MCP2515 CAN Controller PICtail Demo Board   Buy Now

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Part Number: MCP2515DM-PCTL

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The MCP2515 PICtail™ Demo Board implements a simple CAN bus using two nodes. One node uses the MCP2515 Stand Alone CAN controller and the other node uses the MCP25020 CAN I/O Expander. Each node utilizes one input (push button) and one output (LED).

The boards demonstrate a simple, inexpensive implementation of a CAN bus. The MCP2515 node transmits its input (push button) information at regular intervals and request input (push button) information from the MCP25020 at regular intervals. An LED on each node reflects the state of the other node's push button.

Features   **Package Contents**

- Two (2) CAN nodes consisting of:

- **Node A:** MCP2515, PIC16F676 and a MCP2551 CAN transceiver

- **Node B:** MCP25020 CAN I/O Expander and MCP2551 CAN transceiver
  - Each node also has one push button and one LED connected to the I/O

- The push button state from each node is sent to the other node via a CAN message
  - Two headers on Node A, used for programming the PICmicro® Microcontroller Unit (MCU) using the programming features of the PICkit™ 1 Flash Starter Kit or PICkit™ 2 Microcontroller Programmer. Neither header is populated

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AppNotes	Last Updated	Size	
AN713 - An introduction to the CAN protocol that discusses the basics and key features.	9/16/2005 2:14:13 PM	141KB	📄
AN754 - Understanding Microchip?s CAN Module Bit Timing	9/16/2005 2:13:45 PM	248KB	📄
AN228 - A CAN Physical Layer Discussion	9/16/2005 2:13:18 PM	258KB	📄
Documents	**Last Updated**	**Size**	
MCP2515 Data Sheet	8/24/2012 3:20:04 PM	1MB	📄
MCP2515 CAN Controller PICtail Demo Board Firmware	3/12/2007 11:23:22 AM	7KB	📄
MCP2515 CAN Controller PICtail Demo Board Gerbers	1/6/2006 2:43:09 PM	171KB	📄
MCP2515 Stand-Alone CAN Controller PICtail Demo Board User's Guide	8/12/2005 3:05:26 PM	434KB	📄