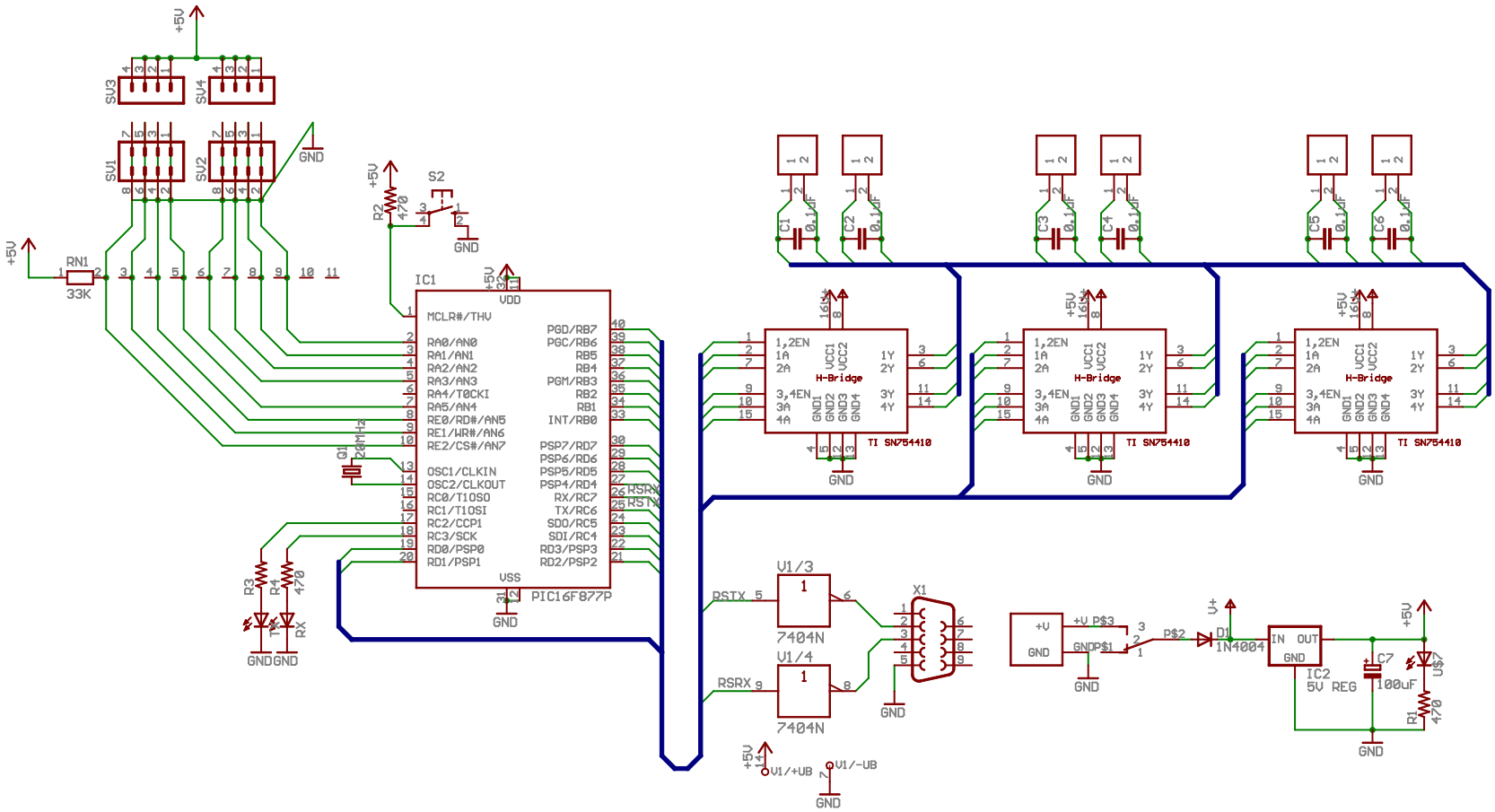
SV3
SV4
SV1
SV2
GND
+5V
S2
R2
470
RN1
33K
IC1
MCLR#/THV
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3
RA4/T0CKI
RA5/AN4
RE0/RD#/AN5
RE1/WR#/AN6
RE2/CS#/AN7
OSC1/CLKIN
OSC2/CLKOUT
RC0/T1OSO
RC1/T1OSI
RC2/CCP1
RC3/SCK
RD0/PSP0
RD1/PSP1
PGD/RB7
PGC/RB6
RB5
RB4
PGM/RB3
RB2
RB1
INT/RB0
PSP7/RD7
PSP6/RD6
PSP5/RD5
PSP4/RD4
RX/RC7
TX/RC6
SDO/RC5
SDI/RC4
RD3/PSP3
RD2/PSP2
VDD
VSS
PIC16F877P
Q1
20MHz
R3
R4
470
TX
RX
C1
C2
C3
C4
C5
C6
0.1uF
1,2EN
1A
2A
3,4EN
3A
4A
1Y
2Y
3Y
4Y
VCC1
VCC2
GND1
GND2
GND3
GND4
H-Bridge
TI SN754410
V1/3
V1/4
7404N
RSTX
RSRX
X1
V1/+UB
V1/-UB
+V
GND
P$3
P$1
P$2
D1
1N4004
V+
IC2
5V REG
IN
OUT
C7
100uF
LED
R1
470