CPE301 – SPRING 2019

Design Assignment 4A

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Primary Github address: https://github.com/cdaniel64/blassen/

Directory: DA4/DA4A

1. **COMPONENTS LIST AND CONNECTION BLOCK DIAGRAM w/ PINS**

List of Components used

Block diagram with pins used in the Atmega328P

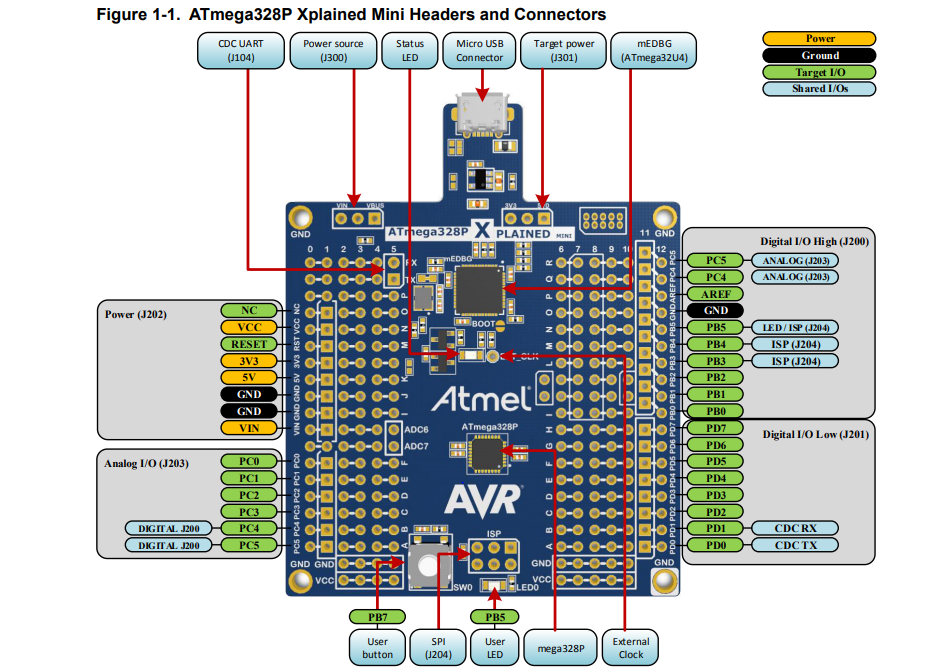
Motor Driver

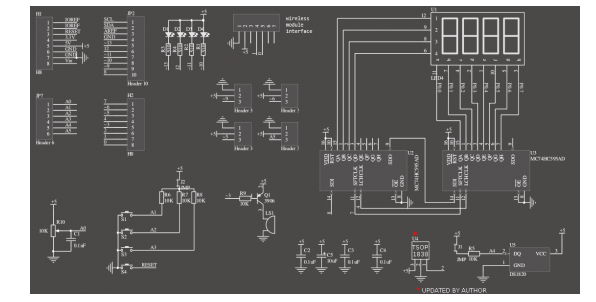
Potentiometer (to regulate motor speed)

Switch

Breadboard

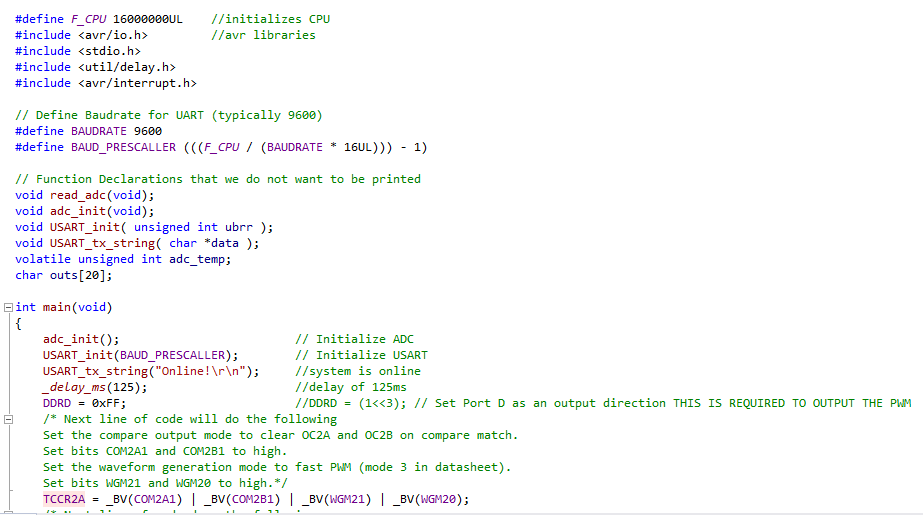
Debugger

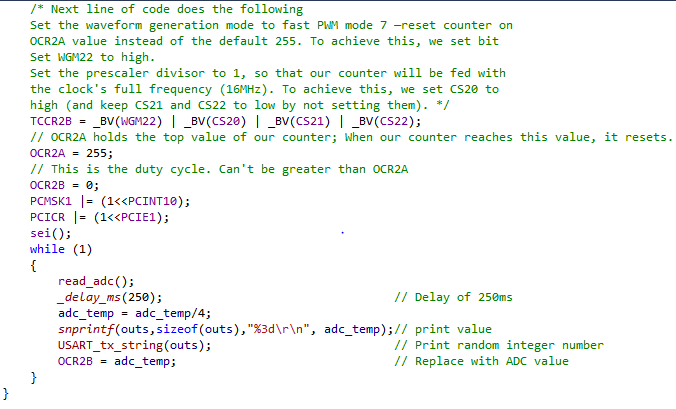


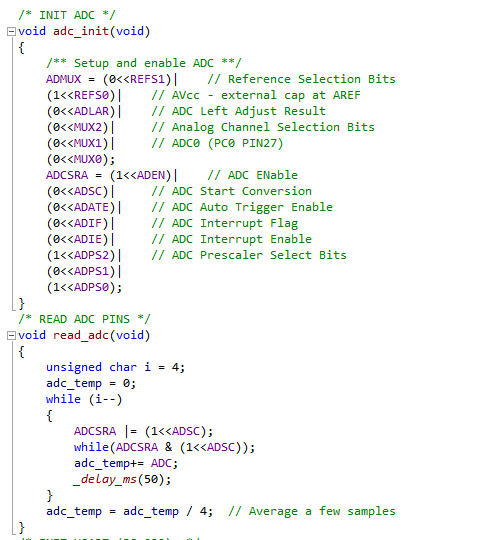


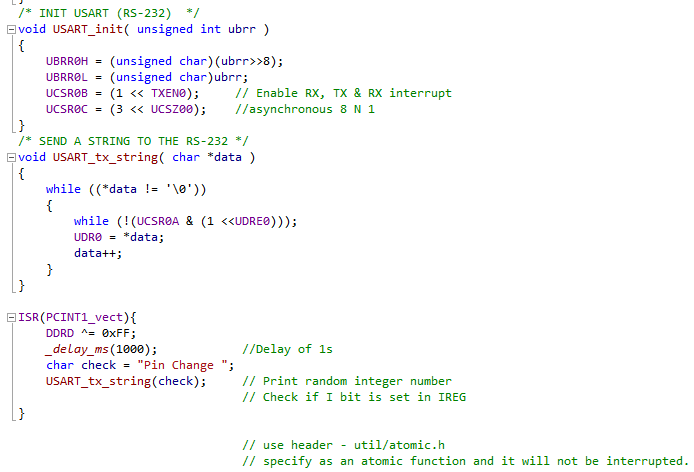
1. **INITIAL/MODIFIED/DEVELOPED CODE OF TASK 1/A**

**ALL CODE IN NOTEPAD SO ITS CLEANER**

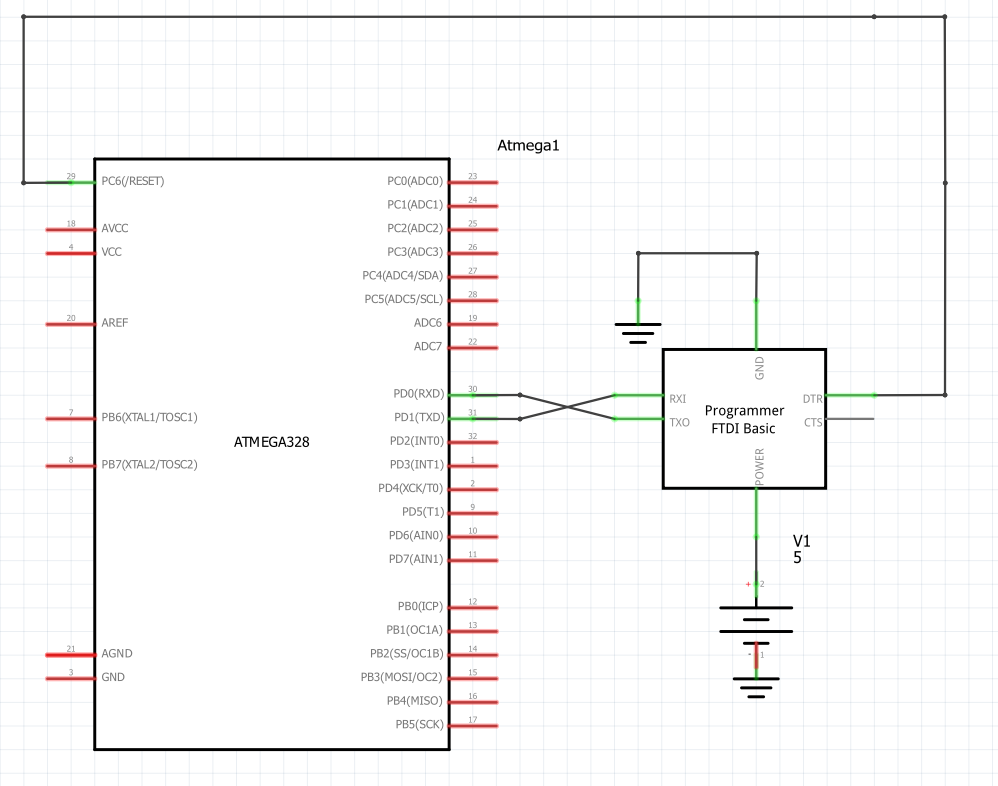








1. **SCHEMATICS**

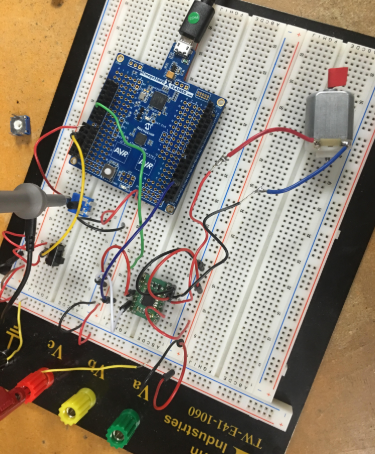


Use fritzing.org

1. **SCREENSHOTS OF EACH TASK OUTPUT (ATMEL STUDIO OUTPUT)**

**Did not display any output on atmel studio**

1. **SCREENSHOT OF EACH DEMO (BOARD SETUP)**



1. **VIDEO LINKS OF EACH DEMO**

[**https://youtu.be/bJ2NdZbQD00**](https://youtu.be/bJ2NdZbQD00)

1. **GITHUB LINK OF THIS DA**

<https://github.com/cdaniel64/blassen>

**Student Academic Misconduct Policy**

<http://studentconduct.unlv.edu/misconduct/policy.html>

“This assignment submission is my own, original work”.