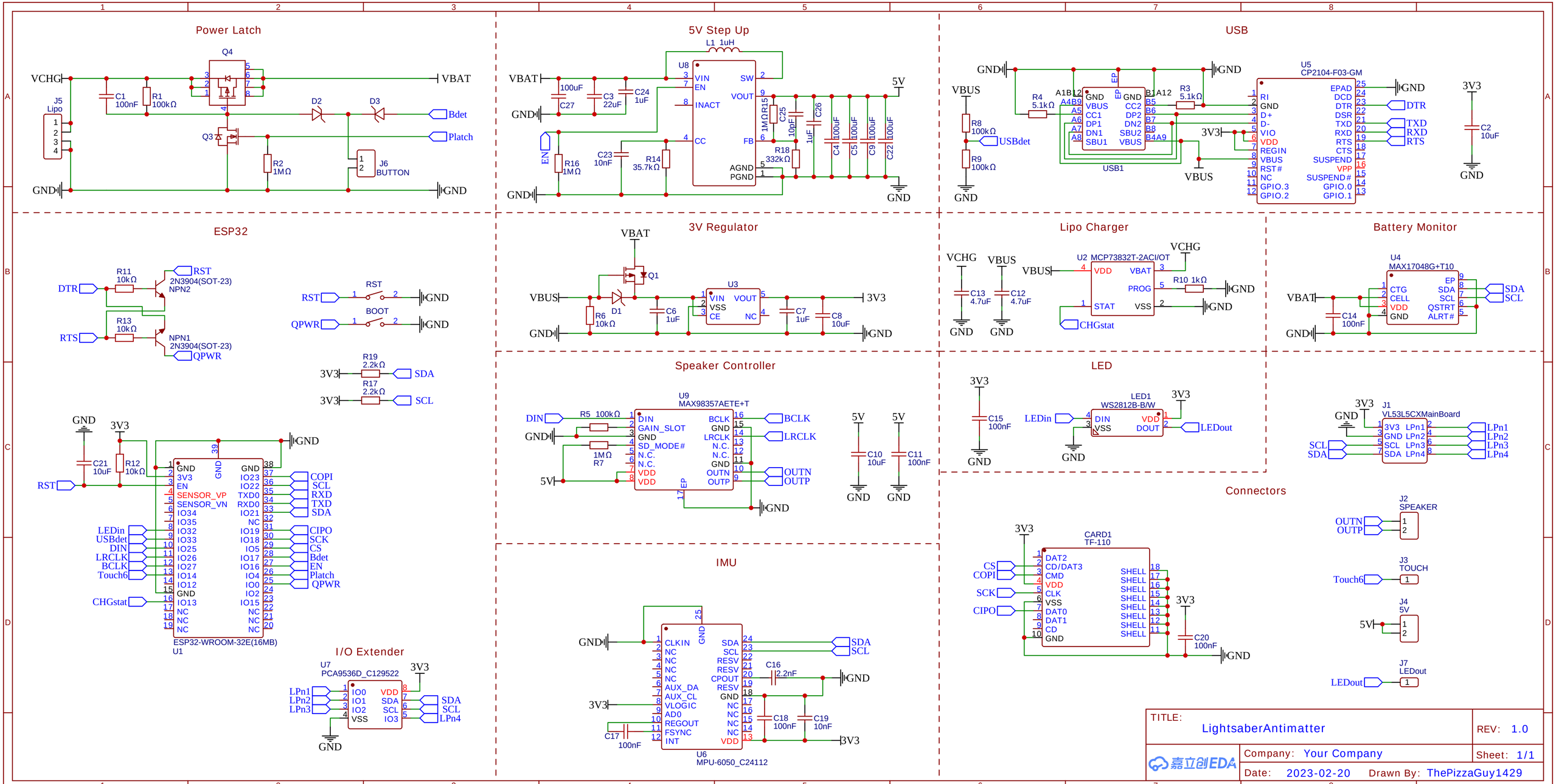
Power Latch
VCHG
J5
Lipo
C1
100nF
R1
100kΩ
Q4
VBAT
D2
D3
Bdet
Q3
Platch
R2
1MΩ
J6
BUTTON
GND
5V Step Up
L1 1uH
U8
VIN
EN
INACT
CC
SW
VOUT
FB
AGND
PGND
VBAT
100uF
C27
C3
22uF
C24
1uF
EN
R16
1MΩ
C23
10nF
R14
35.7kΩ
R15
1MΩ
C25
10pF
C26
1uF
R18
332kΩ
C4
100uF
C5
100uF
C9
100uF
C22
100uF
5V
USB
VBUS
R8
100kΩ
USBdet
R9
100kΩ
R4
5.1kΩ
A1B1
A4B9
A5
A6
A7
A8
GND
VBUS
CC1
DP1
DN1
SBU1
EP
B1A12
B5
B6
B7
B8
B4A9
CC2
DP2
DN2
SBU2
VBUS
R3
5.1kΩ
USB1
3V3
U5
CP2104-F03-GM
RI
GND
D+
D-
VIO
VDD
REGIN
VBUS
RST#
NC
GPIO.3
GPIO.2
EPAD
DCD
DTR
DSR
TXD
RXD
RTS
CTS
SUSPEND
VPP
SUSPEND#
GPIO.0
GPIO.1
C2
10uF
ESP32
DTR
R11
10kΩ
RST
2N3904(SOT-23)
NPN2
RTS
R13
10kΩ
NPN1
2N3904(SOT-23)
QPWR
BOOT
R19
2.2kΩ
SDA
R17
2.2kΩ
SCL
C21
10uF
R12
10kΩ
3V3
SENSOR_VP
SENSOR_VN
IO34
IO35
IO32
IO33
IO25
IO26
IO27
IO14
IO12
IO13
IO23
IO22
TXD0
RXD0
IO21
IO19
IO18
IO5
IO17
IO16
IO4
IO0
IO2
IO15
COPI
CS
Bdet
EN
LEDin
USBdet
DIN
LRCLK
BCLK
Touch6
CHGstat
ESP32-WROOM-32E(16MB)
U1
I/O Extender
U7
PCA9536D_C129522
IO0
IO1
IO2
VSS
VDD
IO3
LPn1
LPn2
LPn3
LPn4
3V Regulator
Q1
D1
R6
10kΩ
U3
VIN
VSS
CE
VOUT
NC
C6
1uF
C7
1uF
C8
10uF
Speaker Controller
U9
MAX98357AETE+T
DIN
GAIN_SLOT
SD_MODE#
N.C.
VDD
BCLK
LRCLK
OUTN
OUTP
R5 100kΩ
R7
1MΩ
C10
10uF
C11
100nF
IMU
U6
MPU-6050_C24112
CLKIN
AUX_DA
AUX_CL
VLOGIC
AD0
REGOUT
FSYNC
INT
RESV
CPOUT
C16
2.2nF
C17
100nF
C18
100nF
C19
10nF
Lipo Charger
U2
MCP73832T-2ACI/OT
VDD
STAT
VBAT
PROG
VSS
C13
4.7uF
C12
4.7uF
R10 1kΩ
CHGstat
Battery Monitor
U4
MAX17048G+T10
CTG
CELL
VDD
GND
EP
SDA
SCL
QSTRT
ALRT#
C14
100nF
LED
LED1
WS2812B-B/W
DIN
VSS
VDD
DOUT
C15
100nF
LEDin
LEDout
J1
VL53L5CXMainBoard
3V3
GND
LPn1
LPn2
LPn3
LPn4
Connectors
CARD1
TF-110
DAT2
CD/DAT3
CMD
CLK
DAT0
DAT1
CD
SHELL
C20
100nF
J2
SPEAKER
OUTN
OUTP
J3
TOUCH
J4
5V
J7
LEDout
TITLE:
LightsaberAntimatter
REV: 1.0
Company: Your Company
Sheet: 1/1
Date: 2023-02-20
Drawn By: ThePizzaGuy1429
嘉立创EDA