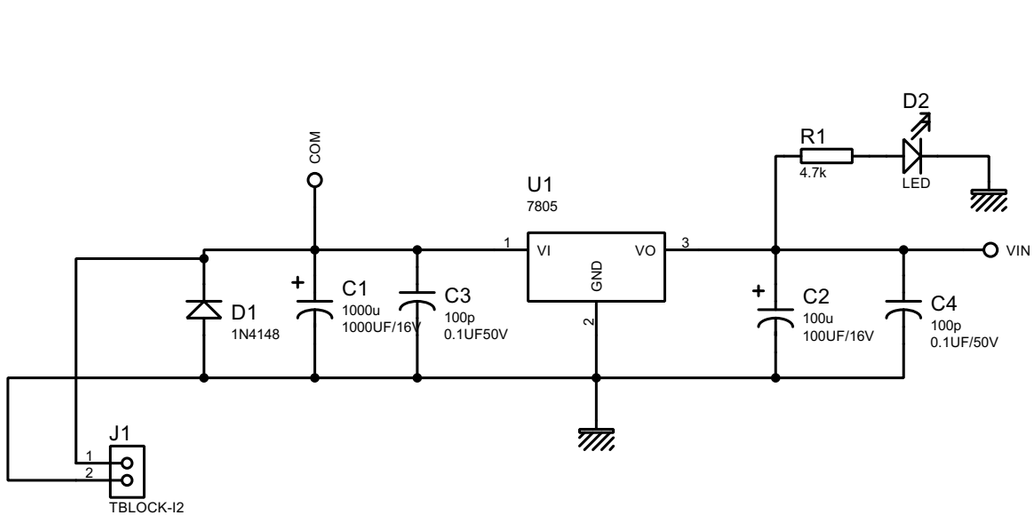
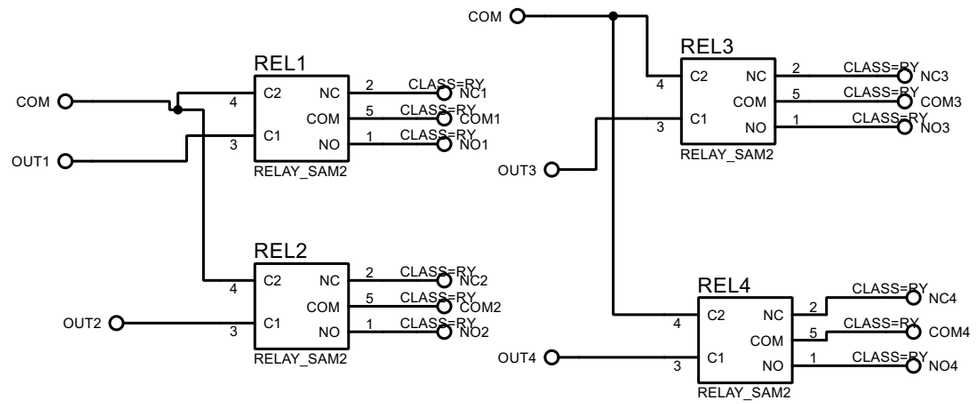
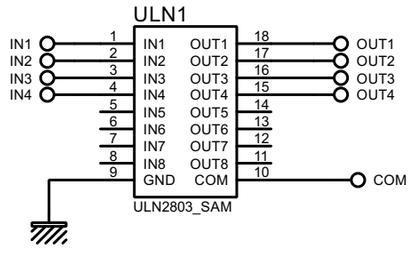
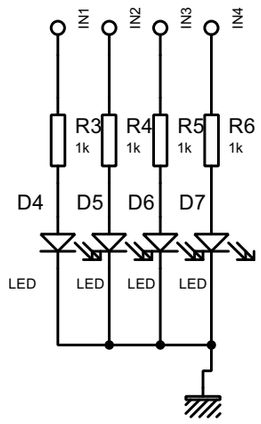
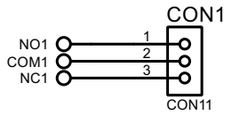
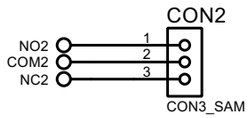

COM
U1
7805
VI
GND
VO
D2
R1
4.7k
LED
VIN
D1
1N4148
C1
1000u
1000UF/16V
C3
100p
0.1UF50V
C2
100u
100UF/16V
C4
100p
0.1UF/50V
J1
TBLOCK-I2

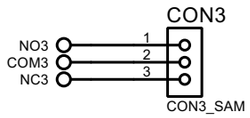

COM
REL1
REL2
REL3
REL4
RELAY_SAM2
OUT1
OUT2
OUT3
OUT4
C2 NC COM C1 NO
CLASS=RY
NC1
COM1
NO1
NC2
COM2
NO2
NC3
COM3
NO3
NC4
COM4
NO4

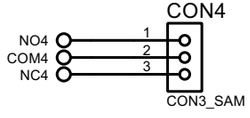

ULN1
ULN2803_SAM
IN1 IN2 IN3 IN4 IN5 IN6 IN7 IN8 GND
OUT1 OUT2 OUT3 OUT4 OUT5 OUT6 OUT7 OUT8 COM

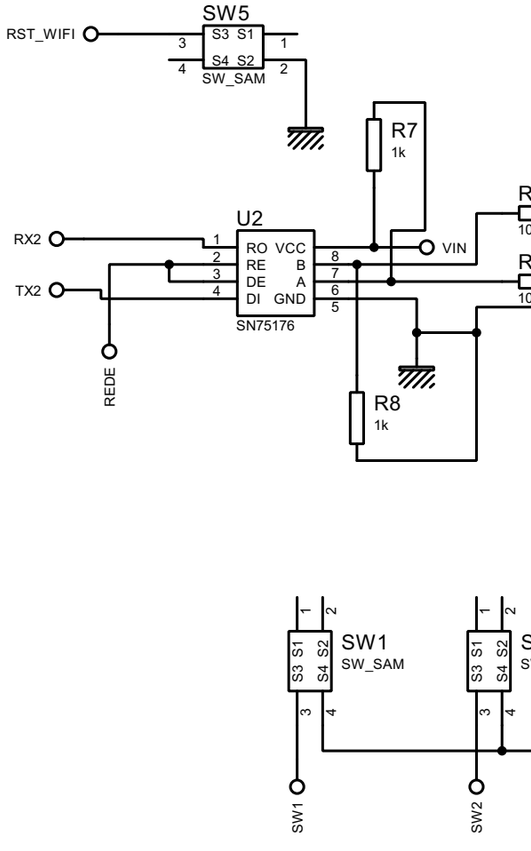

IN1 IN2 IN3 IN4
R3 R4 R5 R6
1k
D4 D5 D6 D7
LED

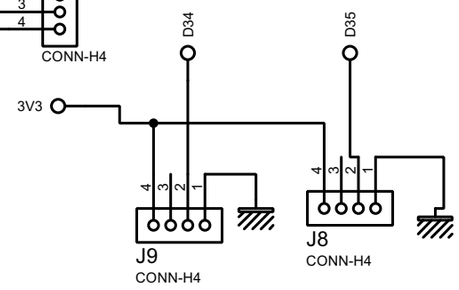

CON1
NO1
COM1
NC1
CON11

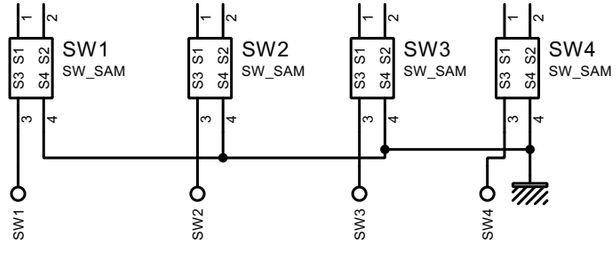

CON2
NO2
COM2
NC2
CON3_SAM

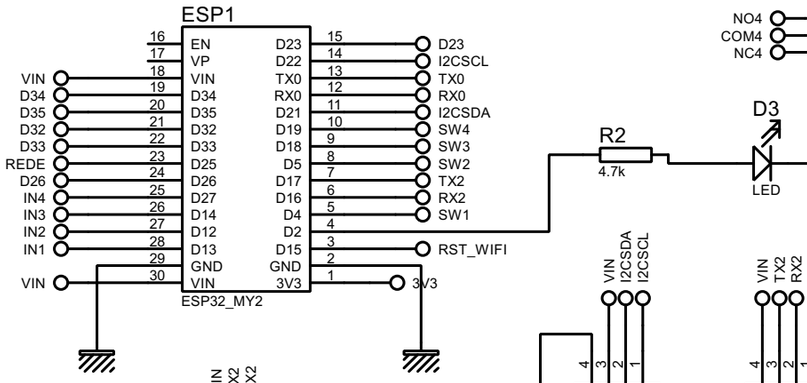

CON3
NO3
COM3
NC3
CON3_SAM

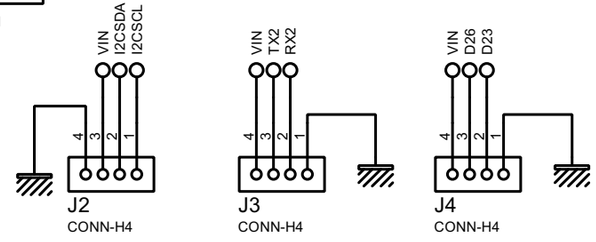

CON4
NO4
COM4
NC4
CON3_SAM

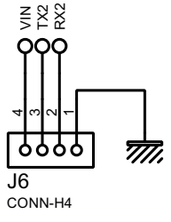

SW5
RST_WIFI
SW_SAM
R7
1k
U2
SN75176
RO VCC RE B DE A DI GND
RX2
TX2
REDE
VIN
R9
10
R10
10
R11
120
RS485
CONN-H4
R8
1k


COM
D34
D35
3V3
J9
J8
CONN-H4


SW1
SW2
SW3
SW4
SW_SAM
S3 S1 S4 S2


ESP1
ESP32_MY2
EN VP VIN D34 D35 D32 D33 D25 D26 D27 D14 D12 D13 GND VIN
D23 D22 TX0 RX0 D21 D19 D18 D5 D17 D16 D4 D2 D15 GND 3V3
D23 I2CSCL TX0 RX0 I2CSDA SW4 SW3 SW2 TX2 RX2 SW1 RST_WIFI 3V3
R2
4.7k
D3
LED


VIN I2CSDA I2CSCL
VIN TX2 RX2
VIN D26 D23
J2
J3
J4
CONN-H4


VIN TX2 RX2
J6
CONN-H4