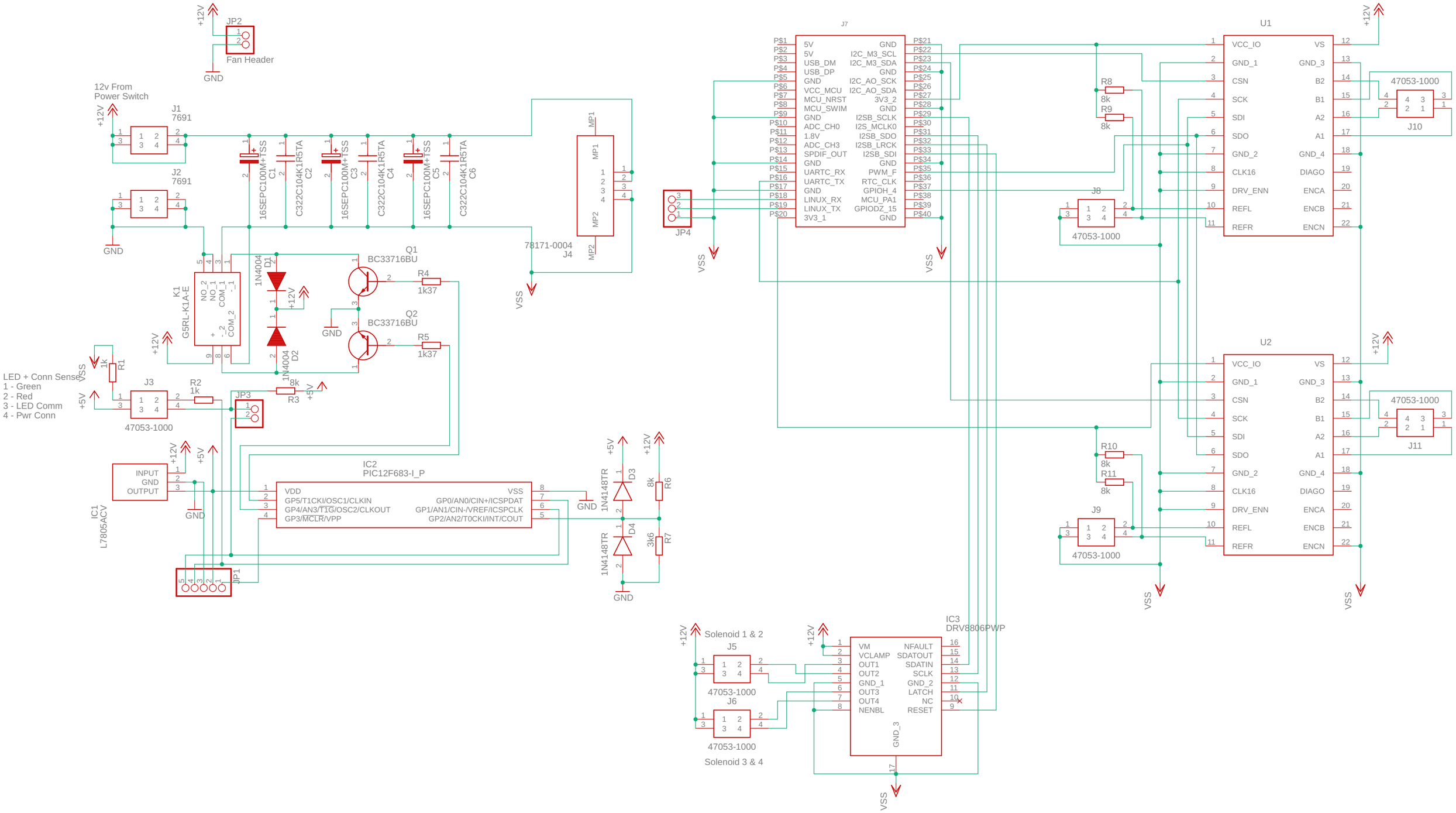
JP2
Fan Header
GND
+12V
12v From
Power Switch
J1
7691
J2
7691
16SEPC100M+TSS
C1
C322C104K1R5TA
C2
C3
C4
C5
C6
MP1
MP2
78171-0004
J4
K1
G5RL-K1A-E
NO_2
NO_1
COM_1
COM_2
1N4004
D1
D2
Q1
BC33716BU
Q2
R4
1k37
R5
1k37
R1
1k
R2
1k
R3
8k
JP3
J3
47053-1000
LED + Conn Sense
1 - Green
2 - Red
3 - LED Comm
4 - Pwr Conn
VSS
+5V
IC1
L7805ACV
INPUT
GND
OUTPUT
IC2
PIC12F683-I_P
VDD
GP5/T1CKI/OSC1/CLKIN
GP4/AN3/T1G/OSC2/CLKOUT
GP3/MCLR/VPP
VSS
GP0/AN0/CIN+/ICSPDAT
GP1/AN1/CIN-/VREF/ICSPCLK
GP2/AN2/T0CKI/INT/COUT
JP1
1N4148TR
D3
D4
R6
8k
R7
3k6
J7
5V
USB_DM
USB_DP
GND
VCC_MCU
MCU_NRST
MCU_SWIM
ADC_CH0
1.8V
ADC_CH3
SPDIF_OUT
UARTC_RX
UARTC_TX
LINUX_RX
LINUX_TX
3V3_1
I2C_M3_SCL
I2C_M3_SDA
I2C_AO_SCK
I2C_AO_SDA
3V3_2
I2SB_SCLK
I2S_MCLK0
I2SB_SDO
I2SB_LRCK
I2SB_SDI
PWM_F
RTC_CLK
GPIOH_4
MCU_PA1
GPIODZ_15
JP4
R8
8k
R9
8k
J8
47053-1000
U1
VCC_IO
GND_1
CSN
SCK
SDI
SDO
GND_2
CLK16
DRV_ENN
REFL
REFR
VS
GND_3
B2
B1
A2
A1
GND_4
DIAGO
ENCA
ENCB
ENCN
J10
R10
8k
R11
8k
J9
U2
J11
Solenoid 1 & 2
J5
J6
Solenoid 3 & 4
IC3
DRV8806PWP
VM
VCLAMP
OUT1
OUT2
GND_1
OUT3
OUT4
NENBL
NFAULT
SDATOUT
SDATIN
SCLK
GND_2
LATCH
NC
RESET
GND_3