



CAN Bus Development Kit

Development Kit Options

Tools Included

[Sku](#)

Compiler Software

Programmer

Prototyping board

Power supply & cables

Exercise book

Price

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w/Compiler

[S-11](#)

[PCWH](#)

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\$624

Add

Hardware
Only*

[53316-431](#)

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\$149

Add

Proto-
Board*

[53205-409](#)

●

\$85

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*Hardware only and proto-boards are intended for customers already owning a CCS compiler.

This kit enables users to begin CAN network development with Microchip's PIC® PIC18 family. The development kit includes the powerful PCWH Integrated Development Environment with compiler support for Microchip's PIC® PIC10, PIC12, PIC16 and PIC18 families and an ICD-U64 in-circuit programmer/debugger that supports C-aware real time debugging. The prototyping board has four nodes and includes a PIC18F4580 with an integrated CAN peripheral, a PIC16F876A connected to an MCP2515 CAN peripheral, and two MCP25050 CAN expanders. CAN drivers and example code are also included.

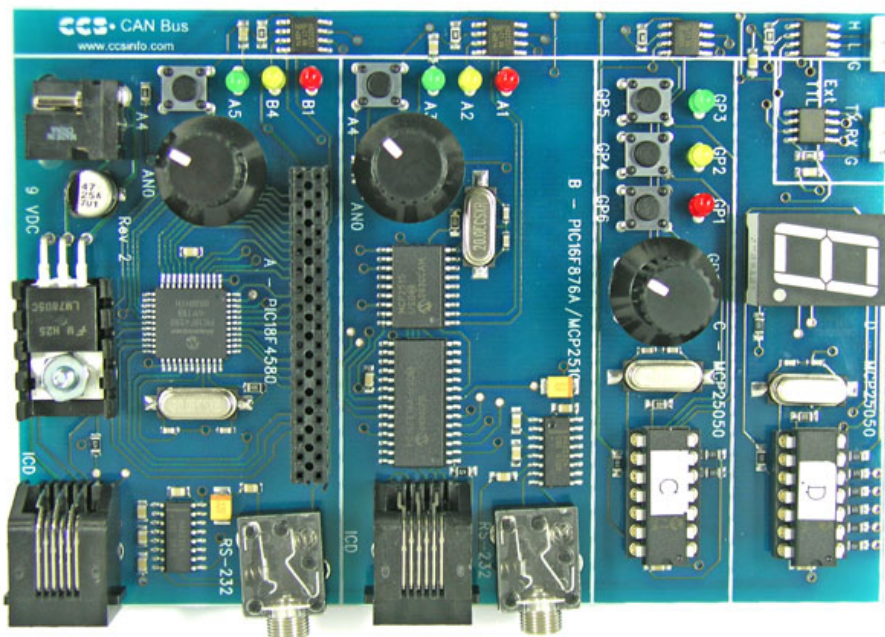
The first node is a PIC18F4580 which includes an integrated CAN peripheral. This node is also connected to a potentiometer, three LEDs and one pushbutton.

The second node is a PIC16F876A connected to an MCP2515, an external CAN peripheral which is connected to a microcontroller over SPI. This node is also connected to a potentiometer, three LEDs and one pushbutton.

The last two nodes are MCP25050s, stand-alone CAN expanders which have already been pre-programmed by CCS to respond to specific CAN IDs. One of these nodes is connected to a potentiometer, three LEDs and three pushbuttons. The other node is connected to a 7-segment LED.

An extra CAN transceiver has also been left open to connect the CAN Bus Prototype board with other CAN systems.

CAN Bus Prototyping Board (Size: 4.75" x 3.25") includes:



- PIC18F4580
- PIC16F876A
- 30 I/O Pins (10 Can Be Analog)
- MCP2515
- Two MCP25050
- Three Potentiometers
- Nine LEDs
- 7-Segment LED
- Two RS-232 Ports
- RS-232 Level Converter
- ICD Jack

CAN Bus Development Kit includes:

- CAN Bus Prototyping Board
- In-Circuit Debugger/Programmer
- Exercise Tutorial
- 9V AC Adapter and Cables

Click here to view the [Prototyping Accessories](#).