

ATMEGA103-6AI



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**Part Number:** [ATMEGA103-6AI](#)

**Manufacturer:** [Micrel / Microchip Technology](#)

**Description:** IC MCU 8BIT 128KB FLASH 64TQFP

**Data sheet:**  [ATMEGA103\(L\)](#)  
 [ATMEGA103\(L\)Errata](#)

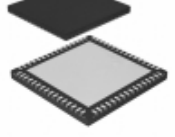
**RoHS Status:** Contains lead / RoHS non-compliant

**Ship From:** Hong Kong

**Shipment Way:** DHL/Fedex/TNT/UPS/EMS

Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                           |                                |                                                                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|--------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATMEGA103-6AI                             | Manufacturer                   | <a href="#">Micrel / Microchip Technology</a>                                        |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 128KB FLASH 64TQFP            | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 4373 pcs                                  | Data sheet                     | <a href="#">ATMEGA103(L)</a><br><a href="#">ATMEGA103(L)Errata</a>                   |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 4 V ~ 5.5 V                                                                          |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 64-TQFP (14x14)                           | Speed                          | 6MHz                                                                                 |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AVR® ATmega                               | RAM Size                       | 4K x 8                                                                               |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                     | Program Memory Size            | 128KB (64K x 16)                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | POR, PWM, WDT                             | Packaging                      | Tray                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 64-TQFP                                   | Oscillator Type                | Internal                                                                             |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -40°C ~ 85°C (TA)                         | Number of I/O                  | 32                                                                                   |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3 (168 Hours)                             | Lead Free Status / RoHS Status | Contains lead / RoHS non-compliant                                                   |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4K x 8                                    | Detailed Description           | AVR AVR® ATmega Microcontroller IC 8-Bit 6MHz 128KB (64K x 16) FLASH 64-TQFP (14x14) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A/D 8x10b                                 | Core Size                      | 8-Bit                                                                                |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AVR                                       | Connectivity                   | SPI, UART/USART                                                                      |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ATMEGA103                                 |                                |                                                                                      |
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| RELATED PRODUCTS                                                                   |                                                                                            |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATMEGA128-16AC</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMBUSADAPTER-XPRO</a><br>Description: MIKROBUS TO XPLAINED PRO ADAPTER | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16AI</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16MC</a><br>Description: IC MCU 8BIT 128KB FLASH 64QFN        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E32AS-RD</a><br>Description: ATM90E32AS DEMO BOARD                 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16AUR</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E36A-DB</a><br>Description: ATM90E36A DEMO BOARD                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA103L-4AC</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEG163POD</a><br>Description: IC AVR MCU ICE30 40PIN MEGA AVR         | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E36A-RD</a><br>Description: ATM90E36A DEMO BOARD                   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA103L-4AI</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16AJ</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16AN</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA103-6AC</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP        | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16AU</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E36A-AU-Y</a><br>Description: 48-TQFP, IND TEMP, 1.8V/3V, TRAY     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E32AS-AU-Y</a><br>Description: 48-TQFP, IND TEMP, 1.8V/3V, TRAY    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E36A-AU-R</a><br>Description: IC ENERGY METER 1.8V/3V 48TQFP       | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATM90E32AS-DB</a><br>Description: ATM90E32AS DEMO BOARD                 | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATMEGA128-16ANR</a><br>Description: IC MCU 8BIT 128KB FLASH 64TQFP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

Related keywords for **ATMEGA103-6AI**

|                                             |                                    |                                                         |                     |
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| ATMEGA103-6AI download datasheet            | ATMEGA103-6AI datasheet            | ATMEGA103-6AI stock                                     | buy ATMEGA103-6AI   |
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