

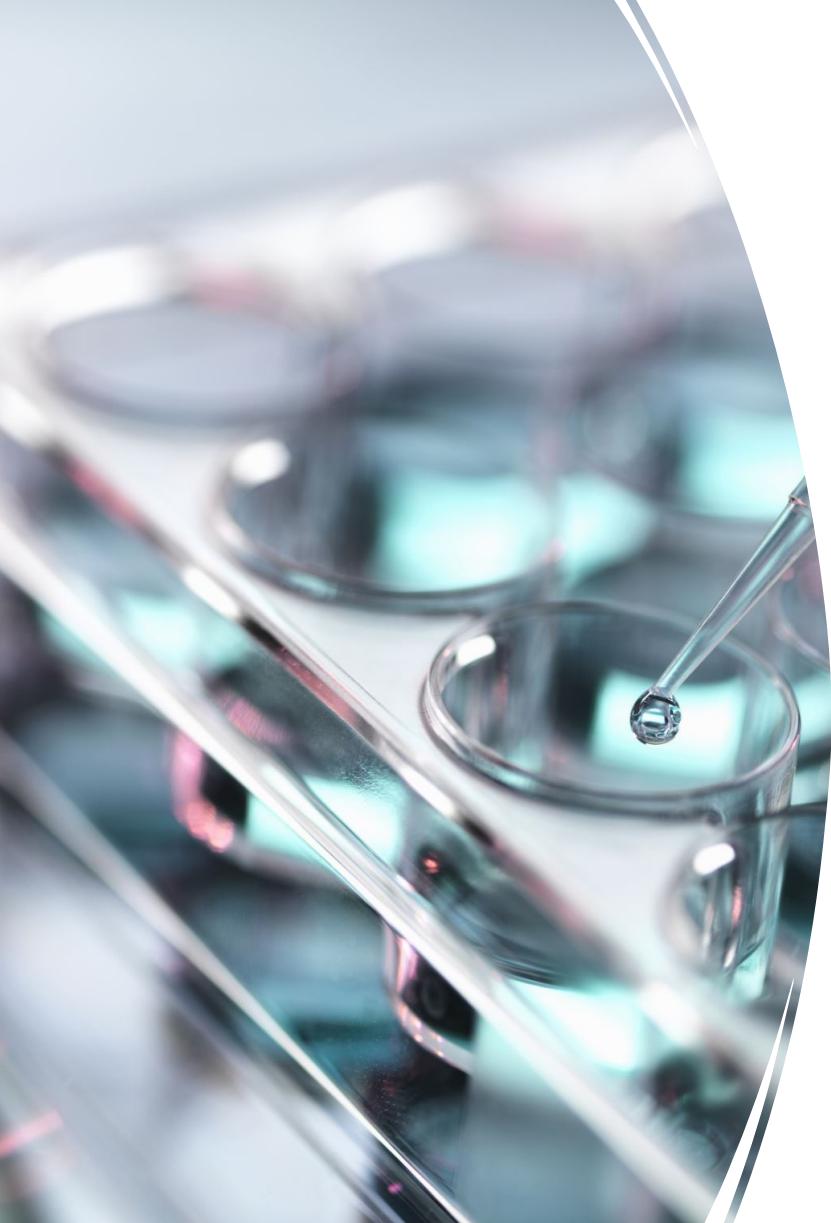
ECE3520 Lab Session 5:

Decoder and Display

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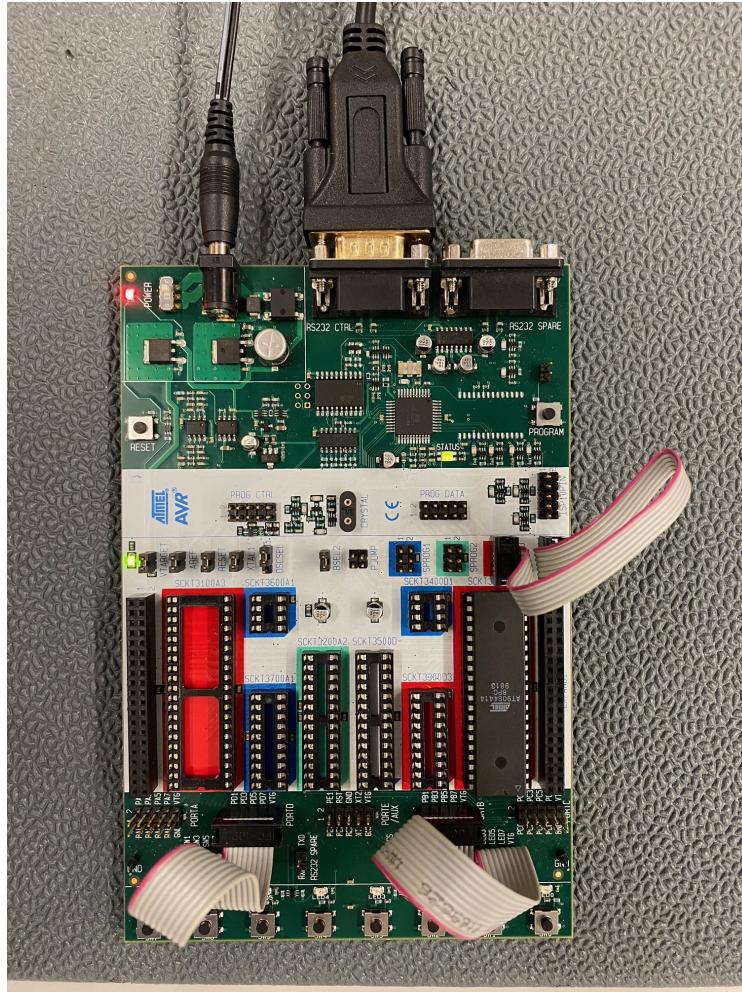


Step1: Lab Preparation

- Prepare your compiled code before starting experiment
- Write a C program for STK500:
 - turns on LEDs where the number of turned-on LEDs corresponds to the key pressed.
For example, if you press SW3, three LEDs are turned on.

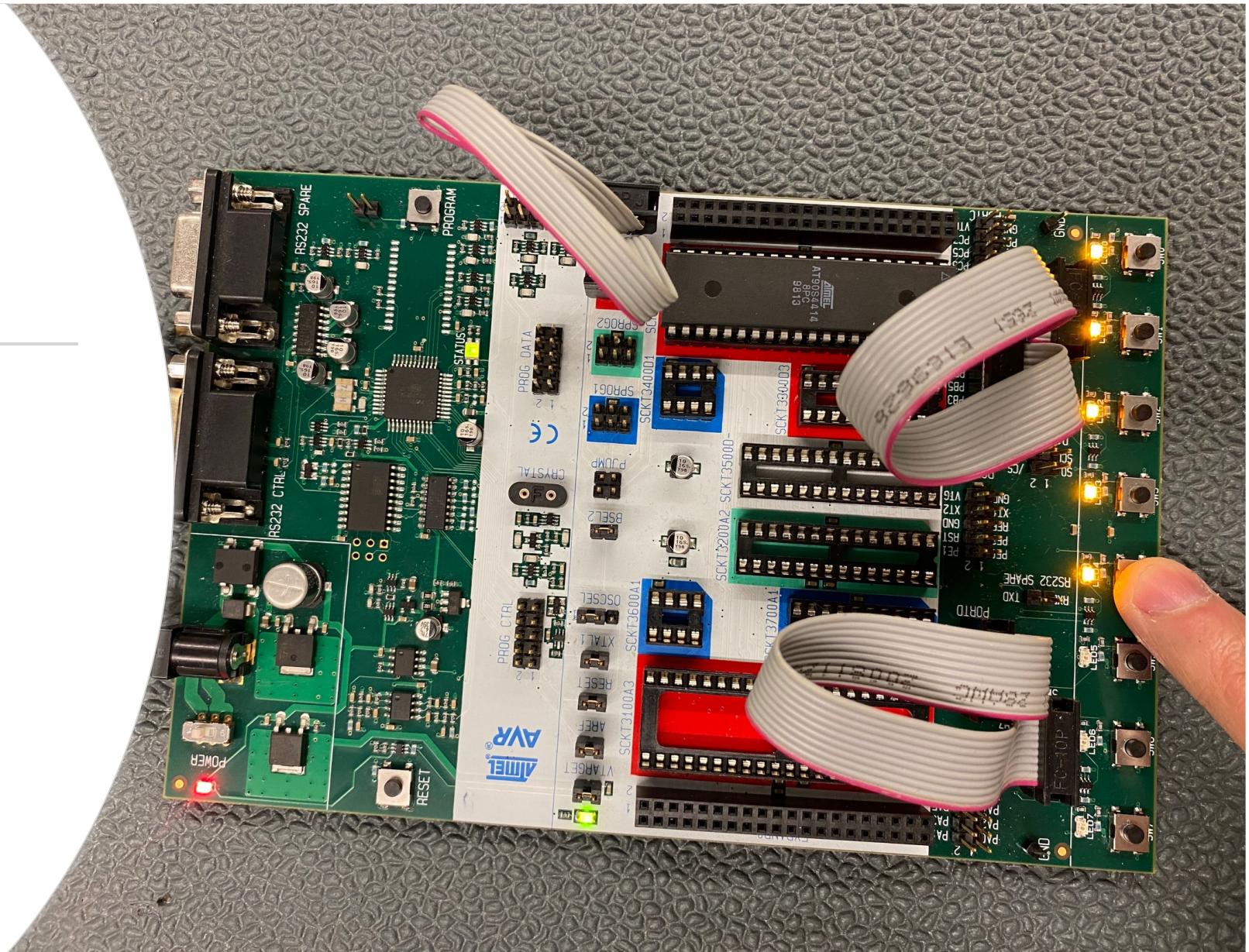
Step2: Configure Experiment

- Set up the STK500 board as in Experiment 4
- Program AT90S4414 using C language
- Download the Hex file onto board after compiling your C code

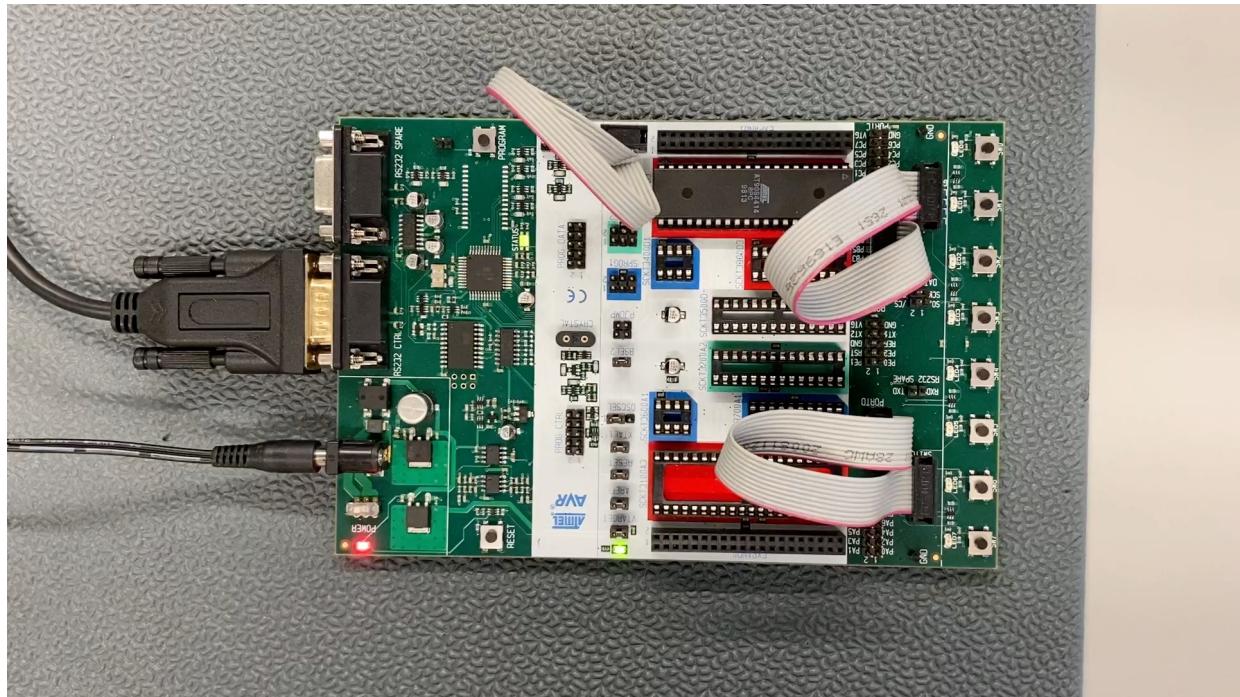


Step3: Test and Observe

- Press each of eight switches
 - Test if your program works correctly



Step4: Demo Video



- Please reference the video after you finished the experiment.

Step5: Open Questions

- What happens if you press multiple switches at the same time?
- Why does your system work this way?

