

Reset monitored using push button  
Use PC0

Use a variable resistor potentiometer from tech support.

Attach the output of the power circuit to pin PE7

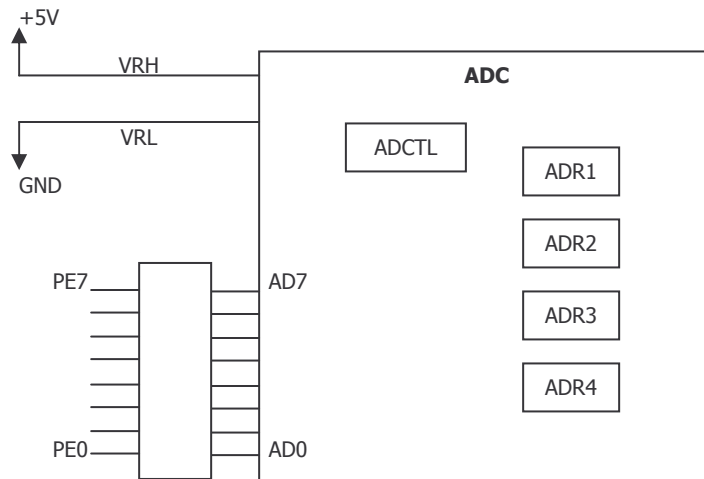
## A/D Converter

VRH – attached to +5v

VRL – attached to GND

A reading of 0 = 0v

A reading of 256 = 5v



$$\Delta V = \frac{V_{RH} - V_{RL}}{256}$$

## ADCTL

When you request a sample, it does for and then announces completion in the CCF.

CCF	-	SCAN	MULT	CD	CC	CB	CA
0	0	0	0	0	1	1	1

MULT – one pin or several

SCAN – if on, you write to the ADCTL only once and it continuously does A/D conversion

## Turning on AD/C

Need to write a 1 to ADPU, which is in the OPTION register in the bootstrap code.

## Switches

When you push a switch, the contact breaks ... switch bounce. The process of filtering the bounce is known as **debouncing** the switch.

Most switches stop vibrating in around 2 – 5 ms. If sample 10, 15, 20 times in a row and get high,