MSP430F532x 80-Pin FET tool and target board combination Status: ACTIVE

MSP-FET430U80A

Description/Features Technical Documents Support & Community Order Now

Description

The MSP-FET430UIF is a powerful flash emulation tool to quickly begin application development on the MSP430 MCU. It includes USB debugging interface used to program and debug the MSP430 in-system through the JTAG interface or the pin saving Spy Bi-Wire (2-wire JTAG) protocol. The flash memory can be erased and programmed in seconds with only a few keystrokes, and since the MSP430 flash is ultra-low power, no external power supply is required.

The debugging tool interfaces the MSP430 to the included integrated software environment and includes code to start your design immediately. The MSP-FET430UIF development tools supports development with all MSP430 flash devices.

The MSP-TS430PN80A is a standalone 80-pin ZIF socket target board used to program and debug the MSP430 in-system through the JTAG interface or the Spy Bi-Wire (2-wire JTAG) protocol. The development board supports all MSP430F532x, Flash parts in a 80-pin LQFP package (TI package code: PN).

What's Included:

- Development board with 80-pin LQFP (PN) ZIF socket (MSP-TS430PN80A)
- MSP430 USB debugging Interface (MSP-FET430UIF)
- JTAG Header cable
- Two MSP430F5329iPN flash devices

Features

- USB debugging interface (MSP-FET430UIF) connects a flash-based MSP430 MCU to a PC for real-time, in-system programming and debugging
- 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
- Development board (MSP-TS430PN80A) with a 80-pin ZIF socket fitting MSP430 derivatives in 80-pin LQFP (PN) packages includes an LED indicator, JTAG adapter, and header pin-outs for prototyping
- Supports all debugging interfaces using a standard 14-pin JTAG header such as the MSP-FET430UIF

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Part Number	Texas Instruments	Status	Price (US$)
MSP-FET430U80A: MSP430F532x 80-Pin FET tool and target board combination	TI eStore	ACTIVE	

Technical Documents

User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views
MSP430(tm) Hardware Tools User's Guide (Rev. H)		PDF	6858	19 Dec 2011	46,843
IAR Embedded Workbench Version 3+ for MSP430(tm) User's Guide (Rev. X)		PDF	808	28 Nov 2011	13,062
Code Composer Studio v4.2 for MSP430(tm) User's Guide (Rev. S)		PDF	651	09 Aug 2011	11,641

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
MSP-TS430PN80A Development Board Schematics, Layout, and BOM		ZIP	698	21 Dec 2010	257

Related Products

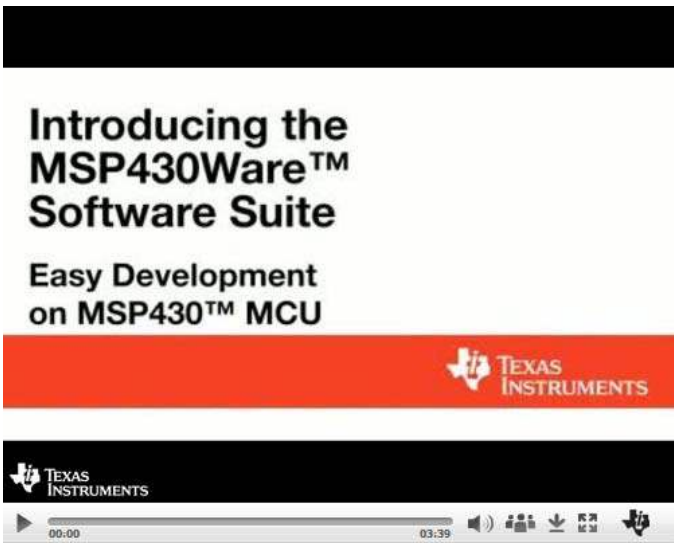
Name	Part Number	Software Type
MSP430Ware	MSP430WARE	Other

IAR Embedded Workbench KickStart (IAR 5.40.2 / WIN, FET 6.09 / WIN) (Rev. AF) (zip 135183 KB)
20 Dec 2011 16166 views

MSP430 schematic symbols and footprints library for use with the Eagle CAD tool (Rev. E) (zip 97 KB)
11 Mar 2011 5737 views

Part Number	Name	Product Family
MSP430F5324	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5325	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5326	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5327	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5328	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5329	MSP430F532x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs

Videos



MSP430Ware

MSP430Ware is a collection of code examples, datasheets and other design resources for ALL MSP430 devices delivered in a convenient package.

Posted: 09-Dec-2011

Duration: 3:40

Views: 406

Tags: msp430ware

MSP430Ware

Related Videos

MSP430Ware

Support and Community

Blogs

C3P-Ho-Ho-Ho: MSP430 powers a holiday sound and light show

Check out this post from our friends over at hackaday.com. It seems Zach, a Hackaday hobbyist and MSP430 fan, figured out a way to program an MSP430 to operate the lights on his Christmas tree in response to the notes of the "Star Wars Main Theme"...

Posted to The Official MSP430 Blog on 22 Dec 2011
MSP430, development tools, msp430f2012

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