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EC450 A1

Spring 2015

Homework 2

**Circuit Test**

The active high tests were conducted using an oscilloscope for measuring voltage and a multimeter for measuring current. The P1.0 output pin of the Launchpad board was connected to the positive side of the multimeter and the negative side connected to the resistor which was grounded. The oscilloscope was connected before the resistor and to ground.

The following resistor values were used during testing:

1 Ω, 3.9 Ω, 7.5 Ω, 10 Ω, 560 Ω, 1K Ω, 2K Ω, 10K Ω, 51K Ω, 100K Ω

The active low tests used a power supply to supply 2.5V to the VCC line in the circuit. VCC was connected to the resistor and then the multimeter connected to the resistor and V from the MSP430. Again, the oscilloscope is connected at the output of pin P1.0. The same set of resistors is used for the active low test.