

PICDEM.net Demonstration Kit Errata Sheet

The PICDEM.net Demonstration Kit you have received conforms functionally to the information provided in its accompanying User's Guide (DS39563B), except for the anomalies described below.

All of the issues listed will be addressed in future releases of the Demonstration Kit.

Hardware Issues:

1. Issue: Failure to Program PIC18F Devices

Symptom: While attempting to reprogram an installed microcontroller using the Microchip MPLAB® ICD 2 In-Circuit Debugger, the user may encounter occasional programming failures.

This has only been observed when the installed microcontroller is a 40-pin PIC18F device.

Problem: All of Microchip's PIC18F microcontrollers offer In-Circuit Serial Programming™ (ICSP™), which uses a Low Voltage Programming mode. By default, this mode is enabled and can be entered by pulling RB5 low. Since the PICDEM.net board was originally designed with the PIC16F877

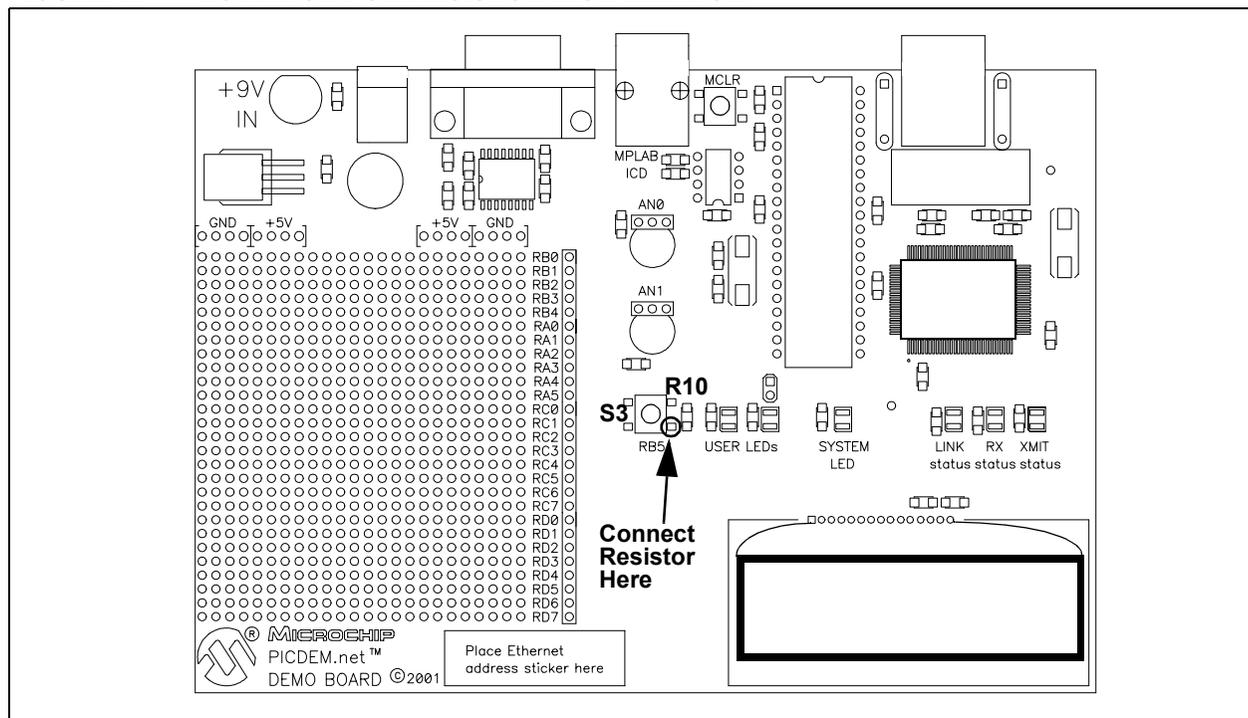
microcontroller in mind (which does not offer the low voltage option), an explicit pull-up on RB5 was not included. Adding a pull-up resistor when using PIC18F devices prevents the microcontroller from accidentally entering Low Voltage Programming mode.

Solution: Install a 10 kΩ resistor between the junction of R10 and push button switch S3, and the +5V supply. This will ensure that RB5 is pulled high.

The simplest way to do this is to connect one end of the new resistor directly to the terminal of push button S3 (labelled "RB5") on the board, and the other side to a convenient +5 VDC source. The terminal is indicated in Figure 1.

The resistor is only necessary for PIC18F microcontrollers. If you are also experimenting with PIC16 FLASH devices, the resistor may be left in place without adverse effect. It only needs to be removed if the logic of your application dictates it.

FIGURE 1: LOCATION FOR RESISTOR INSTALLATION



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Software and Firmware Issues:

None.

Clarifications and Corrections to the User's Guide:

None.

REVISION HISTORY

Rev A Document (11/2002)

First revision of this document. Hardware issue 1
(PIC18F programming failures).

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NOTES:

Note the following details of the code protection feature on Microchip devices:

- Microchip products meet the specification contained in their particular Microchip Data Sheet.
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