

Joystick Control of DC Motors

Technology in Support of the Design Competition

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A joystick can be used as an input device

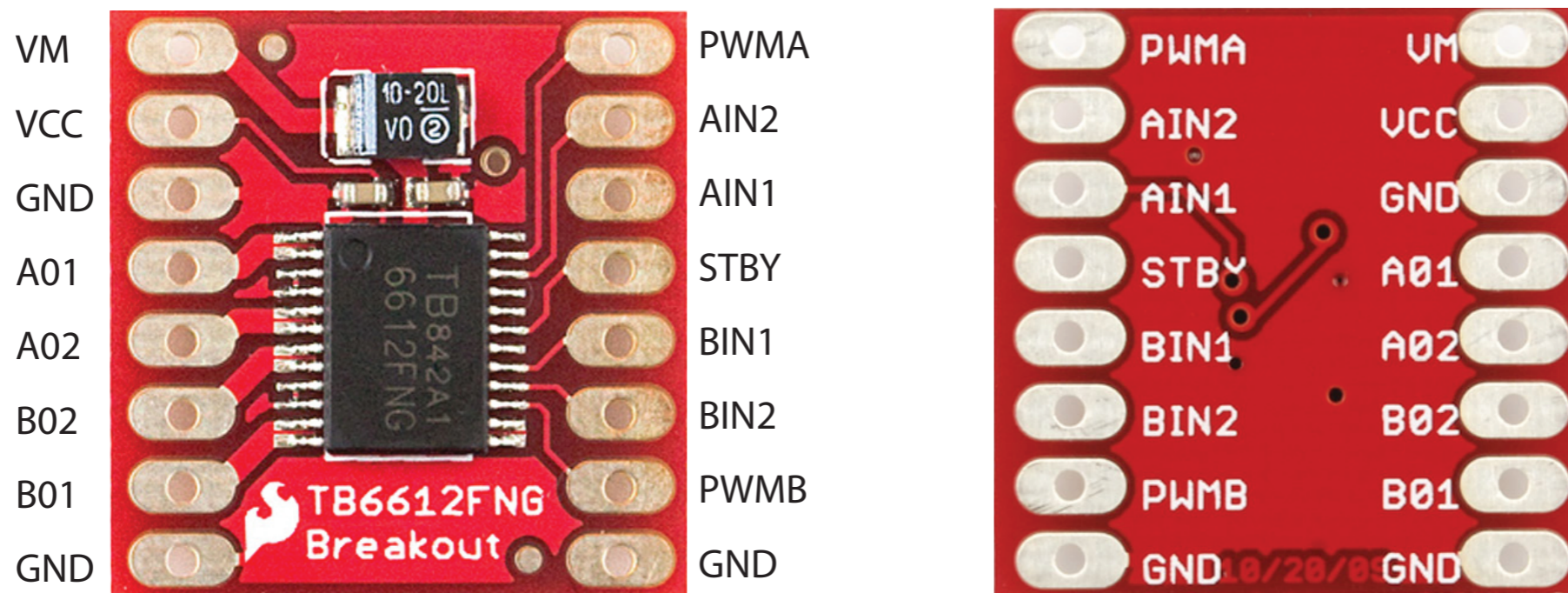
Adafruit and Sparkfun sell a joystick capable of x-y and button selection input



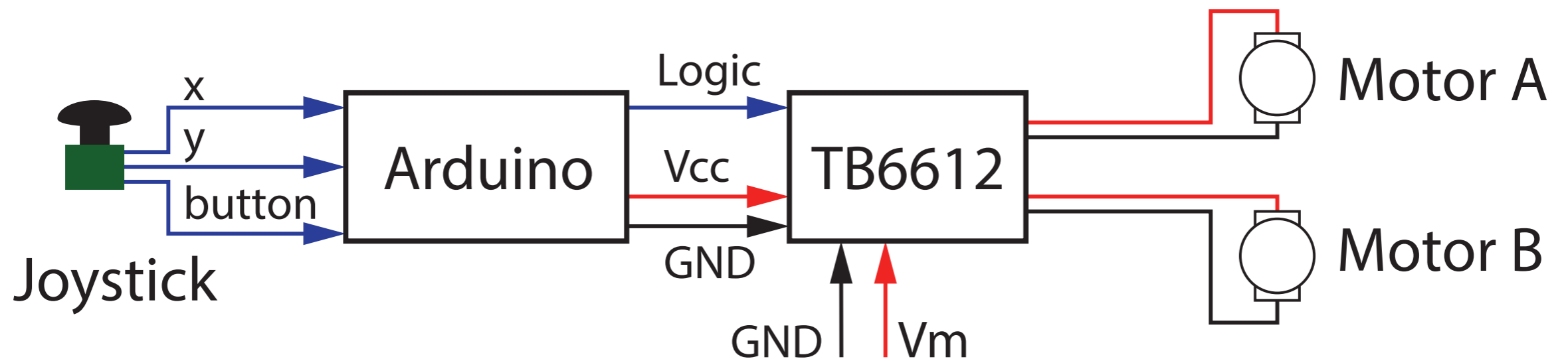
A joystick can be used to control DC motors via the TB6612 half-bridge motor controller

Sparkfun TB6612 breakout board

Sparkfun TB6612 Breakout Board



Put the pieces together



Potentiometer signals from the joystick need to be calibrated

Mapping from analog input to PWM output

