

PRODUCT DATASHEET



Real Time Clock RTC PCF85063A Breakout

333051

The PCF85063A Real Time Clock accurately tracks time with low power consumption, featuring an alarm and battery backup for reliability.

Full product documentation, files and tutorials: solde.red/333051

CORE ATTRIBUTES

SKU **333051**

WEIGHT **8 g**

BARCODE **732388671908**

DESCRIPTION

RTC (Real Time Clock) is a device that carefully and precisely tracks time and dates. It is extremely precise, so it is more suitable for long-term time tracking than clocks on microcontrollers. This breakout can work with an extremely low current and thanks to the alarm feature and interrupt pin, it will allow a microcontroller to enter sleep mode until its awoken by this RTC.

It has a built-in battery holder (battery not included) and even if power is lost, real-time tracking won't be affected.

TECHNICAL DETAILS

- **Communication:** I2C
- **RTC IC:** PCF85063A
- **Voltage:** 0.9V - 5.5V
- qwiic connector
- **Dimensions:** 38 × 22 mm / 1.5 × 0.9 inch

SPECIFICATIONS

INTERFACE	I2C
QWIIC COMPATIBLE	Yes
I2C ADDRESS DEFAULT	0x51
I2C ADDRESS CHANGEABLE	No
BREADBOARD COMPATIBLE	Yes

IC PART NUMBER	PCF85063A
SUPPLY VOLTAGE MIN V	3.3
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	3V3 Or 5V

LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-PCF85063A-RTC-Module-Arduino-Library
Full Documentation	https://docs.soldered.com/pcf85063a/overview/
Arduino: Get Started	https://docs.soldered.com/pcf85063a/arduino/geting-started/
Hardware Details	https://docs.soldered.com/pcf85063a/hardware/
Arduino Library Documentation	https://docs.soldered.com/pcf85063a/arduino/reading-the-time-and-date/
Pinout	https://cms.soldered.com/products/333051/media/333051_pinout-png_684fcc.svg

GALLERY

