Orbitar board

male and female headers

accelerometer

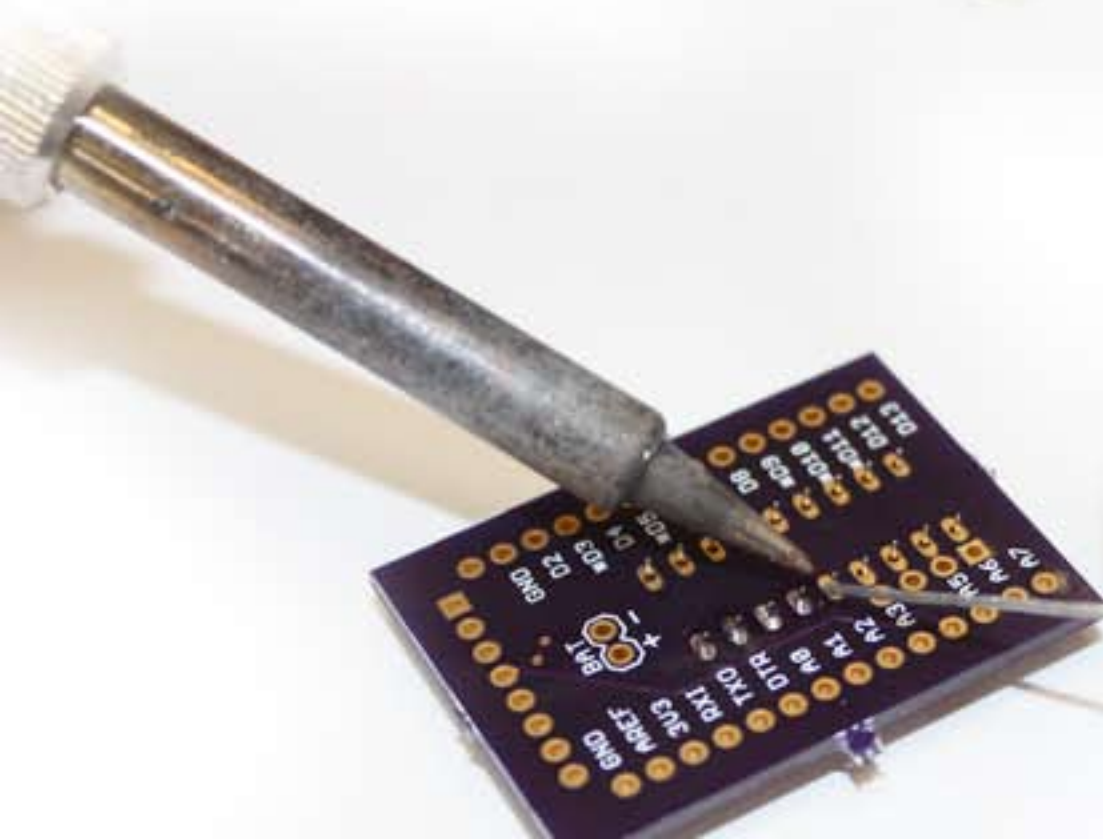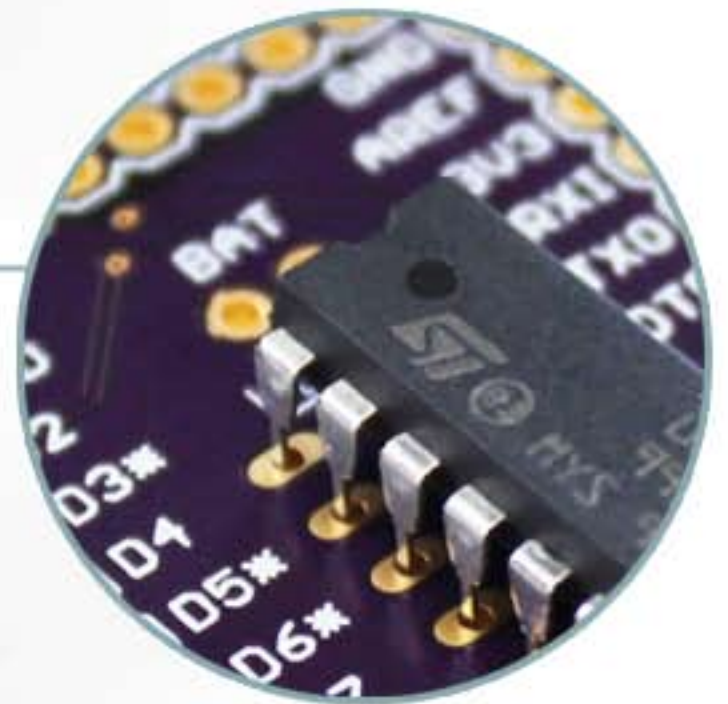uln28031 Darlington Array

Bend the pins in slightly so it
aligns properly with the board

Put the darlington array in place.
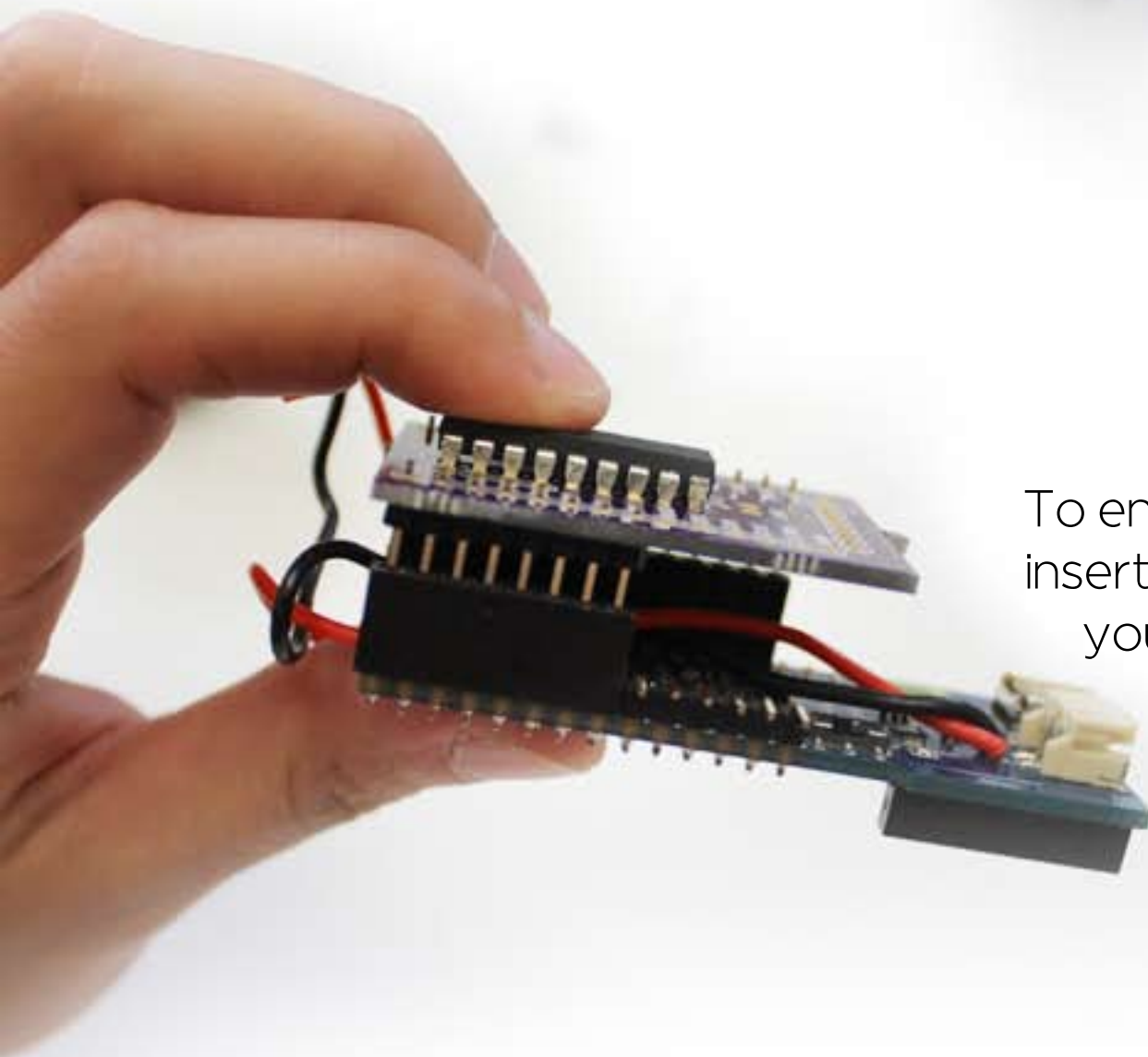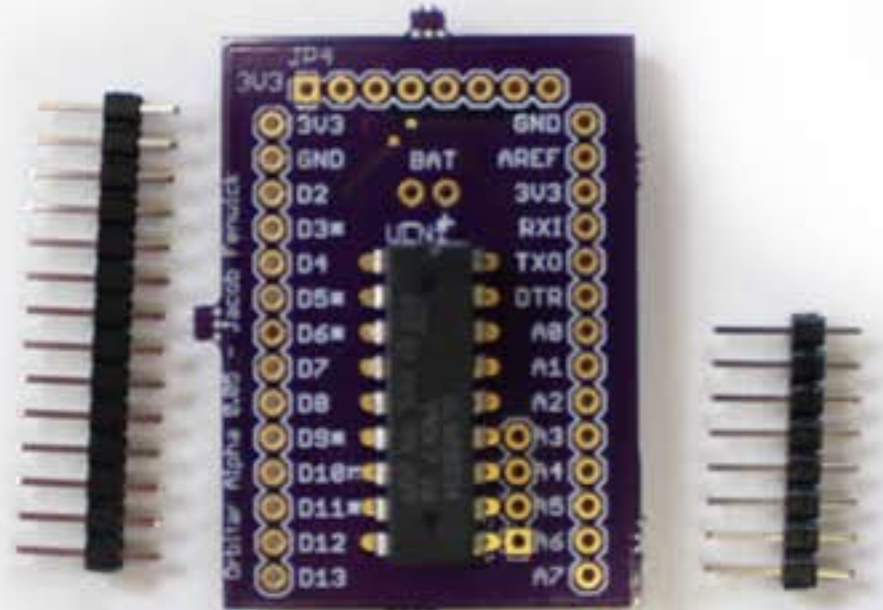Make sure the divet matches the
divet on the board.

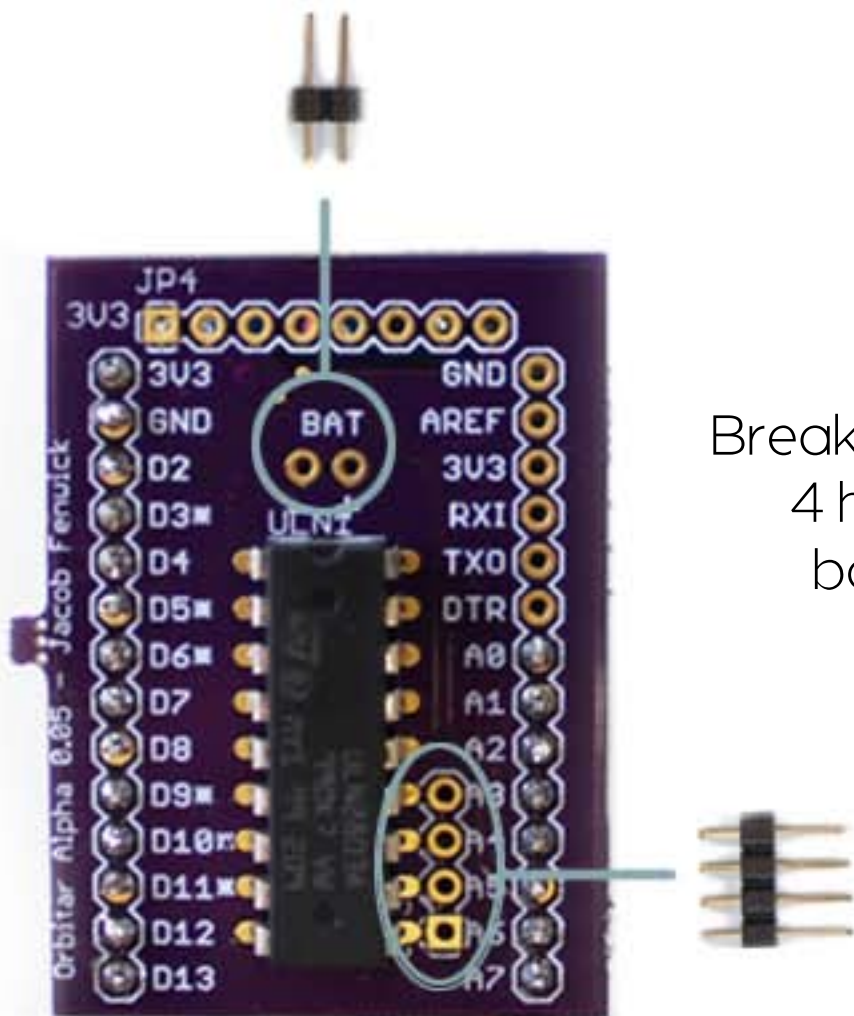Turn the board over and
solder all of the pins.

Break off 8 headers to fill A0 - A7, and 14 headers to fill all the holes on the other side.

To ensure you solder the pins straight, insert the long side of the headers into your arudino. Then put your Orbitar board on top. Solder all pins.
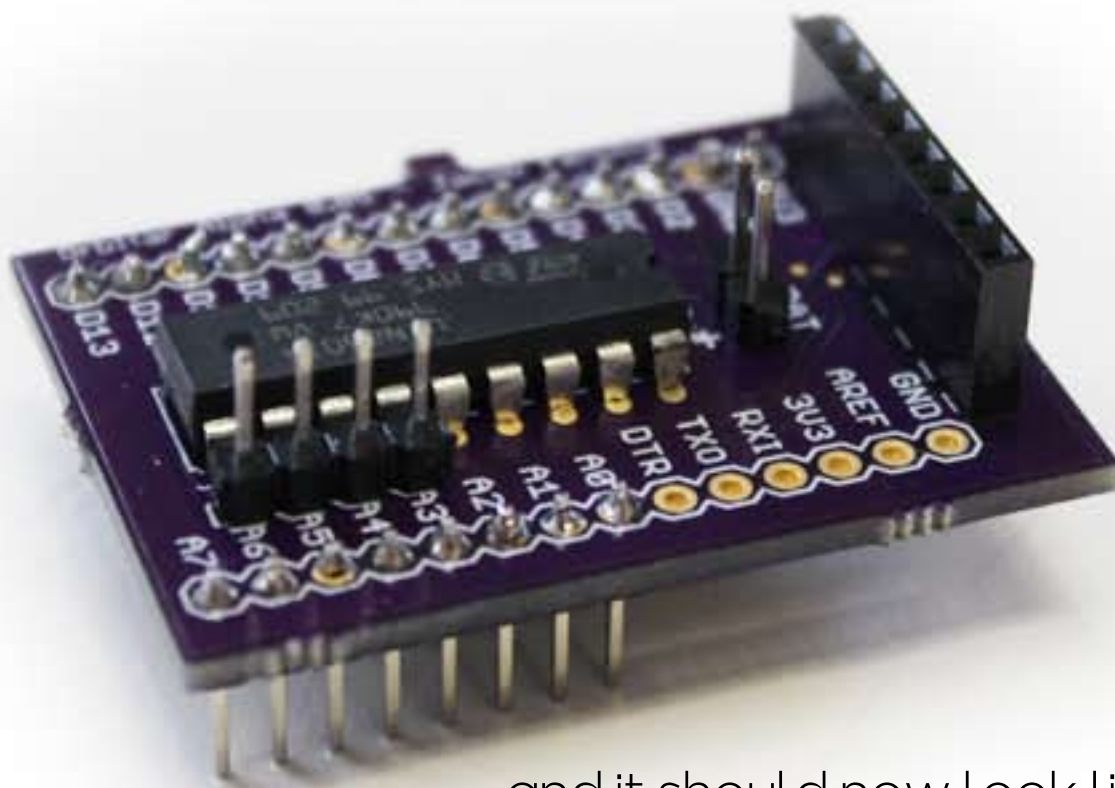
Break off 2 headers for the battery slot and 4 headers for the LED slot. Insert into the board with the long pin facing up. Solder.

Break off 8 female headers for the sensor slot. Solder.

and it should now look like this!

Break off 8 pins for the accelerometer.
Insert into the female headers on the board.

Solder, and voila!