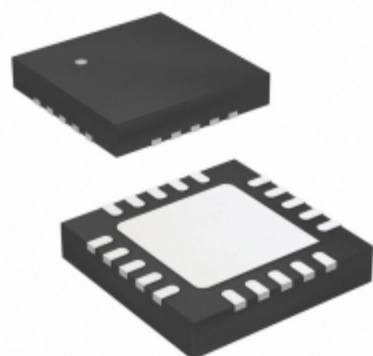


ATTINY44A-MF





Part Number: [ATTINY44A-MF](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB FLASH 20QFN

Data sheet:  [ATtiny24A,44A,84A Summary](#)  
 [ATTINY24A,44A,84A Complete](#)

RoHs Status: Lead free / RoHS Compliant

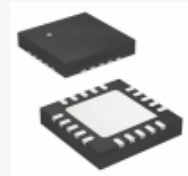
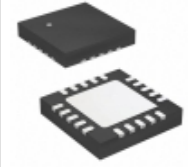
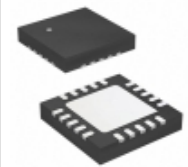
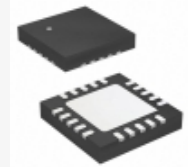
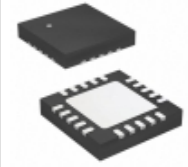
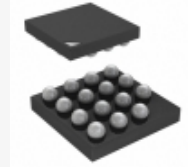
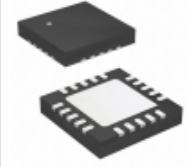
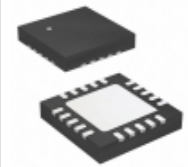
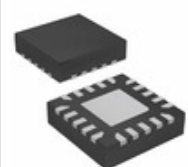
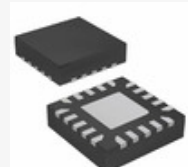
Ship From: Hong Kong

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

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                    |                                  |                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | ATTINY44A-MF                                       | Manufacturer                     | <a href="#">Micrel / Microchip Technology</a>                                           |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | IC MCU 8BIT 4KB FLASH 20QFN                        | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 74084 pcs                                          | Data sheet                       | <a href="#">ATtiny24A,44A,84A Summary</a><br><a href="#">ATTINY24A,44A,84A Complete</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | <a href="#">Integrated Circuits (ICs)</a>          | Voltage - Supply (Vcc/Vdd)       | 1.8 V ~ 5.5 V                                                                           |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 20-QFN (4x4)                                       | Speed                            | 20MHz                                                                                   |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | AVR® ATtiny                                        | RAM Size                         | 256 x 8                                                                                 |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | FLASH                                              | Program Memory Size              | 4KB (2K x 16)                                                                           |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT | Packaging                        | Tray                                                                                    |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 20-WFQFN Exposed Pad                               | Other Names                      | ATTINY44AMF                                                                             |
| Oscillator Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Internal                                           | Operating Temperature            | -40°C ~ 125°C (TA)                                                                      |
| Number of I/O                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 12                                                 | Moisture Sensitivity Level (MSL) | 3 (168 Hours)                                                                           |
| Manufacturer Standard Lead Time                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4 Weeks                                            | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                              |
| EEPROM Size                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 256 x 8                                            | Detailed Description             | AVR AVR® ATtiny Microcontroller IC 8-Bit 20MHz 4KB (2K x 16) FLASH 20-QFN (4x4)         |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A/D 8x10b                                          | Core Size                        | 8-Bit                                                                                   |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | AVR                                                | Connectivity                     | USI                                                                                     |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | ATTINY44                                           |                                  |                                                                                         |
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| RELATED PRODUCTS                                                                   |                                                                                      |                                                              |                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|----------------|
|  | Part#: <a href="#">ATTINY441-MMHRA0</a><br>Description: IC MCU 8BIT 4KB FLASH 20VQFN | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-MU</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-MMHR</a><br>Description: IC MCU 8BIT 4KB FLASH 20VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-SSN</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-MU</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-MUR</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-SSF</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-SSFR</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-SSUR</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44-20SSUR</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-MMH</a><br>Description: IC MCU 8BIT 4KB FLASH 20VQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-CCU</a><br>Description: IC MCU 8BIT 4KB FLASH 15UFBGA   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-MUR</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-SSU</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-MFR</a><br>Description: IC MCU 8BIT 4KB FLASH 20QFN     | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-PU</a><br>Description: IC MCU 8BIT 4KB FLASH 14DIP      | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-MMH</a><br>Description: IC MCU 8BIT 4KB FLASH 20VQFN    | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-SSNR</a><br>Description: IC MCU 8BIT 4KB FLASH 14SOIC   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY44A-CCUR</a><br>Description: IC MCU 8BIT 4KB FLASH 15UFBGA  | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |
|  | Part#: <a href="#">ATTINY441-MMHR</a><br>Description: IC MCU 8BIT 4KB FLASH 20VQFN   | Manufacturers: <a href="#">Micrel / Microchip Technology</a> | <div>RFQ</div> |

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