

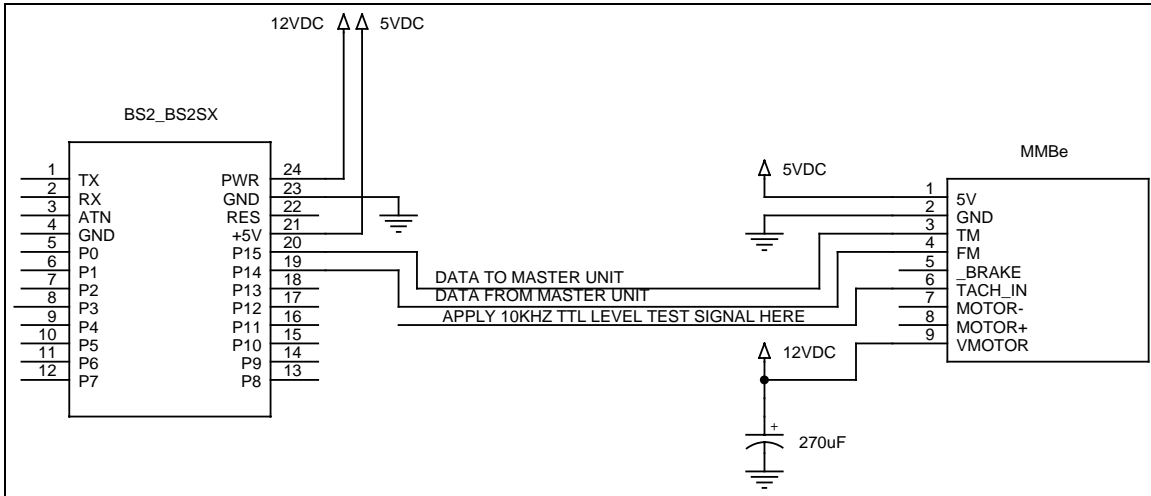
Overview:

The BASIC Stamp 2 is a highly versatile controller manufactured by Parallax, Inc. (www.parallax.com). When coupled with the Motor Mind B enhanced (MMBe) controller by Solutions Cubed, LLC complex control systems may be easily implemented. Application notes here describe methods of interfacing to the MMBe. But they only begin to describe the control systems that the BASIC Stamp and MMBe can create when used in tandem. The application notes consist of a brief description and a hardware schematic. The source code for the BASIC Stamp may be downloaded as a separate file (AN26x_BS2.ZIP). The source code is commented, and is a more useful reference to how the control and functionality are achieved. Questions specific to the BASIC Stamp line of products should be directed to Parallax, Inc.

AN260 Calibrating the Tachometer Measurements:

The MMBe is factory calibrated to be within +/- 0.5% (50Hz) of a 10KHz test signal. However, if a BASIC Stamp user would like to calibrate the MMBe to a different test frequency, or change the tolerance of the calibration, then this application note will help you do so.

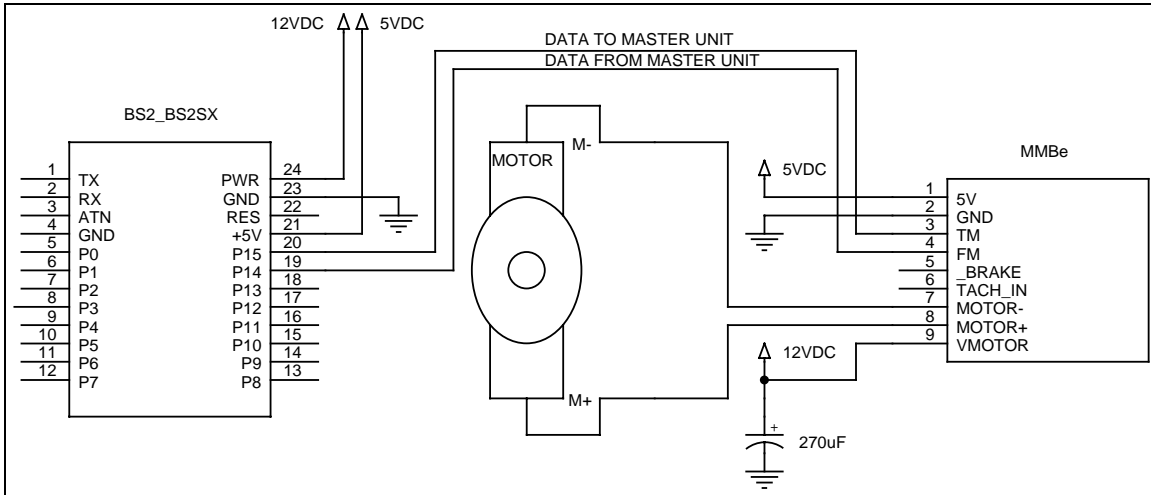
AN260 Schematic



AN261 New Command Examples:

This application note shows some PBASIC (BS2) examples of how to use the new commands in the MMBe.

AN261 Schematic



AN262 Using the New COUNT Related Commands to Position a Motor:

This application note is an example of how the COUNT and READ_COUNTER commands may be used with the MMBE to implement a rudimentary position controller.

AN263 SPDCON Command with the PI and Inc/Dec Modes:

This application note is an example of how the PI mode may be used with the SPDCON command. Also implemented is the increment/decrement method that was available in the previous versions of the MMB.

AN262-AN263 Schematic

