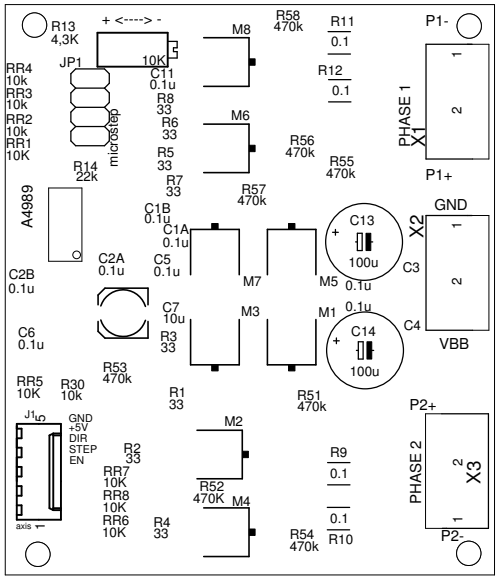

R13
4,3K
+ <----> -
10K
JP1
RR4
10k
RR3
10k
RR2
10k
RR1
10K
microstep
R14
22k
A4989
C11
0.1u
R8
33
R6
33
R5
33
R7
33
C1B
0.1u
C1A
0.1u
C5
0.1u
C2A
0.1u
C2B
0.1u
C7
10u
R3
33
C6
0.1u
R53
470k
RR5
10K
R30
10k
R1
33
J1
GND
+5V
DIR
STEP
EN
axis 1
R2
33
RR7
10K
RR8
10K
RR6
10K
R4
33
M8
M6
M7
M5
M3
M1
M2
M4
R58
470k
R56
470k
R57
470k
R51
470k
R52
470K
R54
470k
R11
0.1
R12
0.1
R55
470k
C13
100u
C14
100u
C3
0.1u
C4
0.1u
R9
0.1
R10
0.1
P1-
PHASE 1
X1
P1+
GND
X2
VBB
P2+
PHASE 2
X3
P2-