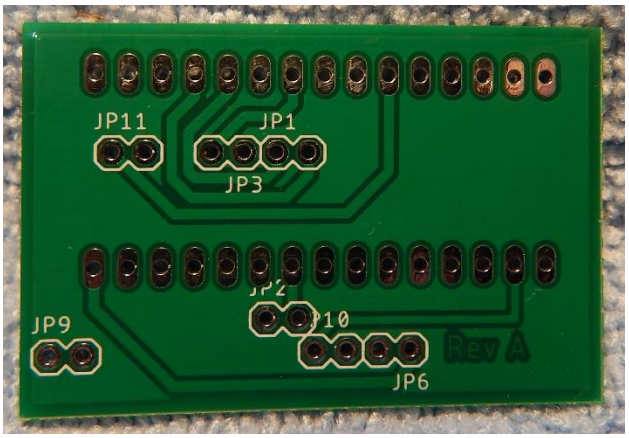
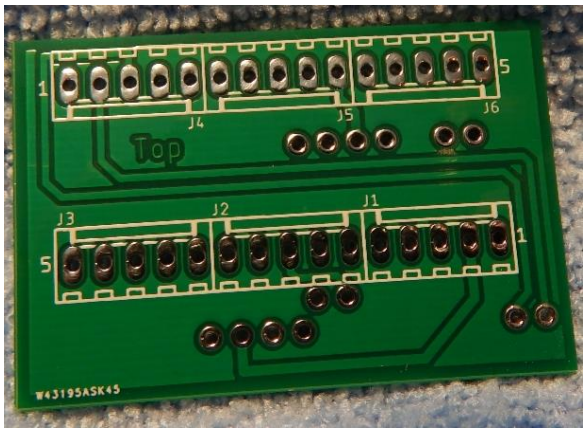
Nano Mini Adapter Board

4 September 2020

It is sometimes difficult to purchase 3.3-volt core Arduino Mini processors. These processors are used with the Digital VFO kits. This Printed Circuit Board allows the use of the Arduino Nano in place of the Arduino Mini.





Steps to assemble are quite simple but you do have a couple of options.

- Not all boards will need JP9 connections.
- Likewise, some boards will not need the JP10 connection on this board.
- You may not want to solder the Arduino Nano to the board so you can purchase some standoffs that will allow you to just plug the Nano into the board.

Steps for Assembly:

- ☐ Place the Header pins into the Digital VFO board where the Arduino Mini pins should be located, just as you normally would do using the Arduino Mini. (This makes it easier to align the pins with the Adapter Board.

DO NOT Solder the Header pins to the Digital VFO board at this time.

- ☐ Place the Adapter Board on top of the header pins with the TOP of the Adapter Board facing away from the VFO board.
- ☐ Solder the header pins to the Adapter Board. (Note: You may not be using all header pin locations.

- ☐ Remove the Assembled Adapter Board from the back of the Digital VFO board being careful not to bend any pins.
- ☐ Place the Arduino Nano into the appropriate holes on the “TOP” of the Adapter Board. (As noted previously you can use sockets).
  The USB mini connection should be on the side closest to the Top label on the board. (to the left on the photo).
- ☐ Solder the Arduino Nano to the Adapter Board.
- ☐ Check your solder connections.
- ☐ Re-mount the Adapter Board to the back of the Digital VFO module.

The kit is now complete and ready for use.