



Autosampler Node Teardown

This teardown will demonstrate how to take apart the autosampler related components of a node.
To reassemble, follow the teardown in reverse.

Written By: Nicholas Jeng



 **TOOLS:**

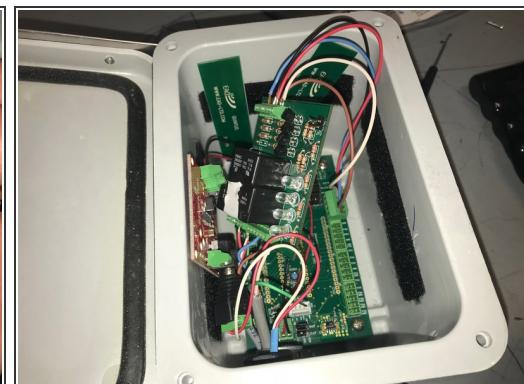
- Phillips #0 Screwdriver (1)
- Flathead 3/32" or 2.5 mm Screwdriver (1)

Step 1 — Node Overview



(i) Generally, there will also be ultrasonic components, such as wires, present within the node. There is no ultrasonic connected to our node in order to focus entirely on the autosampler

Step 2 — Disconnect and Remove the Battery



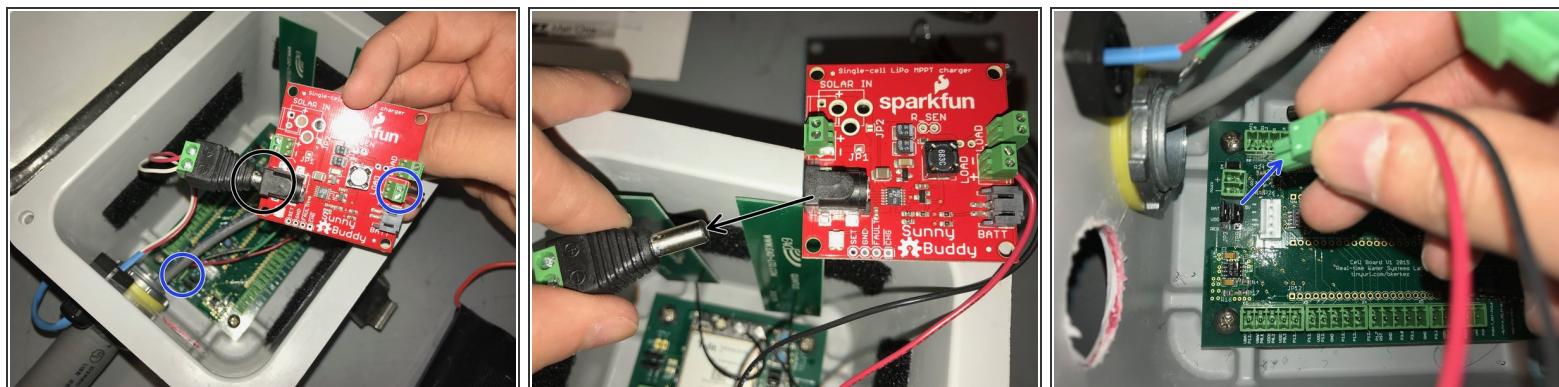
⚠ Ensure you remove the battery first before doing anything else

Step 3 — Disconnect Relay



- ⓘ If you choose to disconnect the wires from the terminal, we recommend you either write down the wires' respective locations on the terminal, or consult our pin documentation when reassembling

Step 4 — Remove the Solar Charger



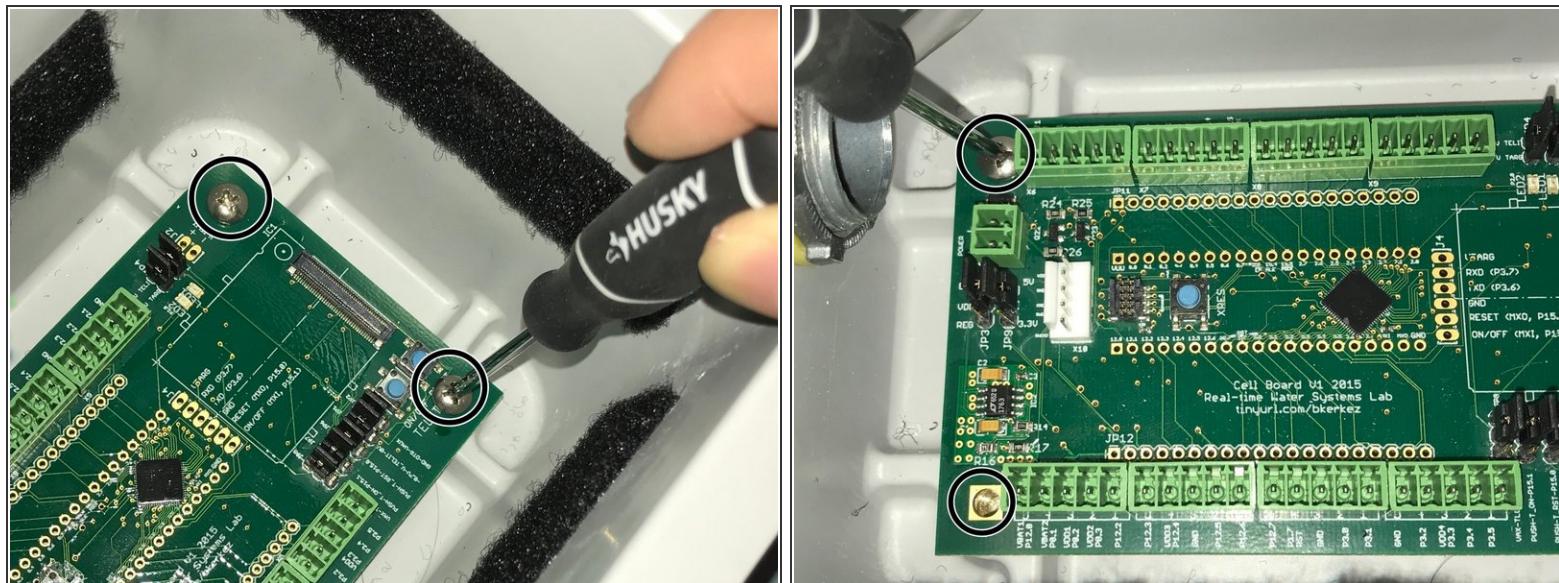
- ⓘ To disconnect the blue circled point on the solar charger, you have to remove the terminal at the blue circle on the board

Step 5 — Remove the Cell Module from the Board



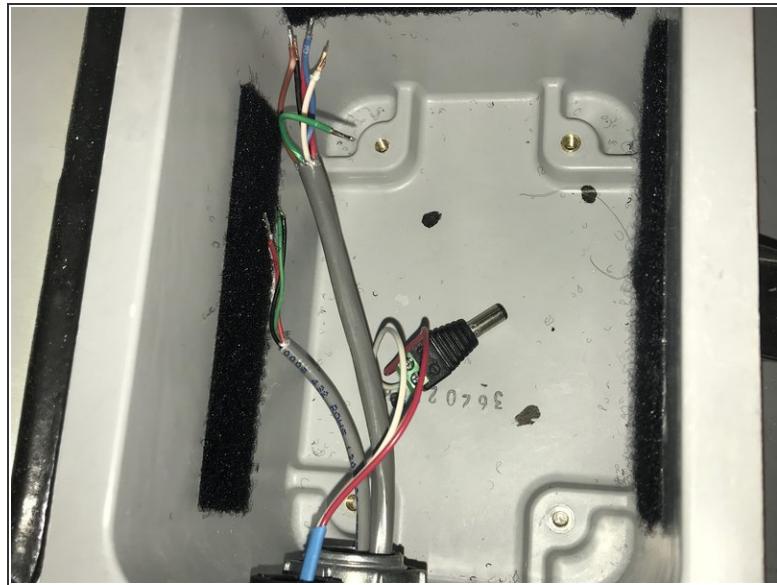
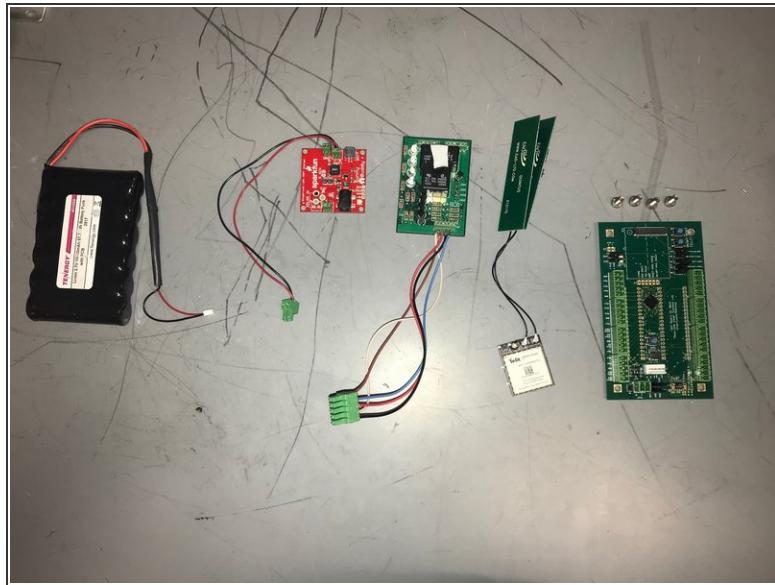
⚠ Pull the module from the bottom; pulling the module in a different way may damage it

Step 6 — Unscrew and Remove Board



ⓘ In the second image, one of the screws is already removed

Step 7 — Node Overview



(i) With the interior of the small node removed, these are the components you should have (from left to right)

- The battery
- Solar charger with terminal still attached
- Relay with terminal still attached
- Module with antenna still attached
- Board with 4 screws