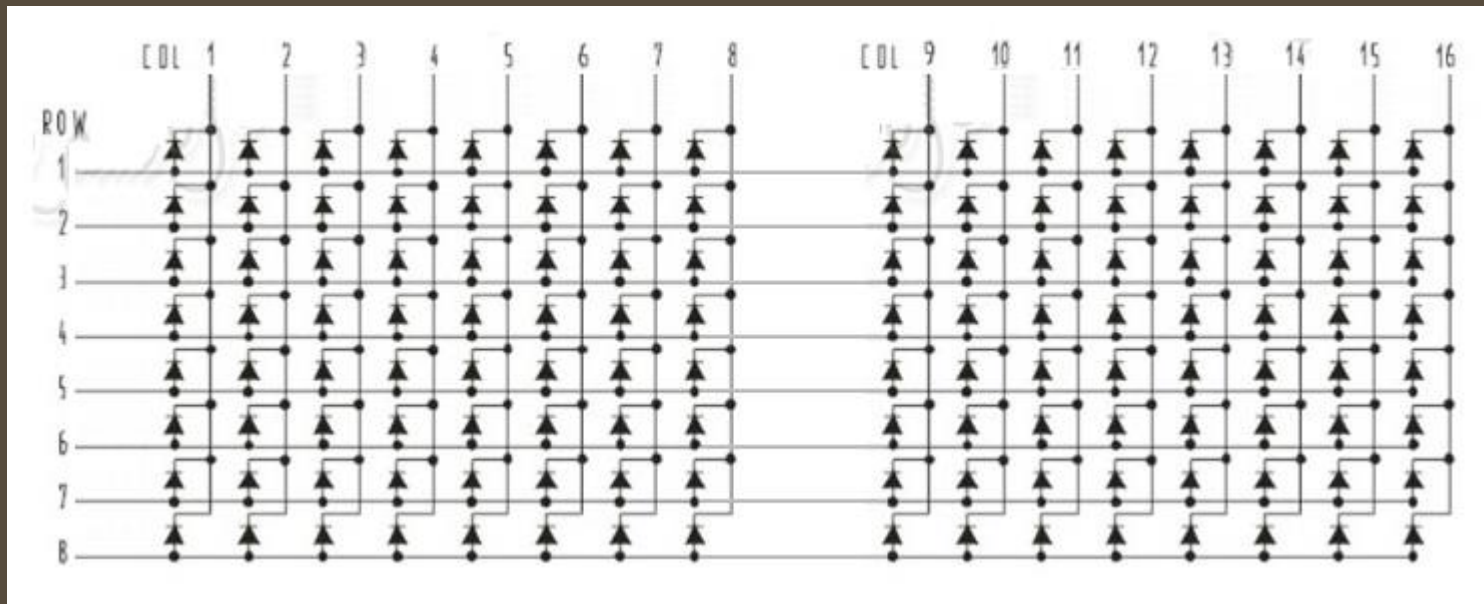# WEEK 4

By William Lash

LED PROTOTYPE

1. I found a simple circuit that use bit-line/word-line architecture with LEDs.

2. I have begun to build this circuit, So that I can better understand how the architecture works.

3. After I understand this simple prototype and find that it does what we require. I'll begin to alter the design to better suit our needs.

CIRCUIT

Here's how it works: we set (and unset) any number of 8 different pins (connected to the "rows" line). Then we pull *one* of the 16 columns low, leaving the other column pins high, thus lighting up to eight LEDs in a single column or one at a time. After a short delay, we then change the eight "row" pins and move along to the next column.

C++

1. I have the read program from the original code working.

2. I've tested it with voltage and current.

3. However, It only gives out values in hexadecimal.

4. So this week I will attempt to have the program show the values in decimal, so it is much more user friendly.

THIS WEEK

1. Finish circuit and run several tests

2. Make the read program more user friendly

3. Brainstorm more function for the high voltage interface