



TINY AVR

MEGA AVR

LCD AVR

USB AVR

DVD AVR

RF AVR

SECURE AVR

FPGA AVR

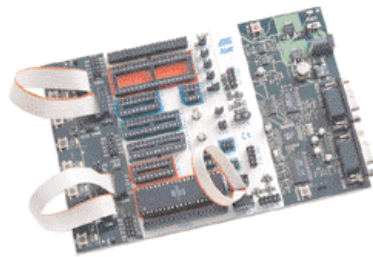
	Flash (KB)	Mask ROM (KB)	EEPROM (Bytes)	RAM (Bytes)	I/O Pins	SPI	UART	TWI	Hardware Multiplier	JTAG Interface	8-bit Timer	16-bit Timer	10-bit AVD Channels	In-System Prog. (I) Self-Prog.(S)	Vcc (V)	Clock Speed (MHz)	USB Speed	HUB Port	Function Endpoints	LCD Driver	LED Driver	Crypto Engine	Packages (Leads)	Availability
ATtiny11 ⁽¹⁾	1	-	-	-	6	-	-	-	-	-	1	-	-	-	2.7 - 5.5	0 - 6	-	-	-	-	-	-	8 DIP, SOIC	Now
ATtiny12 ⁽¹⁾	1	-	64	-	6	-	-	-	-	-	1	-	-	I	1.8 - 5.5	0 - 8	-	-	-	-	-	-	8 DIP, SOIC	Now
ATtiny13	1	-	64	64	6	-	-	-	-	-	1	-	4	I	1.8 - 5.5	0 - 16	-	-	-	-	-	-	8 DIP, SOIC	Q3-03
ATtiny15L	1	-	64	-	6	-	-	-	-	-	2	-	4	I	2.7 - 5.5	1.6	-	-	-	-	-	-	8 DIP, SOIC	Now
ATtiny26	2	-	128	128	16	-	-	-	-	-	2	-	11	I	2.7 - 5.5	0 - 16	-	-	-	-	-	-	20 DIP, SOIC, 32 MLF	Now
ATtiny28	2	-	-	-	20	-	-	-	-	-	1	-	-	-	1.8 - 5.5	0 - 4	-	-	-	-	-	-	28 DIP, 32 TQFP, MLF	Now
ATtiny2313	2	-	128	128	18	-	1	-	-	-	1	1	-	I	1.8 - 5.5	0 - 16	-	-	-	-	-	-	20 DIP, SOIC, 32 MLF	Q3-03
AT90S1200 ⁽²⁾	1	-	64	-	15	-	-	-	-	-	1	-	-	I	2.7 - 6.0	0 - 12	-	-	-	-	-	-	20 DIP, SOIC, SSOP	Now
AT90S2313 ⁽²⁾	2	-	128	128	15	-	1	-	-	-	1	1	-	I	2.7 - 6.0	0 - 10	-	-	-	-	-	-	20 DIP, SOIC	Now
AT90S2323	2	-	128	128	3	-	-	-	-	-	1	-	-	I	2.7 - 6.0	0 - 10	-	-	-	-	-	-	8 DIP, SOIC	Now
AT90S2343	2	-	128	128	4	-	-	-	-	-	1	-	-	I	2.7 - 6.0	0 - 10	-	-	-	-	-	-	8 DIP, SOIC	Now
ATmega48	4	-	256	512	23	2	1	1	Y	-	2	1	8	S	1.8 - 5.5	0 - 16	-	-	-	-	-	-	28 DIP, 32 TQFP, MLF	Q4-03
ATmega8	8	-	512	1K	23	1	1	1	Y	-	2	1	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	28 DIP, 32 TQFP, MLF	Now
ATmega88	8	-	512	1K	23	2	1	1	Y	-	2	1	8	S	1.8 - 5.5	0 - 16	-	-	-	-	-	-	28 DIP, 32 TQFP, MLF	Q4-03
ATmega8515	8	-	512	512	35	1	1	1	Y	-	1	1	-	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	40 DIP, 44 TQFP, MLF, PLCC	Now
ATmega8535	8	-	512	512	32	1	1	1	Y	-	2	1	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	40 DIP, 44 TQFP, MLF, PLCC	Now
ATmega16	16	-	512	1K	32	1	1	1	Y	-	2	1	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	40 DIP, 44 TQFP, MLF	Now
ATmega162	16	-	512	1K	35	1	2	1	Y	Y	2	1	-	S	1.8 - 5.5	0 - 16	-	-	-	-	-	-	40 DIP, 44 TQFP, MLF	Now
ATmega168	16	-	512	1K	23	2	1	1	Y	Y	2	1	8	S	1.8 - 5.5	0 - 16	-	-	-	-	-	-	28 DIP, 32 TQFP, MLF	Q4-03
ATmega32	32	-	1K	2K	32	1	1	1	Y	Y	2	1	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	40 DIP, 44 TQFP, MLF	Now
ATmega64	64	-	2K	4K	53	1	2	1	Y	Y	2	2	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	64 TQFP, MLF	Now
ATmega128	128	-	4K	4K	53	1	2	1	Y	Y	2	2	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	64 TQFP, MLF	Now
ATmega256	256	-	4K	8K	53	1	2	1	Y	Y	2	2	8	S	2.7 - 5.5	0 - 16	-	-	-	-	-	-	64 TQFP, MLF	Q1-04
ATmega169	16	-	512	1K	54	1	1	1	Y	Y	2	1	8	S	1.8 - 5.5	0 - 16	-	-	-	Y	-	-	64 TQFP, MLF	Now
ATmega329	32	-	1K	2K	54	1	1	1	Y	Y	2	1	8	S	1.8 - 5.5	0 - 16	-	-	-	Y	-	-	64 TQFP, MLF	Q1-04
AT43USB320A	-	-	-	512	32	1	1	-	-	-	1	1	-	-	4.5 - 5.5	0 - 12	Full	4	3	-	-	-	100 LQFP	Now
AT43USB325E	-	-	16K	512	43	-	-	-	-	-	1	1	-	-	4.5 - 5.5	0 - 12	Full	2	4	-	4	-	64 LQFP	Now
AT43USB325M	-	16	-	512	43	-	-	-	-	-	1	1	-	-	4.5 - 5.5	0 - 12	Full	2	4	-	4	-	64 LQFP	Now
AT43USB326	-	16	-	512	32	-	-	-	-	-	2	-	-	-	4.5 - 5.5	0 - 12	Full	2	3	-	4	-	48 LQFP	Now
AT43USB351M	-	24	-	1K	19	1	-	-	-	-	1	1	12	-	4.5 - 5.5	-	Low-Full	-	5	-	-	-	48 LQFP	Now
AT43USB353M	-	24	-	1K	15	-	-	-	-	-	1	1	12	-	4.5 - 5.5	0 - 24	Full	2	4	-	-	-	48 LQFP	Now
AT43USB355E	-	-	24K	1K	27	1	-	-	-	-	1	1	12	-	4.5 - 5.5	0 - 12	Full	2	4	-	-	-	64 LQFP	Now
AT43USB355M	-	24	-	1K	27	1	-	-	-	-	1	1	12	-	4.5 - 5.5	0 - 12	Full	-	-	-	-	-	64 LQFP	Now
AT76C711	-	-	-	8K	42	1	2	-	-	-	1	1	-	-	3.0 - 3.6	0 - 24	Full	-	6	-	-	-	64 TQFP, BGA	Now
AT78C1501	-	-	-	-	24	-	-	-	-	-	-	-	-	-	3.0 - 3.6	0 - 40	-	-	-	-	-	-	208 LQFP	Now
AT78C1502	-	-	-	12K	24	-	1	-	Y	-	-	-	1	-	3.0 - 3.6	0 - 40	-	-	-	-	-	-	128 LQFP	Now
AT86RF401	2	-	128	128	6	-	-	-	-	-	Y	-	-	I	2.0 - 5.0	11 - 19	-	-	-	-	-	-	20 TSSOP	Now
AT90SC19236R	-	192	36K	4K	NA	-	-	1	-	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Q3-03
AT90SC19264RC	-	192	64K	6K	NA	-	-	1	-	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	Y	Die, Module, 44 LQFP	Now
AT90SC25672R	-	256	72K	6K	NA	-	-	1	-	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Now
AT90SC320856	8	32	56K	1.5K	NA	-	-	-	-	-	-	1	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Now
AT90SC3232CS	32	-	32K	3K	NA	1	-	1	Y	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	Y	Die, Module, 44 LQFP	Now
AT90SC4816R	-	48	16K	1.5K	NA	-	-	-	-	-	-	1	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Now
AT90SC4816RS	-	48	16K	1.5K	NA	-	-	-	-	-	-	1	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Q4-03
AT90SC6404R	-	64	4K	2K	NA	-	-	-	-	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Q3-03
AT90SC6432R	-	64	32K	2K	NA	-	-	-	-	-	-	1	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Now
AT90SC6464C	64	-	64K	3K	NA	-	-	1	-	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	Y	Die, Module, 44 LQFP	Now
AT90SC6464C-USB	64	-	64K	3K	NA	-	-	1	-	-	-	2	-	-	2.7 - 5.5	NA	Full	-	4	-	-	Y	Die, Module, 44 LQFP	Now
AT90SC9608RC	-	96	8K	3K	NA	-	-	1	Y	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	Y	Die, Module, 44 LQFP	Q3-03
AT90SC9616RC	-	96	16K	3K	NA	-	-	1	Y	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	Y	Die, Module, 44 LQFP	Now
AT90SC9636RC	-	96	36K	3K	NA	-	-	1	Y	-	-	2	-	-	2.7 - 5.5	NA	-	-	-	-	-	-	Die, Module, 44 LQFP	Q3-03
AT97SC3201	-	32	32K	2K	12	-	-	-	-	-	-	-	-	-	3.0 - 3.6	0 - 33	-	-	-	-	-	Y	28 TSSOP	Now
AT94K05AL	4-16	-	-	4K-16K	96	-	2	1	Y	Y	2	1	-	I	1.6 - 3.6	0 - 25	-	-	-	-	-	-	88 PLCC, 100/144/208 QFP	Now
AT94K10AL	20-32	-	-	4K-16K	192	-	2	1	Y	Y	2	1	-	I	1.6 - 3.6	0 - 25	-	-	-	-	-	Y	88 PLCC, 100/144/208 QFP	Now
AT94K40AL	20-32	-	-	4K-16K	384	-	2	1	Y	Y	2	1	-	I	1.6 - 3.6	0 - 25	-	-	-	-	-	-	88 PLCC, 100/144/208 QFP	Now
AT94S05AL	4-16	-	256	4K-16K	96	-	2	1	Y	Y	2	1	-	I	3.0 - 3.6	0 - 25	-	-	-	-	-	-	256 CABGA	Now
AT94S10AL	20-32	-	512	4K-16K	144	-	2	1	Y	Y	2	1	-	I	3.0 - 3.6	0 - 25	-	-	-	-	-	-	256 CABGA	Now
AT94S405AL	20-32	-	1K	4K-16K	288	-	2	1	Y	Y	2	1	-	I	3.0 - 3.6	0 - 25	-	-	-	-	-	-	256 CABGA	Now

Notes: 1: The ATtiny11 and ATtiny12 will be replaced by the ATtiny13 as soon as it's available.
 2: The AT90S1200 and AT90S2313 will be replaced by the ATtiny2313 as soon as it's available.



AVR STUDIO

- Integrated Development Environment for TINY/MEGA/LCD AVR
- User Interface for Atmel Starter Kits, Programmers and Emulators
- C and Assembly Source Level Debugging
- Supports Third-party Compilers
- Maintains Project Information
- Available from <http://www.atmel.com>



STK500

- Supports all Current TINY/MEGA/LCD AVR Devices
- Interfaces with AVR Studio
- Push Buttons, LEDs and RS-232



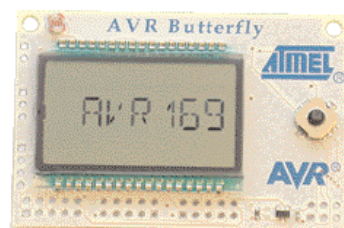
JTAGICE

- Supports AVR Devices with JTAG Interface
- Real Time Emulation in Actual Silicon
 - Debug the Device at the Target Level
 - Communicates Directly to the Device through a 4-pin JTAG Interface
- Supports: Program Breakpoints, Data Breakpoints, Full I/O View and Watch, and Full Execution Control
- Uses AVR Studio as Emulator Human Interface



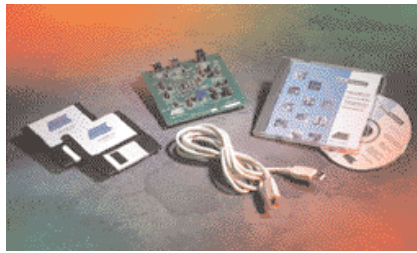
ICE50

- Emulates all Peripherals, Both Digital and Analog
- Supports all Instructions and Peripherals Real Time
- All Configuration Done from AVR Studio
- Unlimited Number of Breakpoints
- Source Level Debugging
- Supports the Newest Members of TINY/MEGA/LCD AVR Families



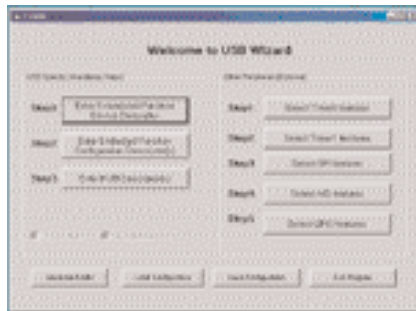
AVR BUTTERFLY

- Reference Design Based on LCD AVR
- Low Power Design Methodologies
- Features
 - SPI, USART and USI Communication
 - Programming Interfaces: Boot Sector, JTAG, ISP
 - Light and Temperature Sensors
 - Piezo Element for Sound Generation
 - Joystick Control Element
- Collateral Available from Atmel Web Site



AT43DK320A/325/326/355

- Reference Design Board Based on AT43USB Devices
- In-System Programming Capability
- Hardware Design Documentation
- USB 2.0 Compliant Firmware Library
- Sample Application Code



USB Wizard

- Windows®-based GUI Tool for Software Generation
- Easily Generate AT43USBxxx Source Code
- USB Application and Device Configuration without Programming



ATAK4015744

- Smart RF MicroTransmitter Evaluation Kit
- US & European Frequency Band Kits Available
- Supported by AVR Studio 4
- Kit Including Receiver



ATV2-90SC

- Voyager: Single Emulation Platform for AT90SC Secure Microcontrollers
- Support all Secure Microcontroller Devices



STK94

- AT94K40 FPSLIC & Configurator
- Push Buttons, LEDs, RS-232 & Alpha-Numeric Displays
- System Designer Tool with Four-month License