Devboard-HBS Beta Test

Thank you for participating in the beta test for the DevBoard-HBS low-voltage dual motor controller.
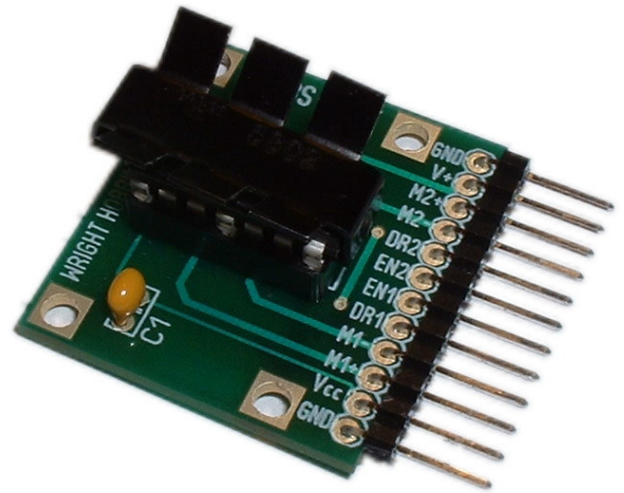
Documentation is being developed in conjunction with this beta. Please visit the beta forums at http://www.wrighthobbies.net for information on this product and to provide feedback.

Please see the datasheet for the FAN8200 for more information.

http://www.fairchildsemi.com/ds/FA/FAN8200.pdf

Pin Functions

GND	Ground
V+	Motor Power 2.5v – 7v, 9v Max
M2+	Motor 2 Lead
M2-	Motor 2 Lead
DR2	Motor 2 Direction
EN2	Motor 2 Enable
EN1	Motor 1 Enable
DR1	Motor 1 Direction
M1-	Motor 1 Lead
M1+	Motor 1 Lead
Vcc	+5v for Logic Control
GND	Ground

Construction Notes:

- Assembling the HBS is fairly obvious. I found it is easier to install the heatsink on the IC before inserting it into the socket.
- 2 headers are provided, straight and right angle. The right angle allows the controller to be installed as a SIP module. The straight header can be installed either pointing up or pointing down. By pointing down, you can place it into a breadboard. Pointing it up allows you to connect wires in a similar manner to the DevBoard-M32 controller.
- Mounting holes will accommodate 4-40 screws.