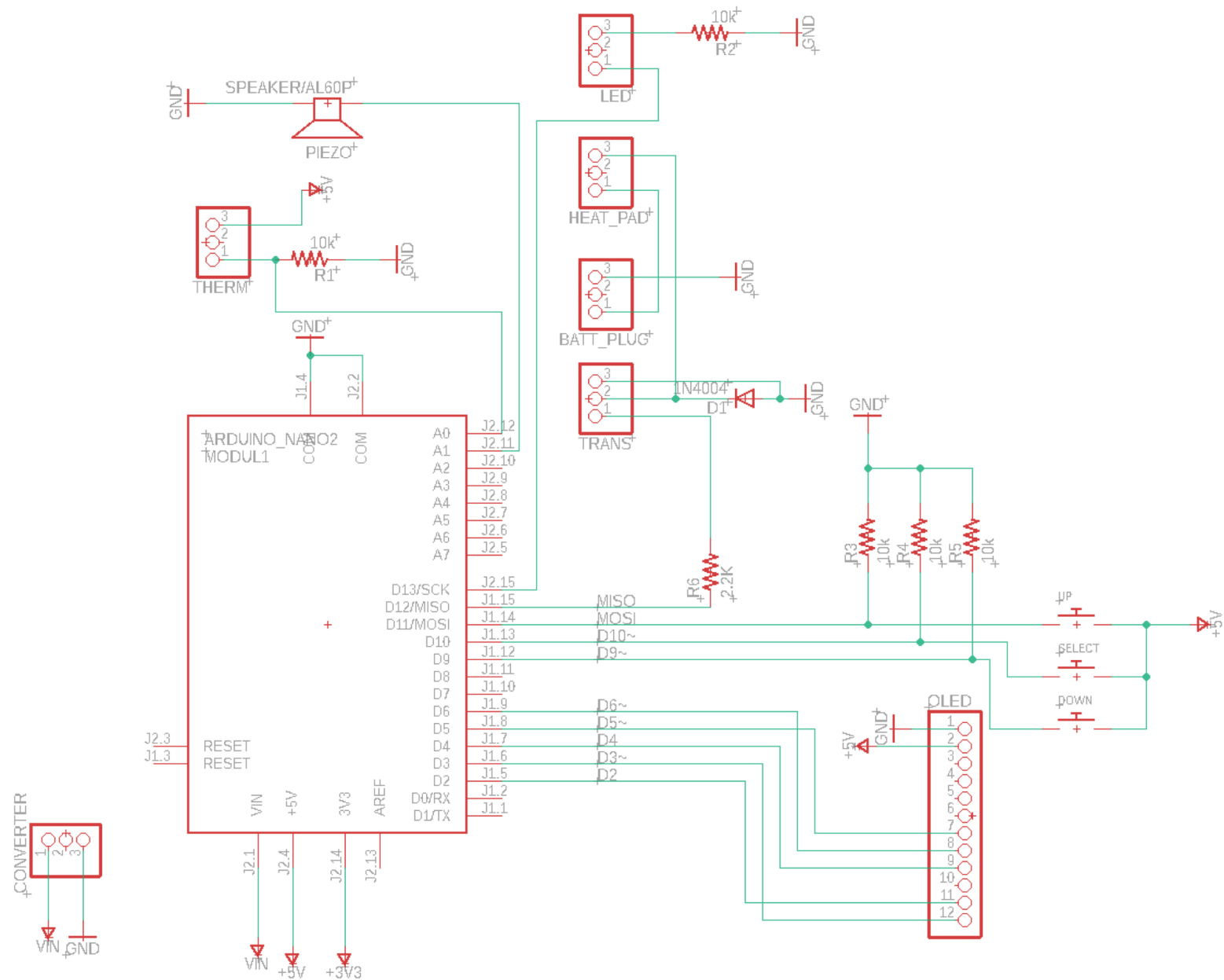# Circuit Diagram

Circuit
Diagram
(annotated)

Piezo Alarm

SPEAKER/AL60P

GND

PIEZO

LED Alarm

3
2
1

LED

10k
R2

GND

Heating Pad(s)

3
2
1

HEAT_PAD

12 V Battery

3
2
1

BATT_PLUG

Thermistor

+5V

3
2
1

THERM

10k
R1

GND

Transistor

3
2
1

TRANS

1N4004
D1

GND

GND

Buttons

R3   10k   R4   10k   R5   10k

UP

SELECT

DOWN

+5V

Arduino Nano Every

MODUL1

A0
A1
A2
A3
A4
A5
A6
A7

J2.1
J2.1
J2.1
J2.9
J2.8
J2.7
J2.6
J2.5

D13/SCK
D12/MISO
D11/MOSI
D10
D9
D8
D7
D6
D5
D4
D3
D2
D0/RX
D1/TX

J2.1
J1.1
J1.1
J1.1
J1.1
J1.1
J1.9
J1.8
J1.7
J1.6
J1.5
J1.2
J1.1

MISO
MOSI
D10~
D9~

D6~
D5~
D4
D3~
D2

R6
2.2K

RESET
RESET

J2.3
J1.3

VIN   +5V   3V3   AREF

12V Battery Connection

CONVERTER

1 2 3

VIN   GND

J2.1   J2.4   J1.14   J1.13

VIN   +5V   +3V3

OLED Display

+5V   GND

OLED

1
2
3
4
5
6
7
8
9
10
11
12

PCB