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Lab 2 Objectives

- 1) Learn how to look up datasheets on the web, then how to read them.
- 2) Inventory your parts.
- 3) Learn how the H-bridge and motors work.
- 4) Test your H-bridge and motors.
- 5) Build your vehicle, and verify it will run straight using only a breadboard.

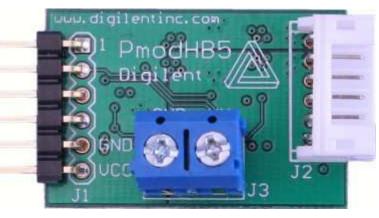
Lab 2 Help

- 1) The robotic vehicle is sold by Digilent, Inc. (www.digilentinc.com)
- 2) It has DC motors and gears, NOT a servo motor.
- 3) The kit is discontinued, but information is still available online.
- 4) You will need the basic assembly instructions. You will work with the Sakura board later.

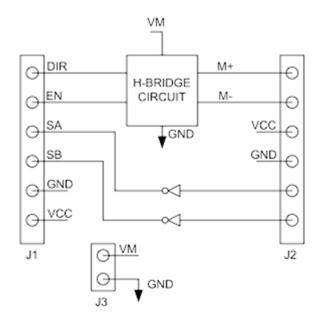
Lab 2 – motor driver (H-bridge) – PmodHB5

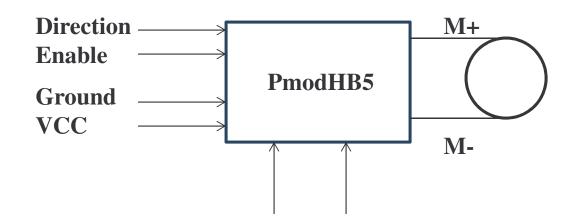
<- to computer control

<- to computer power



Motor power





to motor ->



Computer Engineering