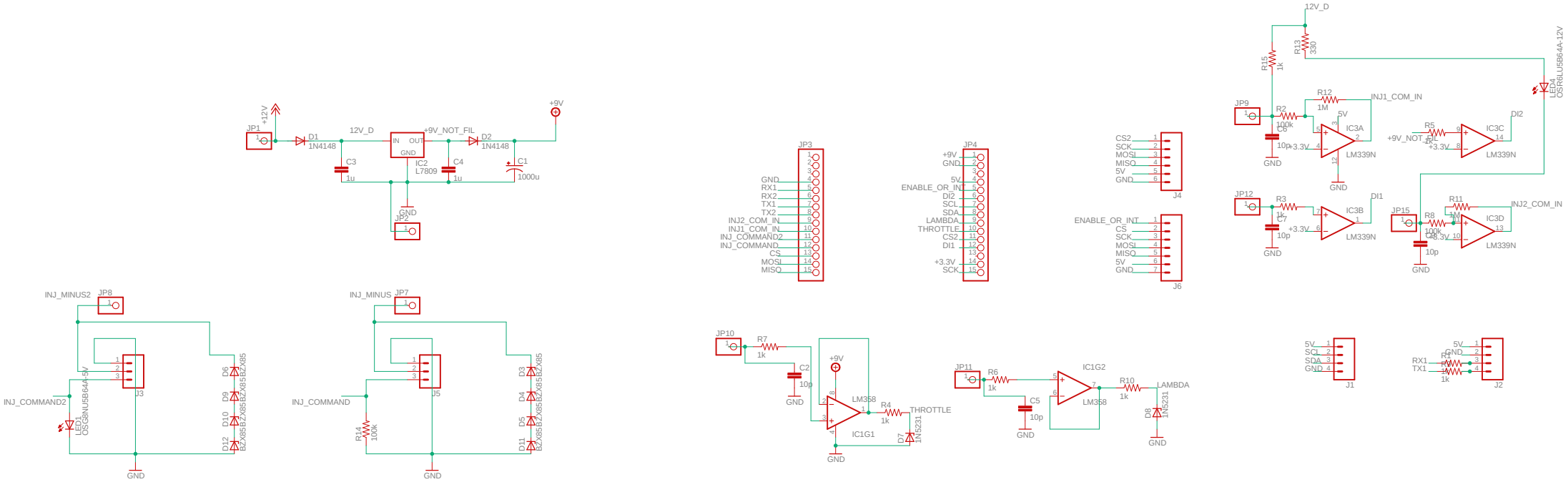
+12V
JP1
D1
1N4148
12V_D
IN OUT
GND
+9V_NOT_FIL
D2
1N4148
+9V
C3
1u
IC2
L7809
C4
1u
C1
1000u
GND
JP2
INJ_MINUS2
JP8
INJ_COMMAND2
LED1
OSG8NU5B64A-5V
J3
D6
D9
D10
D12
BZX85
GND
INJ_MINUS
JP7
INJ_COMMAND
R14
100k
J5
D3
D4
D5
D11
GND
JP3
GND
RX1
RX2
TX1
TX2
INJ2_COM_IN
INJ1_COM_IN
INJ_COMMAND2
INJ_COMMAND
CS
MOSI
MISO
JP4
+9V
GND
5V
ENABLE_OR_INT
DI2
SCL
SDA
LAMBDA
THROTTLE
CS2
DI1
+3.3V
SCK
CS2
SCK
MOSI
MISO
5V
GND
J4
ENABLE_OR_INT
CS
SCK
MOSI
MISO
5V
GND
J6
12V_D
R13
330
R15
1k
OSR6LU5B64A-12V
JP9
R2
100k
C6
10p
+3.3V
GND
R12
1M
INJ1_COM_IN
5V
IC3A
LM339N
R5
1k
+9V_NOT_FIL
+3.3V
IC3C
LM339N
DI2
JP12
R3
1k
C7
10p
+3.3V
GND
IC3B
LM339N
DI1
JP15
R8
100k
C8
10p
+3.3V
GND
R11
1k
INJ2_COM_IN
IC3D
LM339N
JP10
R7
1k
C2
10p
GND
+9V
LM358
IC1G1
R4
1k
THROTTLE
D7
1N5231
GND
JP11
R6
1k
C5
10p
GND
IC1G2
LM358
R10
1k
LAMBDA
D8
1N5231
GND
5V
SCL
SDA
GND
J1
5V
GND
RX1
TX1
R1
R2
1k
J2