

Atmel 8051 Microcontrollers with on-chip FLASH CODE Memory



210628

Pins	Pkg	Description	Mftrs. List No.	Order Code	1+	25+	100+	+	
89C51	PLCC	PLCC	8-bit MCU, 4Kb FLASH PEROM, 128b RAM, 32 I/O lines - 24MHz . . .	AT89C51-24JC	795-355	329.00	253.00	230.00	--

AT89C 8-bit FLASH Microcontrollers



422976

Pins	Pkg	Description	Mftrs. List No.	Order Code	1+	10+	100+
89C5131	52	PLCC 8-bit Flash MCU with Full Speed USB Device	AT89C5131A-S3SUM	109-5721	555.00	462.00	421.00
89C51	44	PLCC Enhanced 8-bit MCU with CAN Controller and Flash Memory	AT89C51CC01UA-SLSUM	109-5722	639.00	533.00	456.00
89C51	44	PLCC Enhanced 8-bit MCU with CAN Controller and Flash Memory	AT89C51CC03UA-SLSUM	109-5723	782.00	652.00	595.00
89C51	44	VQFP High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-RLTUM	109-5725	611.00	510.00	464.00
89C51	44	PLCC High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-SLSUM	109-5726	611.00	510.00	464.00
89C51	68	PLCC High-Performance 8-bit CMOS Flash MCU with Data EEPROM	AT89C51ED2-SMSUM	109-5727	683.00	569.00	519.00
89C51	80	TQFP 8-bit MCU with MP3 Decoder and Human Interface	AT89C51SND1C-ROTUL	109-5728	1,066.00	889.00	809.00
89C55	44	PLCC 8-bit MCU with 20Kb Flash	AT89C55WD-24JU	109-5731	264.00	217.00	183.00
89C55	40	DIL 8-bit MCU with 20Kb Flash	AT89C55WD-24PU	109-5732	264.00	217.00	183.00

AT89S 8-bit FLASH Microcontrollers



422983

Pins	Pkg	Description	Mftrs. List No.	Order Code	1+	10+	100+
89S51	44	PLCC 8-bit CMOS MCU with 4Kb ISP Flash	AT89S51-24JU	109-5738	154.00	125.00	106.00
89S51	40	DIL 8-bit CMOS MCU with 4Kb ISP Flash	AT89S51-24PU	109-5739	154.00	125.00	106.00
89S52	44	TQFP 8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24AU	109-5740	154.00	125.00	106.00
89S52	44	PLCC 8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24JU	109-5741	154.00	125.00	106.00
89S52	40	DIL 8-bit CMOS MCU with 8Kb ISP Flash	AT89S52-24PU	109-5743	154.00	125.00	106.00
89S2051	20	DIL 8-bit CMOS MCU with 2Kb Flash	AT89S2051-24PU	109-5734	119.00	98.00	82.00
89S2051	20	SOIC 8-bit CMOS MCU with 2Kb Flash	AT89S2051-24SU	109-5735	119.00	98.00	82.00
89S4051	20	DIL 8-bit CMOS MCU with 4Kb Flash	AT89S4051-24PU	109-5736	138.00	113.00	96.00
89S4051	20	SOIC 8-bit CMOS MCU with 4Kb Flash	AT89S4051-24SU	109-5737	138.00	113.00	96.00
89S8253	44	TQFP 8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24AU	109-5744	278.00	232.00	212.00
89S8253	44	PLCC 8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24JU	109-5745	278.00	232.00	200.00
89S8253	40	DIL 8-bit CMOS MCU with 12Kb ISP Flash & 2K EEPROM	AT89S8253-24PU	109-5746	278.00	232.00	212.00

AT91SAM7S Flash Microcontrollers



Atmel's range of AT91SAM7S Flash Microcontrollers are based on the industry standard ARM7TDMI® 32-bit RISC processor. They are available with Flash memory ranging from 32K to 256K bytes. An evaluation kit is available featuring industry-standard development tools to bring 32-bit processing power to applications which until now were limited to 8- or 16-bit performance. The AT91SAM7S series integrates features that facilitate the evolution from 8- or 16- to 32-bits, in particular for real time control systems. An advanced interrupt controller enhances the basic interrupt facilities of the ARM7 processor to give vectored priority interrupt handling in a minimum number of instruction cycles. An integrated Brownout Detector and power-on-reset protects against deliberate or accidental code corruption during power down. The embedded Flash memory can be programmed in-system via the JTAG interface or via a parallel interface on a production programmer just prior to installation.

- Features:**
- On-chip voltage regulator enabling single-supply operation at 3.3V
 - Full migration between 32K and 256K devices providing pin-for-pin compatibility
 - USB 2.0 full-speed device port
 - Evaluation Kit and ICE available

Device	Flash	SRAM	PDC	Enhanced	USB Device	I/O pins
			Channel	USART	(Full Speed)	
AT91SAM7S32	32 Kb	8 Kb	9	1	--	21
AT91SAM7S64	64 Kb	16 Kb	11	2	1	32
AT91SAM7S128	128 Kb	32 Kb	11	2	1	32
AT91SAM7S256	256 Kb	64 Kb	11	2	1	32

Features common to all devices:
 Clock Speed = 55MHz, 8-Channel 10-bit ADC, 1 × DBGU/USART, 1 × SPI, 1 × TWI, 1 × SSC, 3 × 16-bit timers, 4 × PWM controllers, 1 × Period interval timer, 1 × Watchdog Timer, 1 × RTT, 1 × Power-On Reset, 1 × Brown Out Detection, 1 × On-Chip Oscillator, 4 × High Current Pads

423158

Pins	Package	Description	Mftrs. List No.	Order Code	1+	10+	100+
48	LQFP	32-bit, 32K Flash, ARM7 Microcontroller	AT91SAM7S32-AU-001	109-5461	367.00	282.00	261.00
64	LQFP	32-bit, 64K Flash, ARM7 Microcontroller	AT91SAM7S64-AU-001	109-5462	501.00	349.00	343.00
64	LQFP	32-bit, 128K Flash, ARM7 Microcontroller	AT91SAM7S128-AU-001	109-5459	654.00	512.00	510.00
64	LQFP	32-bit, 256K Flash, ARM7 Microcontroller	AT91SAM7S256-AU-001	109-5460	830.00	666.00	640.00
Tools							
7V to 12V, 0.5A, USB, JTAG/ICE and DBGU Debug Interface, AT91SAM7S-EK Evaluation Kit			AT91SAM7S-EK	109-5463	11,833.00		
J-Link compatible mode, 8MHz, 120kbsp, AT91SAM-ICE In-Circuit Emulator			AT91SAM-ICE	109-5464	11,175.00		

Semiconductors - Integrated Circuits

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Compliant
 Non-compliant
 Limited stock - RoHS replacement available

RoHS