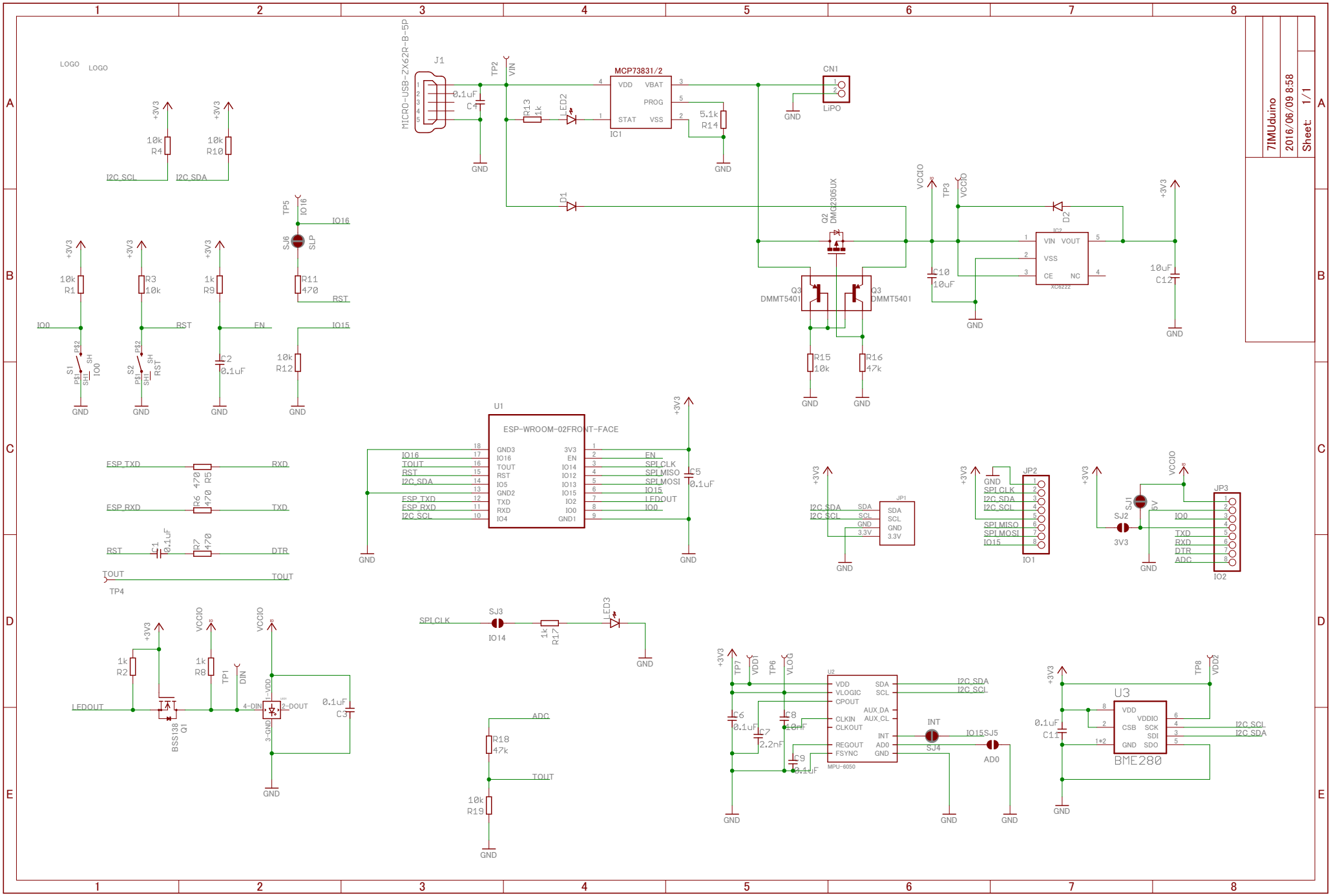
7IMUduino
2016/06/09 8:58
Sheet: 1/1
LOGO
LOGO
J1
MICRO-USB-ZX62R-B-5P
TP2
VIN
0.1uF
C4
R13
1k
LED2
MCP73831/2
VDD
VBAT
PROG
STAT
VSS
IC1
5.1k
R14
CN1
LiPO
GND
D1
Q2
DMG2305UX
Q3
DMMT5401
Q3
DMMT5401
R15
10k
R16
47k
VCCIO
TP3
C10
10uF
IC2
VIN
VOUT
VSS
CE
NC
XC6222
D2
10uF
C12
+3V3
10k
R4
10k
R10
I2C_SCL
I2C_SDA
TP5
IO16
SJ6
SLP
R11
470
RST
10k
R1
IO0
R3
10k
RST
1k
R9
EN
IO15
10k
R12
S1
S2
C2
0.1uF
U1
ESP-WROOM-02FRONT-FACE
GND3
IO16
TOUT
RST
IO5
GND2
TXD
RXD
IO4
3V3
EN
IO14
IO12
IO13
IO15
IO2
IO0
GND1
C5
0.1uF
ESP_TXD
RXD
ESP_RXD
TXD
RST
DTR
TOUT
TOUT
TP4
R6 470
R5 470
C1
0.1uF
R7
470
JP1
SDA
SCL
GND
3.3V
JP2
SPI_CLK
SPI_MISO
SPI_MOSI
IO1
SJ1
SJ2
3V3
5V
JP3
IO0
TXD
RXD
DTR
ADC
IO2
SJ3
IO14
1k
R17
LED3
1k
R2
1k
R8
TP1
DIN
LEDOUT
BSS138
Q1
1-VDD
4-DIN
2-DOUT
3-GND
0.1uF
C3
ADC
R18
47k
TOUT
10k
R19
U2
VDD
VLOGIC
CPOUT
CLKIN
CLKOUT
REGOUT
FSYNC
SDA
SCL
AUX_DA
AUX_CL
INT
AD0
GND
MPU-6050
TP7
VDD1
TP6
VLOG
C6
0.1uF
C7
2.2nF
C8
10nF
C9
0.1uF
INT
SJ4
IO15
SJ5
AD0
U3
VDD
VDDIO
CSB
SCK
SDI
GND
SDO
BME280
TP8
VDD2
0.1uF
C11
I2C_SCL
I2C_SDA