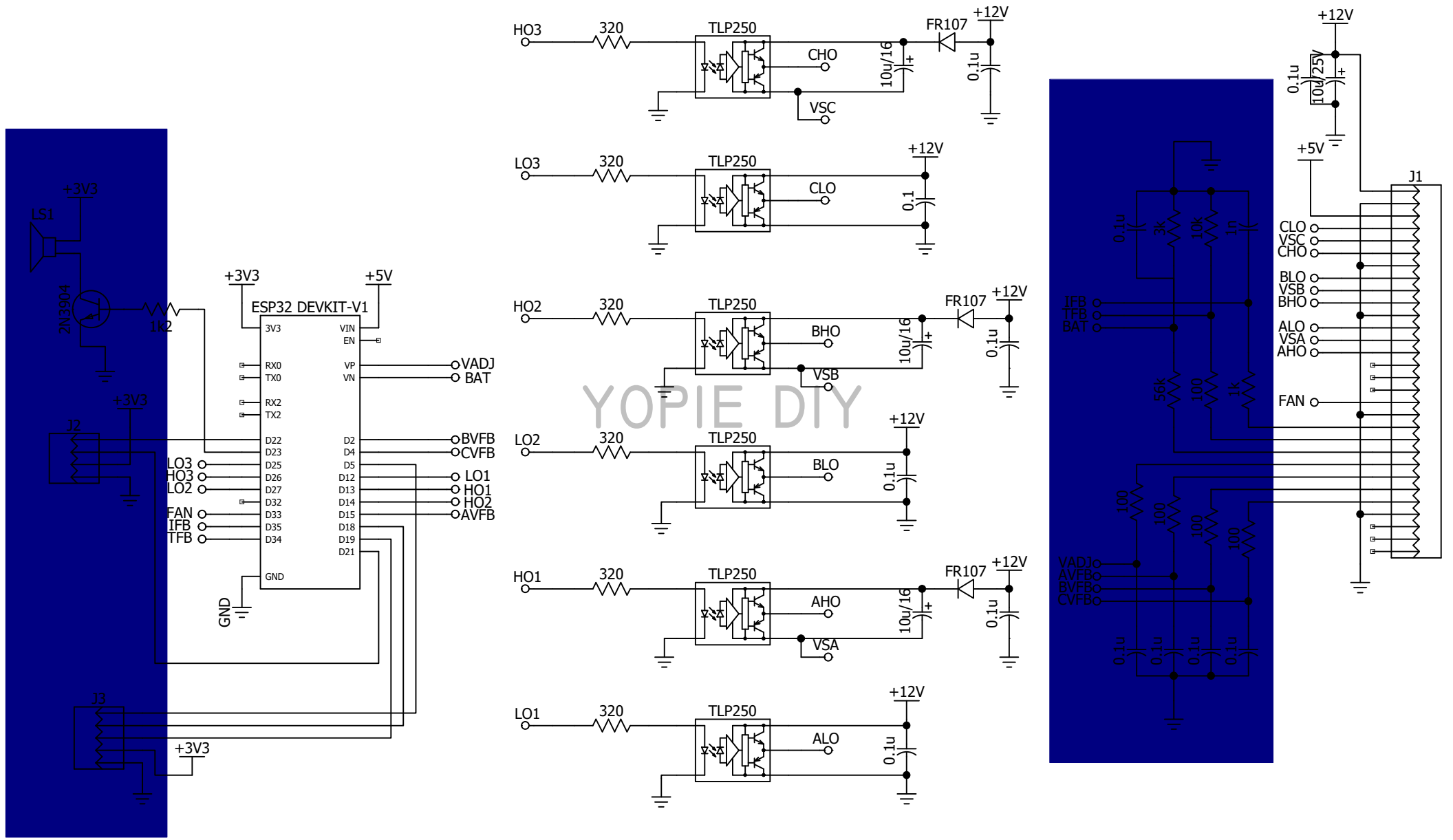
+3V3
LS1
2N3904
1k2
+3V3
J2
+3V3
+5V
ESP32 DEVKIT-V1
3V3
VIN
EN
RX0
TX0
VP
VN
VADJ
BAT
RX2
TX2
D22
D23
D25
D26
D27
D32
D33
D35
D34
D2
D4
D5
D12
D13
D14
D15
D18
D19
D21
BVFB
CVFB
LO3
HO3
LO2
LO1
HO1
HO2
AVFB
FAN
IFB
TFB
GND
GND
J3
+3V3
HO3
320
TLP250
CHO
VSC
10u/16
FR107
+12V
0.1u
LO3
320
TLP250
CLO
+12V
0.1
HO2
320
TLP250
BHO
VSB
10u/16
FR107
+12V
0.1u
LO2
320
TLP250
BLO
+12V
0.1u
HO1
320
TLP250
AHO
VSA
10u/16
FR107
+12V
0.1u
LO1
320
TLP250
ALO
+12V
0.1u
YOPIE DIY
+12V
0.1u
10u/25V
+5V
J1
0.1u
3k
10k
1n
IFB
TFB
BAT
CLO
VSC
CHO
BLO
VSB
BHO
ALO
VSA
AHO
56k
100
1k
FAN
100
100
100
100
VADJ
AVFB
BVFB
CVFB
0.1u
0.1u
0.1u
0.1u