Date: 1/15/09

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University of Florida Department of Electrical and Computer Engineering EEL 5666 Intelligent Machines Design Laboratory Weekly Report 2

Ported and modified code from the arduino environment to run in avr studio. So far I have timer, adc, lcd, and uart code working. I have done a lot of testing with hyperterminal. I have connected sensors to the adc and read values.

I soldered a protoboard that plugs into my atmega 128 board. The protoboard maps out 5V and gnd signals for each i/o pin

Commentary on the Laboratory (Optional)

I would like to see female board to board headers available in lab. I also wish I had access to a disk sander, but I understand this is quite a bit to ask for.