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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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# PICDEM™ CAN-LIN 1, 2 and 3 Demonstration Boards

## Summary

Microchip offers three similar PICDEM CAN-LIN demonstration boards to support different PIC® microcontroller devices. All demonstrate the main features of the devices, especially those features of the integrated CAN module. In addition to the CAN network, the board also employs a LIN sub-network using Microchip's PIC16C43X and PIC18F1320 device families.

Each PICDEM CAN-LIN demonstration board includes both firmware and PC software for simulating a CAN network. The firmware comes pre-programmed on the sample device. The PC software and documentation are furnished on a CD ROM.

## Features

### PICDEM CAN-LIN 1 supports:

- 68-pin PLCC PIC18C658 and 84-pin PLCC PIC18C858 devices
- 20-pin PDIP PIC16C432 with integrated LIN Bus transceiver

### PICDEM CAN-LIN 2 supports:

- 28-pin SDIP PIC18F258 and PIC18F2680/2682/2685 devices
- 40-pin PDIP PIC18F458 and PIC18F4680/4682/4685 devices
- 20-pin PDIP PIC16C432 with integrated LIN Bus transceiver

### PICDEM CAN-LIN 3 supports:

- 64-pin TQFP PIC18F6680 and 80-pin TQFP PIC18F8680 devices
- 20-pin SSOP PIC18F1320 and MCP201 LIN Bus transceiver

The kits all share the following common features:

- On-board digital and analog +5V regulator for direct input from 12V AC/DC wall adapter
- Two on-board CAN nodes and optional external CAN bus connectors
- On-board LIN Bus master and slave node
- Optional external LIN Bus connector
- DB-9 RS-232 interface to IBM compatible PC
- Two optional In-Circuit Serial Programming™ (ICSP™) MPLAB® ICD 2 connectors
- Optional header for LCD panel
- CAN Bus monitoring software for PC
- Devices preprogrammed with CAN Bus monitor firmware
- Generous prototyping area



## Package Contents

- PICDEM CAN-LIN PCB
- Serial cable
- Sample programs, application notes and user's guide (on CD)

## Host System Requirements

- PC-compatible system with an Intel Pentium® class or higher processor, or equivalent
- A minimum of 16 MB RAM
- A minimum of 40 MB available hard drive space
- CD ROM drive
- Microsoft Windows® 98, Windows NT® 4.0, Windows 2000 or Windows XP



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## Part Numbers and Ordering Information:

PICDEM CAN-LIN 1 Demonstration Board supports: PIC18C658, PIC18C858, PIC16C432/433

PICDEM CAN-LIN 2 Demonstration Board supports: PIC18F258, PIC18F2680/2682/2685, PIC18F458, PIC18F4680/4682/4685, PIC16C432/433

PICDEM CAN-LIN 3 Demonstration Board supports: PIC18F6680, PIC18F8680, PIC18F1320, MCP201

### PICDEM™ CAN-LIN Demonstration Boards

Part Number	Description	Price	Availability
DM163007	PICDEM CAN-LIN 1 Demonstration Board	\$199	Now
DM163011	PICDEM CAN-LIN 2 Demonstration Board	\$199	Now
DM163015	PICDEM CAN-LIN 3 Demonstration Board	\$199	Now

### Development Tools from Microchip

Part Number	Development Tool	Description
SW007002	MPLAB® IDE – includes: MPASM™ Assembler, MPLINK™ Linker/MPLIB™ Librarian and MPLAB SIM Software Simulator	Integrated Development Environment (download free of charge at <a href="http://www.microchip.com">www.microchip.com</a> )
SW006011	MPLAB C18 C Compiler	C Compiler for PIC18CXXX MCUs
SW006012	MPLAB C30 C Compiler	C Compiler for dsPIC30F MCUs
DV164101	PICKit™ 1 Flash Starter Kit	Flash Starter Kit
DV164120	PICKit 2 Starter Kit	Starter Kit
DV164005	MPLAB ICD 2	In-Circuit Debugger
ICE2000	MPLAB ICE 2000 Modular In-Circuit Emulator	Full-featured Modular In-Circuit Emulator for PIC12, PIC16 and PIC18 MCUs
ICE4000	MPLAB ICE 4000 Modular In-Circuit Emulator	Full-featured Modular In-Circuit Emulator for PIC18 MCUs and dsPIC® DSCs
DV003001	PICSTART® Plus Programmer	Entry-level Development Kit with Programmer
DV007004	MPLAB PM3 Universal Device Programmer	Full-featured Modular Device Programmer
DM303006	KEELOQ® Security ICs Evaluation Kit II	Encoder/Decoder Evaluator
DV103003	microID® Developer's Kit	13.56 MHz Anticollision microID Developer's Kit for MCRF355 and MCRF360



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