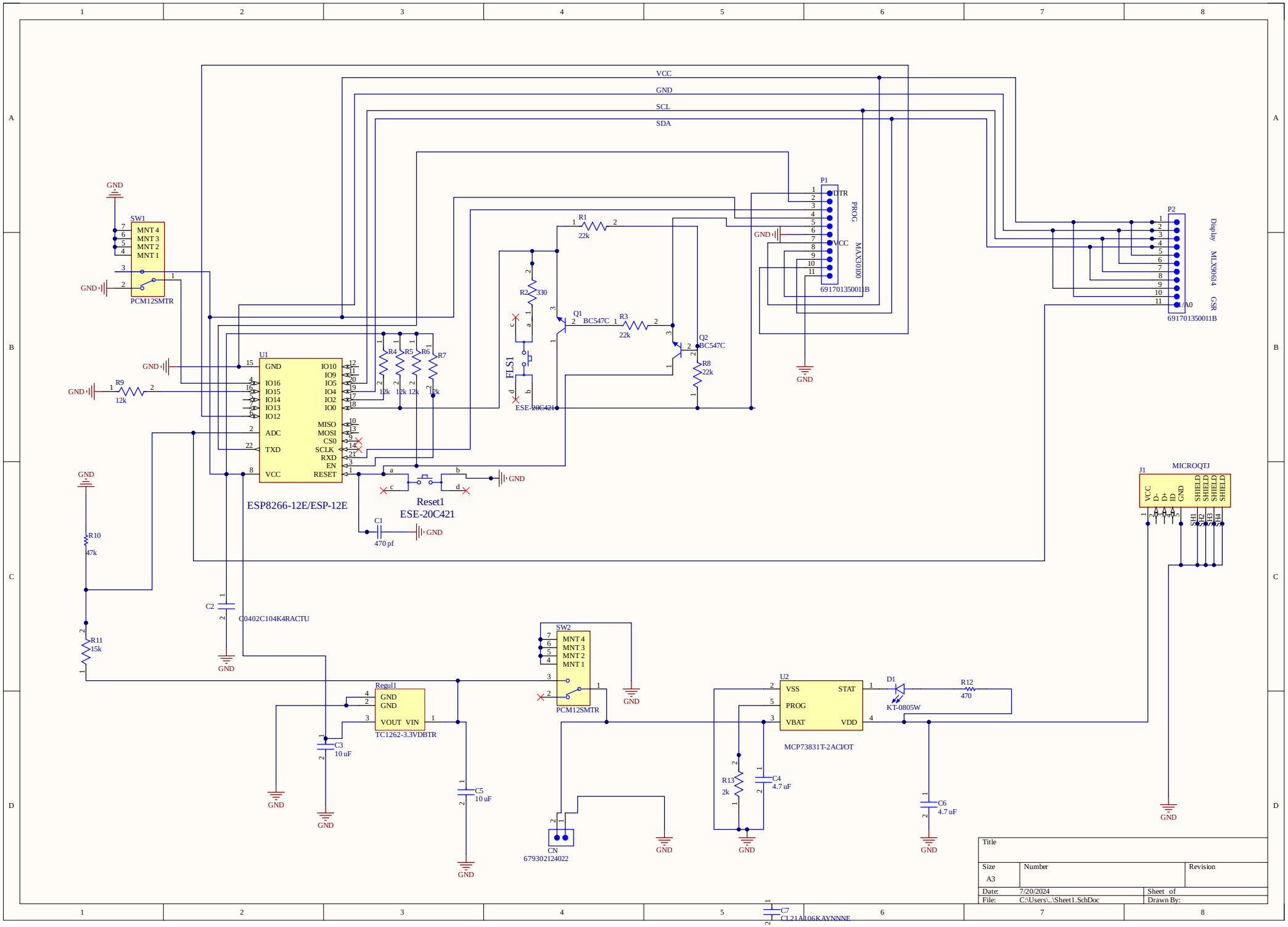
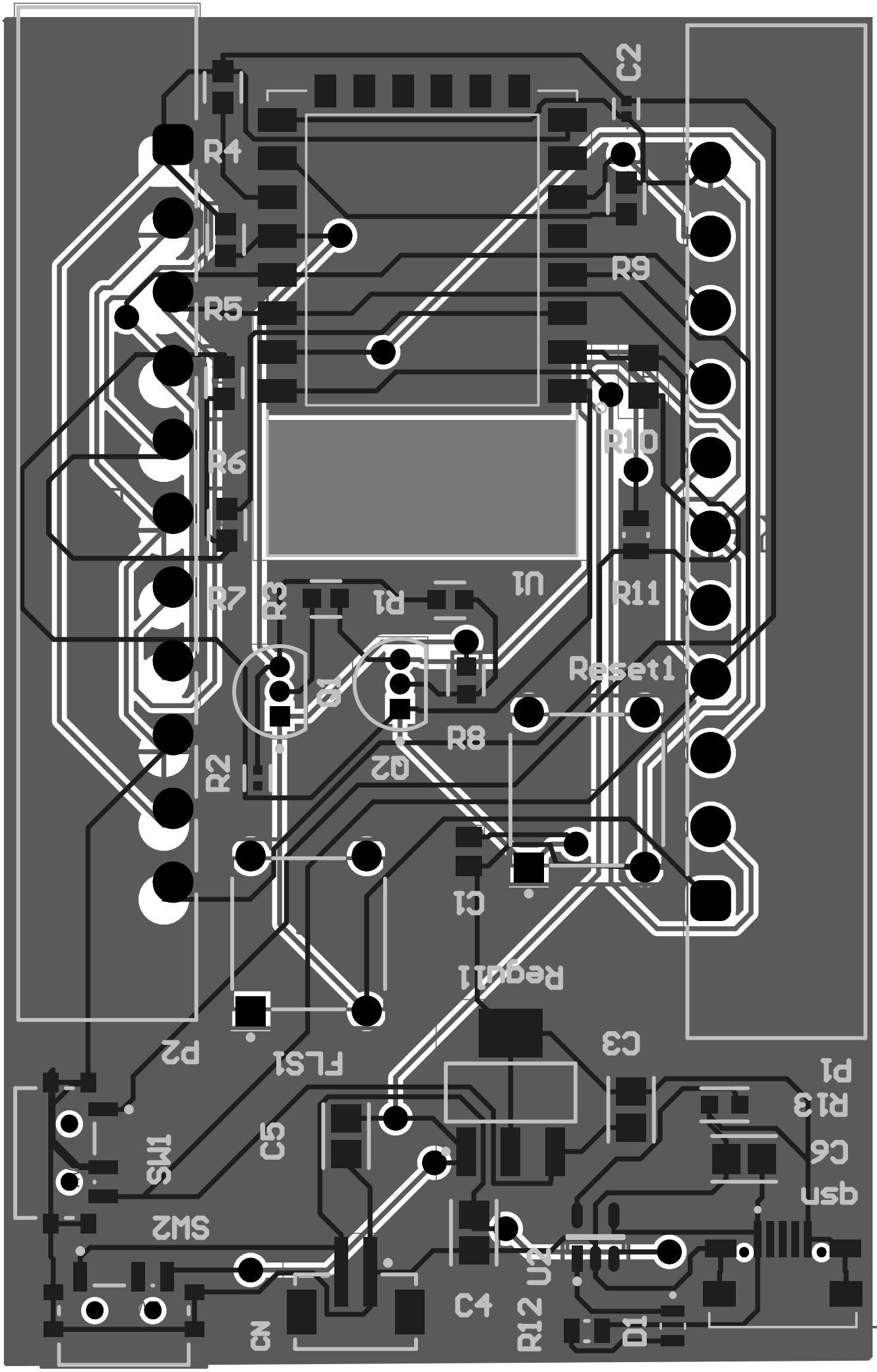

VCC
GND
SCL
SDA
SW1
MNT 4
MNT 3
MNT 2
MNT 1
PCM12SMTR
U1
ESP8266-12E/ESP-12E
GND
IO10
IO9
IO5
IO4
IO2
IO0
IO16
IO15
IO14
IO13
IO12
ADC
TXD
VCC
MISO
MOSI
CS0
SCLK
RXD
EN
RESET
R1
22k
R2
330
R3
22k
R4
12k
R5
12k
R6
12k
R7
12k
R8
22k
R9
12k
R10
47k
R11
15k
Q1
BC547C
Q2
BC547C
FLS1
ESE-20C421
Reset1
ESE-20C421
C1
470 pf
C2
C0402C104K4RACTU
P1
DTR
VCC
PROG
MAX3010
691701350011B
P2
Display
MLX90614
GSR
A0
691701350011B
J1
MICROQTJ
VCC
D-
D+
ID
GND
SHELD
SHELD
SHELD
SHELD
SH1
SH2
SH3
SH4
SW2
MNT 4
MNT 3
MNT 2
MNT 1
PCM12SMTR
Regul1
GND
GND
VOUT
VIN
TC1262-3.3VDBTR
C3
10 uF
C5
10 uF
CN
679302124022
U2
VSS
PROG
VBAT
STAT
VDD
MCP73831T-2ACI/OT
D1
KT-0805W
R12
470
R13
2k
C4
4.7 uF
C6
4.7 uF
C7
CL21A106KAYNNNE
Title
Size
A3
Number
Revision
Date: 7/20/2024
File: C:\Users\..\Sheet1.SchDoc
Sheet of
Drawn By:


C2
R4
R9
R5
R10
R6
R11
U1
R7
R3
R1
Reset1
Q1
R8
Q2
R2
C1
Regul1
C3
P2
FLS1
P1
R13
SW1
C5
C6
qsn
SW2
U2
C4
R12
D1
CN

Board Stack Report