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56F8000 Demonstration Kits

56F8000 Demonstration Kits

The MC56F8013 and MC56F8014 demonstration kits allow designers to develop and evaluate applications for 56F8000 digital signal controllers.

These kits include a demonstration board that uses a 32 MIPS MC56F8013 or MC56F8014 digital signal controller with an on-chip oscillator. These boards also include an expansion connector for easy interface to 56F8000 daughter cards.

For rapid application development, the demonstration kits include the award-winning CodeWarrior™ Development Studio for 56800/E with Processor Expert™ technology. CodeWarrior tools allow for development, compiling, linking and debugging applications, while the Processor Expert tool provides access to fully debugged peripheral drivers, libraries and example applications. A free CodeWarrior permanent license for development on 56F801x demonstration kits can be obtained with simple web-based registration.

A CD-ROM with extensive training material is also included in the kit to expedite the learning process for 56F8000 digital signal controllers and associated tools and applications.

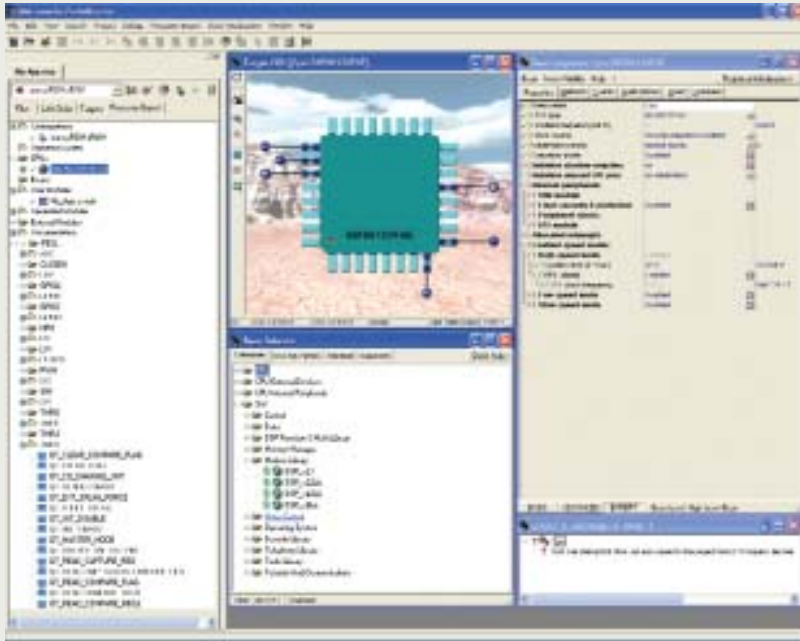
Features

- > Free permanent license for CodeWarrior Development Studio (up to 16 KB)
- > Uses MC56F8013 or MC56F8014 digital signal controller with an on-chip oscillator
- > Includes JTAG adapter, power supply and cables for out-of-the-box development
- > Onboard expansion capabilities for development activities and simple interface to expansion daughter cards
- > Processor Expert (PE) tool with software libraries
- > Training CD-ROM



Preprogrammed Sample Applications

- > Highlights the high level of software and peripheral integration in the 56F8000 for motor control applications
- > Illustrates how the integrated pulse-width modulator is easy to use for control of three-phase, brushless DC motors



Product Information

56F8013/8014 Product Briefs Summary description and block diagram of the 56F8322/23 core, memory, peripherals and interfaces
Order Number: MC56F8013PB
Order Number: MC56F8014PB

56F8013/8014 Technical Data Sheets Electrical and timing specifications, device-specific peripheral information, and package and pin descriptions
Order Number: MC56F8013
Order Number: MC56F8014

DSP56800E Reference Manual Detailed description of the DSP56800E architecture, 16-bit core processor and the instruction set
Order Number: DSP56800ERM

56F8000 Peripheral Reference Manual Detailed descriptions of peripherals found on the 56F8000 series of devices
Order Number: MC56F8000RM

Ordering Information

Description	Order Number
56F8000 Demonstration Kits Ordering Information	
MC56F8013 demonstration kit with U.S. power supply	DEMO56F8013
MC56F8014 demonstration kit with U.S. power supply	DEMO56F8014
MC56F8013 demonstration kit with universal power supply	DEMO56F8013-E
MC56F8014 demonstration kit with universal power supply	DEMO56F8014-E
56F8000 Daughter Cards Ordering Information	
Motor control daughter card	APMOTOR56F8000
MC56F8013 socket daughter card for Flash programming	CPA56F8013
MC56F8014 socket daughter card for Flash programming	CPA56F8014

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