

Pins 9-13 are used by the arduino usb host shield, which uses 3 of the 6 PWM pins on the board (9, 10, 11). There is a way to change these pins as documented here:

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<a href="https://felis.github.io/USB\_Host\_Shield\_2.0/#interface-modifications">https://felis.github.io/USB\_Host\_Shield\_2.0/#interface-modifications</a>

I plan to free up pin 9 (interrupt pin) by changing it to pin A0 in the code config and on the shield (if necessary): Schematic here:

https://5.imimg.com/data5/XK/RR/MY-1833510/usb-host-shield -for-arduino.pdf

## Safety

The motorControllers have a built in safety shutoff if they begin to overheat (max current 43A drill motors shouldnt draw more than 25). I plan to w