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sales@integrated-circuit.com

HYBRID FLASH SOLUTION

56F8300

Demonstration Kit

MOTOROLA
intelligence everywhere™

digital dna™

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

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.

PRODUCT DOCUMENTATION

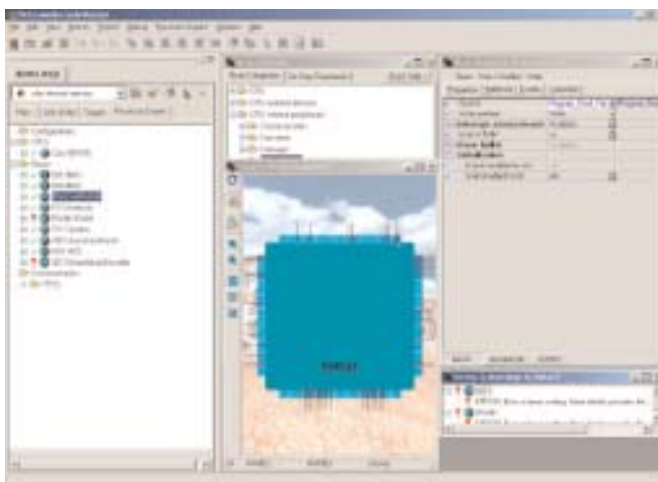|	
56F8300 Peripheral User Manual	Detailed peripheral descriptions of the 56F8300 series of devices **Order Number: MC56F8300UM/D**
56F8322/23 Technical Data Sheets	Electrical and timing specifications, device-specific peripheral information, and package and pin descriptions **Order Number: MC56F8322/D** **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**

PREPROGRAMMED SAMPLE APPLICATIONS

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

ORDERING INFORMATION

DESCRIPTION	ORDER NUMBER
Demonstration Kit with universal power supply	MC56F8300DSK

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