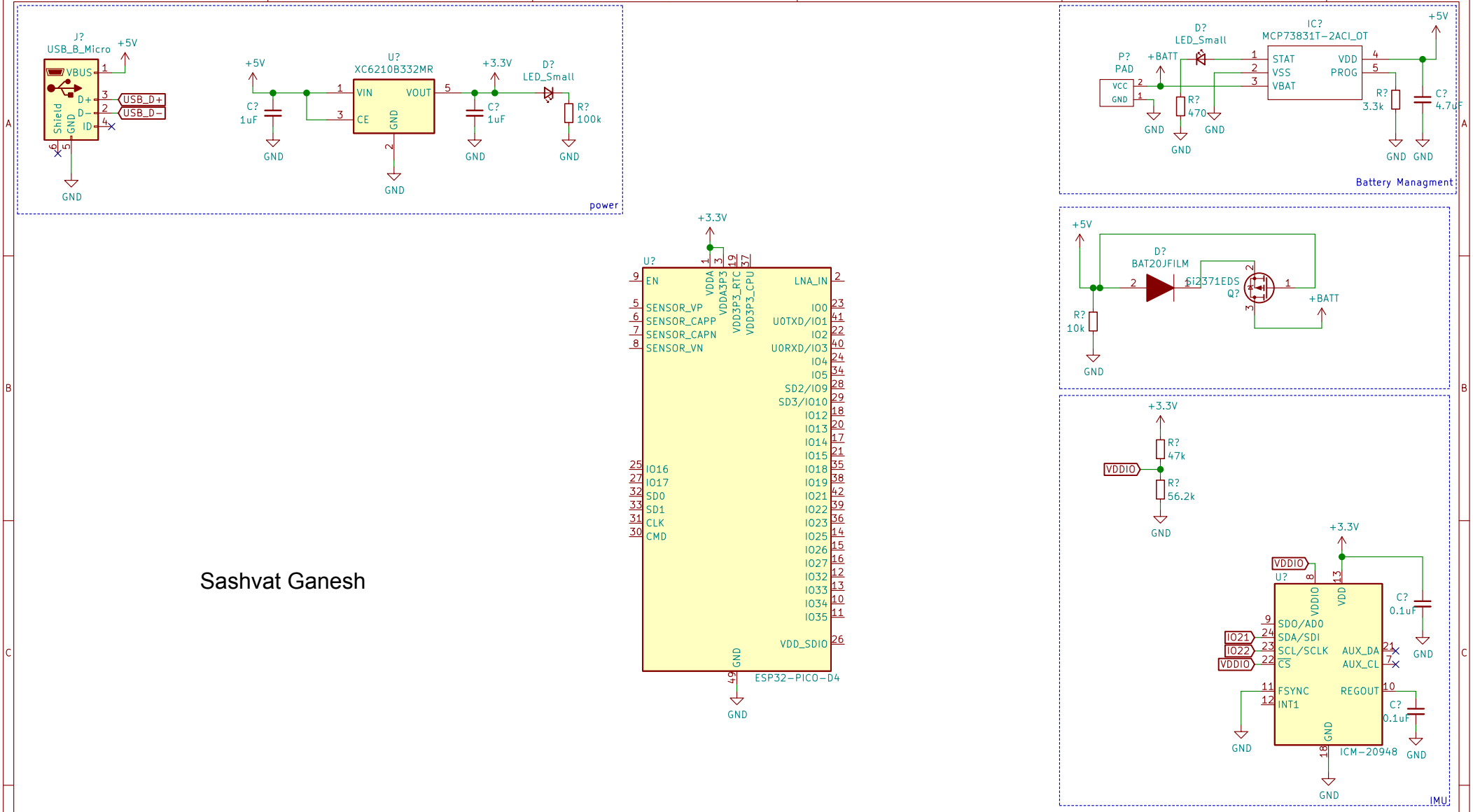
power
J?
USB_B_Micro
+5V
VBUS
D+
D−
ID
GND
Shield
USB_D+
USB_D−
U?
XC6210B332MR
VIN
VOUT
CE
GND
C?
1uF
+3.3V
D?
LED_Small
R?
100k
Battery Managment
P?
PAD
+BATT
IC?
MCP73831T−2ACI_OT
STAT
VSS
VBAT
VDD
PROG
R?
470
3.3k
C?
4.7uF
D?
BAT20JFILM
Si2371EDS
Q?
R?
10k
U?
EN
SENSOR_VP
SENSOR_CAPP
SENSOR_CAPN
SENSOR_VN
VDDA
VDDA3P3
VDD3P3_RTC
VDD3P3_CPU
LNA_IN
IO0
U0TXD/IO1
IO2
U0RXD/IO3
IO4
IO5
SD2/IO9
SD3/IO10
IO12
IO13
IO14
IO15
IO16
IO17
SD0
SD1
CLK
CMD
IO18
IO19
IO21
IO22
IO23
IO25
IO26
IO27
IO32
IO33
IO34
IO35
VDD_SDIO
ESP32−PICO−D4
R?
47k
56.2k
VDDIO
SDO/AD0
SDA/SDI
SCL/SCLK
CS
AUX_DA
AUX_CL
FSYNC
INT1
REGOUT
ICM−20948
IMU
Sashvat Ganesh
Sheet: /
File: Insole v1.0.sch
Title: Dev 1.0
Size: A4
Date: 2021−06−04
Rev: v1.0
KiCad E.D.A. kicad (5.1.9)−1
Id: 1/1