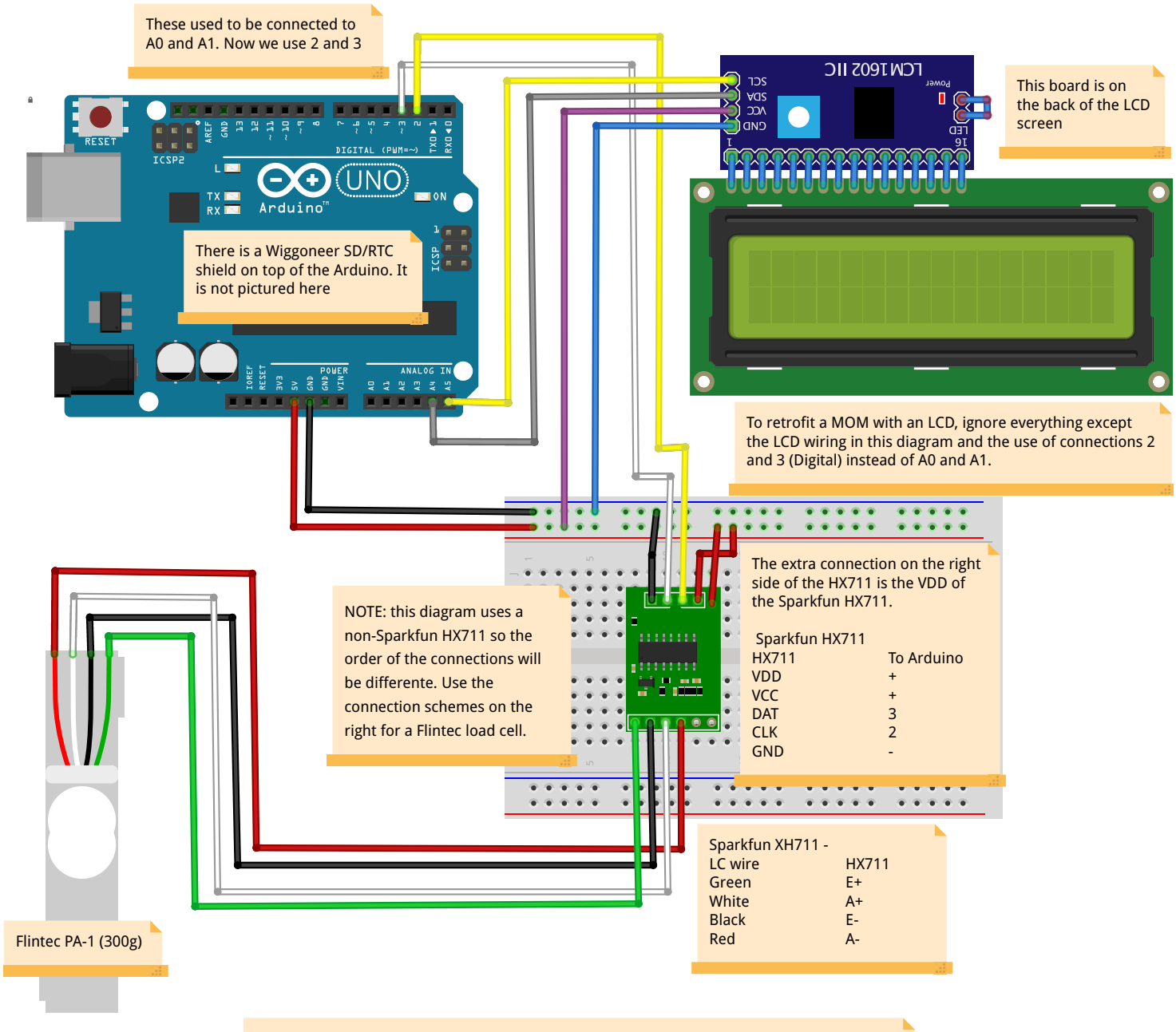
These used to be connected to A0 and A1. Now we use 2 and 3
This board is on the back of the LCD screen
There is a Wiggoneer SD/RTC shield on top of the Arduino. It is not pictured here
To retrofit a MOM with an LCD, ignore everything except the LCD wiring in this diagram and the use of connections 2 and 3 (Digital) instead of A0 and A1.
NOTE: this diagram uses a non-Sparkfun HX711 so the order of the connections will be differente. Use the connection schemes on the right for a Flintec load cell.
The extra connection on the right side of the HX711 is the VDD of the Sparkfun HX711.
Sparkfun HX711
HX711 To Arduino
VDD +
VCC +
DAT 3
CLK 2
GND -
Sparkfun XH711 -
LC wire HX711
Green E+
White A+
Black E-
Red A-
Flintec PA-1 (300g)
This system works with the LCD screen. It collects data and saves it to the SD card at 10.5 sample per second with an unmodified HX711. When I modify the HX711 to do 80SPS, I can get nearly 80SPS when not averaging samples at all. About 40 when averaging every 2. About 30 when averaging every 3.
fritzing