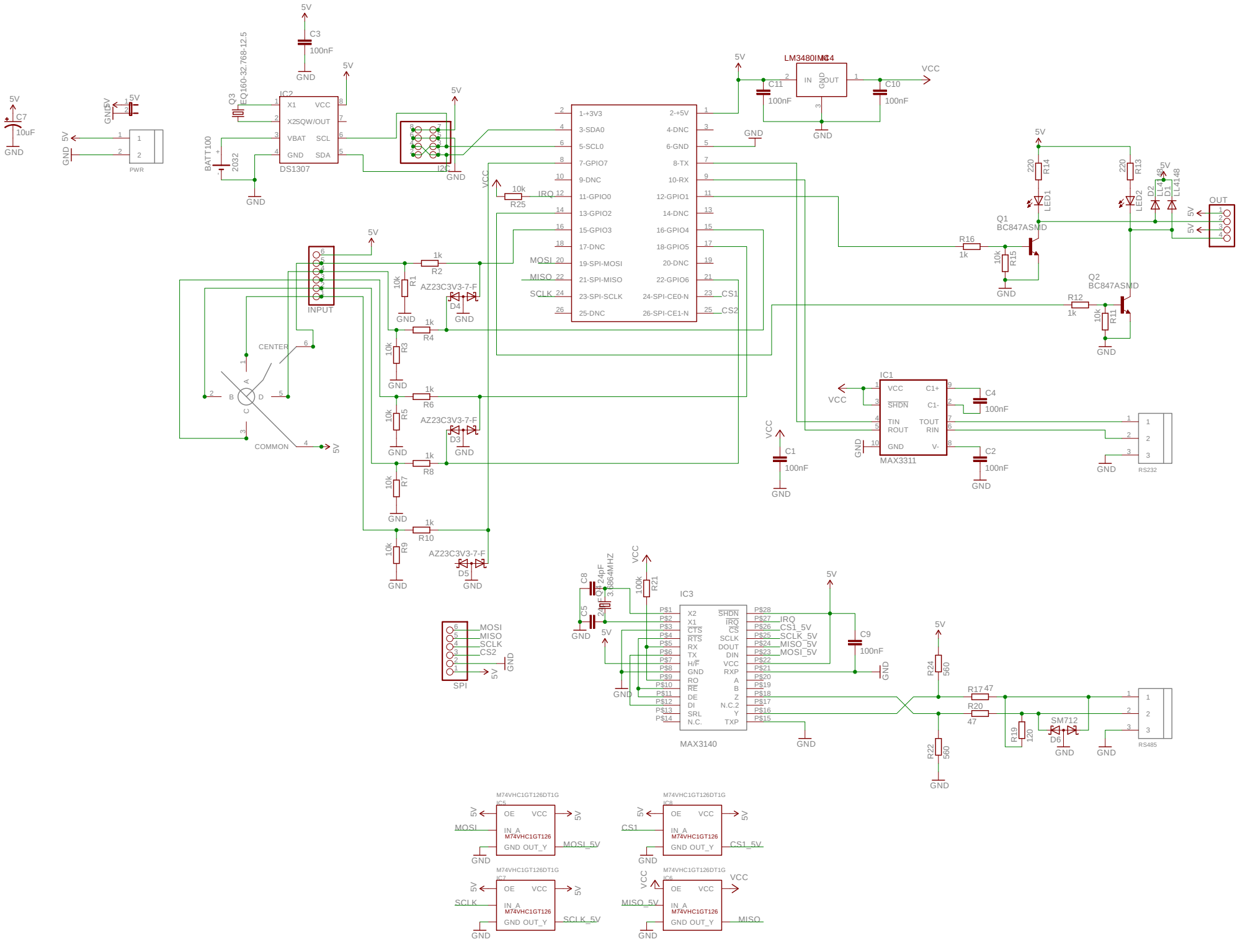

5V
C7
10uF
GND
PWR
C3
100nF
Q3
EQ160-32.768-12.5
IC2
X1
VCC
X2
SQW/OUT
VBAT
SCL
GND
SDA
DS1307
BATT100
2032
I2C
LM3480IM3-3.3
IN
GND
OUT
C11
C10
VCC
1-+3V3
2-+5V
3-SDA0
4-DNC
5-SCL0
6-GND
7-GPIO7
8-TX
9-DNC
10-RX
11-GPIO0
12-GPIO1
13-GPIO2
14-DNC
15-GPIO3
16-GPIO4
17-DNC
18-GPIO5
19-SPI-MOSI
20-DNC
21-SPI-MISO
22-GPIO6
23-SPI-SCLK
24-SPI-CE0-N
25-DNC
26-SPI-CE1-N
IRQ
MOSI
MISO
SCLK
CS1
CS2
R25
10k
INPUT
CENTER
COMMON
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
1k
10k
AZ23C3V3-7-F
D3
D4
D5
R14
R13
LED1
LED2
D1
D2
LL4148
OUT
Q1
BC847ASMD
Q2
R16
R15
R12
R11
IC1
VCC
C1+
SHDN
C1-
TIN
TOUT
ROUT
RIN
GND
V-
MAX3311
C4
C2
C1
RS232
SPI
MOSI
MISO
SCLK
CS2
IC3
MAX3140
C8
C5
24pF
3.6864MHZ
R21
100k
C9
R24
560
R17
R20
47
R19
120
R22
SM712
D6
RS485
M74VHC1GT126DT1G
IC5
IC8
IC7
IC6
OE
VCC
IN_A
GND
OUT_Y
MOSI_5V
CS1_5V
SCLK_5V
MISO_5V
MISO