

Component List for Software & Embedded Systems Lab 2

STM32 Board

1x ST Nucleo-L433RC board
1x USB micro connector cable (1.8m)
1x MCB400 breadboard

Resistors (23 total):

2 x 1 kohm
2 x 2.2 kohm
6 x 4.7 kohm
2 x 10 kohm
2 x 22 kohm
2 x 47 kohm
2 x 100 kohm
2 x 220 kohm
2 x 1 Megaohm
1 x 10k variable resistor/potentiometer

Ceramic Capacitors (18 of):

2 x 100 pF
2 x 220 pF
2 x 470 pF
2 x 1 nF
4 x 10 nF
2 x 100 nF
4 x 1 μ F

LEDs (4 of):

2x Green LEDs
2 x Red LEDs

Audio Amplifier

1 x Electret Microphone
1 x Microchip 6272 Dual In-line package op-amp chip

Temperature Sensor

1 x DS18B20 Temperature Sensor

Jumper Wires

15 x Male-to-Male (breadboard)
15 x Male-Female (breadboard to Nucleo board)
15 x Female-to-Female (within Nucleo board)