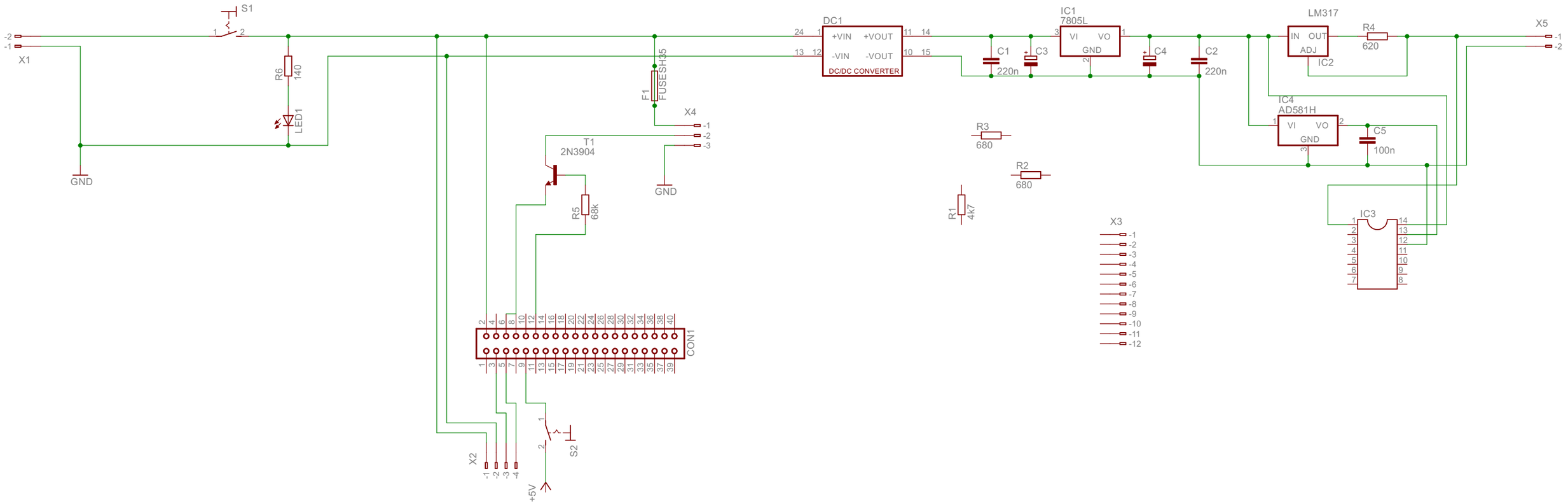

S1
X1
-2
-1
GND
R6
140
LED1
F1
FUSESH35
DC1
+VIN
+VOUT
-VIN
-VOUT
DC/DC CONVERTER
24
1
13
12
11
14
10
15
C1
220n
C3
IC1
7805L
VI
VO
GND
3
1
2
C4
C2
220n
LM317
IN
OUT
ADJ
IC2
R4
620
X5
-1
-2
IC4
AD581H
VI
VO
GND
C5
100n
X4
-1
-2
-3
GND
T1
2N3904
R5
68k
R3
680
R2
680
R1
4k7
X3
-1
-2
-3
-4
-5
-6
-7
-8
-9
-10
-11
-12
IC3
CON1
X2
-1
-2
-3
-4
+5V
S2