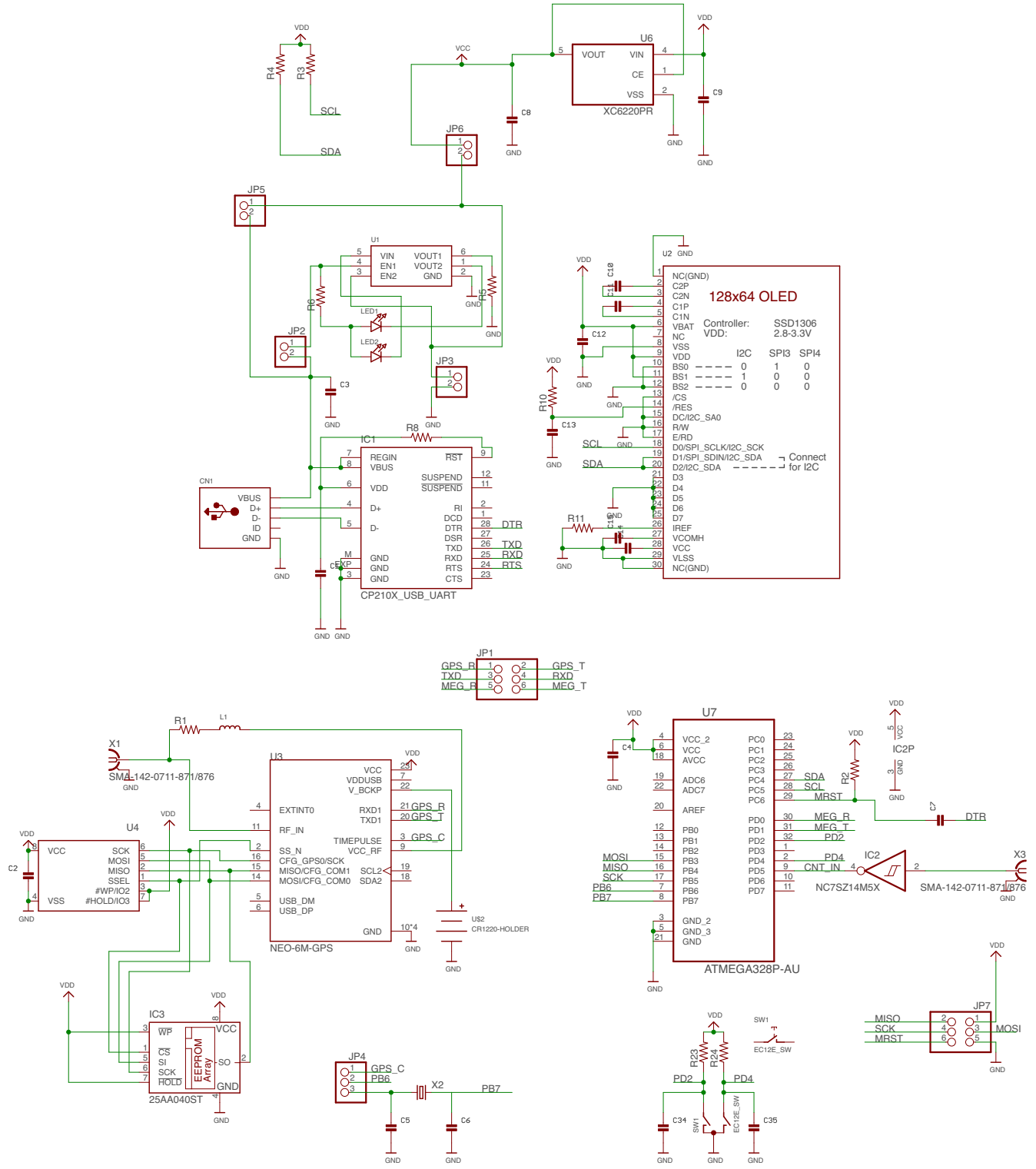
U6
XC6220PR
VOUT
VIN
CE
VSS
VCC
VDD
GND
C8
C9
R4
R3
SCL
SDA
JP6
JP5
U1
VIN
EN1
EN2
VOUT1
VOUT2
GND
R6
R5
LED1
LED2
JP2
JP3
C3
R8
IC1
REGIN
VBUS
VDD
D+
D-
GND
RST
SUSPEND
RI
DCD
DTR
DSR
TXD
RXD
RTS
CTS
CP210X_USB_UART
CN1
VBUS
D+
D-
ID
GND
U2
128x64 OLED
NC(GND)
C2P
C2N
C1P
C1N
VBAT
NC
VSS
VDD
Controller: SSD1306
VDD: 2.8-3.3V
I2C SPI3 SPI4
BS0 0 1 0
BS1 1 0 0
BS2 0 0 0
/CS
/RES
DC/I2C_SA0
R/W
E/RD
D0/SPI_SCLK/I2C_SCK
D1/SPI_SDIN/I2C_SDA
D2/I2C_SDA
Connect for I2C
D3
D4
D5
D6
D7
IREF
VCOMH
VCC
VLSS
NC(GND)
R10
C13
C10
C11
C12
R11
C14
SCL
SDA
JP1
GPS_R
TXD
MEG_R
GPS_T
RXD
MEG_T
R1
L1
X1
SMA-142-0711-871/876
U3
NEO-6M-GPS
VCC
VDDUSB
V_BCKP
EXTINT0
RF_IN
SS_N
CFG_GPS0/SCK
MISO/CFG_COM1
MOSI/CFG_COM0
USB_DM
USB_DP
RXD1
TXD1
TIMEPULSE
VCC_RF
SCL2
SDA2
GPS_C
US2
CR1220-HOLDER
U4
VCC
SCK
MOSI
MISO
SSEL
#WP/IO2
#HOLD/IO3
VSS
C2
IC3
25AA040ST
WP
CS
SI
SCK
HOLD
EEPROM Array
VCC
SO
GND
JP4
GPS_C
PB6
X2
PB7
C5
C6
U7
ATMEGA328P-AU
VCC_2
VCC
AVCC
ADC6
ADC7
AREF
PB0
PB1
PB2
PB3
PB4
PB5
PB6
PB7
GND_2
GND_3
GND
PC0
PC1
PC2
PC3
PC4
PC5
PC6
PD0
PD1
PD2
PD3
PD4
PD5
PD6
PD7
SDA
SCL
MRST
MEG_R
MEG_T
PD2
PD4
CNT_IN
MOSI
MISO
SCK
PB6
PB7
C4
R2
C7
DTR
IC2P
IC2
NC7SZ14M5X
X3
SMA-142-0711-871/876
SW1
EC12E_SW
R23
R24
PD2
PD4
C34
C35
JP7
MISO
SCK
MRST
MOSI