

CAN Bus 24 Development Kit



Development Kit Options

Tools Included

	<u>PCWHD Compiler</u> Sku S-135	<u>PCDIDE Compiler</u> S-143	Hardware Only* 53325-892	Proto- Board* 53216-886
Compiler Software	<u>PCWHD</u>	<u>PCDIDE</u>		
Programmer	●	●	●	
Prototyping board	●	●	●	●
Power supply & cables	●	●	●	
Exercise book	●	●	●	
Price	\$744	\$494	\$169	\$97

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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[®] PIC24 and dsPIC[®] DSC families. The development kit includes the powerful PCWHD Integrated Development Environment with compiler support for Microchip's 8-bit and 16-bit PIC[®] MCU 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 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.

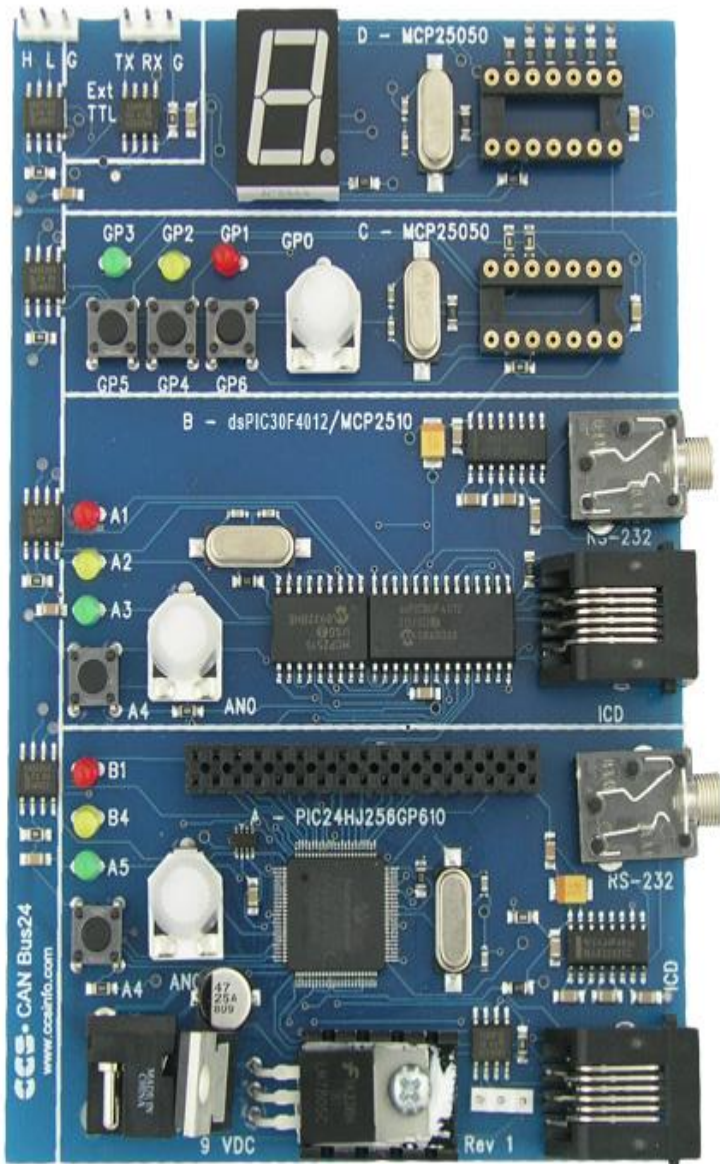
Node A: A PIC24HJ56GP610 which includes an integrated CAN peripheral. Note: Only the can-PIC24 driver can be used with node A.

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