

HARDWARE SPECIFICATION

DHT11 - module Iduino SE052(Temperature sensor) :

Module with temperature and humidity sensor with a digital interface. Measuring range: temperature 0-50 °C, humidity of 20-90 %RH. It has connectors for connecting the sensor via wires.



Heartbeat sensor

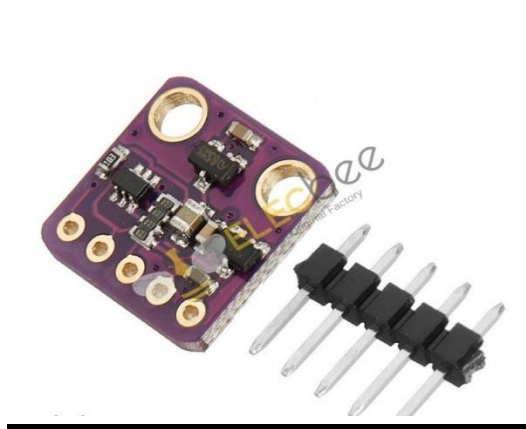
KY-039 Heartbeat Sensor Module

The KY-039 heartbeat sensor module can be used to detect the heartbeat signal using finger. This sensor has an analog output. By placing your finger on the module, you can see the heartbeat signal through the analog output pin.



SPO2 SENSOR

MAX30102 SP02 Sensor Module Ultra-Low Power Consumption



GE Datex-Ohmeda Adult Soft Shell Finger SpO2 Sensor 10 Pin Connector 10FT/3M Cable GE Compatible



ECG SENSOR

The electrodes are sticky patches with wires that connect to a monitor. They record the electrical signals that make the heart beat.



SPEAKER

Philips IntelliVue MP60 MP70 Patient Monitor Speaker



DISPLAY SCREEN (LCD)

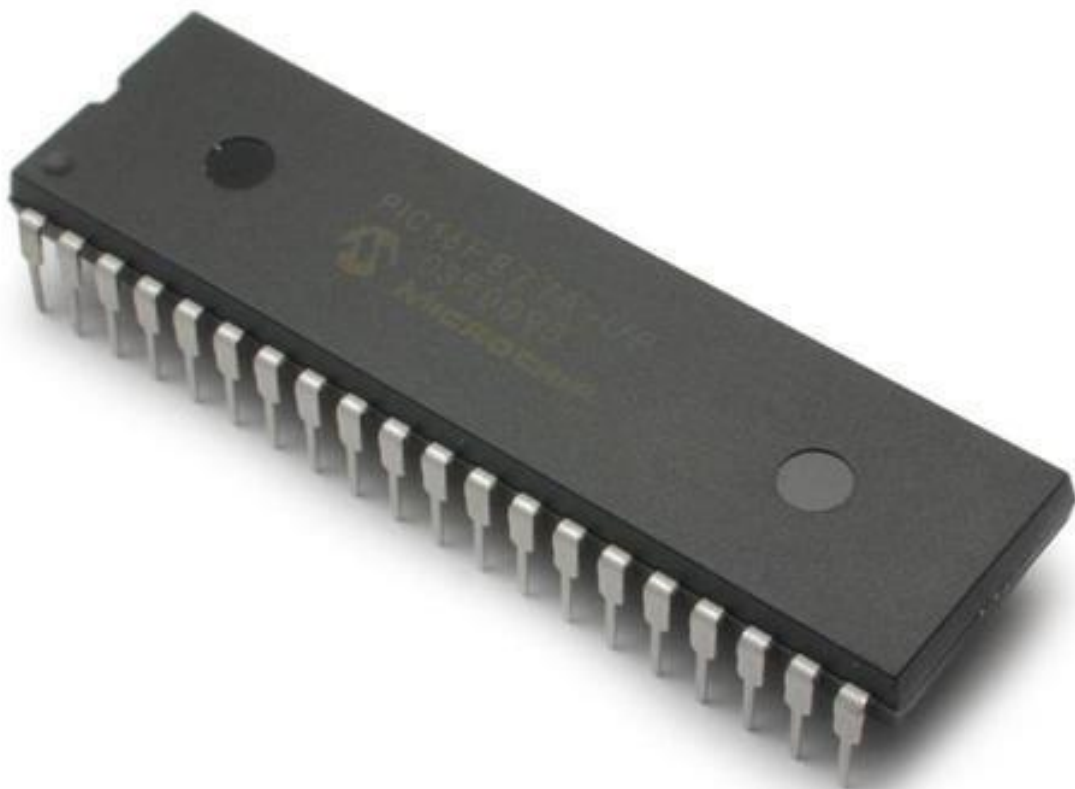
AM 10 LCD



MICROCONTROLLER

PIC MICROCONTROLLER

In this automatic health monitoring system in hospitals for patients, the pic microcontroller is used for efficient and intelligent control of this system. It is 40 Pins integrated circuit IC, powered up with 5 V dc and is interfaced with temperature sensor, encoder, and LCD display. It is programmed in c language with the help of mikro/c software.



POWER SUPPLY



ADC

8-Channel Analog To Digital Converter ADC IC MCP3008

