

| Specifications                   |                                                         |
|----------------------------------|---------------------------------------------------------|
| Part Number                      | AT91SAM7SE512B-CU                                       |
| Manufacturer                     | Micro Commercial Components (MCC)                       |
| Description                      | IC MCU 32BIT 512KB FLASH 144BGA                         |
| Category                         | Integrated Circuits (ICs) > Embedded - Microcontrollers |
| Part Status                      | 2923 pcs Stock                                          |
| Voltage - Supply (Vcc/Vdd)       | FLASH                                                   |
| Voltage - Breakdown              | 144-LFBGA (10x10)                                       |
| Series                           | SAM7SE                                                  |
| RoHS Status                      | Tray                                                    |
| Reverse Recovery Time (trr)      | 55MHz                                                   |
| Requires                         | Brown-out Detect/Reset, POR, PWM, WDT                   |
| Program Memory Type              | 512KB (512K x 8)                                        |
| Program Memory Size              | EBI/EMI, I²C, SPI, SSC, UART/USART, USB                 |
| Polarization                     | 144-LFBGA                                               |
| Other Names                      | AT91SAM7SE512BCU                                        |
| Oscillator Type                  | A/D 8x10b                                               |
| Operating Temperature            | -40°C ~ 85°C (TA)                                       |
| Operating System                 | ARM7®                                                   |
| Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                           |
| Manufacturer Standard Lead Time  | 16 Weeks                                                |
| Manufacturer Part Number         | AT91SAM7SE512B-CU                                       |
| Expanded Description             | ARM7® SAM7SE Microcontroller IC 16/32-Bit 55MHz         |
| Description                      | IC MCU 32BIT 512KB FLASH 144BGA                         |
| Data SRAM Bytes                  | -                                                       |
| Data Converters                  | 1.65 V ~ 1.95 V                                         |
| Core Size                        | 32K x 8                                                 |
| Controller Series                | Internal                                                |
| Connectivity                     | 16/32-Bit                                               |
| Clock Rate                       | 88                                                      |

In:



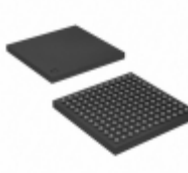
**AT91SAM7SE512B-CUR**  
Microchip Technology  
IC MCU 32BIT 512KB FLASH  
144BGA


  
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**AT91SAM7SE12A-CU**  
 ATMEL  
 ATMEL BGA

  
Micro Commercial Components

**AT91SAM7SE512B-CUR**  
Microchip Technology  
IC MCU 32BIT 512KB FLASH  
144BGA



**AT91SAM7SE512-CU-999**  
Microchip Technology  
IC MCU 32BIT 512KB FLASH  
144BGA



The image displays the AT91SAM7X-EK evaluation kit components. At the top center is the green printed circuit board (PCB) populated with various integrated circuits and components. Below the PCB, several peripheral components are arranged: on the left, three beige ribbon cables of different lengths; in the center, two black cables with different connectors and a small black component; on the right, a CD-ROM with a blue and purple design; and at the bottom center, a black rectangular component, likely a power supply or a connector module.


  
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**AT91SAM7X128**  
 ATMEL  
 ATMEL QFP

  
**AT91SAM7SE512B-AU**  
Microchip Technology  
IC MCU 32BIT 512KB FLASH  
128LQFP


  
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**AT91SAM7SE12AU**  
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More

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