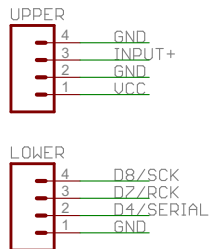
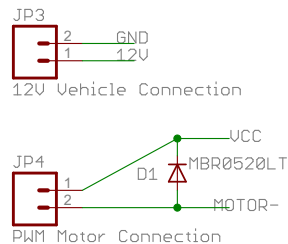


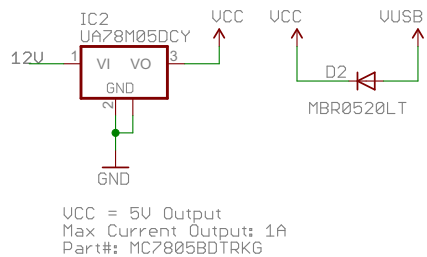
## Connection to TopPCB



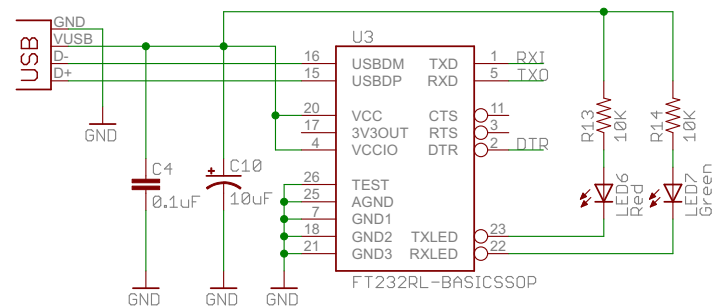
## Motor and 12V



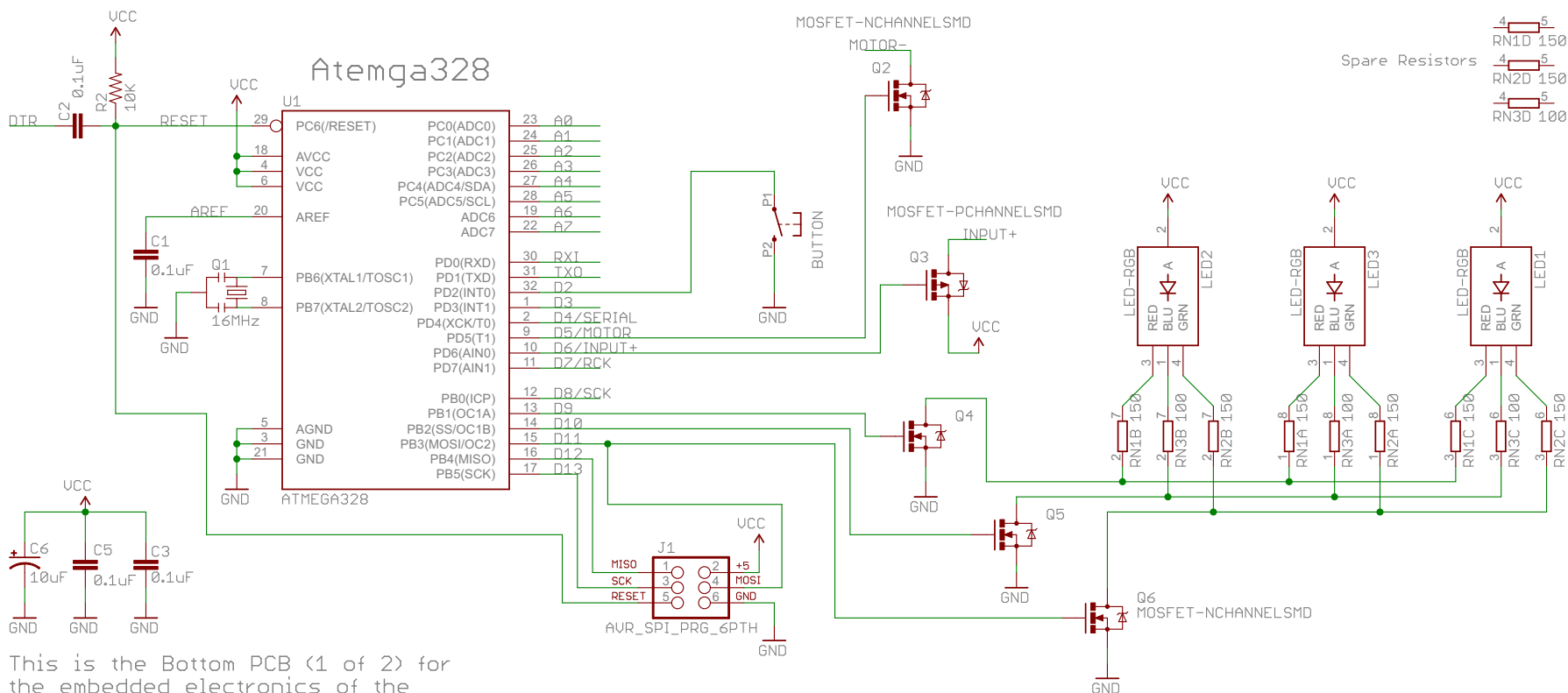
## Power Regulation



## I/O Connection



## Atmega328



This is the Bottom PCB (1 of 2) for the embedded electronics of the Haptic Feedback Shift Knob. Implemented with the OpenXC platform.

Original Arduino Mini Design by Team Arduino  
Arduino Pro Mini Design by Spark Fun Electronics



Ford Motor Company

TITLE: BottomPCB

Author: Zachary Nelson  
znelson1@ford.com

REV:  
02

Last Saved Date: 5/29/2013 2:01:47 PM Sheet: 1/1