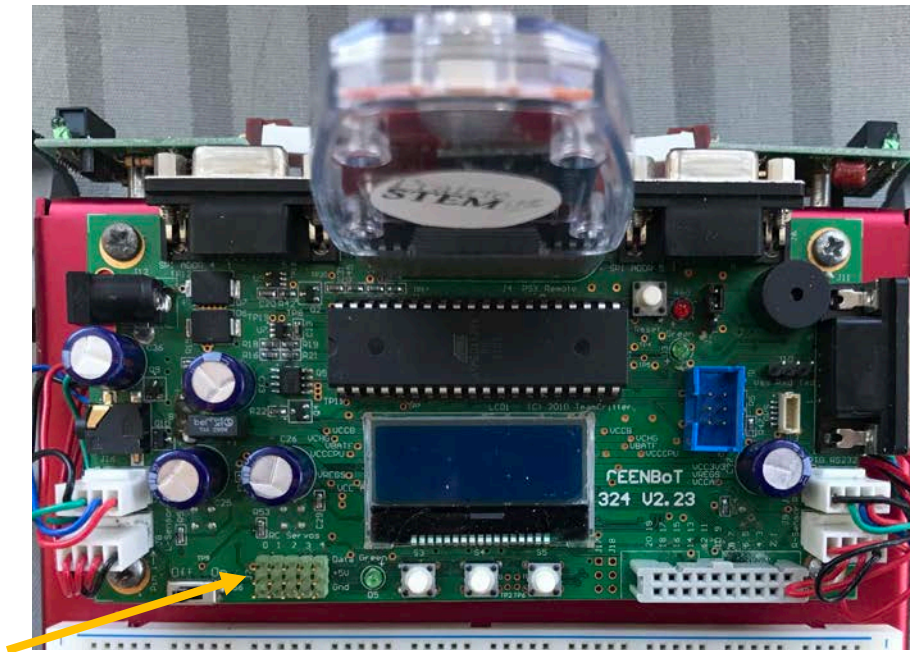


## Installing Servo Motors on Your CEENBot



There are five 3-pin connectors located below and to the left of the LCD screen. If you look closely, you will see that this is labeled “RC Servos 0 1 2 3 4”

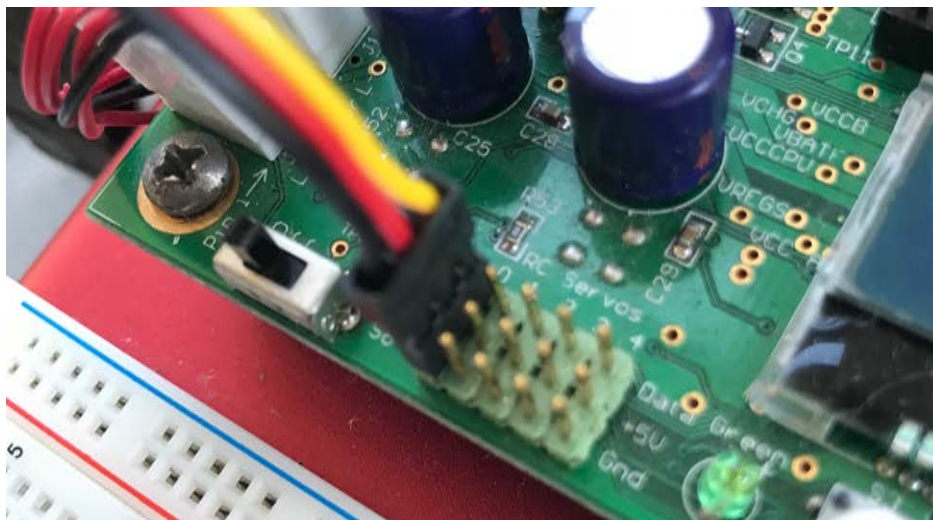


Along the right-hand side of the pins, you will also notice labels for Data, +5V, and Gnd (ground). This will help you know how to effectively attach your servo motor. All servos have three wires coming off of the motor – one for each of these pins. Most providers will use a fairly clear labelling method with these wires: the darkest is Ground, the red is positive (+5V), and the remaining wire (often yellow) is data. See the image below for examples.



Data Positive Ground      Data Positive Ground

You will now attach these wires to the appropriately labeled pins. If you are using one servo, use the pins labeled “0”. If using more than one, put your most important ones in columns “0” and “1”, as these will be the easiest to access using the controller.



Note: Because the positive pin is in the middle, you **will not** cause any damage to the servo by attempting to connect it in the wrong way. If your servo is not clearly labeled as to ground and data, you may try it both directions and see which actually delivers power to the motor.

In order to learn about how to configure the servo to work with the CEENBot controller, continue on to CEENBot Firmware Features and Use: Servo Calibration, Version 0.01.