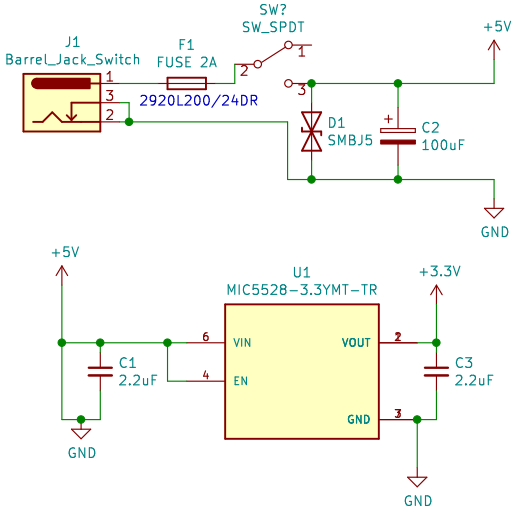
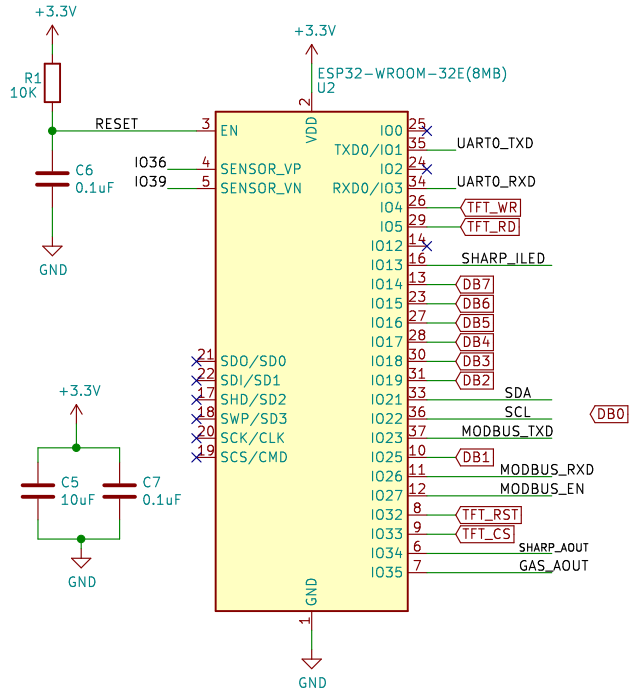
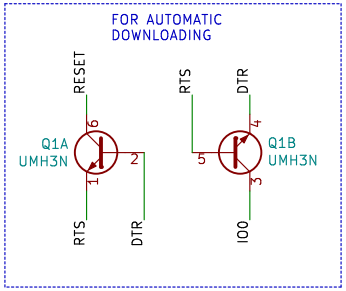
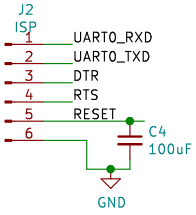
DC POWER INPUT

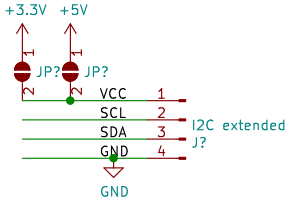


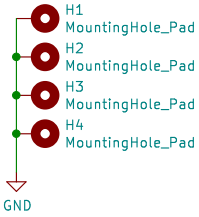
ESP32 CIRCUIT

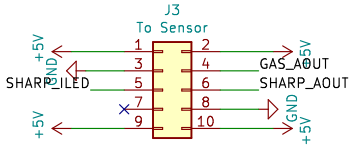


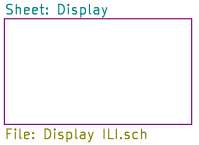


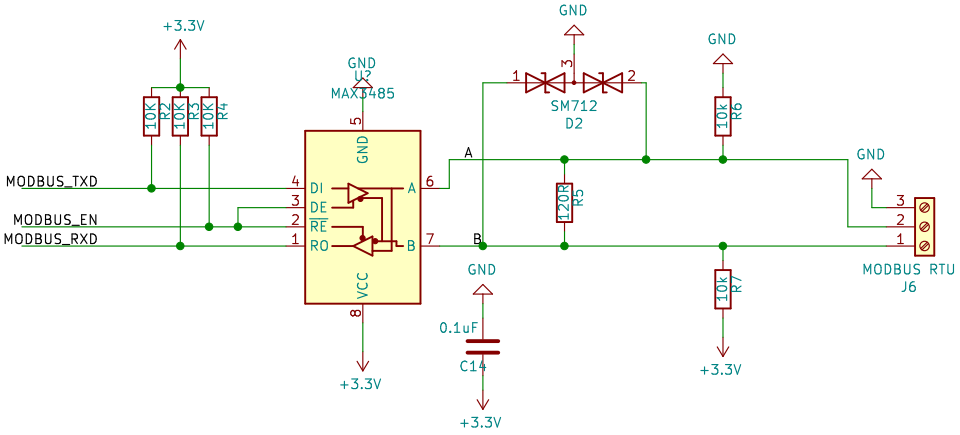




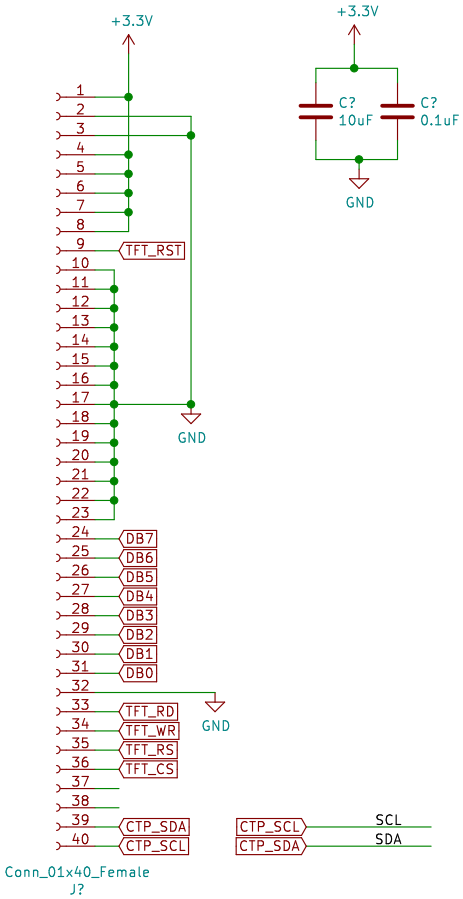







+3.3V
GND
U2
MAX3485
10k
R2
10k
R3
10k
R4
MODBUS_TXD
MODBUS_EN
MODBUS_RXD
4
3
2
1
DI
DE
RE
RO
5
GND
8
VCC
6
A
7
B
+3.3V
GND
SM712
D2
3
1
2
A
B
120R
R5
GND
10k
R6
10k
R7
+3.3V
GND
0.1uF
C14
+3.3V
GND
3
2
1
MODBUS RTU
J6

MODBUS RTU


+3.3V
1
2
3
4
5
6
7
8
9
TFT_RST
10
11
12
13
14
15
16
17
18
19
20
21
22
23
GND
24
DB7
25
DB6
26
DB5
27
DB4
28
DB3
29
DB2
30
DB1
31
DB0
32
GND
33
TFT_RD
34
TFT_WR
35
TFT_RS
36
TFT_CS
37
38
39
CTP_SDA
40
CTP_SCL
Conn_01x40_Female
J?
+3.3V
C?
10uF
C?
0.1uF
GND
CTP_SCL
SCL
CTP_SDA
SDA