Signal Controllers

56F8000 Series Development Kits

Features of DEMO56F8013 and DEMO56F8014 Kits

> Free permanent license for CodeWarrior™ Development Studio (up to 16 KB)
> Uses MC56F8013 or MC56F8014 digital signal controller with an on-chip oscillator
> Includes parallel port to JTAG adapter, universal 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™ tool with software libraries
> Training CD-ROM

Features of MC56F8037EVM Kit

> Free permanent license for CodeWarrior Development Studio (up to 16 KB)
> Uses MC56F8037 digital signal controller with an on-chip oscillator
> Includes USB to JTAG adapter (USB-TAP) and USB cables (power over USB)
> Onboard expansion capabilities for development activities and simple interface to expansion daughter cards
> Processor Expert tool with software libraries
> Demonstration application

56F8000 Demonstration Kits

The kits allow designers to develop and evaluate applications for 56F8000 series digital signal controllers. These kits include a development board that uses a 32 MIPS MC56F8013, MC56F8014 or MC56F8037 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 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, up to 16 KB code size, on 56F80xx devices can be obtained with simple web-based registration.

MC56F8037EVM Development Kit

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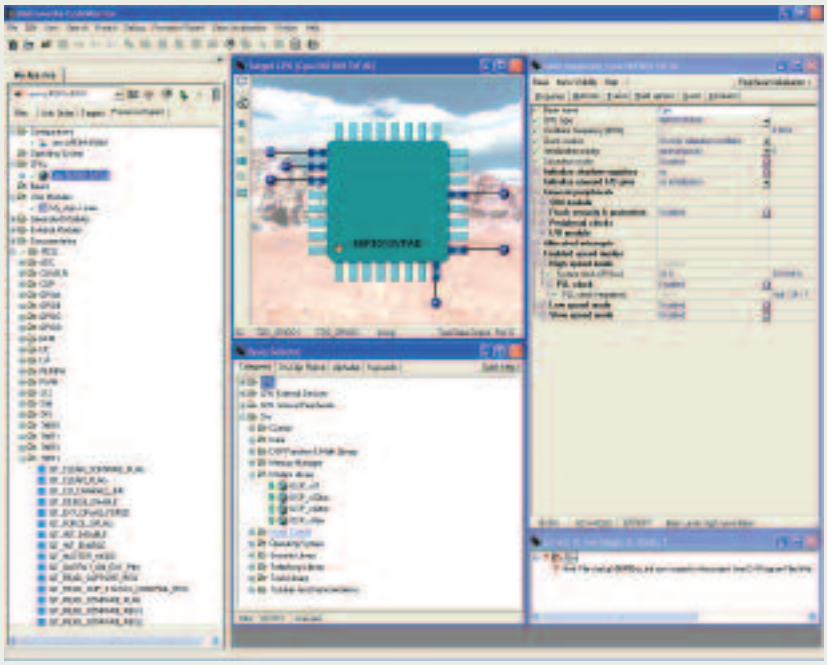
Preprogrammed Sample Applications

> 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



Ordering Information

Description	Order Number
56F8000 Development Kits Ordering Information (RoHS Compliant)	
MC56F8013 development kit with universal power supply	DEMO56F8013-EE
MC56F8014 development kit with universal power supply	DEMO56F8014-EE
MC56F8037 development kit for 802x/803x products	MC56F8037EVM
56F8000 Accessory Ordering Information (RoHS Compliant)	
Motor control daughter card	APMOTOR56F8000E
MC56F8013 socket daughter card for Flash programming	CPA56F8013E
MC56F8014 socket daughter card for Flash programming	CPA56F8014E
USB to JTAG adapter (USB-TAP)	CWH-UTP-ONCE-HE

Product Information

Fact Sheet
Summary of features and target markets for the entire 56F8000 Series of Digital Signal Controllers
Order Number:
MC56F8000FS

Product Briefs
Summary description and block diagram of the 56F800E core, memory, peripherals and interfaces for each of the 56F8000 Series Digital Signal Controllers
Order Numbers:
MC56F8013PB
MC56F8014PB
MC56F8023PB
MC56F8025PB
MC56F8036PB
MC56F8037PB

Technical Data Sheets
Electrical and timing specifications, device-specific peripheral information, and package and pin descriptions
Order Numbers:
MC56F8013
MC56F8014
MC56F8023
MC56F8025
MC56F8036
MC56F8037

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

56F801x Peripheral Reference Manual
Detailed descriptions of peripherals found on the 56F801x family devices
Order Number:
MC56F8000RM

56F802x and 56F803x Peripheral Reference Manual
Detailed descriptions of peripherals found on the 56F802x and 56F803x family devices
Order Number:
MC56F80XXRM

Learn More: For more information about Freescale's digital signal controllers, please visit **www.freescale.com/dsc**.

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