

AC IN
220VAC

AC-DC Power Supply

1N4007

D7

R7
10k

BAT1
12V

R8
1k

RL6
12V

D6

1N4007

R6
10k

Q6

2N2222

U2

7805

VI

GND

VO

C2

470uF

C1

470uF

VI

ADJ

VO

LM317T

R12

330

R13

560

C3

470uF

RL1
12V

D1

1N4007

R1
10k

Q1

2N2222

RL2
12V

D2

1N4007

R2
10k

Q2

2N2222

RL3
12V

D3

1N4007

R3
10k

Q3

2N2222

RL4
12V

D4

1N4007

R4
10k

Q4

2N2222

RL5
12V

D5

1N4007

R5
10k

Q5

2N2222

TR1

TRAN-2P3S

Q7

IRF3205

Q8

R9
10k

IRF3205

R10
10k

SG3525 IC

ESP01

R15
2.2k

U1

ATMEGA328P

2

3

4

5

6

11

12

13

21

20

AREF

AVCC

PB0/ICP1/CLKO/PCINT0

PB1/OC1A/PCINT1

PB2/SS/OC1B/PCINT2

PB3/MOSI/OC2A/PCINT3

PB4/MISO/PCINT4

PB5/SCK/PCINT5

PB6/TOSC1/XTAL1/PCINT6

PB7/TOSC2/XTAL2/PCINT7

PC0/ADC0/PCINT8

PC1/ADC1/PCINT9

PC2/ADC2/PCINT10

PC3/ADC3/PCINT11

PC4/ADC4/SDA/PCINT12

PC5/ADC5/SCL/PCINT13

PC6/RESET/PCINT14

14

15

16

17

18

19

9

10

23

24

25

26

27

28

1

L1

220V

L2

220V

L3

220V

L4

220V

L5

220V