Changing Temp Input

This guide will troubleshoot the temperature pins

Written By: BoXZY
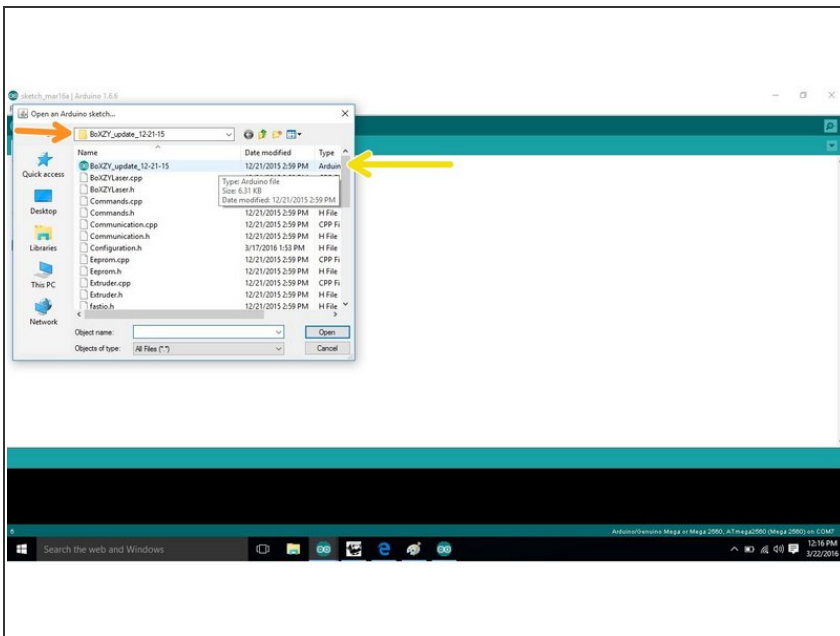
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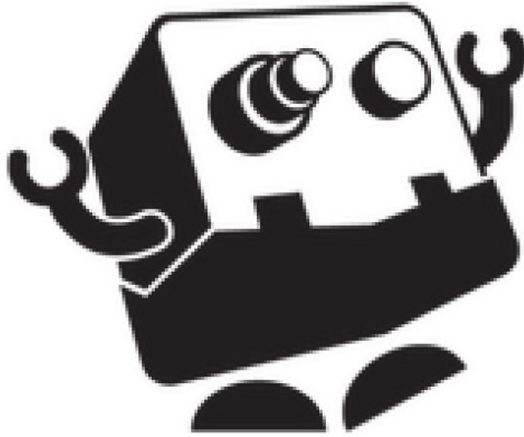
Step 1 — Getting the most recent firmware for BoXZY
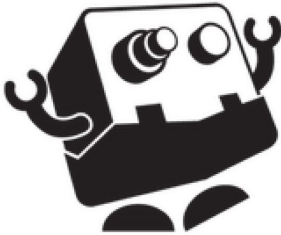
- **Download** the most recent firmware for BoXZY at this link

- **Save** and **UnZip** the contents of the file in a *New Folder* titled BoXZY Firmware
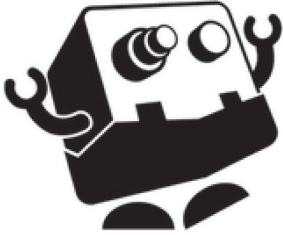
Step 2 — Opening the Firmware in Arduino

- Open your Arduino software

- **Select** *File*

- **Select** *Open* and locate the *BoXZY_update_12-21-15 folder*

- Select the .INO file with the same name as the folder

- **Select** *Open*

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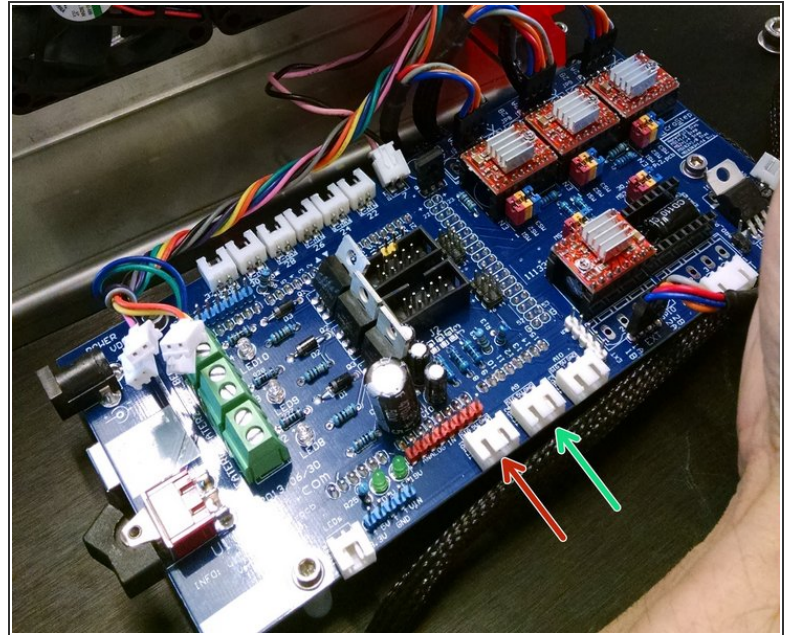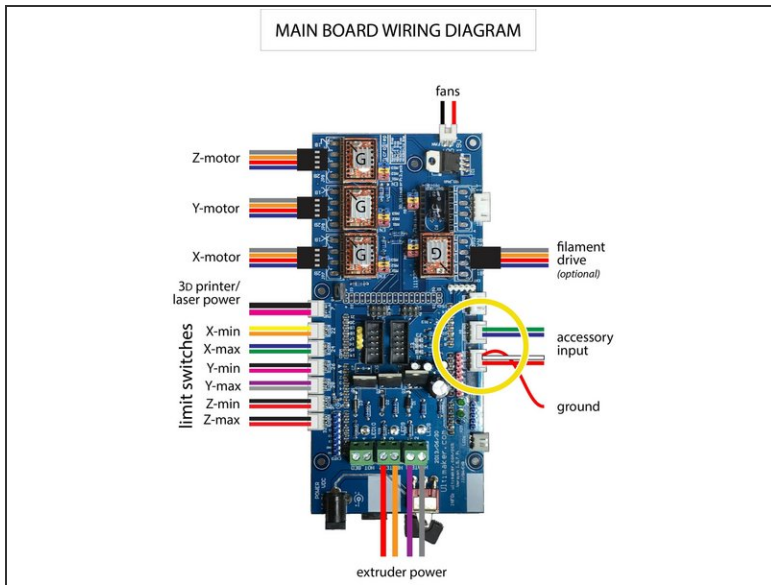## Step 3 — Making the appropriate changes in the pin configuration file
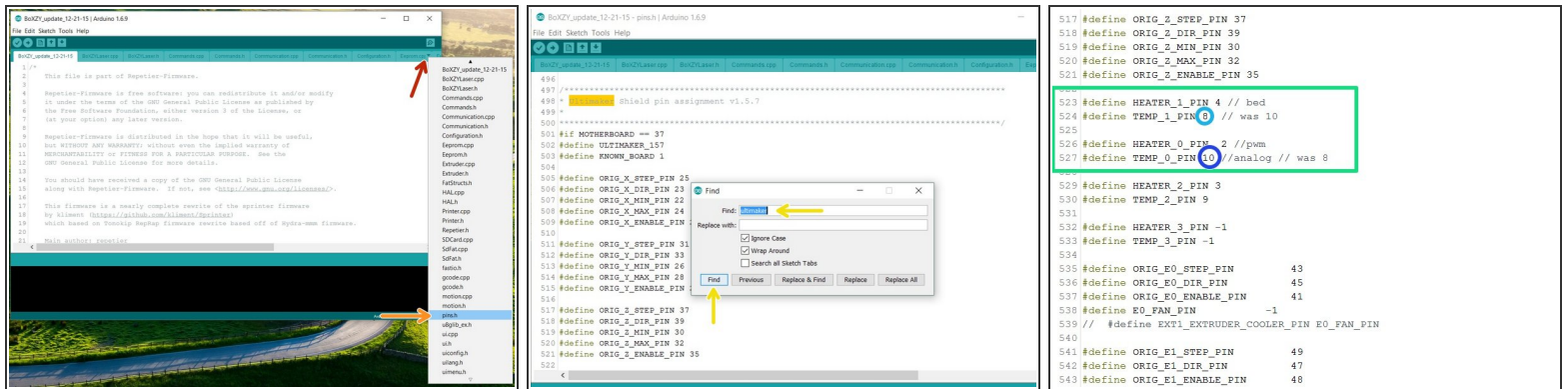
- In the new window that opens select the drop down menu arrow, indicated by the *red arrow* in the image

- Select the file title **pins.h**

- **Press** *ctrl+f* (in windows) to access the **Find** function in the Arduino window
  - **Type** *ultimaker* and select **Find**

- **Scroll down** to view lines 523 through 527

- You will now switch **TEMP_1_PIN** and **TEMP_0_PIN** settings
  - **TEMP_1_PIN** you will *change to* **8**

  - **TEMP_0_PIN** you will *change to* **10**
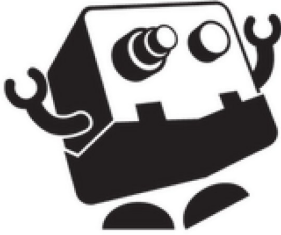
Step 4 — Saving the Firmware

- **Save** the **pin.h** file by selecting **Fil**e and then **Save** in the *Arduino IDE*

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Step 5 — Switching the Physical Pins on the electronics

- *Carefully* **remove** the metal enclosure on the back of BoXZY to access the electronics

- **Remove** the white **connector** plugged into the slot indicated by the *red arrow* in the second image and red and white wires

- **Connect** the **connector** with red and white wires into the slot indicated by the *green arrow* in the image

  ⚠ Make sure the red wire is installed just as before inside the white connector when you re-install it in the new slot

- Install the connector with blue and green wires into the slot which previously had the connector with red and white wires installed.

- *Carefully* **replace** the metal enclosure

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Step 6 — Flash the edited BoXZY firmware into the BoXZY arduino

- **Go to** this link and follow Steps 2 and Step 3
  - This will upload the edited firmware to the BoXZY electronics
- **Exit** the Arduino program and you are ready to use your BoXZY