

AT90S4433-8AI



Part Number: [AT90S4433-8AI](#)

Manufacturer [Micrel / Microchip Technology](#)

Description IC MCU 8BIT 4KB FLASH 32TQFP

Data sheet:  [AT90S4433,LS4433](#)

RoHs Status: Contains lead / RoHS non-compliant

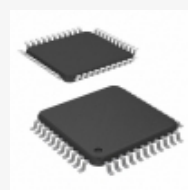
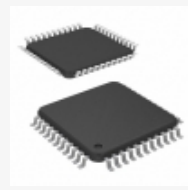
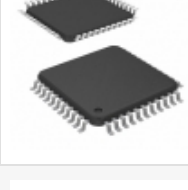
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                     |                                           |                                |                                                                              |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                           | AT90S4433-8AI                             | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                           | IC MCU 8BIT 4KB FLASH 32TQFP              | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                    | 4758 pcs                                  | Data sheet                     | <a href="#">AT90S4433,LS4433</a>                                             |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                              | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 6 V                                                                    |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                               | 32-TQFP (7x7)                             | Speed                          | 8MHz                                                                         |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                | AVR® 90S                                  | RAM Size                       | 128 x 8                                                                      |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                   | FLASH                                     | Program Memory Size            | 4KB (2K x 16)                                                                |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                           | Brown-out Detect/Reset, POR, PWM, WDT     | Packaging                      | Tray                                                                         |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                        | 32-TQFP                                   | Oscillator Type                | External                                                                     |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                 | -40°C ~ 85°C                              | Number of I/O                  | 20                                                                           |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                      | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                           |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                           | 256 x 8                                   | Detailed Description           | AVR AVR® 90S Microcontroller IC 8-Bit 8MHz 4KB (2K x 16) FLASH 32-TQFP (7x7) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                       | A/D 6x10b                                 | Core Size                      | 8-Bit                                                                        |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                        | AVR                                       | Connectivity                   | SPI, UART/USART                                                              |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                      | AT90S4433                                 |                                |                                                                              |
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| RELATED PRODUCTS                                                                   |                                                                                   |                                                              |                |
|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">AT90S4414-4PC</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8AI</a><br>Description: IC MCU 8BIT 4KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8PC</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8AI</a><br>Description: IC MCU 8BIT 4KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-4JI</a><br>Description: IC MCU 8BIT 4KB FLASH 44PLCC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8PI</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8JI</a><br>Description: IC MCU 8BIT 4KB FLASH 44PLCC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-4PI</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S8515-4AI</a><br>Description: IC MCU 8BIT 8KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4433-8PC</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8AC</a><br>Description: IC MCU 8BIT 4KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8JI</a><br>Description: IC MCU 8BIT 4KB FLASH 44PLCC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4433-8AC</a><br>Description: IC MCU 8BIT 4KB FLASH 32TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4433-8PI</a><br>Description: IC MCU 8BIT 4KB FLASH 28DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S8515-4AC</a><br>Description: IC MCU 8BIT 8KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8JC</a><br>Description: IC MCU 8BIT 4KB FLASH 44PLCC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8AC</a><br>Description: IC MCU 8BIT 4KB FLASH 44TQFP | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8PC</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4414-8PI</a><br>Description: IC MCU 8BIT 4KB FLASH 40DIP  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">AT90S4434-8JC</a><br>Description: IC MCU 8BIT 4KB FLASH 44PLCC | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for **AT90S4433-8AI**

|                                             |                                    |                                        |                     |
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