SHT20 Temperature and Humidity Sensor Breakout Board Documentation

August 8, 2020

Project Overview

The SHT20 temperature and humidity sensor breakout board is based on the SHT20 sensor from Sensirion. The board is only 10x10mm making it ideal for compact spaces/projects that need a decent temperature and humidity sensor. The sensor can be interfaced using I2C.

The recommended voltage for the board is 3 - 3.3V. Please note that the data logic also needs to be 3 - 3.3V or else this could damage the sensor.

The project is open-source hardware and designed with KiCad which makes it a lot easier for the user to modify.

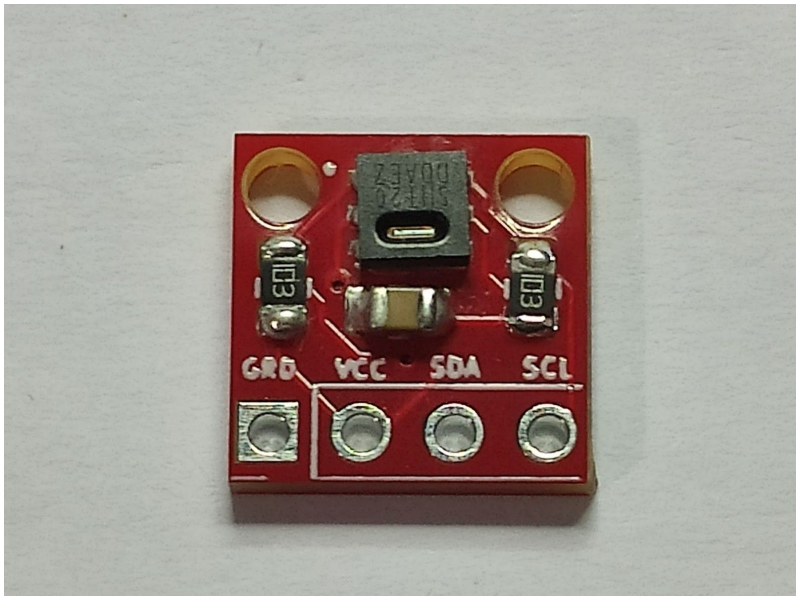
Project site where the design files and schematic can be found:

https://github.com/Chromico/sht20-breakout-board

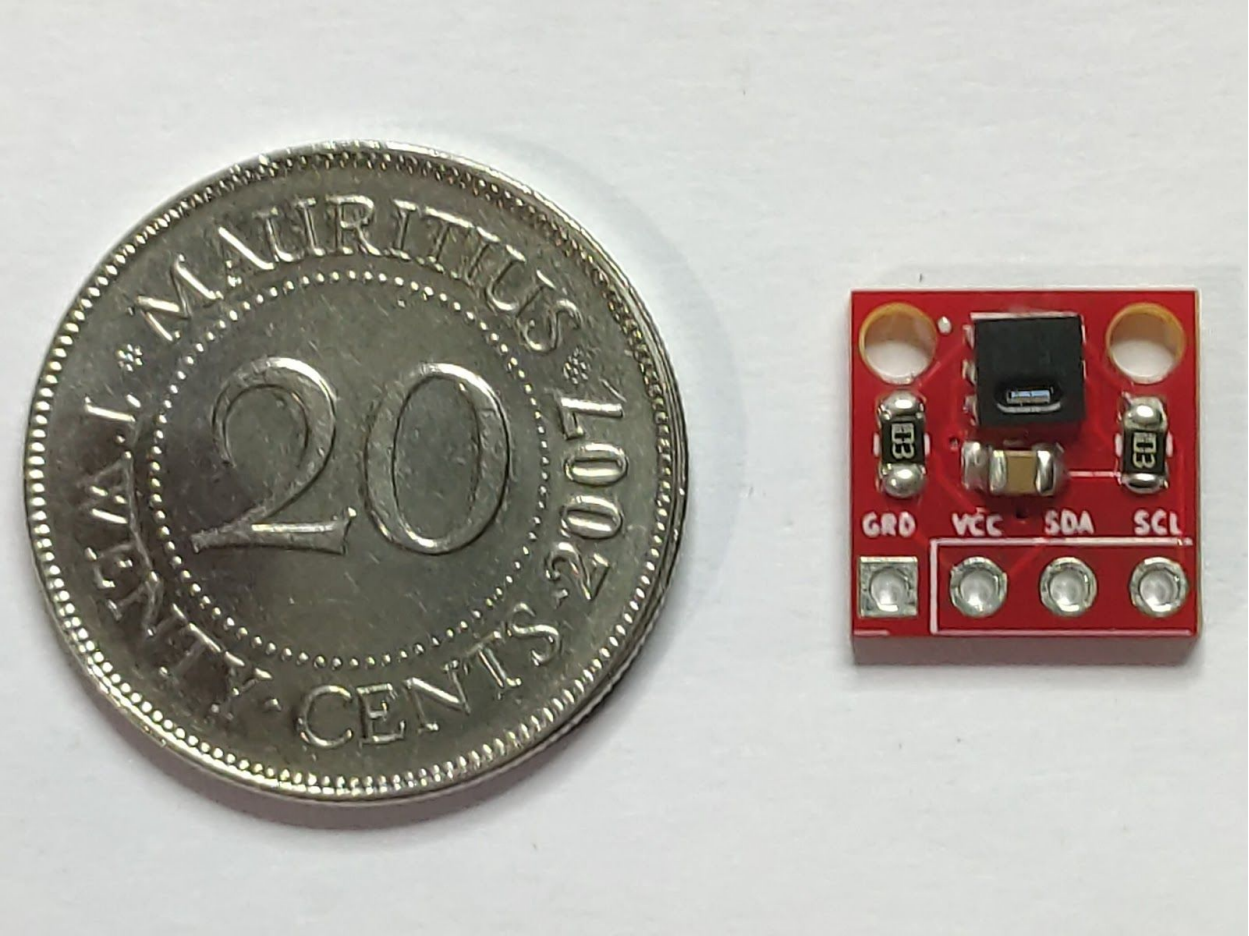
SHT20 datasheet:

https://datasheet.lcsc.com/szlcsc/1809192317_Sensirion-SHT20_C53865.pdf

Final Board Pics



Board next to a 20 Mauritian cents coin



Specifications

- Fully Calibrated sensor
- Digital Output I2C
- Low Power
- PCB size (10mm x 10mm)