Cameron Neville

EEEE420 – Embedded Systems

Lab 07

The baseline touch sensor value was 0x0039, which was then adjusted to 0x0037. When the button was pressed it was found to have a value of 0x0033. The delay took 66 clock cycles, which at 1.1 MHz corresponds to 60 us. To debounce, two threshold values were made. One was used to transition from pressed to depressed and the other to transition from depressed to pressed. This prevented the LED toggle several times per press.