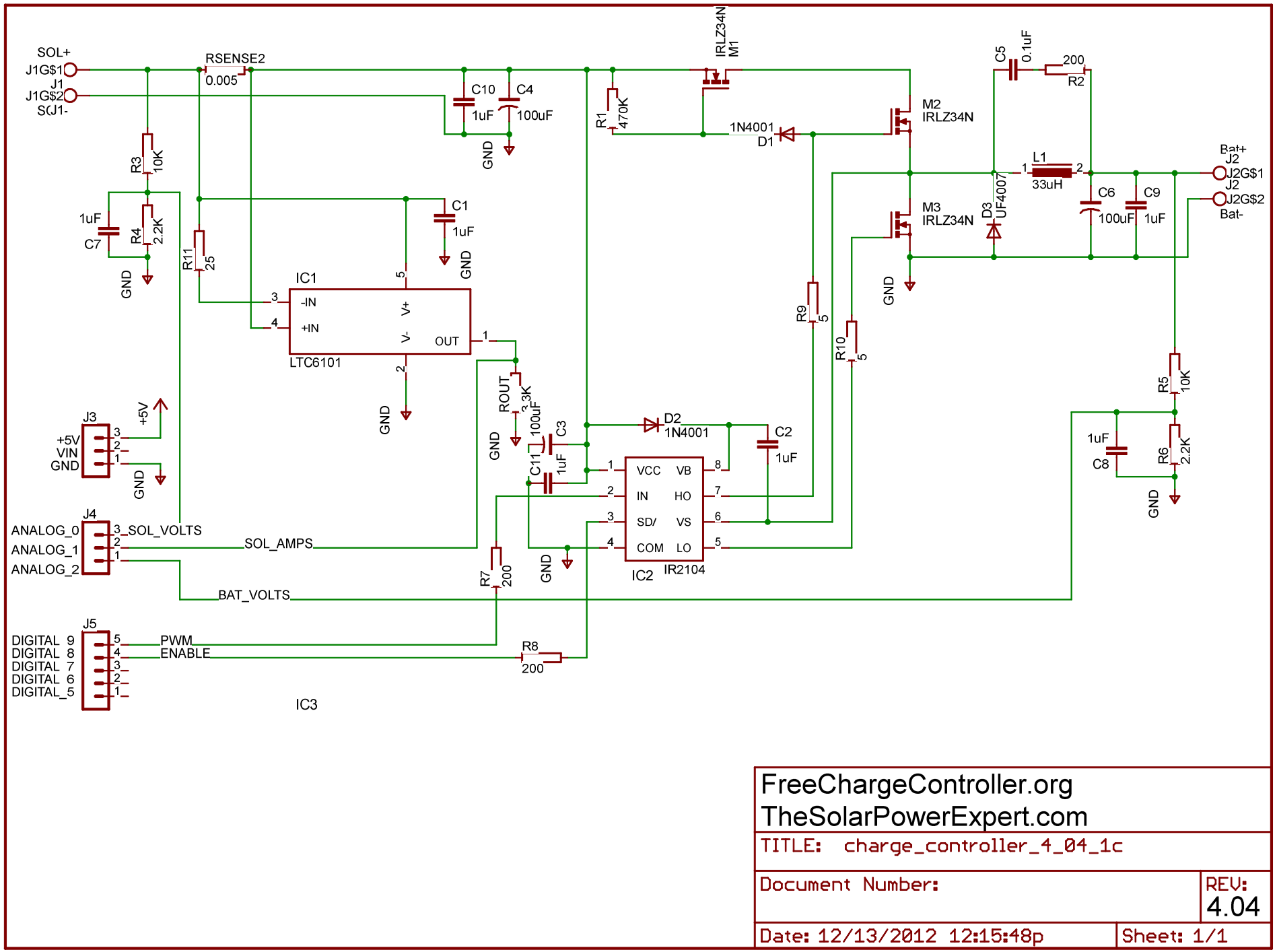
SOL+
J1G$1
J1
J1G$2
SOL-
RSENSE2
0.005
C10
1uF
C4
100uF
GND
R3
10K
1uF
C7
R4
2.2K
GND
R11
25
IC1
-IN
+IN
V+
V-
OUT
LTC6101
C1
1uF
GND
GND
ROUT
3.3K
100uF
C3
C11
1uF
GND
J3
+5V
VIN
GND
+5V
GND
J4
ANALOG_0
ANALOG_1
ANALOG_2
SOL_VOLTS
SOL_AMPS
BAT_VOLTS
J5
DIGITAL 9
DIGITAL 8
DIGITAL 7
DIGITAL 6
DIGITAL_5
PWM
ENABLE
IC3
R7
200
R8
200
GND
D2
1N4001
C2
1uF
VCC
VB
IN
HO
SD/
VS
COM
LO
IC2
IR2104
R1
470K
IRLZ34N
M1
1N4001
D1
M2
IRLZ34N
M3
IRLZ34N
D3
UF4007
C5
0.1uF
200
R2
L1
33uH
C6
100uF
C9
1uF
Bat+
J2
J2G$1
J2
J2G$2
Bat-
GND
R9
5
R10
5
R5
10K
1uF
C8
R6
2.2K
GND
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