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Freescale 16-bit Microcontrollers S12 and S12X M68KIT912DP256

## M68KIT912DP256 : HCS12 Development Kit

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The HCS12 Development Kit is an economical tool for developing code and evaluating it on HCS12 Dx, A, and B Family MCUs. This easy to order kit combines the Background Debug Mode (BDM) Multilink and an evaluation board (EVB). The EVB simplifies user evaluation of prototype hardware and software by providing the essential MCU timing and I/O circuitry as well as a prototype area to allow custom interfacing. The BDM Multilink interfaces to the EVB through the 6-pin BDM connector for real-time in-circuit emulation and fast flash programming.



[Product Image](#)

### M68KIT912DP256 Features

- MCS12DP256 Evaluation Board
  - Assembler, assembly level debugger, linker, and programmer
  - 256K Bytes FLASH
  - Prototyping area
  - Header connectors for access to the MCU's I/O and bus lines
  - RS232 Communications
  - CAN Communication
- BDM Multilink
  - Universal development tool for all BDM 68HC12s and HCS12s
  - Real-time in-circuit emulation and debug
  - Fast in-circuit programming
  - Auto-detects frequency
  - Small unobtrusive size (approx 3" x 2" x 3/4")
  - Supports 2 V to 5.5 V targets
- Special Edition, HC(S)12 CodeWarrior Integrated Development Environment
  - Debugger, assembler, linker, and flash programming support
  - Evaluation C compiler

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## M68KIT912DP256 Documentation

## Documentation

## Selector Guides

| ID and Description  | Vendor ID | Format | Size K | Rev # | Date Last Modified |
|---|-----------|--------|--------|-------|--------------------|
| <b>SG1011</b><br>ARCHIVED - Software and Development Tools Selector Guide | FREESCALE | pdf    | 2061   | 0     | 4/26/2006          |

## Supporting Information

| ID and Description                         | Vendor ID | Format | Size K | Rev # | Date Last Modified |
|--|-----------|--------|--------|-------|--------------------|
| <b>M68KIT912DP256PKL</b><br>M68KIT912DP256 | FREESCALE | doc    | 75     | -     | -                  |

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## M68KIT912DP256 Design Tools

## Hardware Tools

## Schematics

| ID and Description   | Vendor ID | Format | Size K | Rev # | Availability             |
|--|-----------|--------|--------|-------|--------------------------|
| <b>MC9S12DP256EVBSCHM</b><br>Schematic for the MC9S12DP256EVB Evaluation Board | FREESCALE | zip    | 103    | 0     | <a href="#">Download</a> |

## Software Tools

## Compilers

| ID and Description  | Vendor ID | Format | Size K | Rev # | Availability  |
|---|-----------|--------|--------|-------|---|
| <b>CodeWarrior for HCS12(X) Microcontrollers</b><br>Software development tool for HCS12(X) Microcontrollers | FREESCALE | -      | -      | -     | <a href="#">Buy Direct</a><br><a href="#">Distributor</a> |

## Debuggers

| ID and Description   | Vendor ID     | Format | Size K | Rev # | Availability  |
|--|---------------|--------|--------|-------|---|
| <b>CodeWarrior for HCS12(X) Microcontrollers</b><br>Software development tool for HCS12(X) Microcontrollers  | FREESCALE     | -      | -      | -     | <a href="#">Buy Direct</a><br><a href="#">Distributor</a> |
| <b>ZAP 6812 ICD</b><br>ZAP HC12 and HCS12 BDM Debugger<br>is a full featured real-time debugger and Flash programmer interface to Motorola's on-chip BDM. ZAP uses P&E's BDM Multilink cable via a PC parallel or USB port to connect and debug virtually any target system. | <b>COSMIC</b> | -      | -      | -     | -   |

## IDE (Integrated Development Environment)

| ID and Description  | Vendor ID | Format | Size K | Rev # | Availability  |
|---|-----------|--------|--------|-------|---|
| <b>CodeWarrior for HCS12(X) Microcontrollers</b><br>Software development tool for HCS12(X) Microcontrollers | FREESCALE | -      | -      | -     | <a href="#">Buy Direct</a><br><a href="#">Distributor</a> |

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**Orderable Parts Information**

| Order Availability  | Part Number    | Description                              | Tool Type                             | Status | Budgetary Price(\$US) | Compliance                    |      | Replacement Part |
|---|----------------|--|---------------------------------------|--------|-----------------------|-------------------------------|------|------------------|
|   |                |  |                                       |        |                       | Package Peak Temperature (°C) | RoHS |                  |
| <a href="#">Buy Direct</a><br><a href="#">Distributor</a> | M68KIT912DP256 | HARDWARE ONLY EVALUATION KIT/ HC912DP256 | Tested Packaged Module/ Misc Hardware | Active | \$495.30              | -                             | No   | -                |

**NOTE:**

- Not all orderable parts are offered through our online sampling program. For further assistance in selecting a similar part from within the program, please submit a [Request for a sample order advice](#).
- Refer to [FAQ](#) for more information.
- Looking for an obsolete part? Check our new [part number search](#)

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