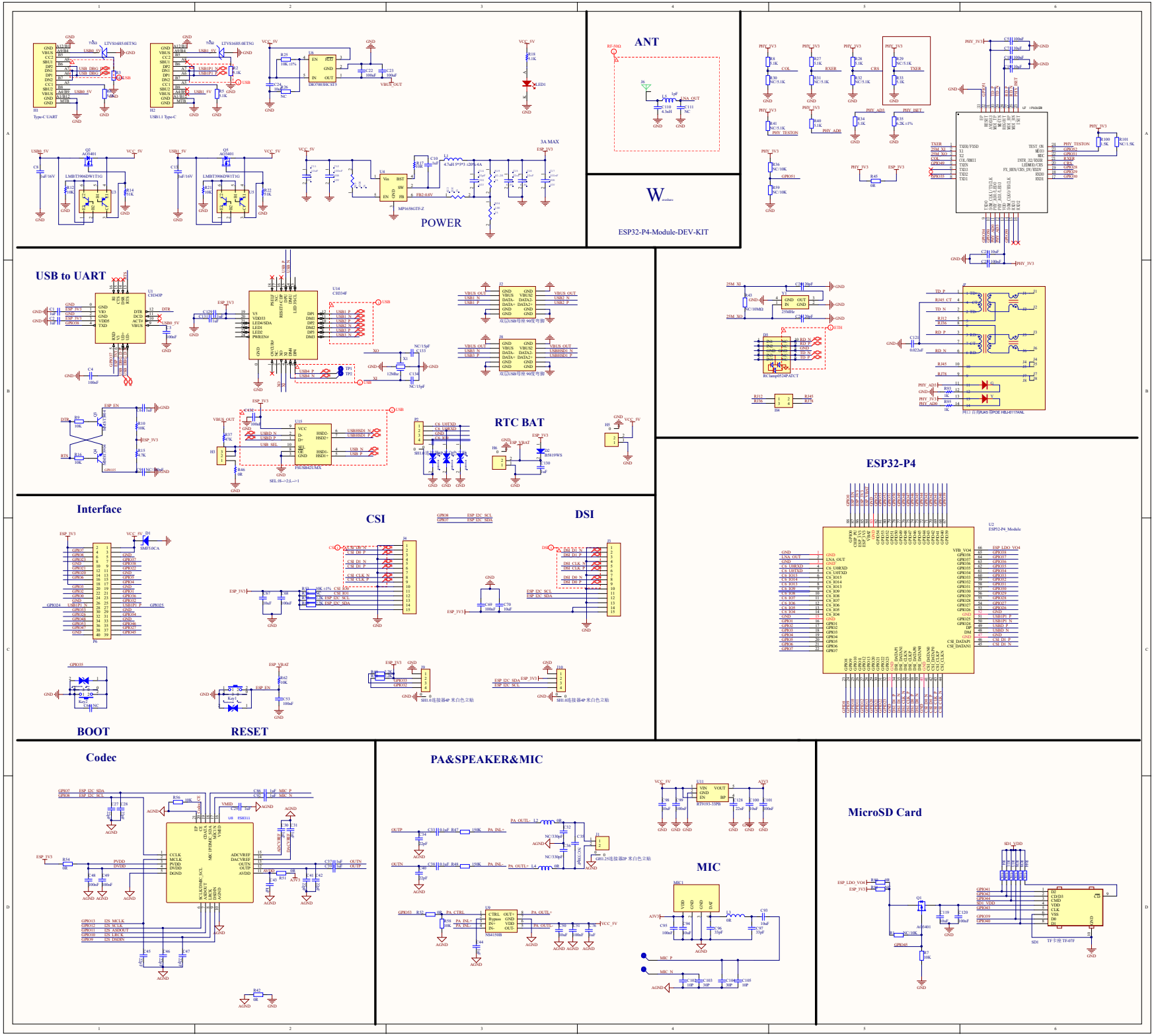
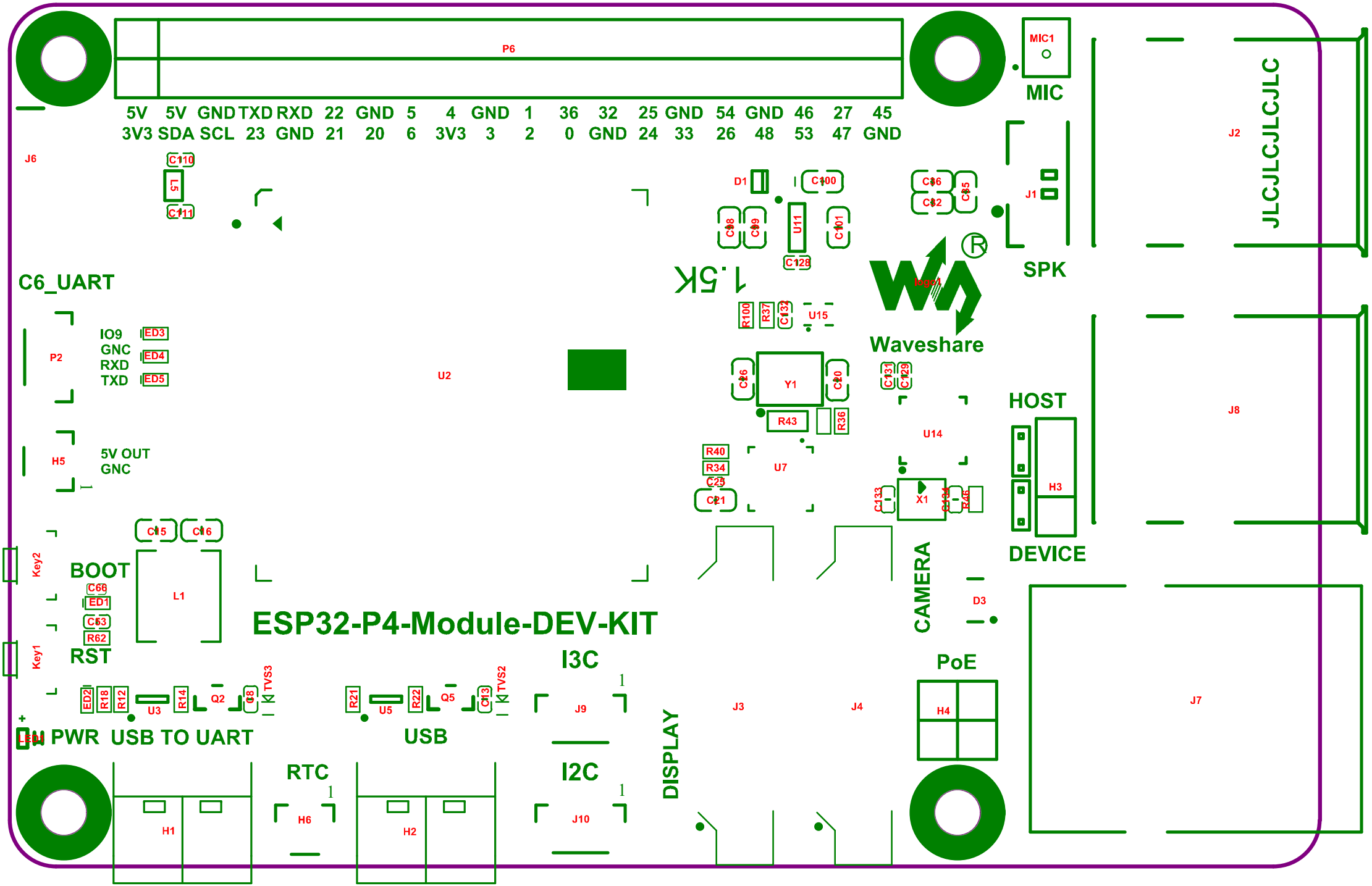
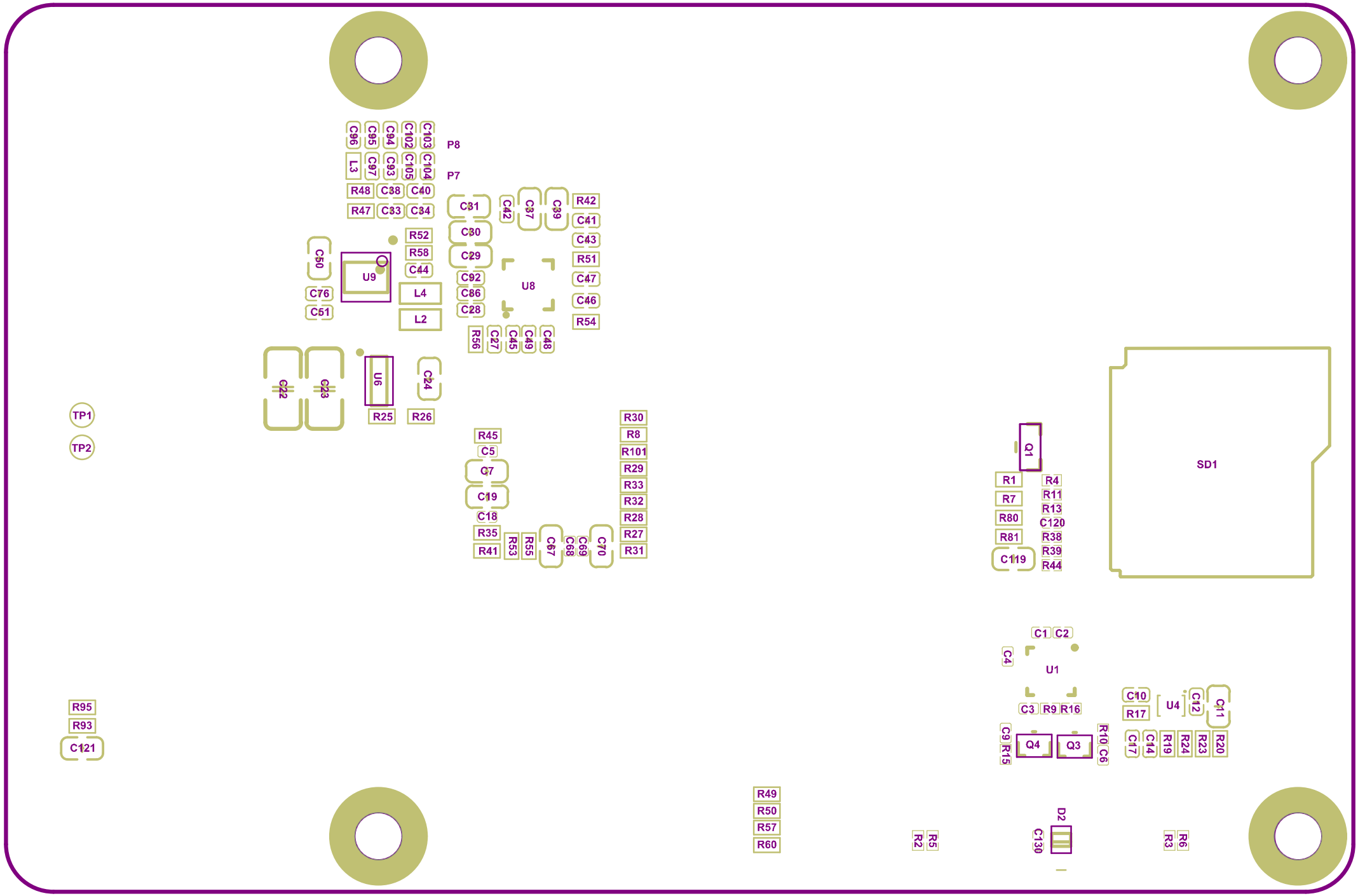

ANT
RF-50Ω
ESP32-P4-Module-DEV-KIT
POWER
USB to UART
RTC BAT
Interface
CSI
DSI
ESP32-P4
BOOT
RESET
Codec
PA&SPEAKER&MIC
MIC
MicroSD Card


P6
5V 5V GND TXD RXD 22 GND 5 4 GND 1 36 32 25 GND 54 GND 46 27 45
3V3 SDA SCL 23 GND 21 20 6 3V3 3 2 0 GND 24 33 26 48 53 47 GND
MIC1
MIC
SPK
J1
J2
JLCJLCJLCJLC
J6
C110
L5
C111
D1
C100
C98
C99
U11
C101
C128
1.5K
C96
C95
C92
C6_UART
IO9
GNC
RXD
TXD
ED3
ED4
ED5
P2
U2
R100
R37
C132
U15
Waveshare
C86
Y1
C90
C131
C129
R43
R36
HOST
J8
H5
5V OUT
GNC
R40
R34
C25
C21
U7
U14
X1
C133
C134
R46
H3
DEVICE
C65
C66
BOOT
Key2
L1
C66
ED1
C63
R62
RST
Key1
CAMERA
D3
ESP32-P4-Module-DEV-KIT
I3C
PoE
ED2
R18
R12
U3
R14
Q2
C8
TVS3
R21
U5
R22
Q5
C13
TVS2
J9
J3
J4
H4
J7
LED1
PWR
USB TO UART
USB
DISPLAY
RTC
I2C
H1
H6
H2
J10


C96
C95
C94
C102
C103
P8
L3
C97
C93
C105
C104
P7
R48
C38
C40
R47
C33
C34
C31
C42
C37
C39
R42
C30
R41
C43
C29
R51
C92
C47
C86
C46
C28
R54
R56
C27
C45
C49
C48
R52
R58
C44
C50
U9
C76
C51
L4
L2
U8
C22
C23
U6
C24
R25
R26
TP1
TP2
R45
C5
C7
C19
C18
R35
R41
R53
R55
C67
C68
C69
C70
R30
R8
R101
R29
R33
R32
R28
R27
R31
Q1
R1
R7
R80
R81
C119
R4
R11
R13
C120
R38
R39
R44
SD1
C1
C2
C4
U1
C3
R9
R16
C9
R15
Q4
Q3
R10
C6
C10
R17
U4
C12
C11
C17
C14
R19
R24
R23
R20
R95
R93
C121
R49
R50
R57
R60
R2
R5
D2
C130
R3
R6