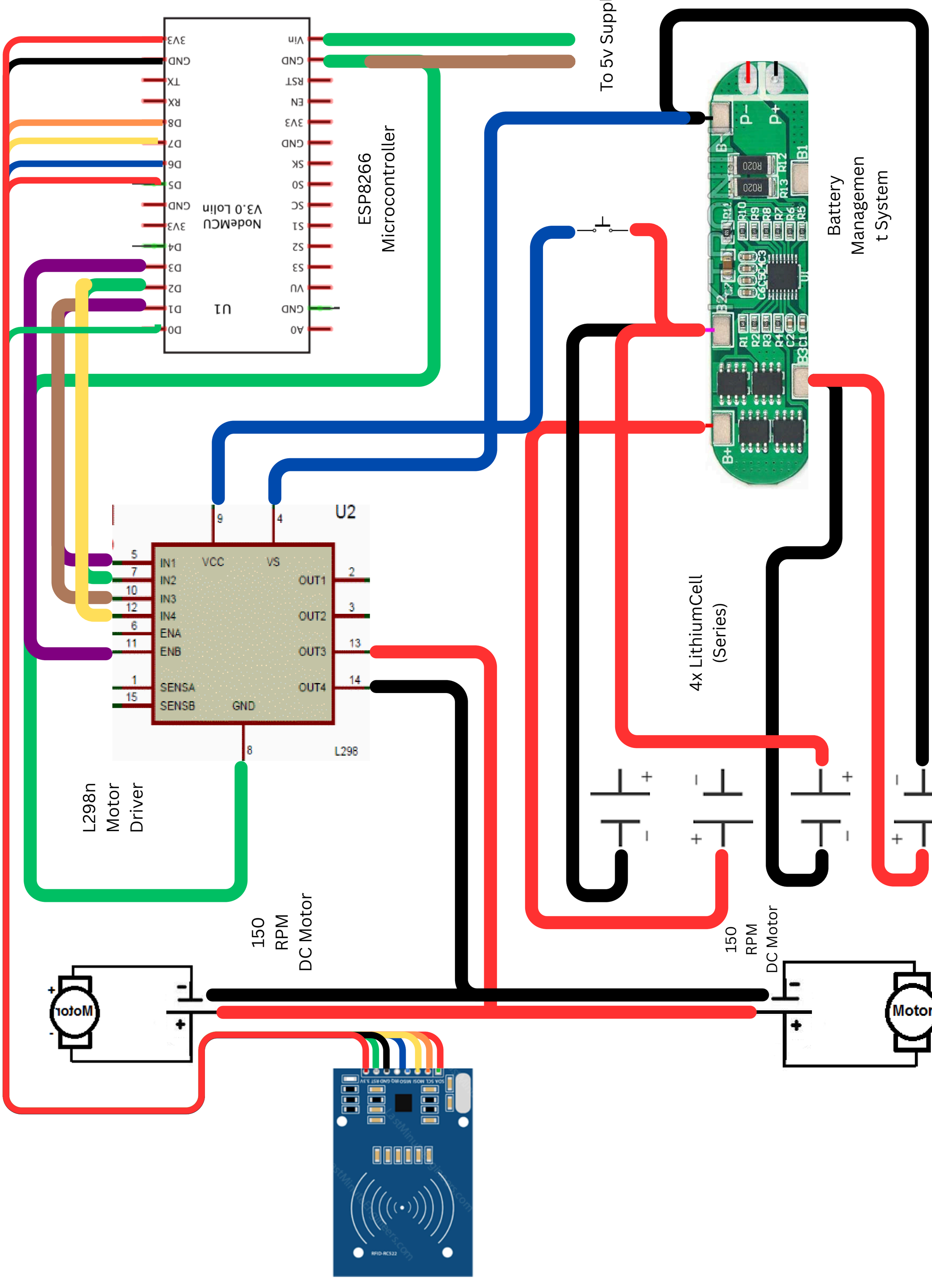
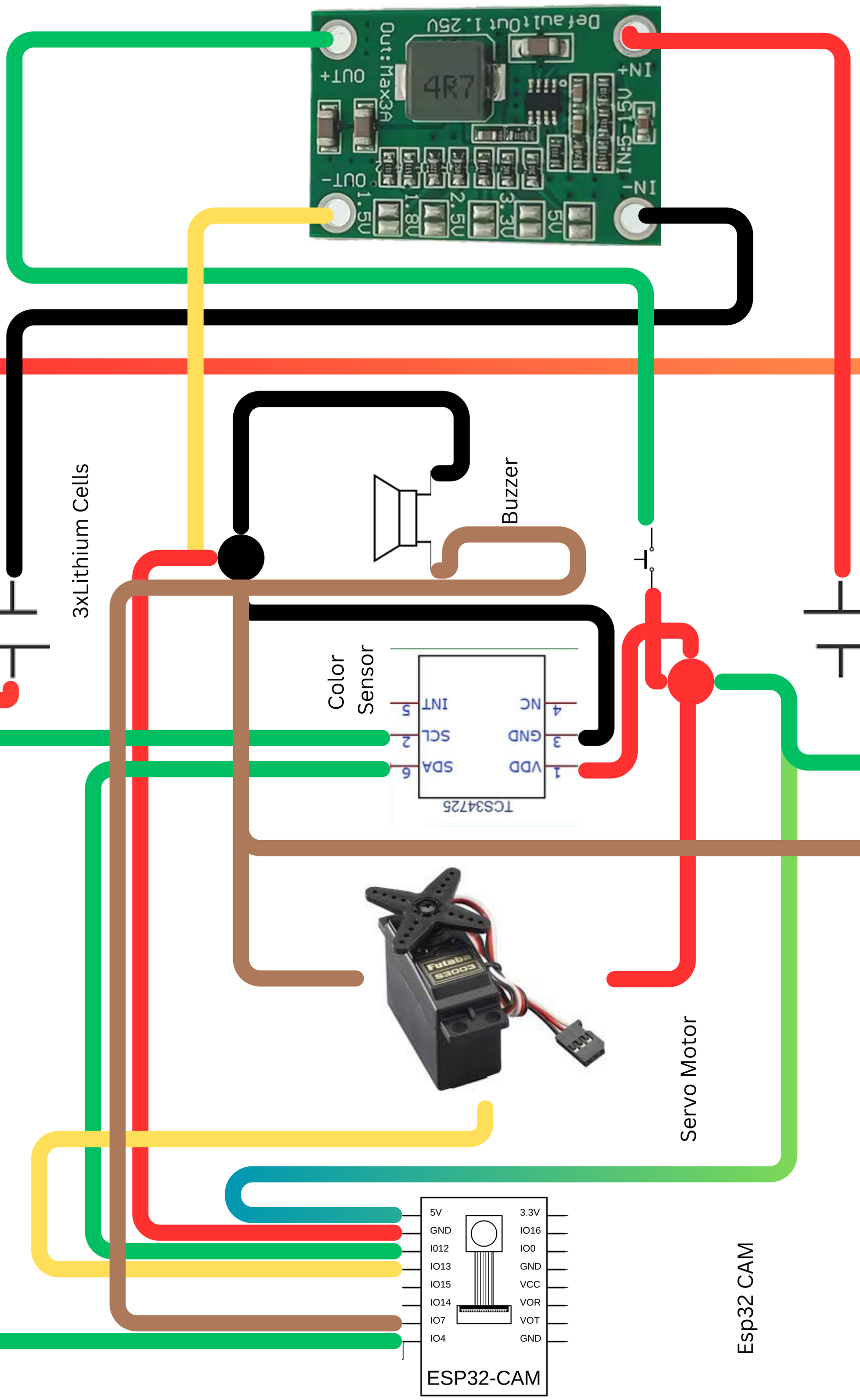
Schematic-1


To 5v Supply
ESP8266 Microcontroller
NodeMCU V3.0 Lolin
U1
Vin
GND
RST
EN
3V3
GND
SK
SO
SC
S1
S2
S3
VU
GND
A0
3V3
GND
TX
RX
D8
D7
D6
D5
GND
3V3
D4
D3
D2
D1
D0
Battery Managemen t System
P-
P+
B-
B1
B2
B3
B+
R020
R020
R13
R12
C6
C5
C3
R1
R2
R3
R4
C2
C1
U2
L298
IN1
IN2
IN3
IN4
ENA
ENB
SENSA
SENSB
VCC
VS
GND
OUT1
OUT2
OUT3
OUT4
L298n Motor Driver
4x LithiumCell (Series)
150 RPM DC Motor
150 RPM DC Motor
Motor
Motor
RFID-RC522

Schematic-2


Default Out 1.25V
Out:Max3A
OUT+
OUT-
4R7
IN+
IN-
5V-15V
1.5V
1.8V
2.5V
3.3V
5V
Voltage Regulator
3xLithium Cells
Buzzer
Color Sensor
INT
SCL
SDA
NC
GND
VDD
TCS34725
Towards ESP8266
Servo Motor
Futaba
S3003
5V
GND
I012
IO13
IO15
IO14
IO7
IO4
3.3V
IO16
IO0
GND
VCC
VOR
VOT
GND
ESP32-CAM
Esp32 CAM