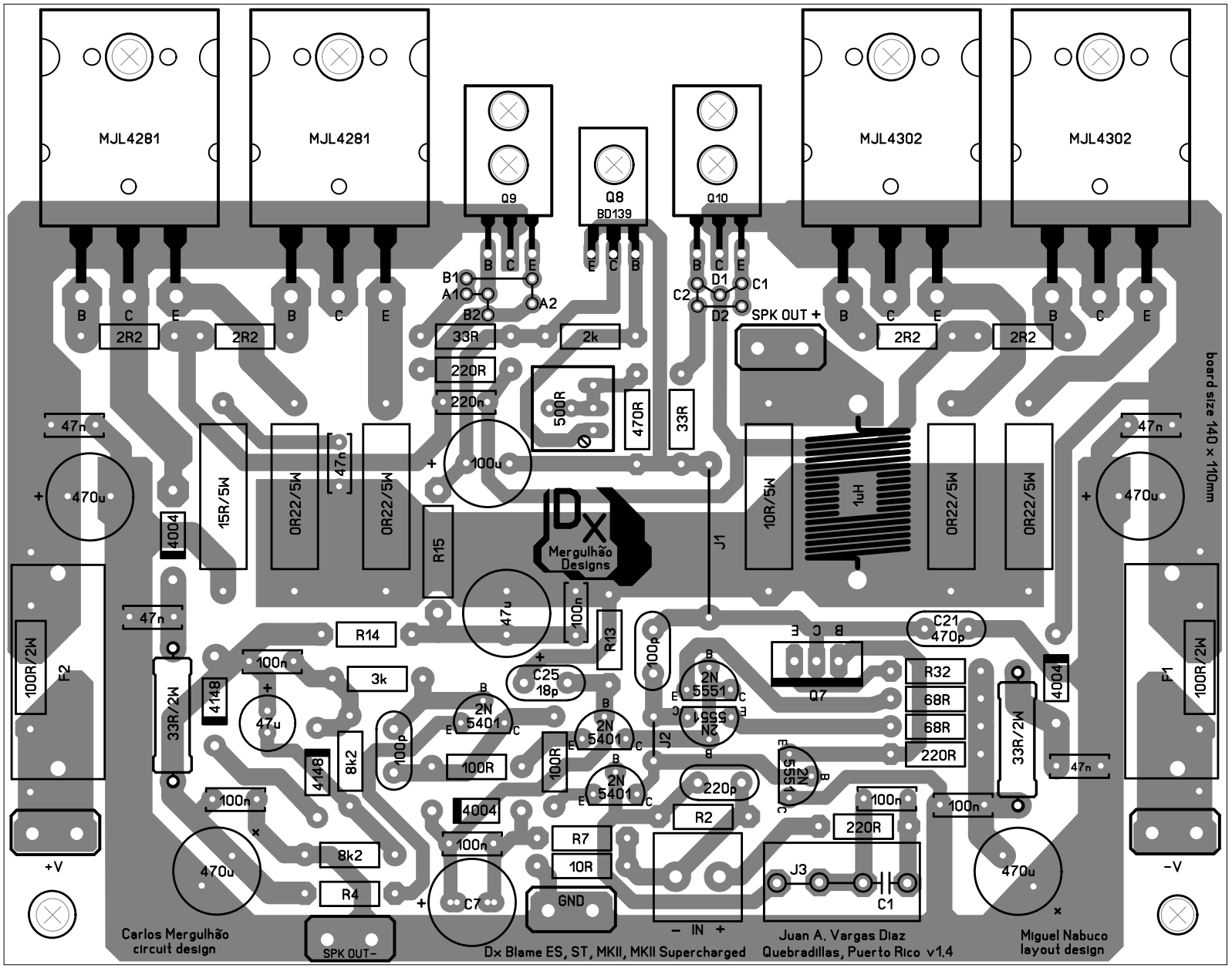
MJL4281
MJL4281
Q9
Q8
BD139
Q10
MJL4302
MJL4302
B1
A1
B2
A2
C2
D1
D2
C1
SPK OUT +
2R2
2R2
2R2
2R2
33R
220R
220n
2k
500R
470R
33R
47n
470u
100u
15R/5W
0R22/5W
0R22/5W
10R/5W
1uH
0R22/5W
0R22/5W
47n
470u
4004
R15
Dx
Mergulhão
Designs
J1
47u
100n
R13
100p
C21
470p
R14
100R/2W
F2
F1
100R/2W
100n
3k
C25
18p
2N
5551
Q7
R32
68R
68R
220R
33R/2W
4148
47u
2N
5401
2N
5401
2N
5551
J2
33R/2W
4004
47n
100p
100R
100R
4148
8k2
2N
5401
220p
2N
5551
100n
100n
100n
4004
R2
220R
100n
R7
10R
8k2
470u
470u
J3
C1
R4
C7
GND
+V
-V
SPK OUT-
- IN +
Carlos Mergulhão
circuit design
Dx Blame ES, ST, MKII, MKII Supercharged
Juan A. Vargas Diaz
Quebradillas, Puerto Rico v1.4
Miguel Nabuco
layout design
board size 140 x 110mm