MSP430 8-Pin Socket Target Board and USB Programmer Bundle Status: ACTIVE

MSP-FET430U8

Description/Features Technical Documents Support & Community Order Now

Description

The MSP-FET430U8 kit includes all of the hardware and software required to quickly begin application development on the MSP430 MCU. This kit includes a ZIF socket target board (MSP-TS430D8) that accepts MSP430 devices in 8 pin SOIC packages (TI Package Code: D). It is also bundled with a USB flash emulation tool (MSP-FET430UIF) that interfaces the target board to a PC, allowing developers to program and debug their MSP430 devices through in-system emulation via JTAG interface, or the pin-saving Spy Bi-Wire (2-wire JTAG) protocol. Since the MSP430 flash is ultra-low power, no external power supply is required. The flash emulation tool interfaces the MSP430 to the included integrated software environment and includes code to start your design immediately.

Device Support: The MSP-FET430U8 development kit supports the MSP430G2xx0 family of devices in the 8-pin SOIC package (TI package code: D).

Additional Information

Code Composer Studio
MSP430Ware

Features

Bundled kit includes both the flash emulation tool and socketed target board for interfacing the MSP430 device to a PC.
Flash emulation tool (MSP-FET430UIF) connects a flash-based MSP430 MCU to a PC for real-time, in-system programming and debugging. This unit has a USB B-connector on one end of the case (to PC) and a 2x7-pin male JTAG connector on the other end of the case (to target board).
The MSP-TS430D8 target board breaks out all of the pins of the MSP430 device for easy prototyping. When plugged into the flash emulation tool, the target board allows the MSP430 device to interface with a PC for programming and debugging.
Target board features a status LED, JTAG adapter, and header pin-outs.
Technical specifications:
- Software configurable supply voltage between 1.8 and 3.6 volts at 100mA
- Supports JTAG Security Fuse blow to protect code
- Supports all MSP430 boards with JTAG header
- Supports both JTAG and Spy-Bi-Wire (2-wire JTAG) debug protocols

What's Included

One USB debugging interface (MSP-FET430UIF)
One Target board (MSP- TS430D8) with a ZIF socket fitting MSP430G2xx0 derivatives in 8-pin SOIC (D) packages
Documentation CD
JTAG Header cable
MSP430 Flash Devices (2): MSP430G2xx0 devices
Microcrystal MS1V-T1K 32.768kHz crystal, C(Load) = 12.5pF
USB Cable

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Part Number	Texas Instruments	Status	
MSP-FET430U8: MSP430 8-Pin Socket Target Board and USB Programmer Bundle	TI eStore	ACTIVE	

Technical Documents

User Guides (1)

Title	Abstract	Type	Size (KB)	Date	Views
MSP430(tm) Hardware Tools User's Guide (Rev. H)		PDF	6858	19 Dec 2011	43,539

Related Products

Name	Part Number	Tool Type
Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v5	CCSTUDIO	Code Composer Studio(TM) IDE
MSP430 8-Pin Socket Target Board	MSP-TS430D8	Development Boards/EVMs
MSP430 USB Debugging Interface	MSP-FET430UIF	Development Boards/EVMs
IAR Embedded Workbench Kickstart - Free 4KB IDE	IAR-KICKSTART	Third Party Development Environments

Part Number	Name	Product Family
MSP430G2210	MSP430G22x0 Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430G2230	MSP430G22x0 Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs

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