

Readme:

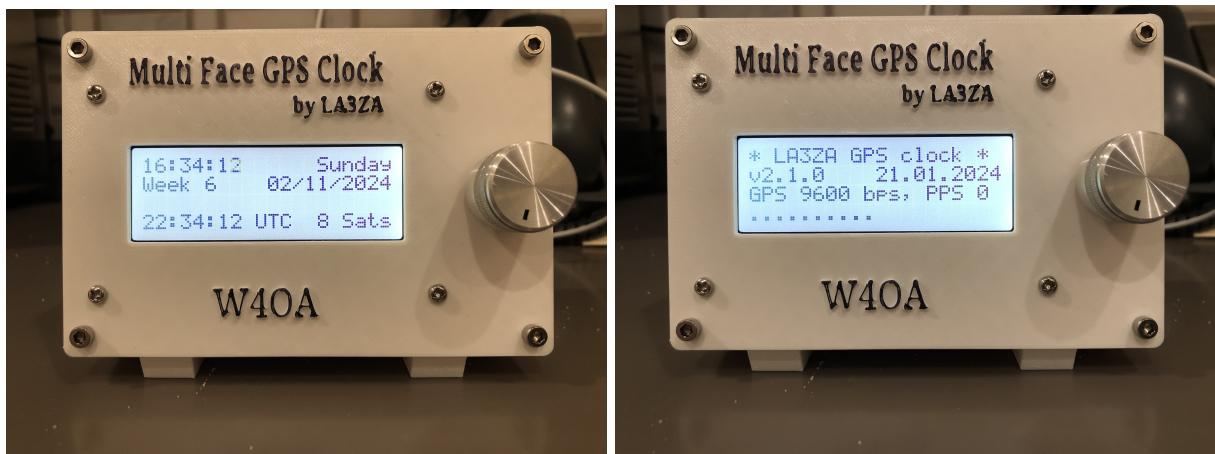
The Multi Face Clock Case is a remix of 20x4 LCD Case with Rotary and RJ45 for GOTEK, by shift838, <https://www.thingiverse.com/thing:5836923>. I added wedge feet to the case to tilt the clock for a better view and a USB-C female breakout board to the case for power and data. The software can be updated without opening the case. The stl files are attached:

Case - Multi_Face_Clock_Case.stl

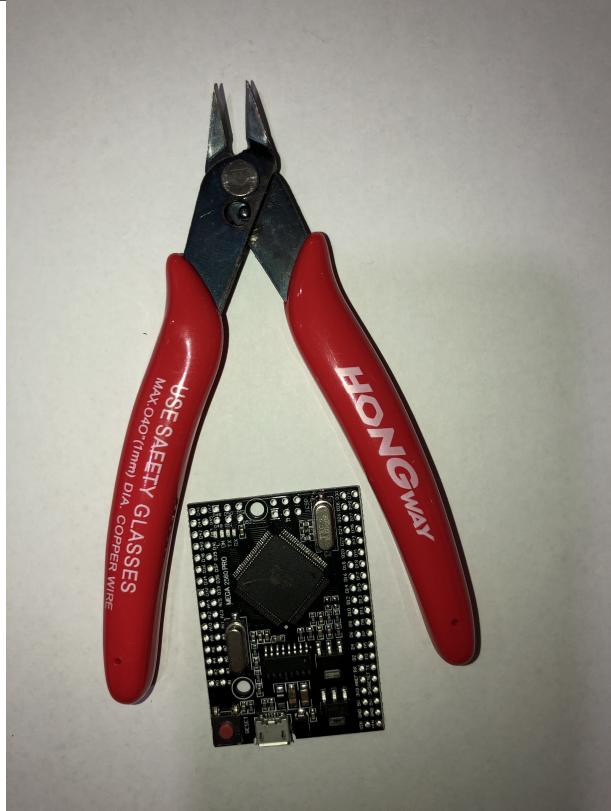
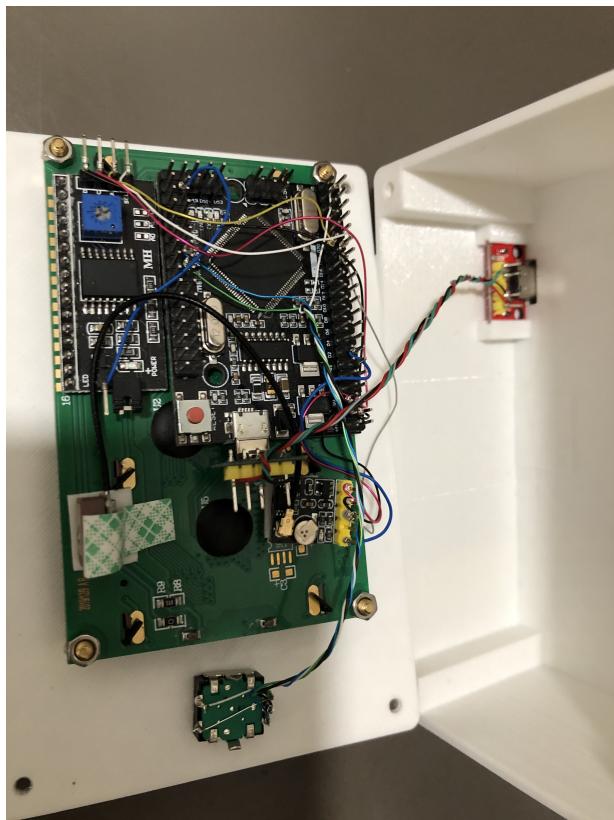
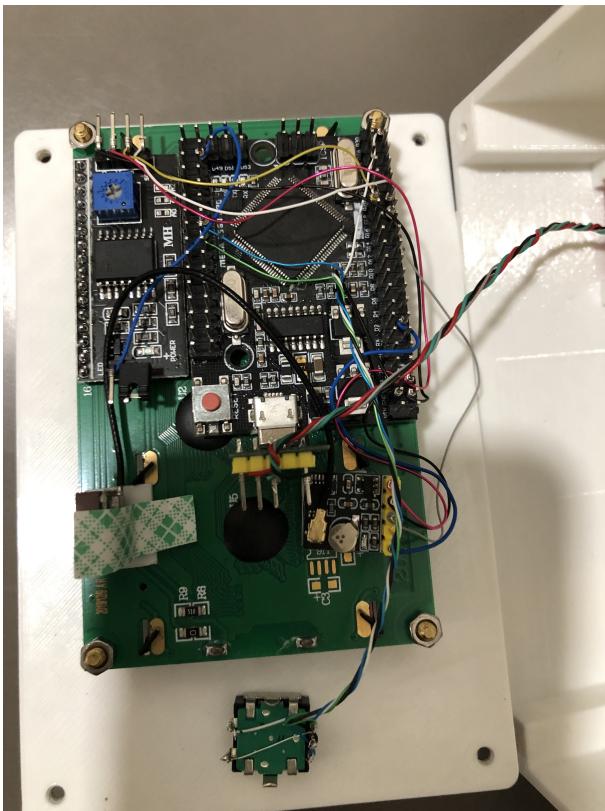
Front - Multi_Face_Clock_Case_Front.stl

You can add custom text to the front of the case using [Tinkercad](#).

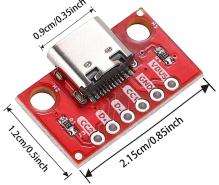
Here are a couple of pictures of my case and screens.



Below are pictures of the inside of the case and a close up of the little Mega Pro board. The Mega Pro, the GPS module, and the GPS bar antenna are all mounted to the back of the LCD module. High quality 3M double sticky tape is used to attach the modules and antenna in a compact assembly. The Mega Pro is compatible with a regular size Arduino Mega module, but much smaller. The Mega Pro module is pictured with a flush cutter to show the size of the module. A male USB-Micro breakout board plugged into the USB connector on the Mega Pro is used to get power and data from the female USB-C breakout board mounted on the back of the case. I used a wire wrap tool and wire wrap wire to make all of the connections.



The stl file for the case is designed for a commonly available USB-C breakout board. The board I used is pictured below and is available from:



[Amazon](#) or [AliExpress](#)

The male USB-Micro connector for the Mega Pro is available in several styles, and is also available from Amazon or AliExpress.

The clock is very innovative and interesting. I really enjoy watching the cascade of faces parade by. It is a very inexpensive and simple to build project!

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