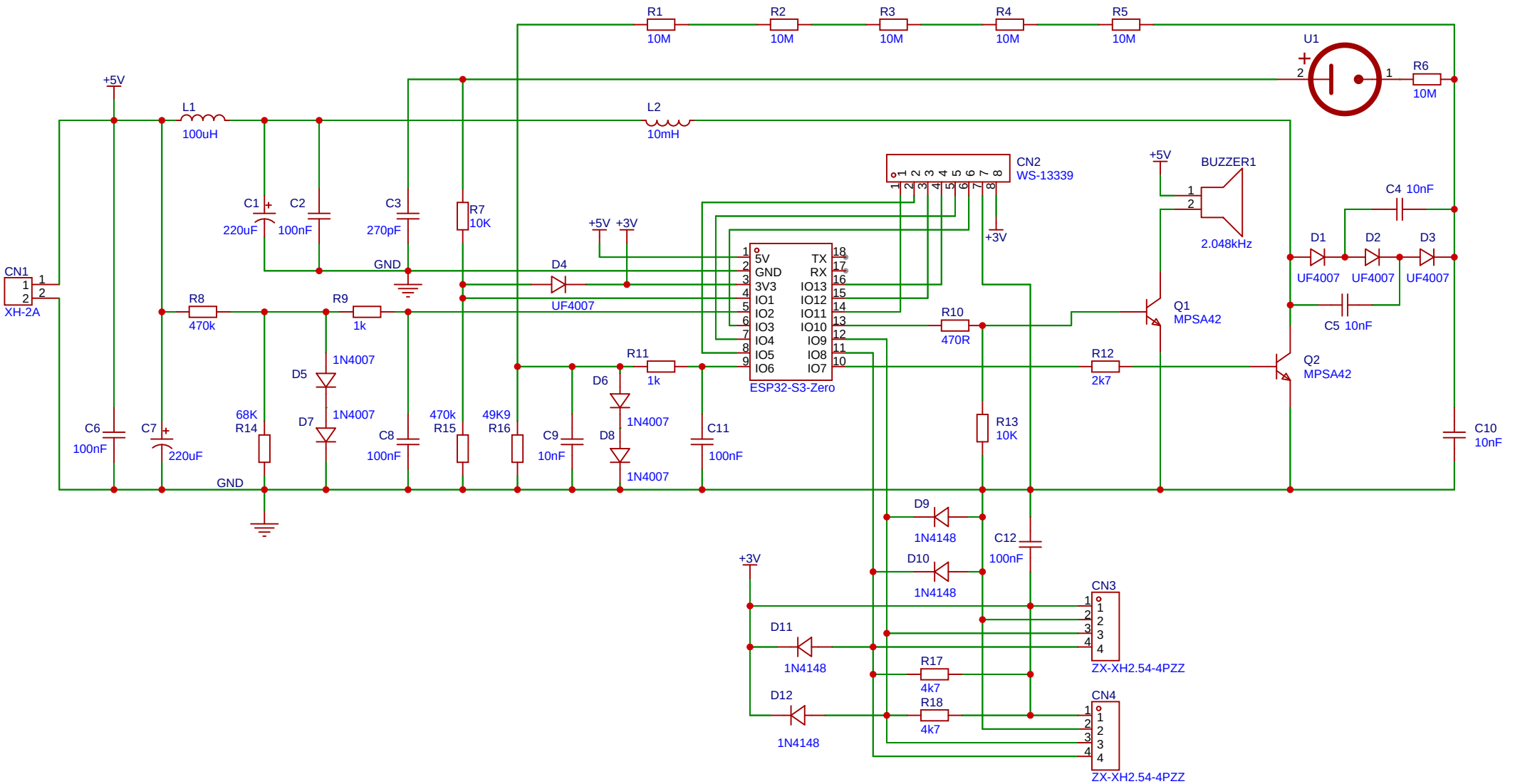
R1
10M
R2
10M
R3
10M
R4
10M
R5
10M
U1
R6
10M
+5V
L1
100uH
L2
10mH
C1
220uF
C2
100nF
C3
270pF
R7
10K
GND
D4
UF4007
+5V
+3V
CN2
WS-13339
+3V
BUZZER1
2.048kHz
+5V
C4 10nF
D1
D2
D3
UF4007
UF4007
UF4007
C5 10nF
CN1
XH-2A
R8
470k
R9
1k
1N4007
D5
D7
1N4007
68K
R14
470k
R15
49K9
R16
C6
100nF
C7
220uF
C8
100nF
C9
10nF
D6
D8
1N4007
1N4007
R11
1k
C11
100nF
5V
GND
3V3
IO1
IO2
IO3
IO4
IO5
IO6
TX
RX
IO13
IO12
IO11
IO10
IO9
IO8
IO7
ESP32-S3-Zero
R10
470R
Q1
MPSA42
R12
2k7
Q2
MPSA42
R13
10K
C10
10nF
D9
1N4148
C12
100nF
+3V
D10
1N4148
CN3
ZX-XH2.54-4PZZ
D11
1N4148
R17
4k7
D12
1N4148
R18
4k7
CN4
ZX-XH2.54-4PZZ