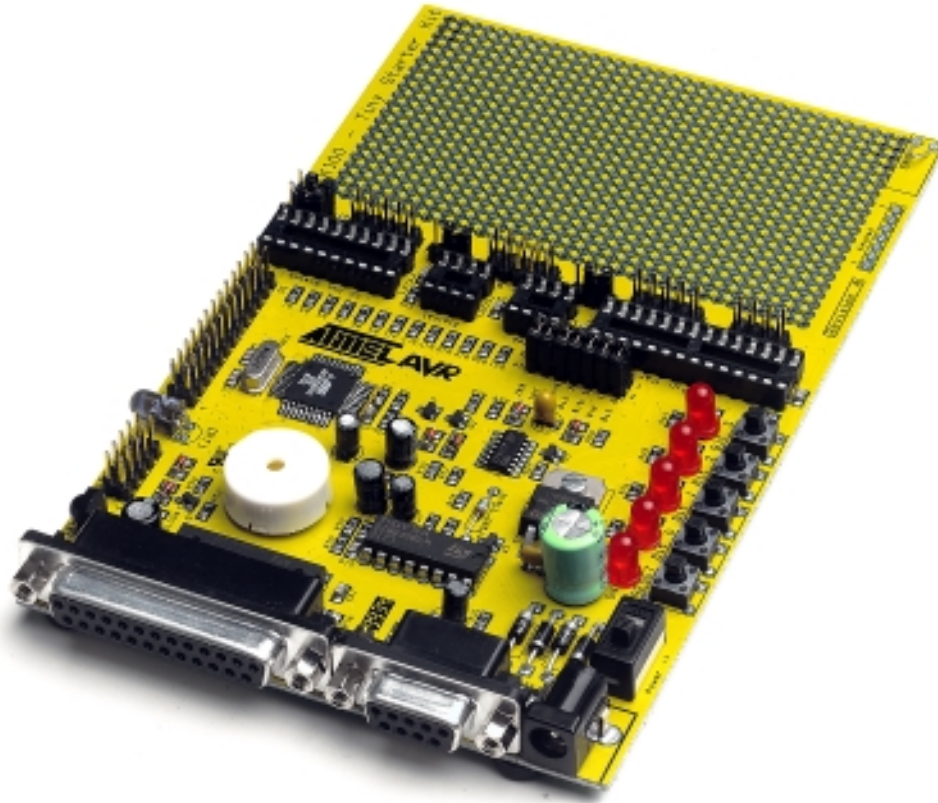


## STK100™

tinyAVR  
STARTER KIT

The STK100 tinyAVR Starter Kit is a complete low-cost evaluation system for the Atmel tinyAVR 8-bit Flash microcontrollers. The kit offers:

- Support for 8-pin and 28-pin Devices
- Infrared Receiver/Transmitter
- Piezo Speaker for Sound Generation
- 5 Push-button Switches and 5 LEDs
- Prototyping Area
- All Device Ports Easily Accessible through Header Connectors
- Supports Full Voltage Range of tinyAVR Devices
- Supports 2.7- and 5.0-voltage Programming of Supported Parts
- ISP Out Connector for In-application Programming
- RS232 and Parallel Port for PC Interface
- A/D Converter Support
- ATtiny11 and AT90S2343 Samples Included





### Corporate Headquarters

2325 Orchard Parkway  
San Jose, CA 95131  
Tel: (408) 441-0311  
Fax: (408) 487-2600

### Europe

Atmel U.K., Ltd  
Coliseum Business Centre  
Riverside Way, Camberley  
Surrey GU15 3YL, England  
Tel: (44) 1276-686-677  
Fax: (44) 1276-686-697

### Asia

Atmel Asia, Ltd  
Room 1219  
Chinachem Golden Plaza  
77 Mody Road  
Tsimshatsui East, Kowloon  
Hong Kong  
Tel: (852) 2721-9778  
Fax: (852) 2722-1369

### Japan

Atmel Japan K.K.  
9F, Tonetsu Shinkawa Bldg.  
1-24-8 Shinkawa  
Chuo-ku, Tokyo 104-0033  
Japan  
Tel: (81) 3-3523-3551  
Fax: (81) 3-3523-7581

### e-mail

literature@atmel.com

### Web Site

<http://www.atmel.com>

©Atmel Corporation 2000

Atmel Corporation makes no warranty for the use of its products, other than those expressly contained in the Company's standard warranty which is detailed in Atmel's Terms and Conditions located on the Company's web site. The Company assumes no responsibility for any errors which may appear in this document, reserves the right to change devices or specifications detailed herein at any time without notice, and does not make any commitment to update the information contained herein. No licenses to patents or other intellectual property of Atmel are granted by the Company in connection with the sale of Atmel products, expressly or by implication. Atmel's products are not authorized for use as critical components in life support devices or systems.

Marks bearing ® and/or ™ are registered trademarks and trademarks of Atmel Corporation.

Terms and product names in this document may be trademarks of others.

1664A-04/00/0M

The Atmel STK100 Starter Kit is a complete evaluation platform for taking the tinyAVR design from conception to realization. The STK100 Starter Kit is the ideal method to get started with the tinyAVR family, including parts with 10-bit A/D converter.

The STK100 Starter Kit supports the following Atmel ATtiny parts:

- ATtiny11
- ATtiny11L
- ATtiny12
- ATtiny12L
- ATtiny12V
- ATtiny15L
- ATtiny22L
- ATtiny28L
- ATtiny28V
- AT90S2343
- AT90LS2343

The STK100 Starter Kit is complete with push-button switches and LEDs. All of the microcontrollers' ports are accessible through headers on the board. The regulated power supply accepts a DC or AC input voltage source. The target voltage is software selectable. The internal 10-bit A/D converter on the analog AVR microcontroller is connected to a separate header on the edge of the board. Used together with an ATtiny28 device, the user can implement an infrared remote control by using the on-board IR receiver/transmitter and the modulation capabilities of the ATtiny28.

The STK100 Starter Kit includes an ISP header that can be used as an external ISP programmer. Connecting this header to the target application permits the program code to be updated via a 10-pin header. This provides an ideal solution for SMD parts by updating the code in the application without physically removing the device from the application.

### Ordering Information for the STK100 tinyAVR Starter Kit

The STK100 tinyAVR Starter Kit is available from any of Atmel's franchised distributors. The ordering code is ATSTK100.