

The K3NG keyer shield for Arduino Atmega2560.

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I recently saw someone looking for a Winkeyer on Swop Shop and this triggered my curiosity so I went looking for it using Google. I then came across the K3NG keyer which uses an Arduino board and having an Arduino Uno available, I downloaded the code and programmed the Uno and it worked!

K3NG really went to town when he wrote the code for the K3NG keyer. I found that you need to use an Arduino Atmega2560 if you wanted to implement most of the important features. The UNO was just a little too small. Someone familiar with Arduino code can probably make it work on an Uno. But the cost of the Atmega2560 on eBay is quite reasonable, you can get them for about R100.

I offered to build a shield for the K3NG keyer and the person looking for a keyer was happy to test it.

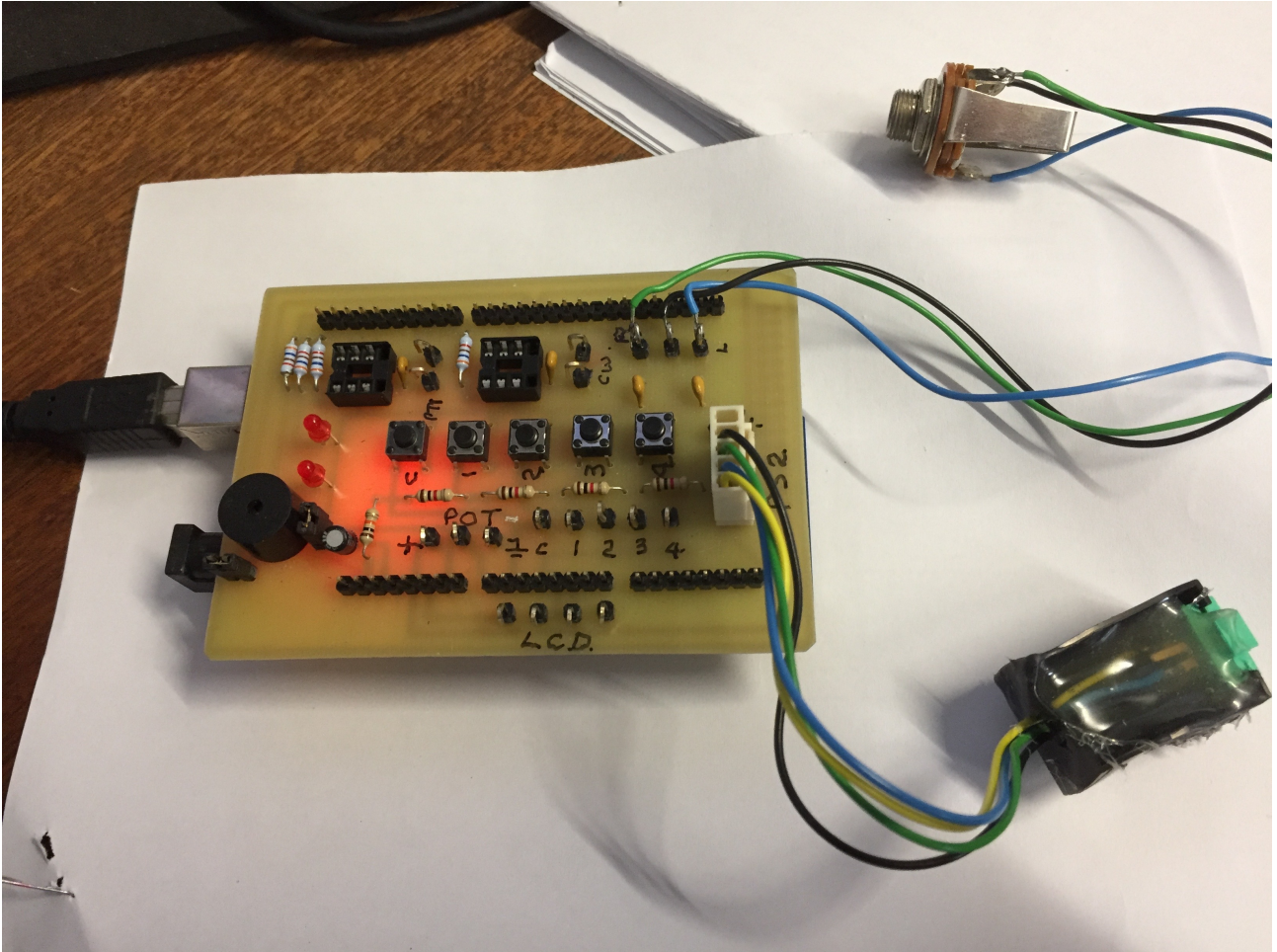
You can have a look at K3NG's website here:

<https://blog.radioartisan.com/arduino-cw-keyer/>

What you find is a more or less complete manual for the use of the keyer, and a reference to Github where you can download the program in a ZIP file. K3NG's website is one of the better ones I have visited and his code also worked first time.

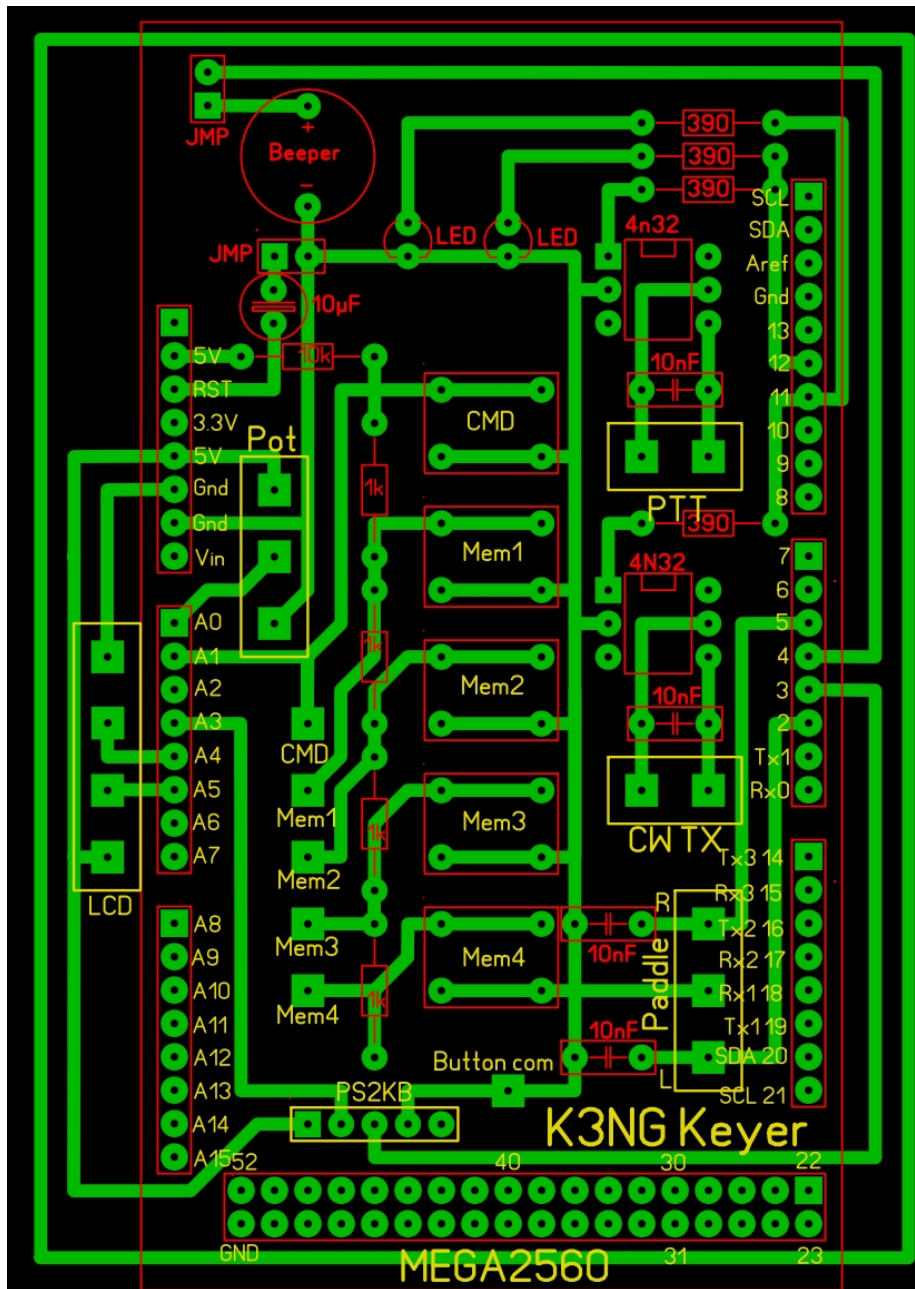
The keyer connects to your CW connector on your HF radio via optocouplers to isolate the keyer from the radio. There

is a connector for a paddle key on the keyer, another for a keyboard with a PS2 connector, and of course the Atmaga2560 has a USB port so you can connect it to a USB port on your computer as well.



I designed the board using Sprint Layout6 from Abacom in Germany. It is an easy program to learn to use with a short learning curve. I will publish the file and the Gerber files so you can make your own if you wish.

PC Board:



Sprint Layout Files: