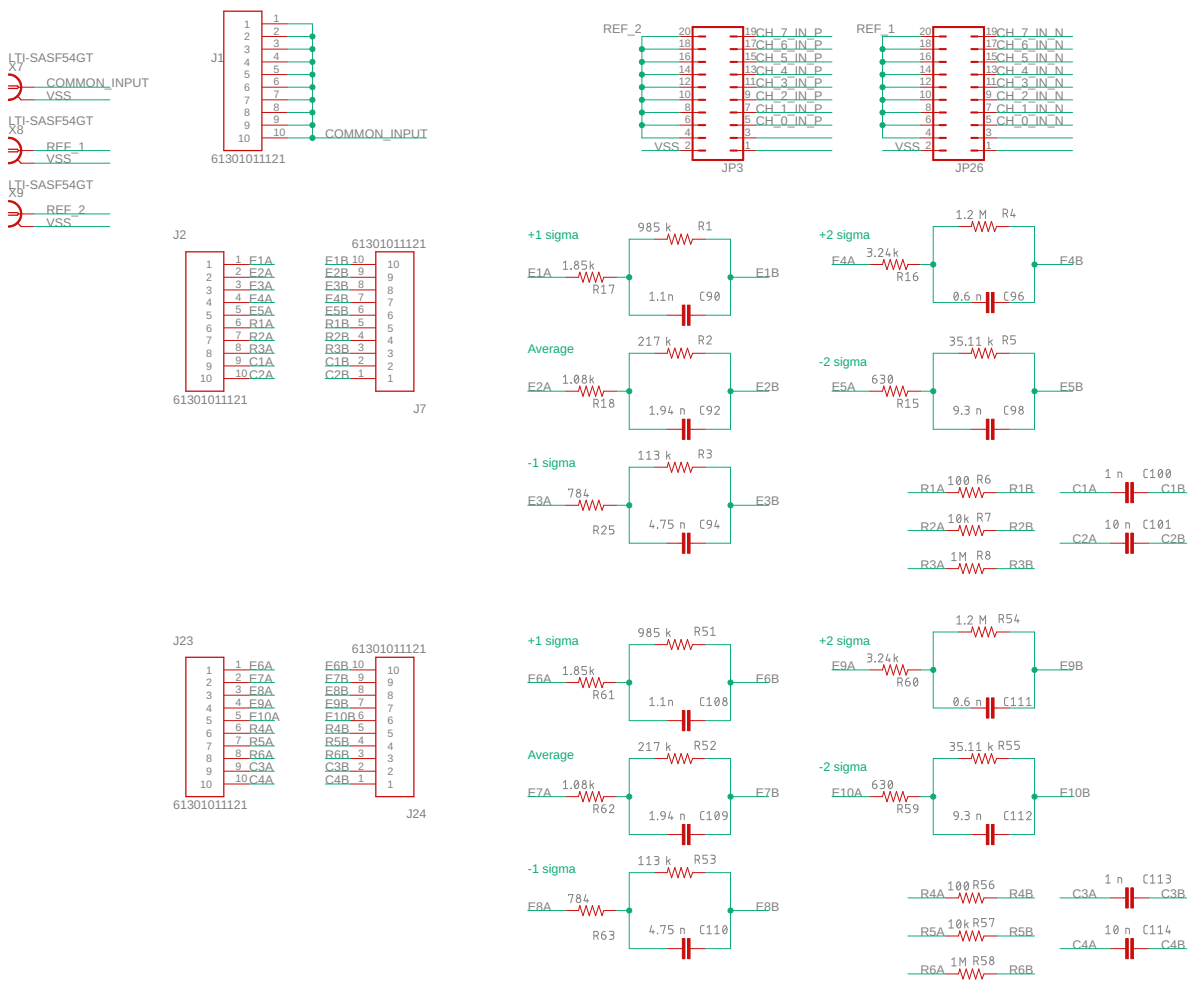
All these chips will be right next to eachother so we will try to share a single set of decap.

We can add more if people want.

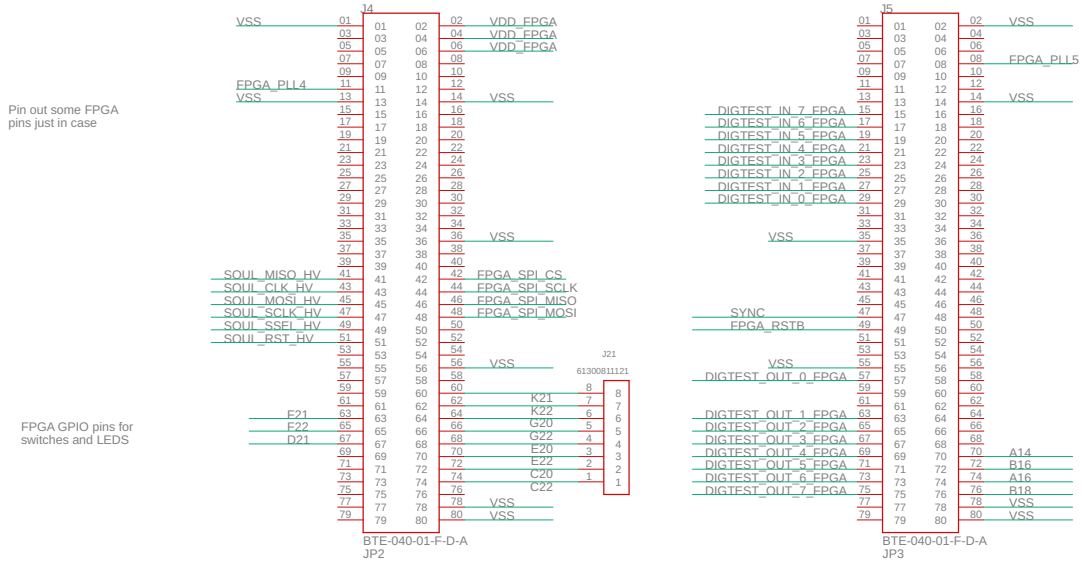


Level Shifters

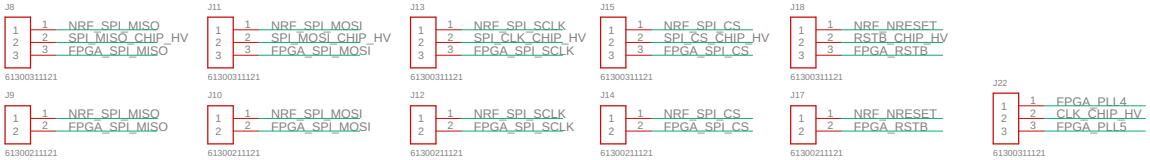




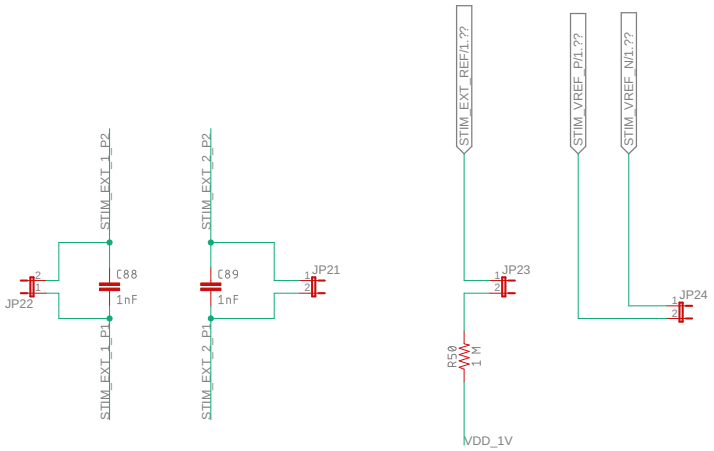
Input headers with electrode models



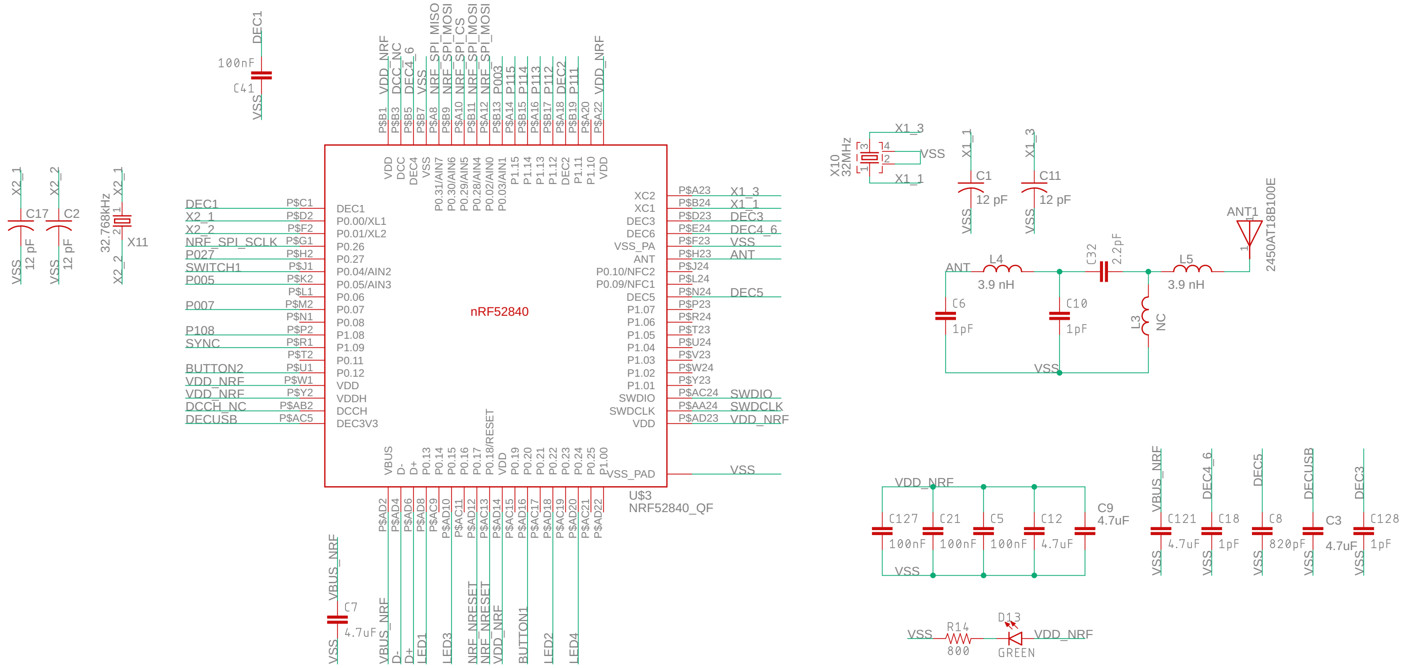
FPGA headers



Digtest & various jumpers

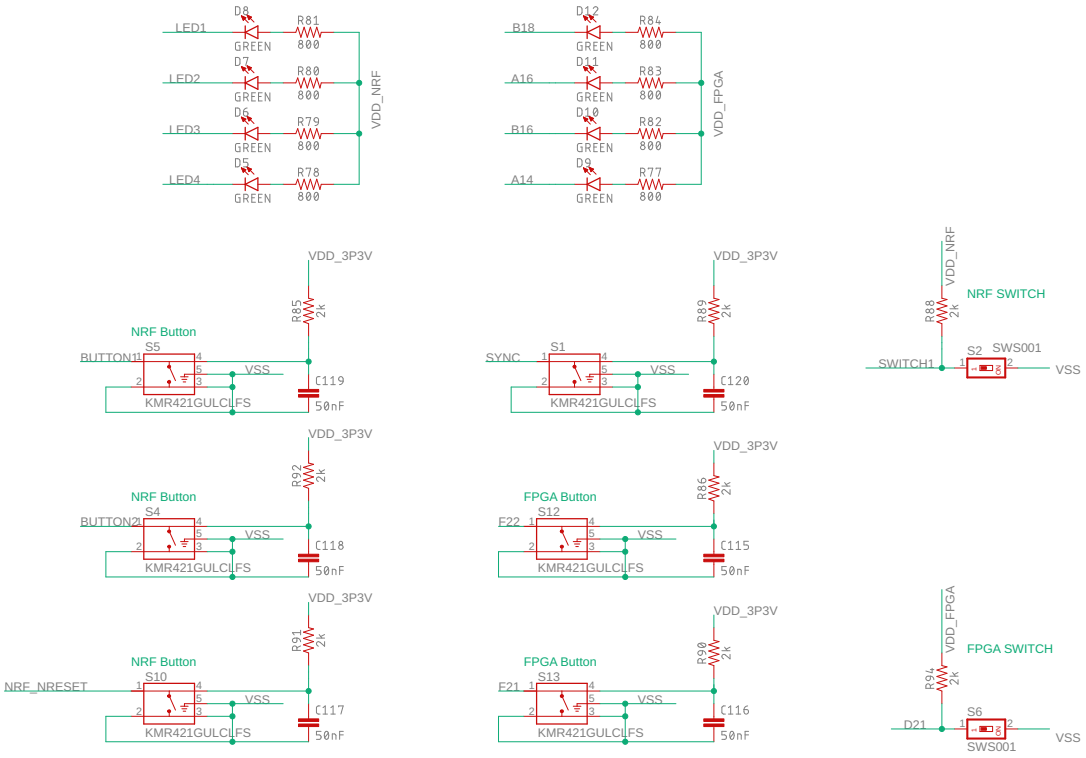


Stim Testpoints

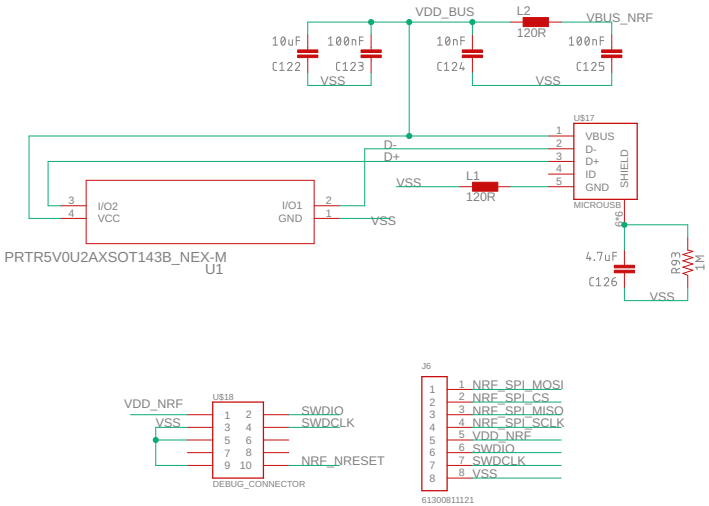


nRF52840
U$3
NRF52840_QF
DEC1
P0.00/XL1
P0.01/XL2
P0.26
P0.27
P0.04/AIN2
P0.05/AIN3
P0.06
P0.07
P0.08
P1.08
P1.09
P0.11
P0.12
VDD
VDDH
DCCH
DEC3V3
XC2
XC1
DEC3
DEC6
VSS_PA
ANT
P0.10/NFC2
P0.09/NFC1
DEC5
P1.07
P1.06
P1.05
P1.04
P1.03
P1.02
P1.01
SWDIO
SWDCLK
VDD
VSS_PAD
DEC1
X2_1
X2_2
NRF_SPI_SCLK
P027
SWITCH1
P005
P007
P108
SYNC
BUTTON2
VDD_NRF
VDD_NRF
DCCH_NC
DECUSB
X1_3
X1_1
DEC3
DEC4_6
VSS
ANT
DEC5
SWDIO
SWDCLK
VDD_NRF
VSS
VDD_NRF
DCC_NC
DEC4_6
VSS
NRF_SPI_MISO
NRF_SPI_MOSI
NRF_SPI_CS
NRF_SPI_MOSI
NRF_SPI_MOSI
P003
P115
P114
P113
P112
DEC2
P111
VDD_NRF
VBUS_NRF
D-
D+
LED1
LED3
NRF_NRESET
NRF_NRESET
VDD_NRF
BUTTON1
LED2
LED4
DEC1
100nF
C41
VSS
X2_1
X2_2
C17
C2
12 pF
12 pF
VSS
VSS
32.768kHz
X2_1
X2_2
X11
VBUS_NRF
C7
4.7uF
VSS
X10
32MHz
X1_3
X1_1
VSS
X1_1
X1_3
C1
C11
12 pF
12 pF
VSS
VSS
ANT1
2450AT18B100E
ANT
L4
3.9 nH
C32
2.2pF
L5
3.9 nH
C6
1pF
C10
1pF
L3
NC
VSS
VDD_NRF
C127
100nF
C21
100nF
C5
100nF
C12
4.7uF
C9
4.7uF
VSS
VBUS_NRF
DEC4_6
DEC5
DECUSB
DEC3
C121
4.7uF
C18
1pF
C8
820pF
C3
4.7uF
C128
1pF
VSS
R14
800
D13
GREEN
VDD_NRF

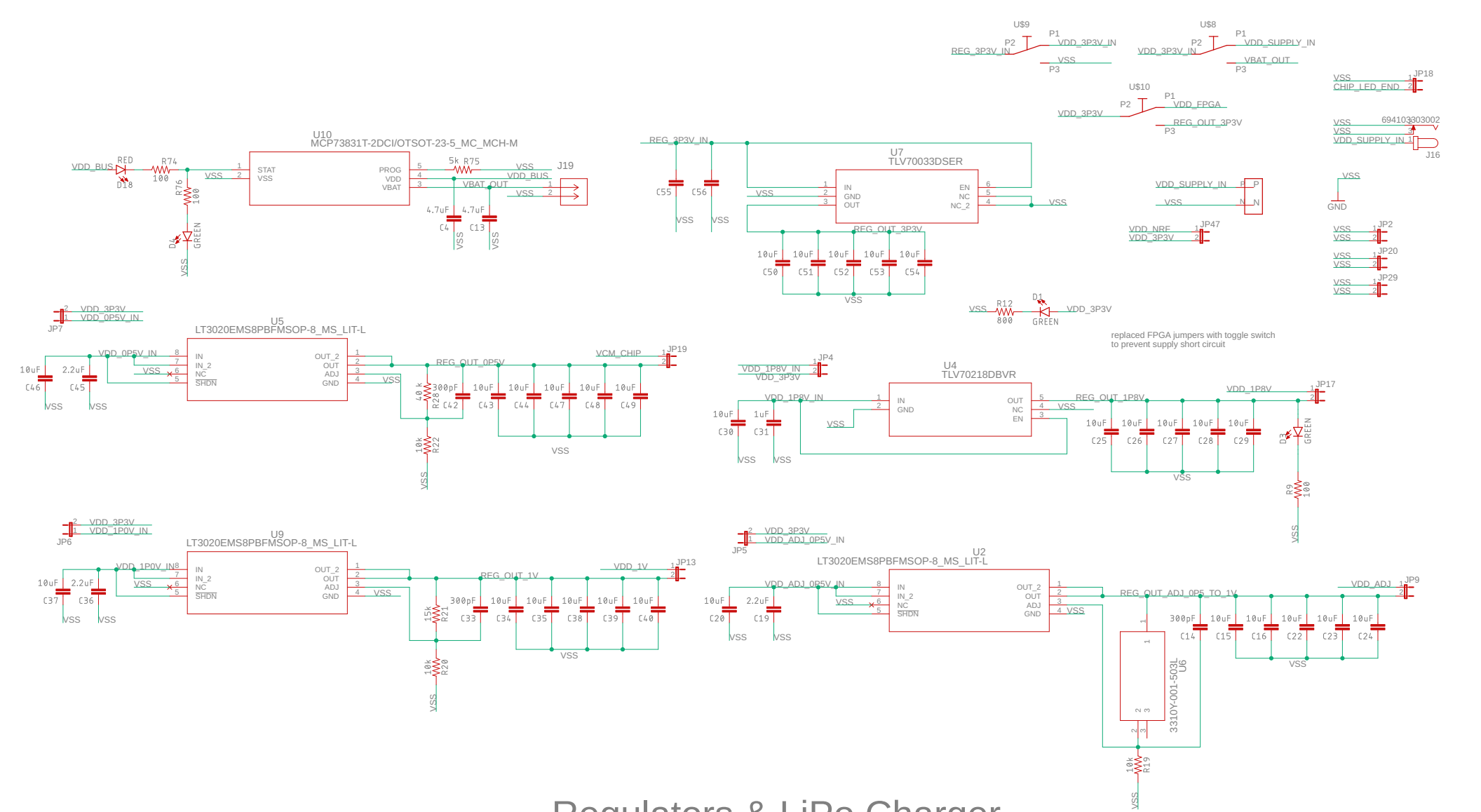
Nordic IC



GPIO LEDS & Switches



Headers for NRF USB, Progrmming, & SPI



Regulators & LiPo Charger