

M68KIT912D60A: Development Tools ☆

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The M68KIT912D60A incorporates the Evaluation Board (EVB) with the Serial Debug Interface (SDIL12) to give the designer a low cost, non-intrusive in-circuit debugging solution. The M68KIT912D60A is used to design, debug, and evaluate code for the 68HC912D60A MCU. Also, the M68KIT912D60A can be used to program the on-chip flash. By providing the essential MCU timing and I/O circuitry, the EVB simplifies user evaluation of prototype hardware and software.

Features

- Evaluation board is a multilayered printed circuit board that provides interface and power connections. NOTE: The board can be ordered separately from the kit (M68EVB912D60).
 - The M68EVB912D60 includes these additional features:
 - +5-volt DC operation
 - RS-232C interface
 - CAN interface
 - 60 kilobytes MCU internal FLASH EEPROM
 - header connectors for access to the MCU's I/O and bus lines
 - on-board prototype area for customized interfacing with the MCU
 - low-voltage inhibit protection
 - full support for either dumb terminal or host computer terminal interface
 - file transfer capability from a host computer, allowing off-board code generation
- Serial Debug Interface (M68SDIL12)
 - Freescale's SDI is a serial in-circuit debugger that uses the background debug mode (BDM), allowing quick verification and updating of embedded software applications. When used with compatible debug software, the SDI allows users to view and modify applications on the fly reducing development time and speeding time to market. A user connects the SDI in-line between the computer's serial port and the target system's BDM connector. The tool is available in 5-volt-only and low-voltage (2.7/5.5-volt) versions. NOTE: The serial debug interface can be ordered separately from the kit (M68SDIL12).
- M68KIT912D60A System Requirements
 - RS-232C compatible terminal or a 386-based or higher host PC capable of running an
 - RS-232C compatible dumb terminal emulator.
 - a serial communication port
 - RS-232C compatible, 6-pin BDM target cable
 - +5-volt DC @ 100 mA (minimum) external power supply


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