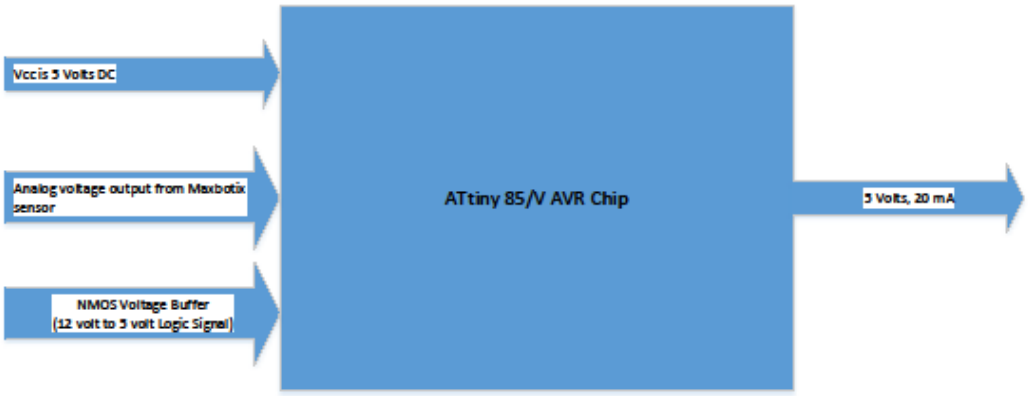
Level 0 Block Diagram



Module	AVR 8-Bit Microcontroller
Inputs	- 5 Volts DC power
	- Analog voltage from sensor
	- Logic Signal from NMOS Voltage Buffer
Output	- 5 Volts, 20 mA to LED
Functionality	Responsible for controlling output to LED. Based on the analog voltage output from the sensor (V≤820 mV) and the voltage output from the NMOS transistor (V=5 V), the AVR will turn LED on. If those values are not met, LED will stay off and AVR continue to read values from sensor and transistor.