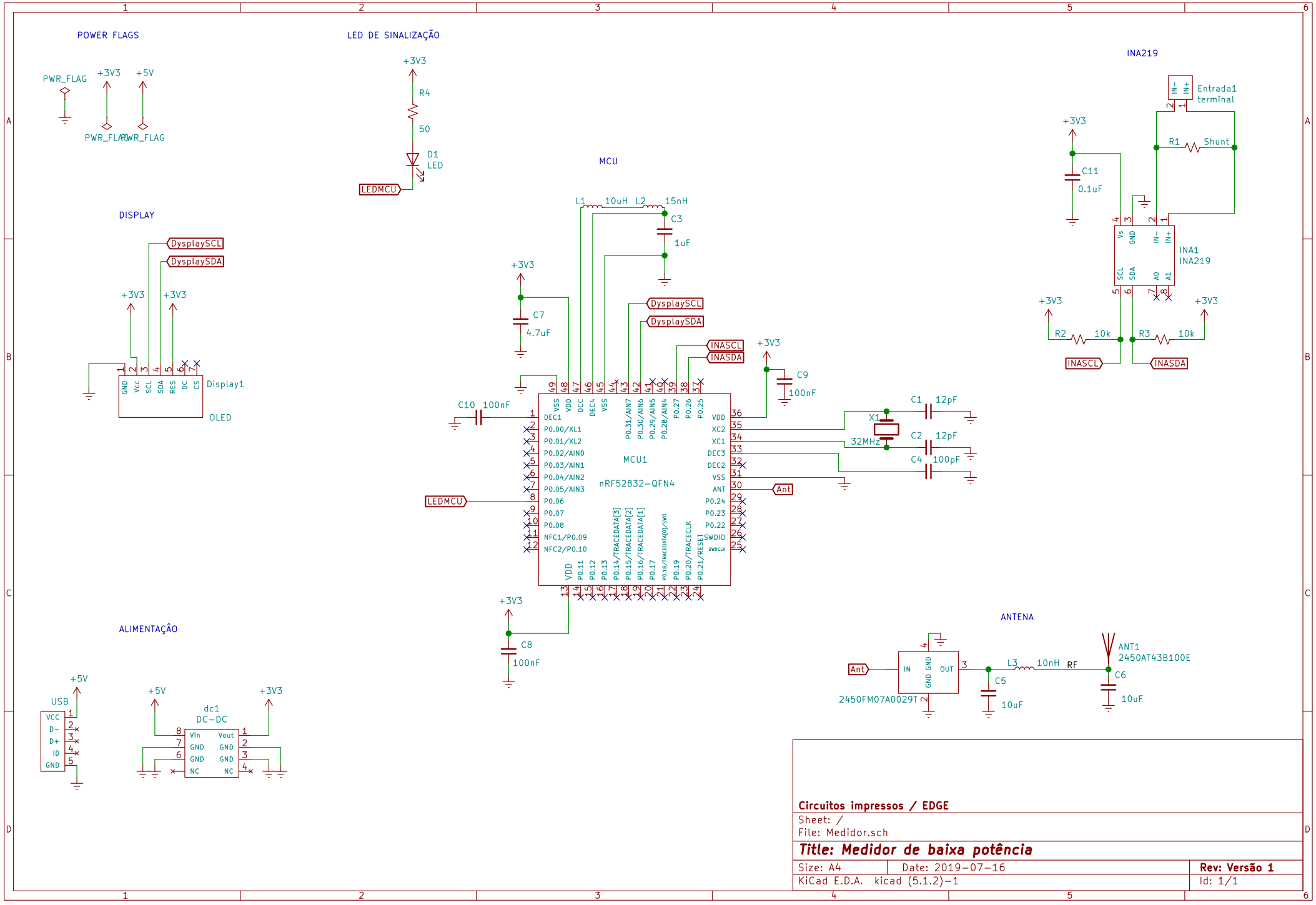
POWER FLAGS
PWR_FLAG
+3V3
+5V
PWR_FLAG
PWR_FLAG
LED DE SINALIZAÇÃO
+3V3
R4
50
D1
LED
LEDMCU
INA219
Entrada1
terminal
IN−
IN+
+3V3
R1
Shunt
C11
0.1uF
INA1
INA219
Vs
GND
IN−
IN+
SCL
SDA
A0
A1
+3V3
+3V3
R2
10k
R3
10k
INASCL
INASDA
DISPLAY
DysplaySCL
DysplaySDA
+3V3
+3V3
GND
Vcc
SCL
SDA
RES
DC
CS
Display1
OLED
MCU
L1
10uH
L2
15nH
C3
1uF
+3V3
C7
4.7uF
DysplaySCL
DysplaySDA
INASCL
INASDA
+3V3
C9
100nF
C10
100nF
MCU1
nRF52832-QFN4
VSS
VDD
DCC
DEC4
VSS
P0.31/AIN7
P0.30/AIN6
P0.29/AIN5
P0.28/AIN4
P0.27
P0.26
P0.25
DEC1
P0.00/XL1
P0.01/XL2
P0.02/AIN0
P0.03/AIN1
P0.04/AIN2
P0.05/AIN3
P0.06
P0.07
P0.08
NFC1/P0.09
NFC2/P0.10
VDD
XC2
XC1
DEC3
DEC2
VSS
ANT
P0.24
P0.23
P0.22
SWDIO
SWDCLK
VDD
P0.11
P0.12
P0.13
P0.14/TRACEDATA[3]
P0.15/TRACEDATA[2]
P0.16/TRACEDATA[1]
P0.17
P0.18/TRACEDATA[0]/SWO
P0.19
P0.20/TRACECLK
P0.21/RESET
LEDMCU
Ant
C1
12pF
X1
32MHz
C2
12pF
C4
100pF
+3V3
C8
100nF
ALIMENTAÇÃO
+5V
USB
VCC
D−
D+
ID
GND
+5V
+3V3
dc1
DC−DC
Vin
Vout
GND
GND
GND
GND
NC
NC
ANTENA
Ant
IN
OUT
GND
GND
2450FM07A0029T
L3
10nH
RF
C5
10uF
ANT1
2450AT43B100E
C6
10uF
Circuitos impressos / EDGE
Sheet: /
File: Medidor.sch
Title: Medidor de baixa potência
Size: A4
Date: 2019−07−16
Rev: Versão 1
KiCad E.D.A. kicad (5.1.2)−1
Id: 1/1