

# 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.

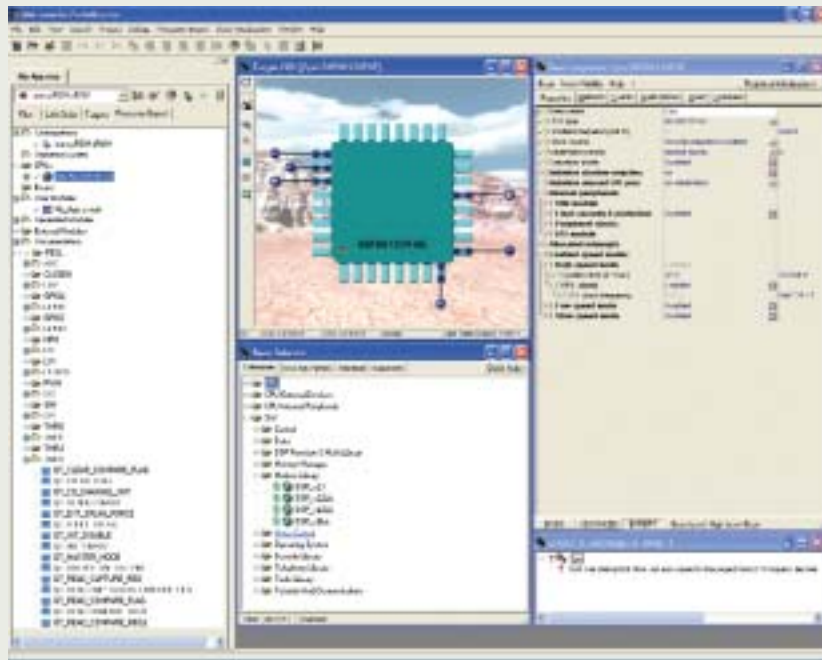
### **Features**

- > 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
<b>56F8000 Demonstration Kits Ordering Information</b>	
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
<b>56F8000 Daughter Cards Ordering Information</b>	
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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