* MSP430 Microcontroller
  + Datasheet: <https://www.ultralibrarian.com/2021/01/28/the-msp430-datasheet-ultra-low-power-mixed-signal-microcontrollers-ulc>
  + Might need to amplify the signal from the electric guitar, so that the signal is strong enough to trigger the tesla coil circuit
  + Has been used for our application in the past, and was successful, although it was with midi files rather than an electric guitar
* FPGA
  + Can realistically do everything we want it to do, most comprehensive of the microcontrollers found