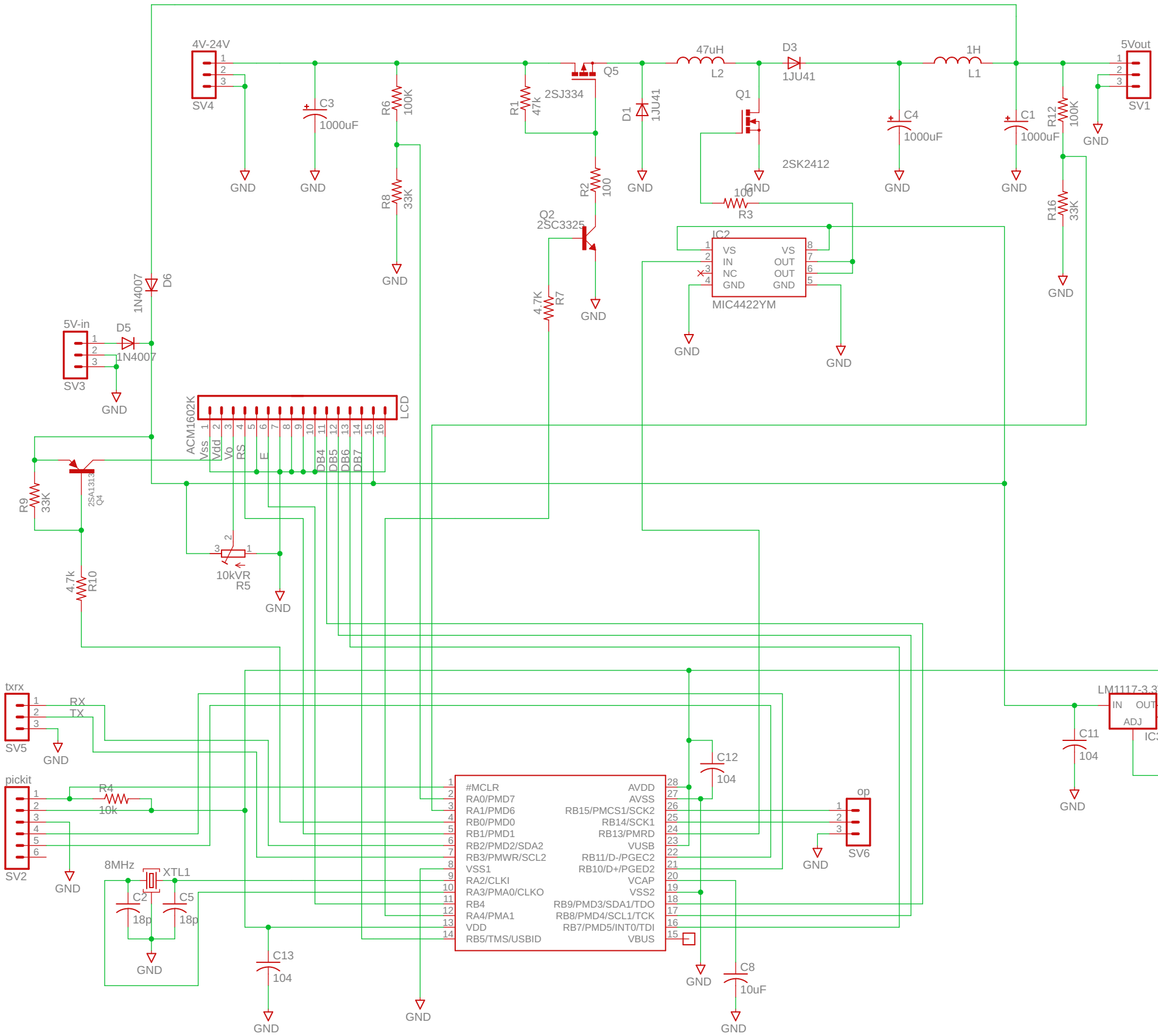
4V-24V
SV4
C3
1000uF
R6
100K
R8
33K
R1
47k
Q5
2SJ334
R2
100
Q2
2SC3325
4.7K
R7
D1
1JU41
47uH
L2
Q1
2SK2412
100
R3
D3
1JU41
C4
1000uF
1H
L1
C1
1000uF
R12
100K
R16
33K
5Vout
SV1
GND
IC2
VS
IN
NC
GND
VS
OUT
OUT
GND
MIC4422YM
1N4007
D6
5V-in
D5
1N4007
SV3
ACM1602K
LCD
Vss
Vdd
Vo
RS
E
DB4
DB5
DB6
DB7
R9
33K
2SA1313
Q4
4.7k
R10
10kVR
R5
txrx
RX
TX
SV5
pickit
R4
10k
SV2
8MHz
XTL1
C2
18p
C5
18p
C13
104
#MCLR
RA0/PMD7
RA1/PMD6
RB0/PMD0
RB1/PMD1
RB2/PMD2/SDA2
RB3/PMWR/SCL2
VSS1
RA2/CLKI
RA3/PMA0/CLKO
RB4
RA4/PMA1
VDD
RB5/TMS/USBID
AVDD
AVSS
RB15/PMCS1/SCK2
RB14/SCK1
RB13/PMRD
VUSB
RB11/D-/PGEC2
RB10/D+/PGED2
VCAP
VSS2
RB9/PMD3/SDA1/TDO
RB8/PMD4/SCL1/TCK
RB7/PMD5/INT0/TDI
VBUS
C12
104
C8
10uF
op
SV6
LM1117-3.3V
IN
OUT
ADJ
IC3
C11
104
C10
104