

# CAN Bus 24 Development Kit

Sku: 53325-892



## Development Kit Options

Tools Included	12-24 Bit Compilers	24 Bit Compiler	Just H/W	Only PCB
Compiler for PIC10-PIC18	●			
Compiler for PIC24-dsPIC33	●	●		
Programmer	●	●	●	
Prototyping board	●	●	●	●
Power supply & cables	●	●	●	
Exercise book	●	●	●	
Price				
<b>Buy Now</b> ➔	<b>Add</b>	<b>Add</b>	<b>Add</b>	<b>Add</b>

This kit enables users to begin CAN network development with Microchip's PIC<sup>®</sup> PIC24 and dsPIC<sup>®</sup> DSC families. The development kit includes the powerful PCWHD Integrated Development Environment with compiler support for Microchip's 8-bit and 16-bit PIC<sup>®</sup> MCU 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 PIC24HJ56GP610 with two on-chip ECAN controllers, a dsPIC30F4012 connected to an MCP2515 CAN peripheral, and two MCP25050 CAN expanders. CAN drivers and example code are also included.

**Node A:** A PIC24HJ56GP610 which includes an integrated CAN peripheral. Note: Only the can-PIC24 driver can be used with node A.

**Node B:** A dsPIC30F4012 connected to an MCP2515 (external CAN peripheral SPI interface).

**Node C & D:** MCP25050s (stand-alone CAN expanders) pre-programmed by CCS to respond to specific CAN IDs.

**Nodes A-C** have potentiometer, three LEDs and three pushbuttons connections. Node D is connected to a 7-segmented LED.

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

## CAN Bus 24 Prototyping Board (Size: 3.27" x 4.80") includes:

- PIC24HJ56GP610
- dsPIC30F4012
- 30 I/O (8 Can Be Analog)
- MCP2515
- Two MCP25050
- Three Potentiometers
- Nine LEDs



- 7-Segment LED
- Two RS-232 Ports
- RS-232 Level Converter
- Two ICD Jacks

## CAN Bus 24 Development Kit includes:

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

