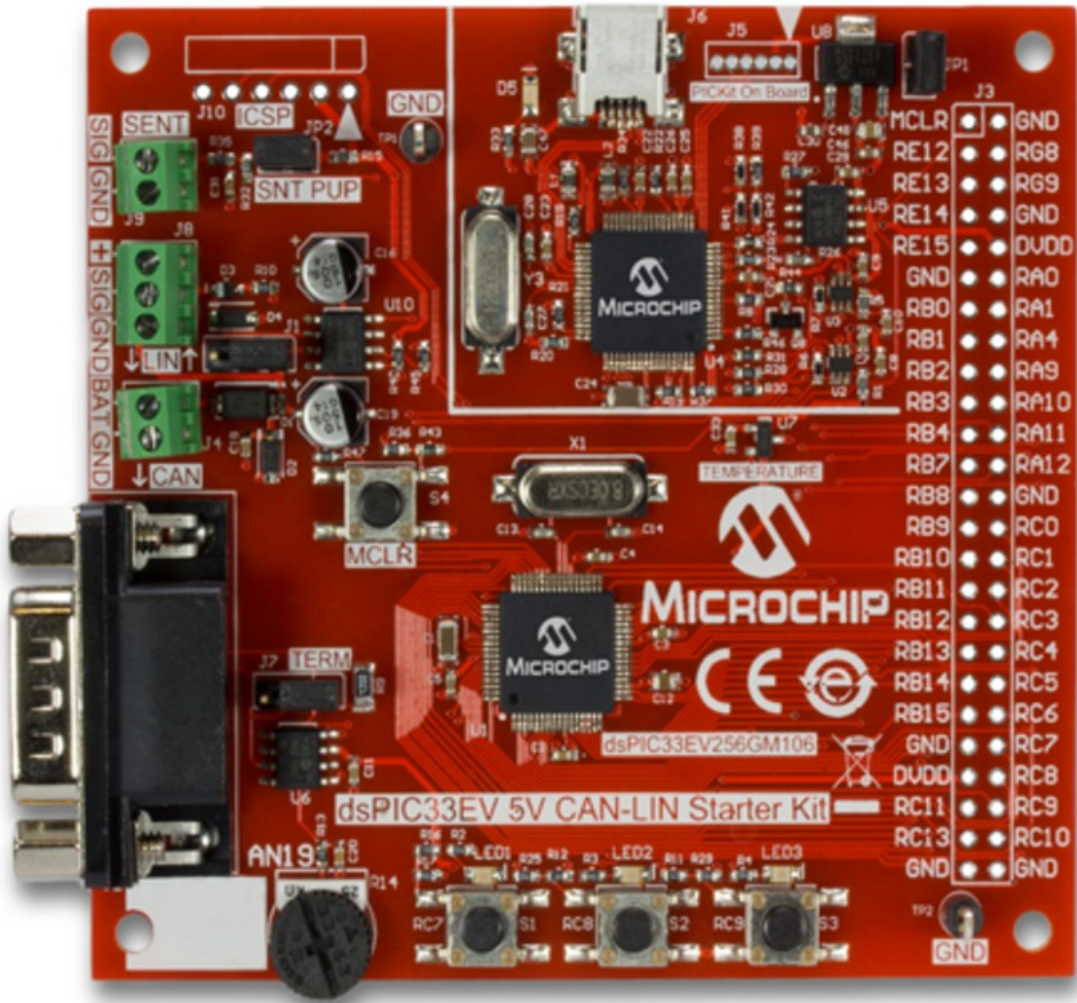


# Automotive and motor control applications

Microchip's (US) dsPIC33EV 5 V CAN-LIN starter kit features the dsPIC33EV256GM106 Digital Signal Controller (DSC) for automotive and motor control applications. The kit contains serial data ports for CAN, LIN, and SENT.



The starter kit includes a board, a USB cable, and an insert card (Photo: Microchip)

THE KIT IS A STAND-ALONE DEMONSTRATION BOARD that comes with a self-contained USB programming/debug interface, and an expansion footprint for flexibility in application hardware development. This board allows users to explore three automotive and industrial serial data formats (CAN, LIN, and SENT). The Pickit On-Board (PKOB) USB programmer and debugger allows programming without the need for an additional hardware interface. No other external tools are required to program the device.

The board includes several analog features to showcase the capabilities of the signal controller family. The included 64-pin digital signal controller integrates one CAN module with 32 buffers and 16 receive filters. The kit also provides a CAN interface with a DB9 male connector. The interface uses the Microchip MCP2561 CAN driver/receiver, which can operate up to 1 MB/s.