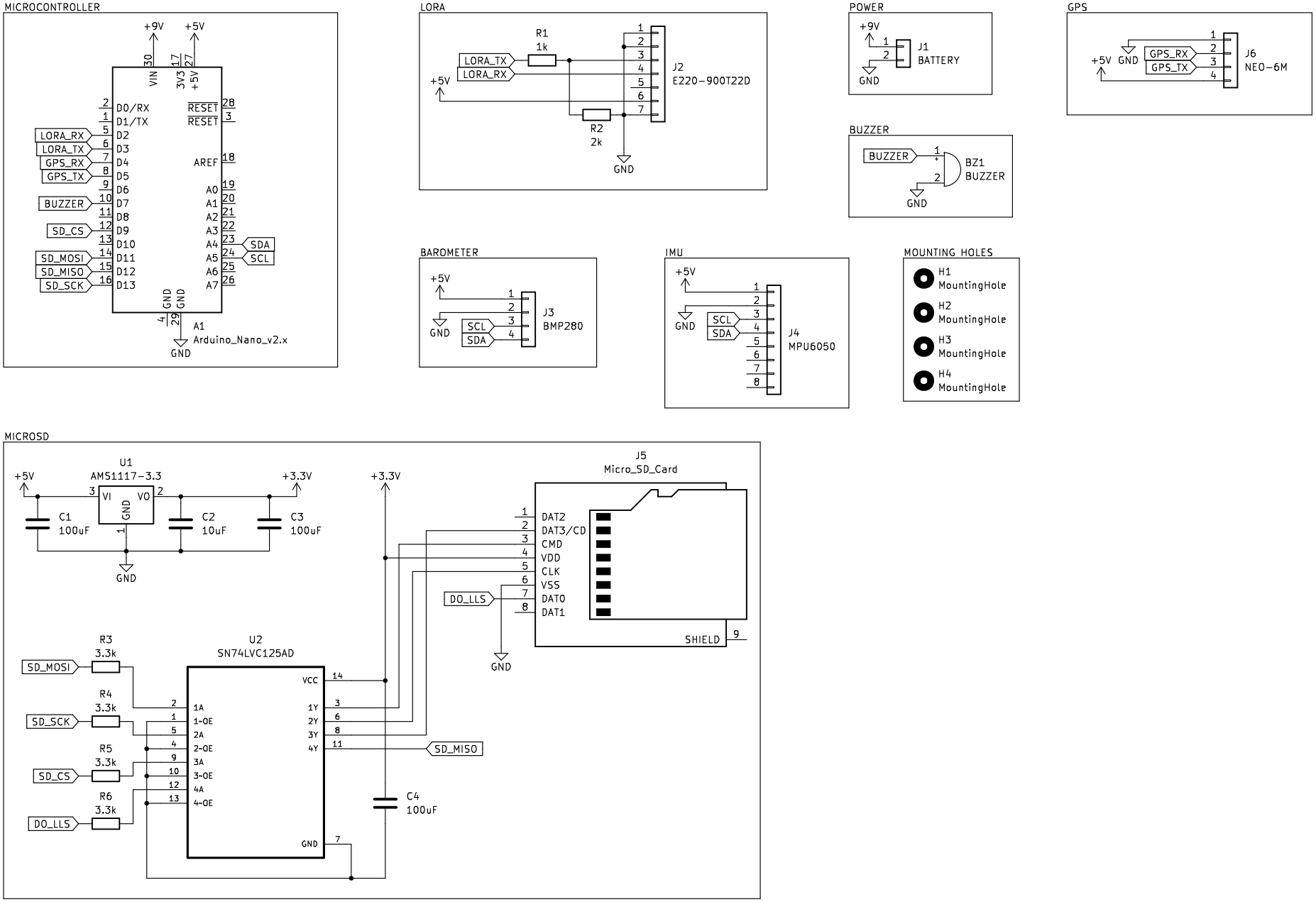
MICROCONTROLLER
+9V
+5V
VIN
3V3
+5V
D0/RX
D1/TX
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
RESET
RESET
AREF
A0
A1
A2
A3
A4
A5
A6
A7
GND
GND
LORA_RX
LORA_TX
GPS_RX
GPS_TX
BUZZER
SD_CS
SD_MOSI
SD_MISO
SD_SCK
SDA
SCL
A1
Arduino_Nano_v2.x
GND
LORA
R1
1k
LORA_TX
LORA_RX
+5V
J2
E220-900T22D
R2
2k
GND
POWER
+9V
J1
BATTERY
GND
GPS
+5V
GND
GPS_RX
GPS_TX
J6
NEO-6M
BUZZER
BUZZER
BZ1
BUZZER
GND
BAROMETER
+5V
GND
SCL
SDA
J3
BMP280
IMU
+5V
GND
SCL
SDA
J4
MPU6050
MOUNTING HOLES
H1
MountingHole
H2
MountingHole
H3
MountingHole
H4
MountingHole
MICROSD
U1
AMS1117-3.3
+5V
+3.3V
VI
VO
GND
C1
100uF
C2
10uF
C3
100uF
GND
+3.3V
J5
Micro_SD_Card
DAT2
DAT3/CD
CMD
VDD
CLK
VSS
DAT0
DAT1
SHIELD
DO_LLS
GND
R3
3.3k
SD_MOSI
R4
3.3k
SD_SCK
R5
3.3k
SD_CS
R6
3.3k
DO_LLS
U2
SN74LVC125AD
VCC
1A
1-OE
2A
2-OE
3A
3-OE
4A
4-OE
1Y
2Y
3Y
4Y
GND
SD_MISO
C4
100uF