

---

## ***MSP430 Application Report Book (SLAA024)***

---

*Lutz Bierl*

*MSP430*

### **ABSTRACT**

This application book is a collection of many different application reports, application examples, and code examples for the MSP430 family of ultra-low-power microcontrollers.

---

### **Chapters**

- 1. MSP430 Microcontroller Family**
- 2. Analog-to-Digital Converters**
- 3. Hardware Applications**
- 4. Application Examples**
- 5. Software Applications**
- 6. On-Chip Peripherals**
- 7. Hints and Recommendations**
- 8. Architecture and Instruction Set**
- 9. CPU Registers**

Because of the length of this book, it may be downloaded by individual chapters at <http://www.ti.com/sc/docs/products/micro/msp430/docs.htm>.

## **IMPORTANT NOTICE**

Texas Instruments and its subsidiaries (TI) reserve the right to make changes to their products or to discontinue any product or service without notice, and advise customers to obtain the latest version of relevant information to verify, before placing orders, that information being relied on is current and complete. All products are sold subject to the terms and conditions of sale supplied at the time of order acknowledgment, including those pertaining to warranty, patent infringement, and limitation of liability.

TI warrants performance of its semiconductor products to the specifications applicable at the time of sale in accordance with TI's standard warranty. Testing and other quality control techniques are utilized to the extent TI deems necessary to support this warranty. Specific testing of all parameters of each device is not necessarily performed, except those mandated by government requirements.

Customers are responsible for their applications using TI components.

In order to minimize risks associated with the customer's applications, adequate design and operating safeguards must be provided by the customer to minimize inherent or procedural hazards.

TI assumes no liability for applications assistance or customer product design. TI does not warrant or represent that any license, either express or implied, is granted under any patent right, copyright, mask work right, or other intellectual property right of TI covering or relating to any combination, machine, or process in which such semiconductor products or services might be or are used. TI's publication of information regarding any third party's products or services does not constitute TI's approval, warranty or endorsement thereof.