Raduino Pinout

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Raduino shipped 12/23/2016
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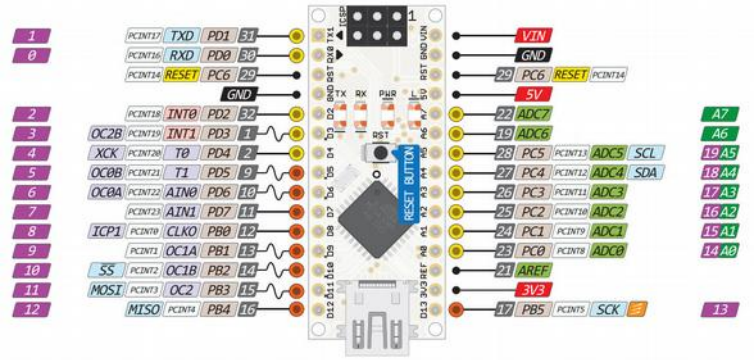

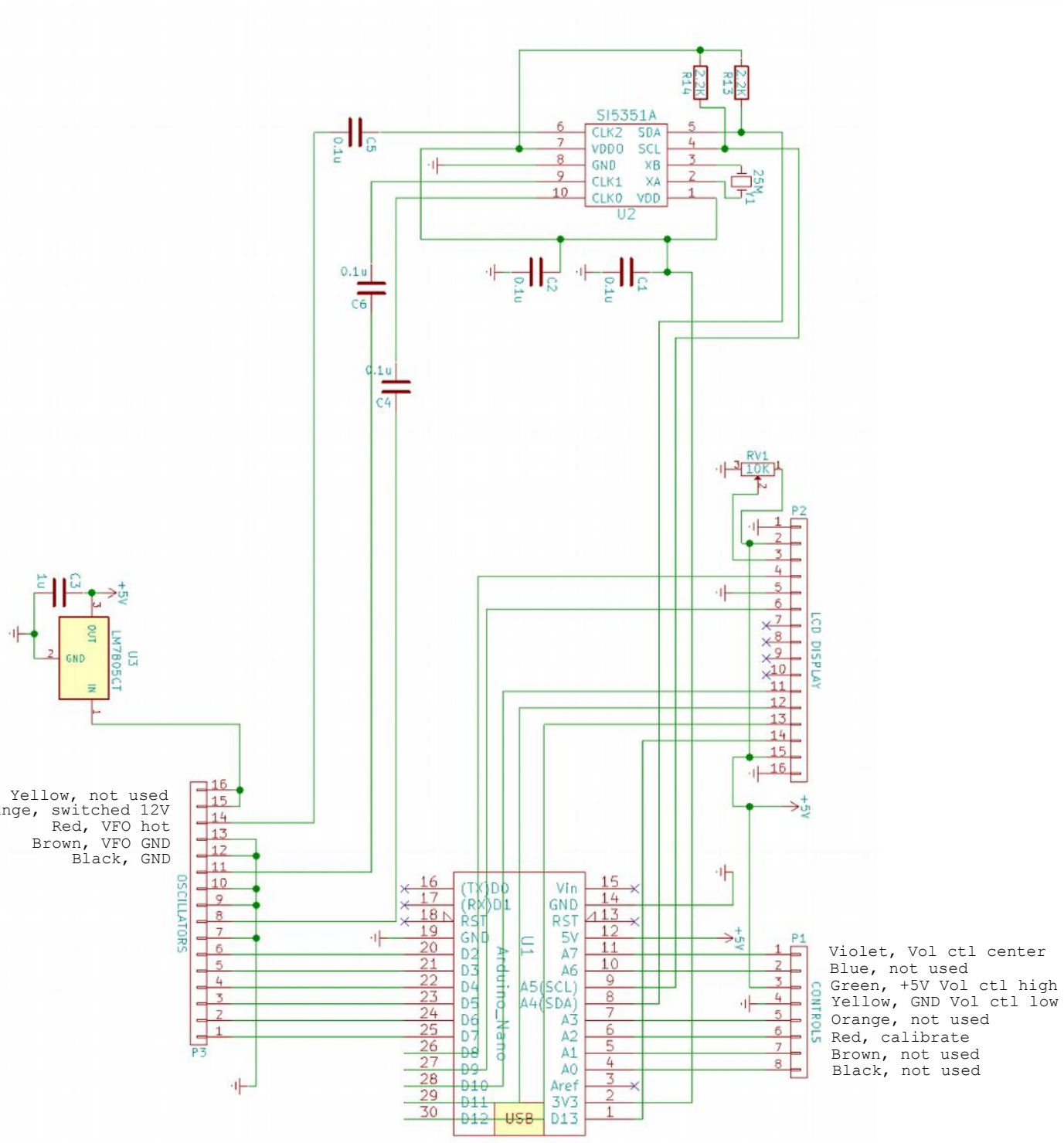

From the code. A bit of hint of the operation for the IO pins.

```
/**
 * We need to carefully pick assignment of pin for various purposes.
 * There are two sets of completely programmable pins on the Raduino.
 * First, on the top of the board, in line with the LCD connector is an 8-pin connector
 * that is largely meant for analog inputs and front-panel control. It has a regulated 5v output,
 * ground and six pins. Each of these six pins can be individually programmed
 * either as an analog input, a digital input or a digital output.
 * The pins are assigned as follows:
 *       A0,   A1,  A2,  A3,   +5v,   GND,  A6,  A7
 *      BLACK BROWN RED ORANGE YELLW  GREEN  BLUEVIOLET
 *      (while holding the board up so that back of the board faces you)
 *
 * Though, this can be assigned anyway, for this application of the Arduino, we will make the following
 * assignment
 * A2 will connect to the PTT line, which is the usually a part of the mic connector
 * A3 is connected to a push button that can momentarily ground this line. This will be used to switch between
different modes, etc.
 * A6 is to implement a keyer, it is reserved and not yet implemented
 * A7 is connected to a center pin of good quality 100K or 10K linear potentiometer with the two other ends
connected to
 * ground and +5v lines available on the connector. This implments the tuning mechanism
 */

#define ANALOG_KEYER (A1)
#define CAL_BUTTON (A2)
#define FBUTTON (A3)
#define PTT   (A6)
#define ANALOG_TUNING (A7)

/**
 *  The second set of 16 pins on the bottom connector are have the three clock outputs and the digital lines to
control the rig.
 *  This assignment is as follows :
 *    Pin   1   2    3    4    5    6    7    8    9    10   11   12   13   14   15   16
 *        +5V +5V CLK0  GND  GND  CLK1 GND  GND  CLK2  GND  D2   D3   D4   D5   D6   D7
 *  These too are flexible with what you may do with them, for the Raduino, we use them to :
 *  - TX_RX line : Switches between Transmit and Receive after sensing the PTT or the morse keyer
 *  - CW_KEY line : turns on the carrier for CW
 *  These are not used at the moment.
 */

#define TX_RX (7)
#define CW_TONE (6)
#define CW_KEY (5)
#define TX_LPF_SEL (4)
```