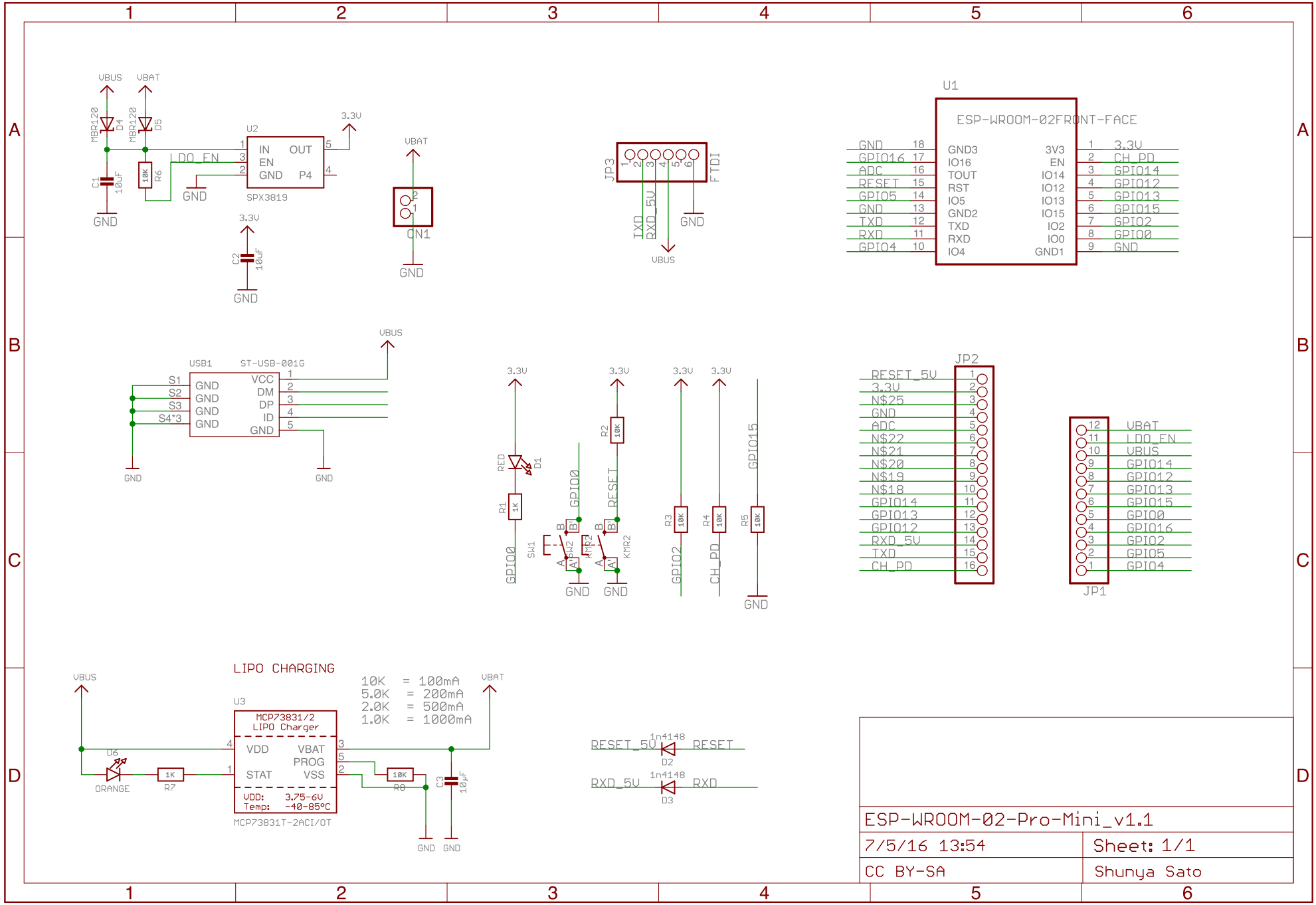
VBUS
VBAT
MBR120
D4
D5
C1
10uF
R6
10K
LDO_EN
GND
U2
IN
EN
GND
OUT
P4
SPX3819
3.3V
C2
10uF
CN1
JP3
FTDI
TXD
RXD_5V
U1
ESP-WROOM-02FRONT-FACE
GND3
IO16
TOUT
RST
IO5
GND2
TXD
RXD
IO4
3V3
EN
IO14
IO12
IO13
IO15
IO2
IO0
GND1
GND
GPIO16
ADC
RESET
GPIO5
GPIO4
CH_PD
GPIO14
GPIO12
GPIO13
GPIO15
GPIO2
GPIO0
USB1
ST-USB-001G
S1
S2
S3
S4*3
VCC
DM
DP
ID
RED
D1
R1
1K
R2
10K
R3
R4
R5
SW1
KMR2
RESET_5V
N$25
N$22
N$21
N$20
N$19
N$18
JP2
JP1
LIPO CHARGING
U3
MCP73831/2
LIPO Charger
VDD
STAT
VBAT
PROG
VSS
VDD: 3.75-6V
Temp: -40-85°C
MCP73831T-2ACI/OT
10K = 100mA
5.0K = 200mA
2.0K = 500mA
1.0K = 1000mA
D6
ORANGE
R7
R8
C3
10µF
1n4148
D2
D3
ESP-WROOM-02-Pro-Mini_v1.1
7/5/16 13:54
Sheet: 1/1
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Shunya Sato