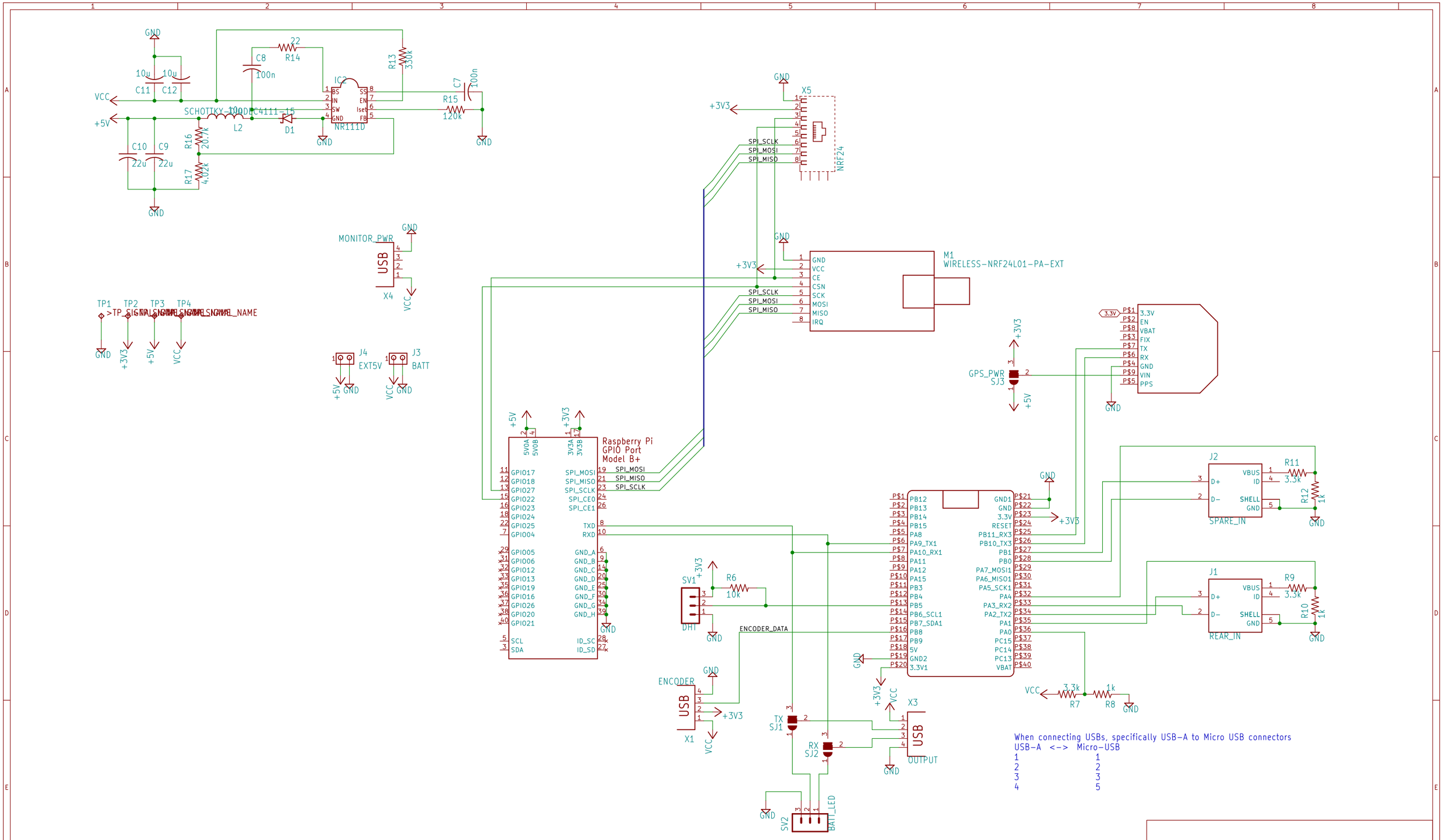
GND
VCC
+5V
10u
C11
C12
C8
100n
22
R14
R13
330k
IC2
NR111D
SCHOTTKY-100DEC4111-15
L2
D1
C7
100n
R15
120k
C10
22u
C9
22u
R16
20.7k
R17
4.02k
MONITOR_PWR
USB
X4
TP1
TP2
TP3
TP4
+3V3
J4
EXT5V
J3
BATT
X5
NRF24
SPI_SCLK
SPI_MOSI
SPI_MISO
M1
WIRELESS-NRF24L01-PA-EXT
GND
VCC
CE
CSN
SCK
MOSI
MISO
IRQ
GPS_PWR
SJ3
3.3V
EN
VBAT
FIX
TX
RX
VIN
PPS
Raspberry Pi
GPIO Port
Model B+
5V0A
5V0B
3V3A
3V3B
GPIO17
GPIO18
GPIO27
GPIO22
GPIO23
GPIO24
GPIO25
GPIO04
GPIO05
GPIO06
GPIO12
GPIO13
GPIO19
GPIO16
GPIO26
GPIO20
GPIO21
SCL
SDA
SPI_CE0
SPI_CE1
TXD
RXD
GND_A
GND_B
GND_C
GND_D
GND_E
GND_F
GND_G
GND_H
ID_SC
ID_SD
SV1
DHT
R6
10k
ENCODER_DATA
ENCODER
X1
TX
SJ1
RX
SJ2
SV2
BATT_LED
X3
OUTPUT
PB12
PB13
PB14
PB15
PA8
PA9_TX1
PA10_RX1
PA11
PA12
PA15
PB3
PB4
PB5
PB6_SCL1
PB7_SDA1
PB8
PB9
5V
GND2
3.3V1
GND1
RESET
PB11_RX3
PB10_TX3
PB1
PB0
PA7_MOSI1
PA6_MISO1
PA5_SCK1
PA4
PA3_RX2
PA2_TX2
PA1
PA0
PC15
PC14
PC13
VBAT
J2
SPARE_IN
VBUS
ID
D+
D-
SHELL
R11
3.3k
R12
1k
J1
REAR_IN
R9
3.3k
R10
1k
R7
3.3k
R8
1k
When connecting USBs, specifically USB-A to Micro USB connectors
USB-A <-> Micro-USB
1 1
2 2
3 3
4 5
To be used for any screen, configured by solder bridges.
Title: TITAN Board
HPVDT
Date: 2019-08-07
Rev: 1.2
KiCad E.D.A. kicad 6.0.1-79c1e3a40b-116-ubuntu21.04.1
Size: USLedger
Sheet: 1/1