**CAN Bus Development Kit**

Development Kit Options

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<th>Proto-Board*</th>
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<td>53316-431</td>
<td>53205-409</td>
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<tr>
<td>Compiler Software</td>
<td>PCWH</td>
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<td>Programmer</td>
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<td>Prototyping board</td>
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<td>Power supply &amp; cables</td>
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<td>Exercise book</td>
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<td>Price</td>
<td>$624</td>
<td>$149</td>
<td>$85</td>
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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 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.**