



## Adafruit PCF8523 Real Time Clock Assembled Breakout Board

PRODUCT ID: 3295



### Description

This is a great battery-backed real time clock (RTC) that allows your microcontroller project to keep track of time even if it is reprogrammed, or if the power is lost. Perfect for datalogging, clock-building, time stamping, timers and alarms, etc. Equipped with **PCF8523** RTC – it can run from 3.3V *or* 5V power & logic!

Works great with an [Arduino using our RTC library](#) or with a [Raspberry Pi \(or similar single board linux computer\)](#)

PCB & header are included

Plugs into any breadboard, or you can use wires

Two mounting holes

Will keep time for 5 years or more

Note: This product does not come with a CR1220 coin cell battery. We recommend you purchase a coin cell battery to use with this product.

The PCF8523 is simple and inexpensive but not a high precision device. It may lose or gain up to 2 seconds a day. For a high-precision, temperature compensated alternative, [please check out the DS3231 precision RTC](#). If you need a DS1307 for compatibility reasons, check out our [DS1307 RTC breakout](#)

### Technical Details

Length: 25.8mm/1.02in

Width: 21.8mm/0.86in

Height: 5mm/0.2in

Weight: 2.3g/0.09oz

Mounting holes are 2.2mm(0.086in) diameter, 25mm(0.98in) apart

This board/chip uses I2C 7-bit address 0x68

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