



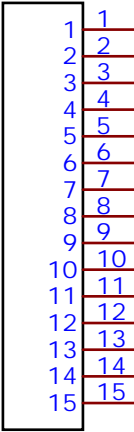
15 Pin Molex Connector Pinout  
(View Facing Front of Bike)

5	10	15
4	9	14
3	8	13
2	7	12
1	6	11

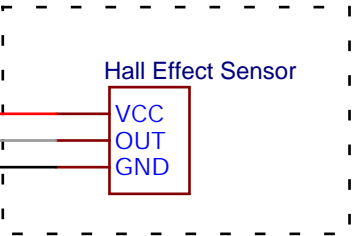
CABLES

Cable	Description
A	Wires Exiting Molex Connector Pins: 15, 14, 9, 4
B	Wires Exiting Molex Connector Pins: 5, 10, 2, 1
C	Wires Exiting Molex Connector Pins: 13, 12, 8, 3, 7

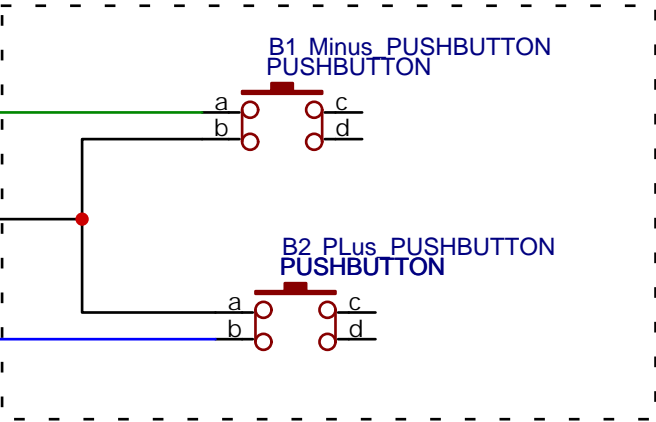
15 Pin Molex Connector (Outputs)



To Motor Controller    See Sheet 3 For Connection Details



LCD-16X2

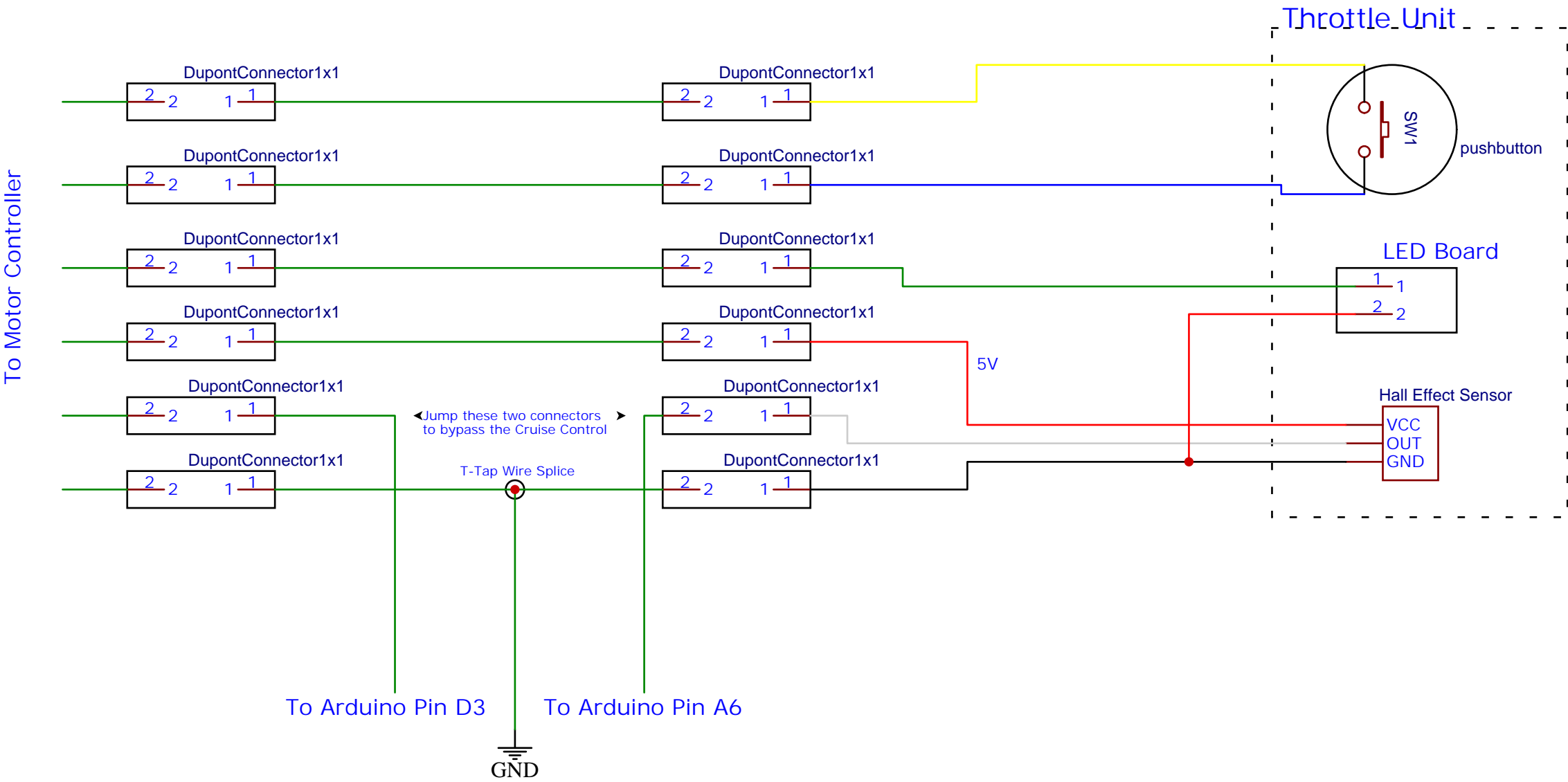


See Sheet 4 Stripboard Layout B

NOTE: Gray wires shown here indicate white wires on the bike

This sheet is to help you understand the route the hall effect output wire takes to the Molex Connector

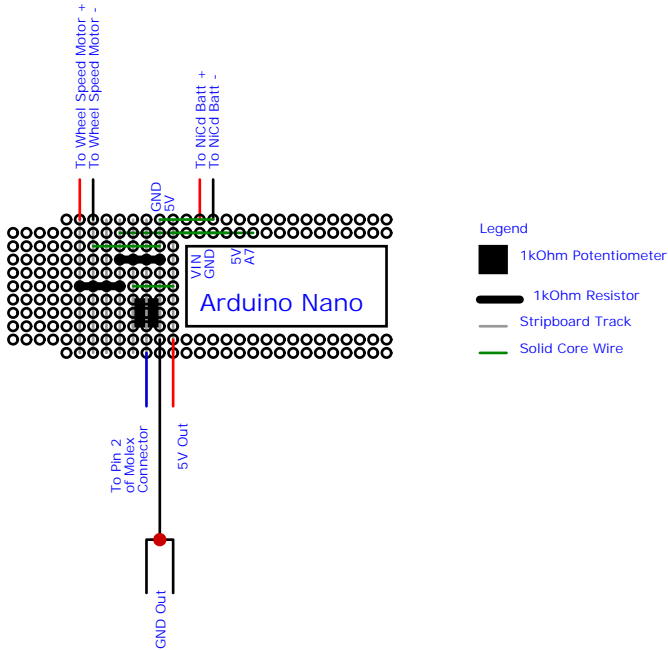
Also detailed here is how the throttle unit is connected to the both the cruise control and powertrain systems and how to bypass the cruise control system and revert the bike back to its original powertrain



This sheet is a guide to help you understand the layout of components on the Arduino and button protoboards  
Best if used while referencing the actual implementation  
You'll need to zoom in to see these. As of 10/28/19, EasyEDA does not support component scaling

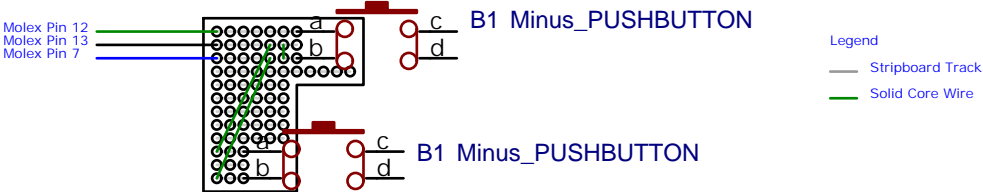
Stripboard Layout A: Arduino Board

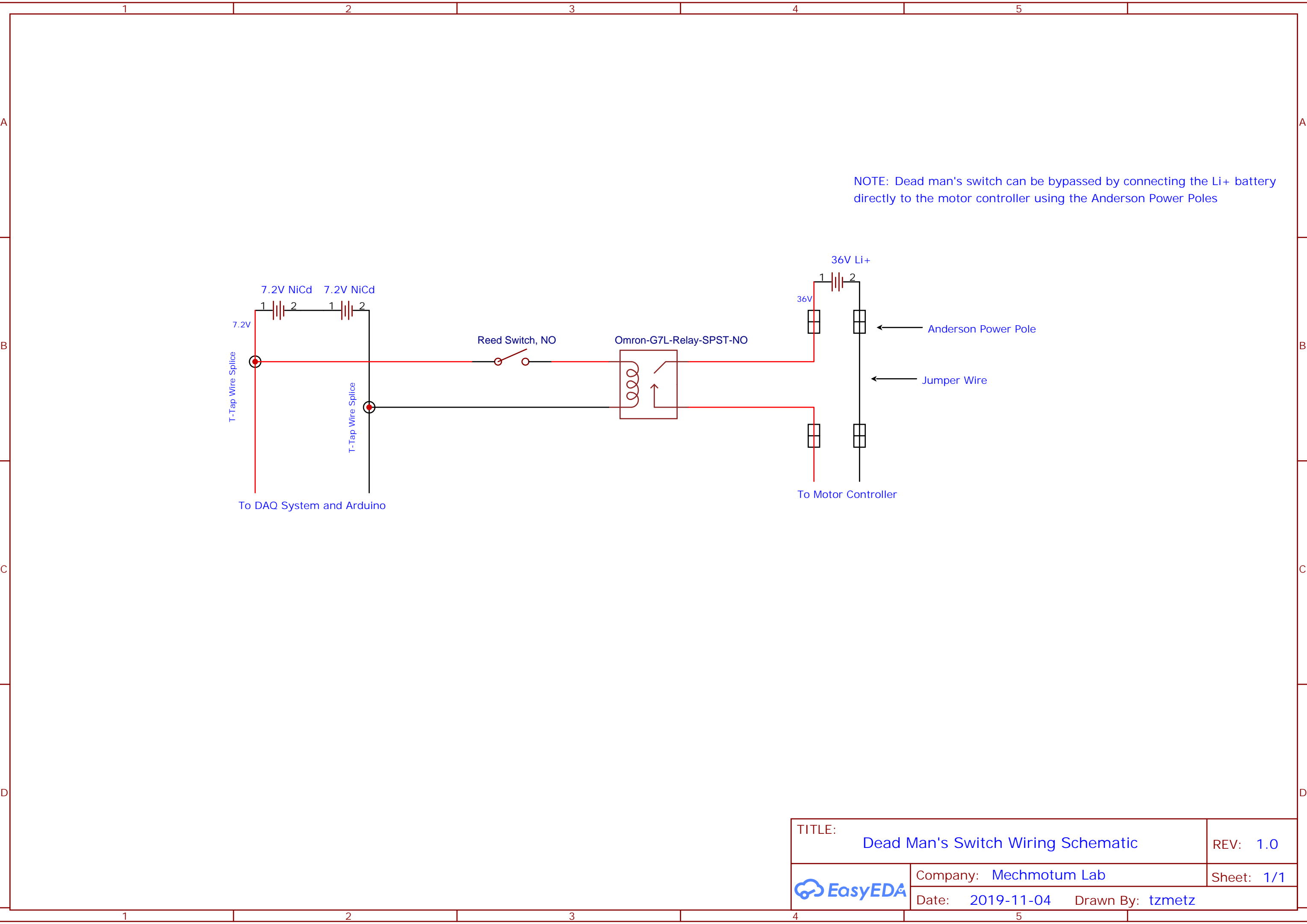
Note: stripboard tracks are vertical  
Unless otherwise noted,  
assume tracks to be uninterrupted




Stripboard Layout B: Button Board

Note: stripboard tracks are horizontal  
Unless otherwise noted,  
assume tracks to be uninterrupted





TITLE: Dead Man's Switch Wiring Schematic		REV: 1.0
	Company: Mechmotum Lab	Sheet: 1/1
	Date: 2019-11-04 Drawn By: tzmetz	