**EGR326 PreLab4 F22**

**Rotary Encoder and Keypad**

Embedded systems often include local means to enter data. This lab will include two means to enter data- via a mini keyboard or a rotary encoder with pushbutton switch.

**To prepare for this week’s lab:**

1. Become familiar with the keypad code presented in lecture.
2. Download the data sheets for the rotary encoder from Blackboard. NOTE: the supply voltage for the module requires should be 3.3V.
3. Prepare schematics, including power and ground, MSP432 port pin assignments for all three parts of the lab.
4. Be prepared to explain how to determine rotary encoder direction.