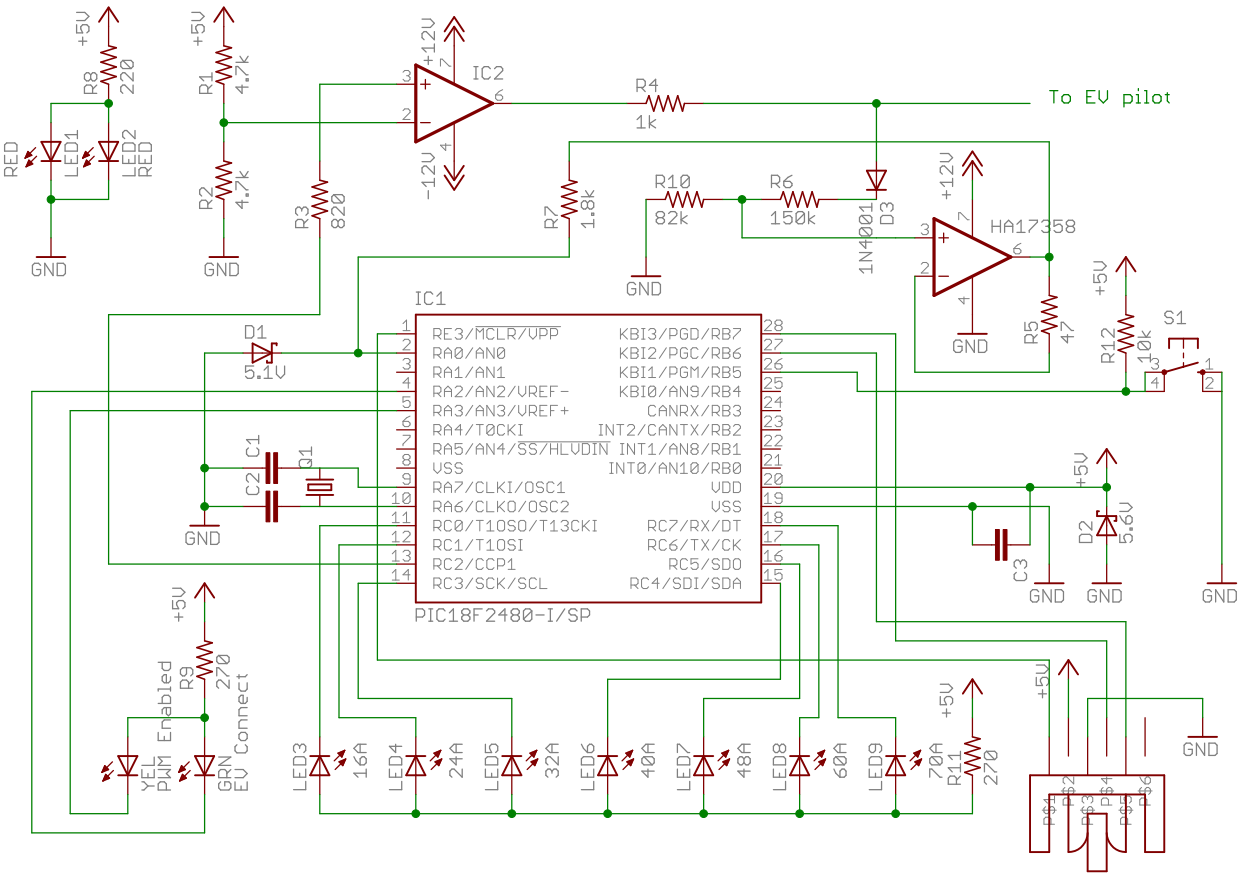
+5V
R8
220
RED
LED1
LED2
RED
GND
R1
4.7k
R2
4.7k
R3
820
+12V
IC2
-12V
R4
1k
To EV pilot
R7
1.8k
R10
82k
R6
150k
1N4001
D3
HA17358
R5
47
S1
R12
10k
IC1
D1
5.1V
C1
C2
J1
RE3/MCLR/VPP
RA0/AN0
RA1/AN1
RA2/AN2/VREF-
RA3/AN3/VREF+
RA4/T0CKI
RA5/AN4/SS/HLVDIN
VSS
RA7/CLKI/OSC1
RA6/CLKO/OSC2
RC0/T1OSO/T13CKI
RC1/T1OSI
RC2/CCP1
RC3/SCK/SCL
KBI3/PGD/RB7
KBI2/PGC/RB6
KBI1/PGM/RB5
KBI0/AN9/RB4
CANRX/RB3
INT2/CANTX/RB2
INT1/AN8/RB1
INT0/AN10/RB0
VDD
VSS
RC7/RX/DT
RC6/TX/CK
RC5/SDO
RC4/SDI/SDA
PIC18F2480-I/SP
C3
D2
5.6V
R9
270
YEL
PWM Enabled
GRN
EV Connect
LED3
16A
LED4
24A
LED5
32A
LED6
40A
LED7
48A
LED8
60A
LED9
70A
R11
270
P$1
P$2
P$3
P$4
P$5
P$6