



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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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