LCD SCREEN	ARDUINO
4 RS	Pin 12
5 R/W	GND
6 Enable	Pin 11
7 D0	Not used
8 D1	Not used
9 D2	Not used
10 D3	Not used
11 D4	Pin 5
12 D5	Pin 4
13 D6	Pin 3
14 D7	Pin 2
15 A BcL +	+5V
16 K BcL –	GND

3. Remember to use a breadboard rail to make the multiple connections to the Arduino GND pin, as shown in Figure 14-2.

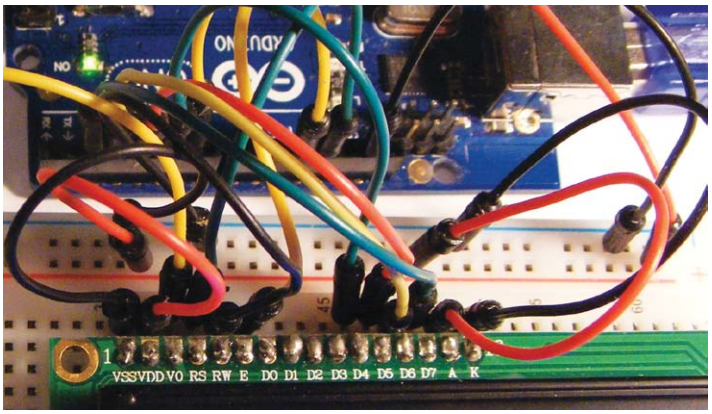

FIGURE 14-2: The LCD screen is connected to the Arduino.

4. You should have already connected the center pin of the 10k-ohm potentiometer to LCD pin 3 (VO). Now connect one of the outer pins to GND and the other to +5V. This controls the contrast of your LCD screen.
5. Insert the tilt switch into your breadboard and attach one side to Arduino pin 6 via a 1k-ohm resistor and the other side to GND.