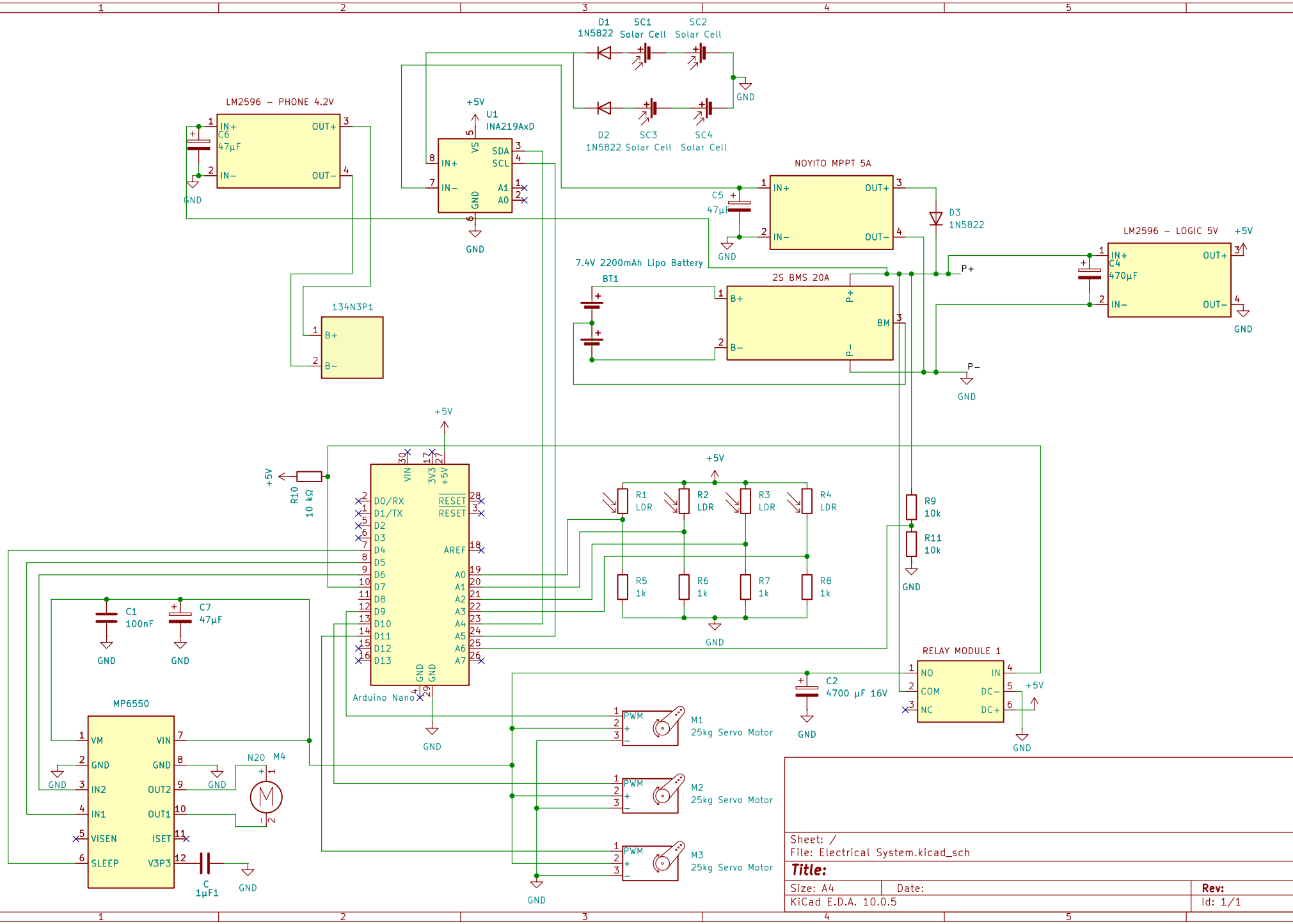

D1
1N5822
SC1
Solar Cell
SC2
Solar Cell
GND
D2
1N5822
SC3
Solar Cell
SC4
Solar Cell
LM2596 – PHONE 4.2V
IN+
IN–
OUT+
OUT–
C6
47µF
GND
+5V
U1
INA219AxD
VS
SDA
SCL
IN+
IN–
GND
A1
A0
GND
NOYITO MPPT 5A
C5
47µF
GND
D3
1N5822
P+
P–
GND
LM2596 – LOGIC 5V
+5V
C4
470µF
GND
7.4V 2200mAh Lipo Battery
BT1
2S BMS 20A
B+
B–
BM
134N3P1
B+
B–
+5V
R10
10 kΩ
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
GND
GND
Arduino Nano
+5V
R1
LDR
R2
LDR
R3
LDR
R4
LDR
R5
1k
R6
1k
R7
1k
R8
1k
GND
R9
10k
R11
10k
GND
C1
100nF
C7
47µF
GND
GND
RELAY MODULE 1
NO
COM
NC
IN
DC–
DC+
+5V
C2
4700 µF 16V
GND
GND
MP6550
VM
GND
IN2
IN1
VISEN
SLEEP
VIN
GND
OUT2
OUT1
ISET
V3P3
N20
M4
C
1µF1
GND
PWM
M1
25kg Servo Motor
PWM
M2
25kg Servo Motor
PWM
M3
25kg Servo Motor
GND
Sheet: /
File: Electrical System.kicad_sch
Title:
Size: A4
Date:
Rev:
KiCad E.D.A. 10.0.5
Id: 1/1