MSP430 100-Pin FET tool and target board combination Status: ACTIVE

MSP-FET430U100B

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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-TS430PZ100B is a standalone 100-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 MSP430F533x and MSP430F643x Flash parts in a 100-pin LQFP package (TI package code: PZ).
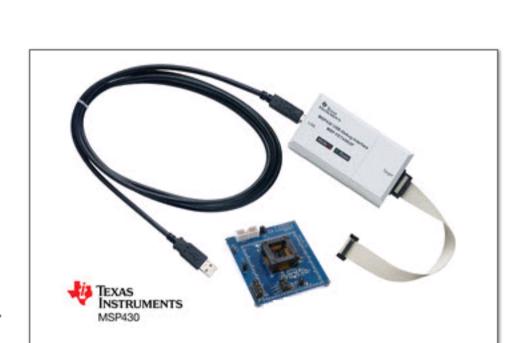
What's Included:

• Development board with 100-pin LQFP (PZ) ZIF socket (MSP-TS430PZ100B)
• MSP430 USB debugging Interface (MSP-FET430UIF)
• JTAG Header cable
• Two MSP430F6438iPN flash devices

MSP-TS430PZ100B - MSP430F533x / 643x 100-Pin-Target-board

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-TS430PZ100B) with a 100-pin ZIF socket fitting MSP430 derivatives in 100-pin LQFP (PZ) 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-FET430U100B: MSP430F533x / 643x 100-Pin FET tool and target board combination	TI eStore	ACTIVE	

Technical Documents

User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views
📄 Code Composer Studio v5.2 for MSP430(tm) User's Guide (Rev. U)		PDF	627	09 Jul 2012	8,856
📄 IAR Embedded Workbench Version 3+ for MSP430(tm) User's Guide (Rev. Y)		PDF	828	09 Jul 2012	9,472
📄 MSP430(tm) Hardware Tools User's Guide (Rev. J)		PDF	7487	28 Jun 2012	30,297

More Literature (1)

Title	Abstract	Type	Size (KB)	Date	Views
MSP-TS430PZ100B Development Board Schematics, Layout, and BOM		ZIP	743	21 Dec 2010	184

Related Products

Software (3)

Name	Part Number	Software Type
MSP430Ware	MSP430WARE	Software Libraries

📄 IAR Embedded Workbench KickStart (IAR 5.40.7 / WIN, FET 6.12 / WIN) (Rev. AJ)
  (ZIP, 167057 KB)   11813 views, 02 Jul 2012
📄 MSP430 schematic symbols and footprints library for use with the Eagle CAD tool (Rev. E)
  (ZIP, 97 KB)   3336 views, 11 Mar 2011

Design Kits & Evaluation Modules (2)

Name ▲	Part Number ▲	Tool Type ▲
EVM430-F6736 - MSP430F6736 EVM for Metering	EVM430-F6736	Evaluation Modules & Boards
MSP430 100-Pin Target board	MSP-TS430PZ100B	Evaluation Modules & Boards

TI Devices (18)

Part Number ▲	Name	Product Family
MSP430F5333	MSP430F533x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5335	MSP430F533x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs
MSP430F5336	MSP430F533x Mixed Signal Microcontroller	MSP430™16-bit Ultra-Low Power MCUs

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