

## FEATURES

- Complimentary permanent license for CodeWarrior™ Development Studio (up to 16 KB)
- Utilizes 60 MHz 56F8323 hybrid controller with on-chip oscillator
- Integrated MC33794 E-field sensor
- Preprogrammed sample applications
- Onboard expansion capabilities for development activities
- Onboard JTAG-to-parallel port command converter and parallel cable
- Universal power supply
- Processor Expert™ (PE) tool with software libraries and training CD-ROMs



### 56F8300 Developers Starter Kit

Expanding Motorola's successful 56F800 demonstration kit, the advanced 56F8300 Developers Starter Kit brings demonstration, evaluation and development capabilities to the 56F8300 series of hybrid controllers.

This comprehensive kit includes a demonstration board that utilizes the 60 MIPS 56F8323 hybrid controller with on-chip oscillator to illustrate the enhanced capabilities of the 56F8300 Series. To demonstrate some typical 56F8300 applications in which processing power must be combined with remote sensing capabilities, the MC56F8300DSK integrates Motorola's MC33794 E-field sensor. It also features a built-in JTAG-to-parallel port command converter, with parallel cable included, providing fast and simple out-of-the box debugging.

## HYBRID FLASH SOLUTION

# 56F8300

### PRODUCT DOCUMENTATION

#### 56F8300 Peripheral User Manual

Detailed peripheral descriptions  
of the 56F8300 series of devices

Order Number: [MC56F8300UM/D](#)

#### 56F8322/23 Technical Data Sheets

Electrical and timing specifications,  
device-specific peripheral information,  
and package and pin descriptions

Order Number: [MC56F8322/D](#)

Order Number: [MC56F8323/D](#)

#### 56F8322/23 Product Briefs

Summary description and block diagram  
of the 56F8322/23 core, memory,  
peripherals and interfaces

Order Number: [MC56F8322PB/D](#)

Order Number: [MC56F8323PB/D](#)

#### DSP56800E Reference Manual

Detailed description of the DSP56800E  
architecture, 16-bit core processor and  
the instruction set

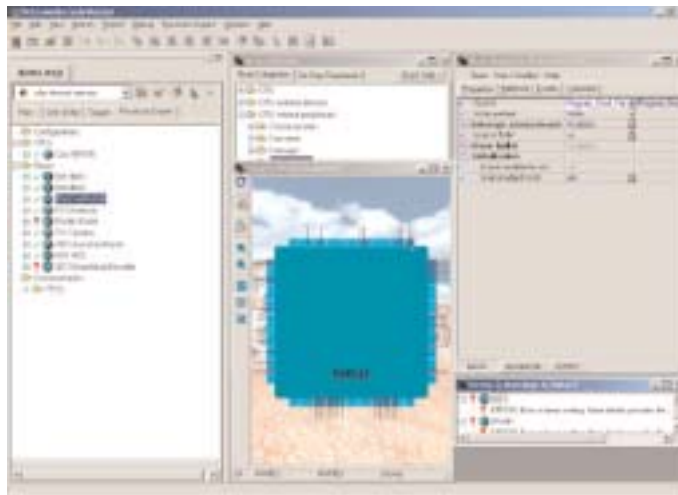
Order Number: [DSP56800ERM/D](#)

For rapid application development, the 56F8300 Developers Starter Kit includes the award-winning CodeWarrior Development Studio for 56800/E with Processor Expert technology. The multi-tiered CodeWarrior tool allows development, compiling, linking and debugging applications with a complimentary permanent license (limited to 16 KB). Processor Expert technology provides fully debugged peripheral drivers, libraries and interfaces that allow the programmer to create unique C application code independent of component architecture.

Motorola combines the demonstration board, CodeWarrior Development Studio with Processor Expert technology, preprogrammed sample applications, and an extensive, self-paced training CD-ROM to create a comprehensive, scalable tools solution for easy, fast and efficient development.

### PREPROGRAMMED SAMPLE APPLICATIONS

- Voice recording and playback
- Fast interrupt example
- E-field sensor control
- On-chip timer demonstration
- Fault control using on-chip temperature sensor



### ORDERING INFORMATION

DESCRIPTION	ORDER NUMBER
Demonstration Kit with universal power supply	MC56F8300DSK



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