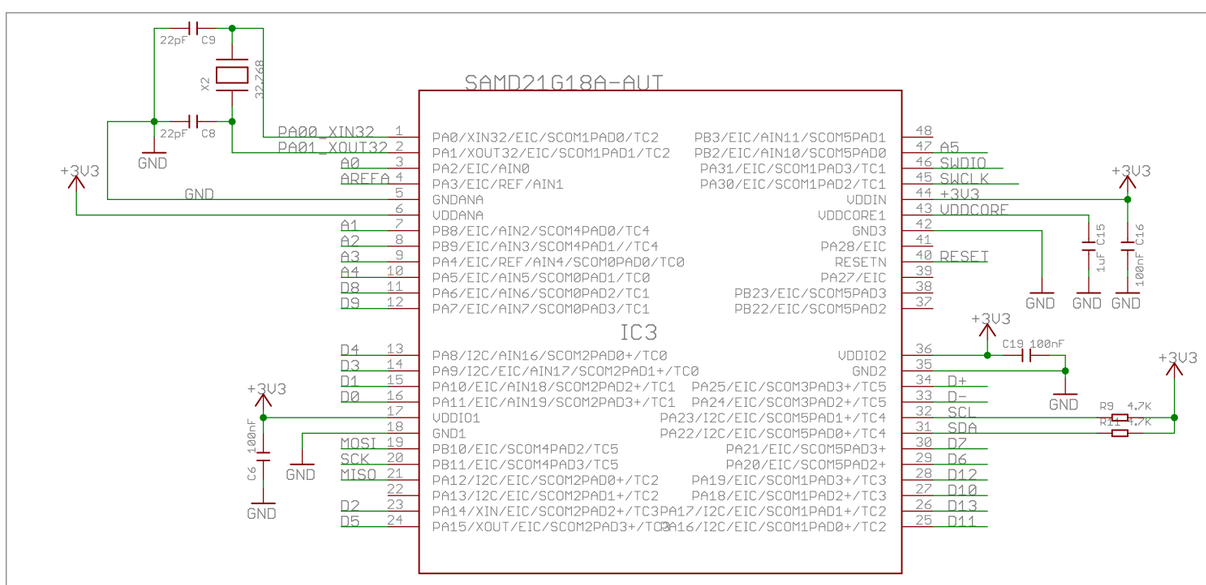
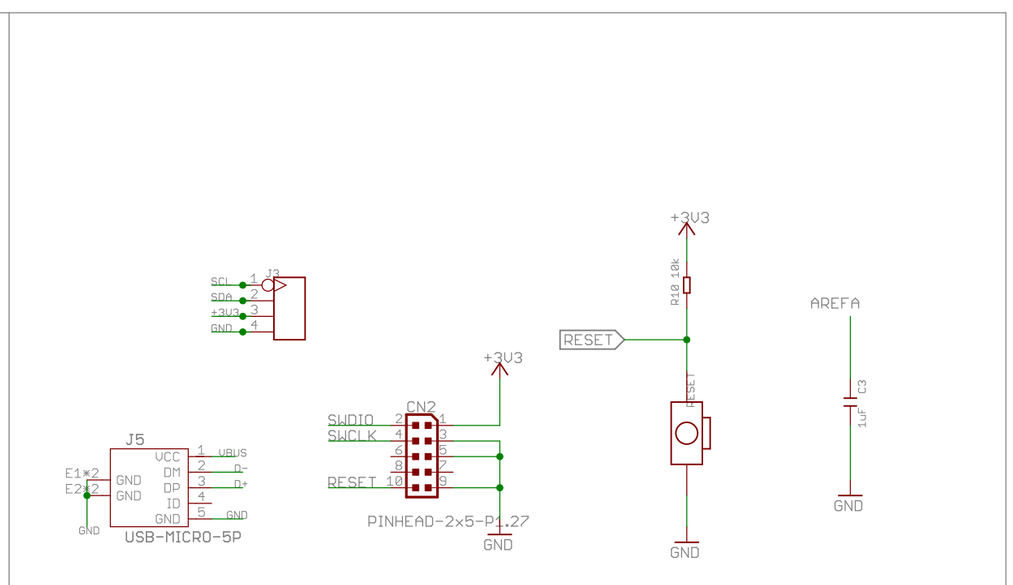
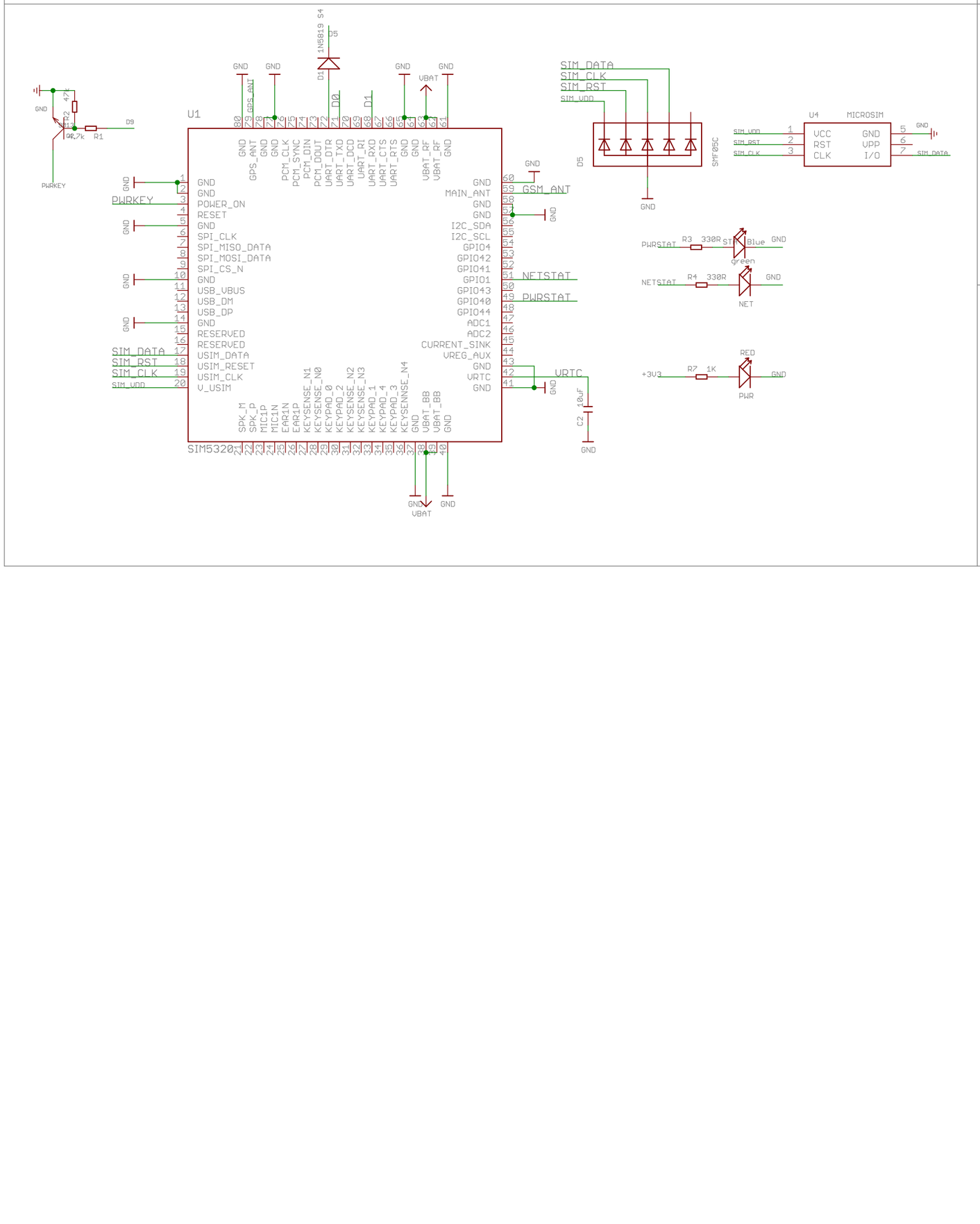
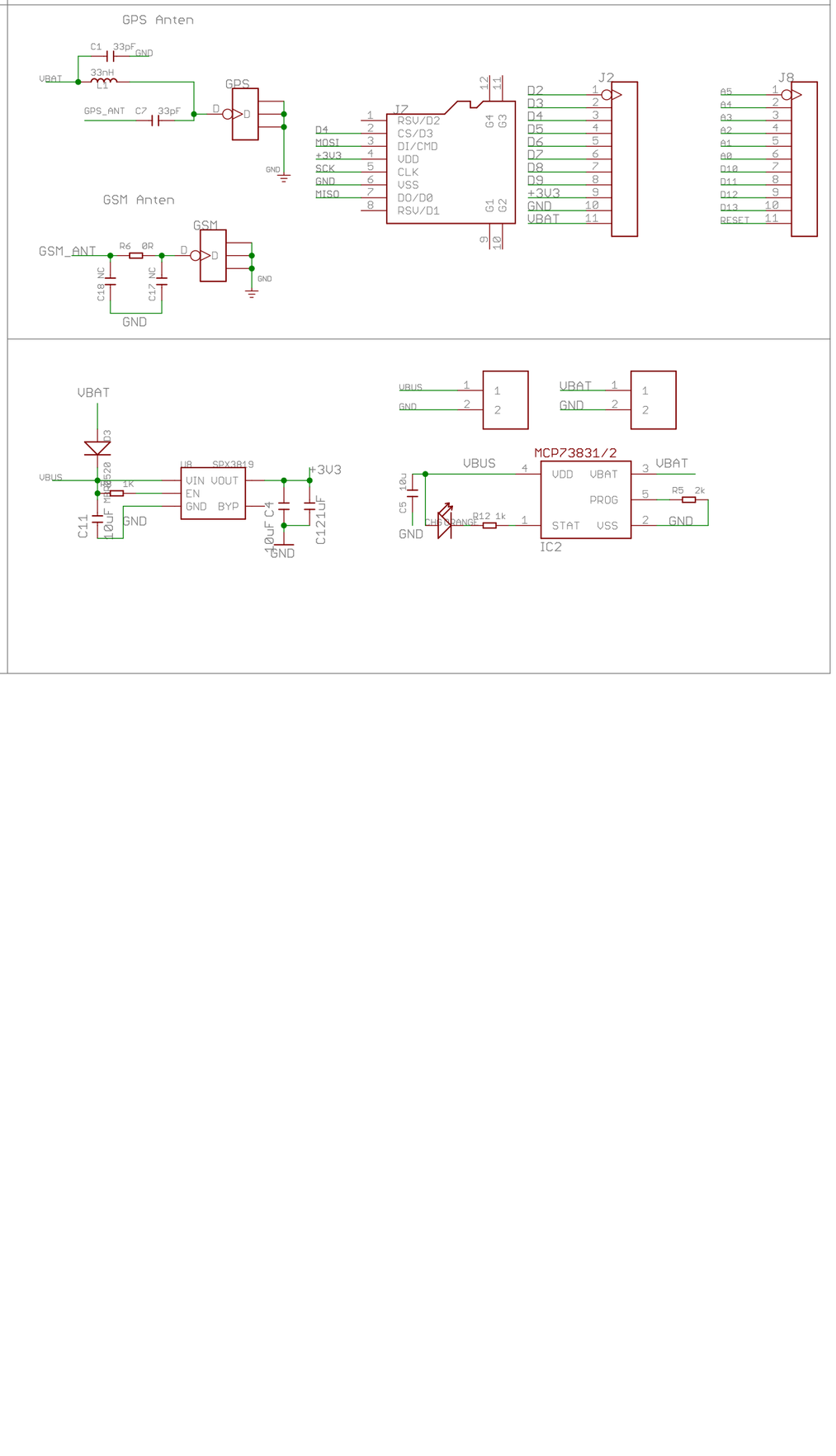

SAMD21G18A-AUT
IC3
PA00_XIN32
PA01_XOUT32
A0
AREFA
A1
A2
A3
A4
D8
D9
D4
D3
D1
D0
MOSI
SCK
MISO
D2
D5
PA0/XIN32/EIC/SCOM1PAD0/TC2
PA1/XOUT32/EIC/SCOM1PAD1/TC2
PA2/EIC/AIN0
PA3/EIC/REF/AIN1
GNDANA
VDDANA
PB8/EIC/AIN2/SCOM4PAD0/TC4
PB9/EIC/AIN3/SCOM4PAD1//TC4
PA4/EIC/REF/AIN4/SCOM0PAD0/TC0
PA5/EIC/AIN5/SCOM0PAD1/TC0
PA6/EIC/AIN6/SCOM0PAD2/TC1
PA7/EIC/AIN7/SCOM0PAD3/TC1
PA8/I2C/AIN16/SCOM2PAD0+/TC0
PA9/I2C/EIC/AIN17/SCOM2PAD1+/TC0
PA10/EIC/AIN18/SCOM2PAD2+/TC1
PA11/EIC/AIN19/SCOM2PAD3+/TC1
VDDIO1
GND1
PB10/EIC/SCOM4PAD2/TC5
PB11/EIC/SCOM4PAD3/TC5
PA12/I2C/EIC/SCOM2PAD0+/TC2
PA13/I2C/EIC/SCOM2PAD1+/TC2
PA14/XIN/EIC/SCOM2PAD2+/TC3
PA15/XOUT/EIC/SCOM2PAD3+/TC3
PB3/EIC/AIN11/SCOM5PAD1
PB2/EIC/AIN10/SCOM5PAD0
PA31/EIC/SCOM1PAD3/TC1
PA30/EIC/SCOM1PAD2/TC1
VDDIN
VDDCORE1
GND3
PA28/EIC
RESETN
PA27/EIC
PB23/EIC/SCOM5PAD3
PB22/EIC/SCOM5PAD2
VDDIO2
GND2
PA25/EIC/SCOM3PAD3+/TC5
PA24/EIC/SCOM3PAD2+/TC5
PA23/I2C/EIC/SCOM5PAD1+/TC4
PA22/I2C/EIC/SCOM5PAD0+/TC4
PA21/EIC/SCOM5PAD3+
PA20/EIC/SCOM5PAD2+
PA19/EIC/SCOM1PAD3+/TC3
PA18/EIC/SCOM1PAD2+/TC3
PA17/I2C/EIC/SCOM1PAD1+/TC2
PA16/I2C/EIC/SCOM1PAD0+/TC2
A5
SWDIO
SWCLK
+3V3
VDDCORE
RESET
D7
D6
D12
D10
D13
D11
22pF C9
22pF C8
X2
32.768
C15 1uF
C16 100nF
C19 100nF
C6 100nF
R9 4,7K
R11 4,7K
GND
+3V3


J3
SCL
SDA
+3V3
GND
J5
USB-MICRO-5P
VCC
DM
DP
ID
GND
VBUS
D-
D+
CN2
PINHEAD-2x5-P1.27
SWDIO
SWCLK
RESET
R10 10k
AREFA
C3 1uF


U1
SIM5320
PWRKEY
R2 47k
R1 10k
D9
D5 1N5819 S4
SIM_DATA
SIM_CLK
SIM_RST
SIM_VDD
SMF05C
U4 MICROSIM
VCC
RST
CLK
GND
VPP
I/O
GSM_ANT
NETSTAT
PWRSTAT
R3 330R
R4 330R
Blue
green
NET
PWR
R7 1K
RED
VRTC
C2 10uF
GPS_ANT
PCM_CLK
PCM_SYNC
PCM_DIN
PCM_DOUT
UART_DTR
UART_TXD
UART_DCD
UART_RI
UART_RXD
UART_CTS
UART_RTS
VBAT_RF
VBAT_BB
SPK_M
SPK_P
MIC1P
MIC1N
EAR1P
KEYSENSE_N1
KEYSENSE_N0
KEYPAD_0
KEYPAD_2
KEYSENSE_N2
KEYSENSE_N3
KEYPAD_1
KEYPAD_4
KEYPAD_3
KEYSENSE_N4
USB_VBUS
USB_DM
USB_DP
RESERVED
USIM_DATA
USIM_RESET
USIM_CLK
V_USIM
MAIN_ANT
I2C_SDA
I2C_SCL
GPIO4
GPIO42
GPIO41
GPIO1
GPIO43
GPIO40
GPIO44
ADC1
ADC2
CURRENT_SINK
VREG_AUX


GPS Anten
C1 33pF
L1 33nH
C7 33pF
GPS
GSM Anten
GSM
GSM_ANT
R6 0R
C18 NC
C17 NC
J7
J2
J8
RSV/D2
CS/D3
DI/CMD
VDD
CLK
VSS
DO/D0
RSV/D1
D2
D3
D4
D5
D6
D7
D8
D9
+3V3
GND
VBAT
MOSI
SCK
MISO
A5
A4
A3
A2
A1
A0
D10
D11
D12
D13
RESET
VBAT
C11 10uF
U8 SPX3819
VIN VOUT
EN
GND BYP
C4 10uF
C121uF
VBUS
MCP73831/2
VDD VBAT
PROG
STAT VSS
R5 2k
R12 1k
C5 10u
IC2