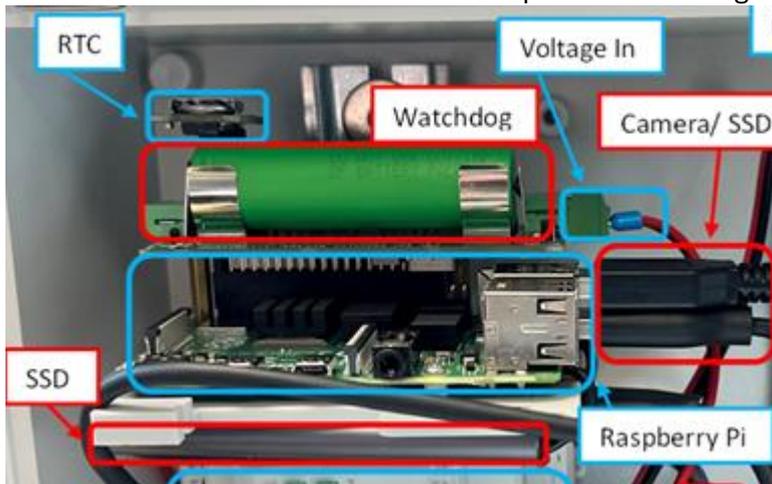
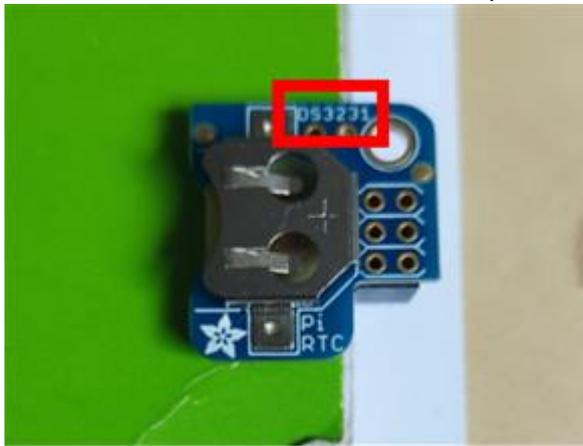


1. First, you need to check your RTC model. For that, make sure the system is OFF and extract the RTC which is connected on top of the watchdog:



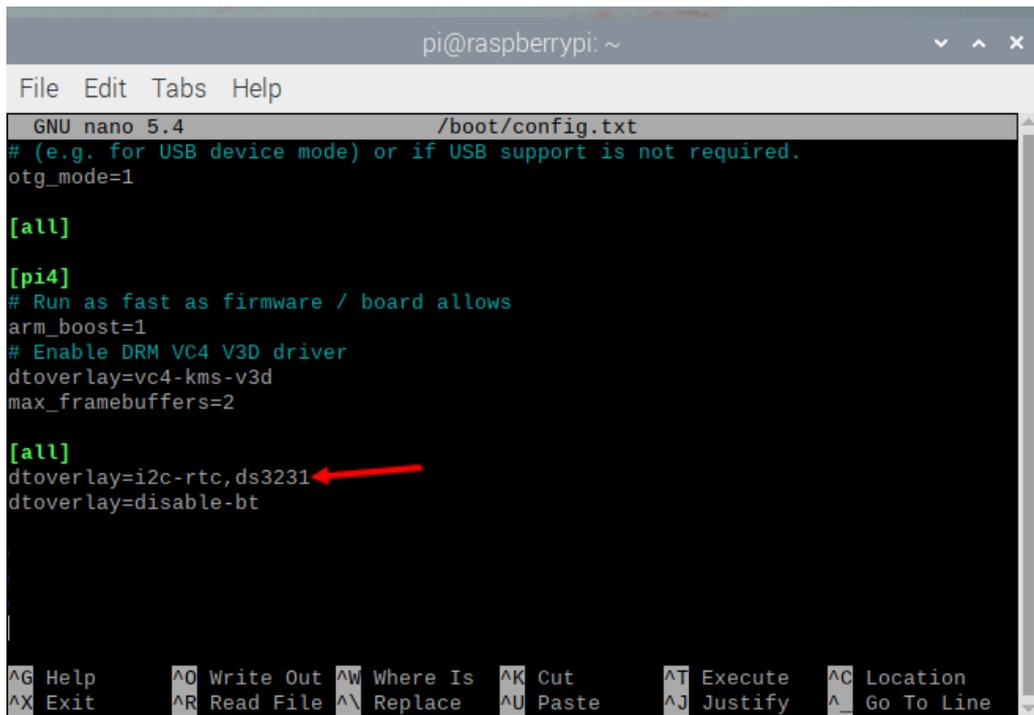
2. Write down the serial number at the top:



The possible options are **DS3231**, **PCF8523**, **DSL1307**.

3. Put the RTC back, you need to be very careful to plug it into the last 6 pins on the top left of the watchdog. Otherwise, you can damage the Pi.
4. Connect a screen, mouse, and keyboard to the Raspberry Pi and restart the system.
5. Open a terminal and stop the motion software before making any changes:
`sudo pkill motion`
6. Open the configuration file:
`sudo nano /boot/config.txt`

Scroll down to the end of the file. It should look like this:



```
pi@raspberrypi: ~
File Edit Tabs Help
GNU nano 5.4 /boot/config.txt
# (e.g. for USB device mode) or if USB support is not required.
otg_mode=1

[all]

[pi4]
# Run as fast as firmware / board allows
arm_boost=1
# Enable DRM VC4 V3D driver
dtoverlay=vc4-kms-v3d
max_framebuffers=2

[all]
dtoverlay=i2c-rtc,ds3231
dtoverlay=disable-bt

^G Help      ^O Write Out ^W Where Is  ^K Cut       ^T Execute   ^C Location
^X Exit      ^R Read File ^\ Replace   ^U Paste     ^J Justify   ^_ Go To Line
```

Update the line where it specifies the RTC. Here are the possible options depending on the serial number of your RTC:

```
dtoverlay=i2c-rtc,ds3231
dtoverlay=i2c-rtc,pcf8523
dtoverlay=i2c-rtc,dsl1307
```

7. To save the file press **ctrl + o** and then enter.
8. To exit the file edition press **ctrl + x** and then enter.
9. Restart the system.
10. After that follow again the instructions to set the RTC time and it should work fine.