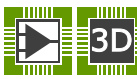


Image may be representation.  
See specifications for product details.



## ATTINY44V-10MU

|                          |  |
|--------------------------|--|
| Manufacturer Part Number | <b>ATTINY44V-10MU</b>  |
| Manufacturer             | <b>Atmel</b>   |
| Allelco Part Number      | 32D-ATTINY44V-10MU   |
| ECAD Model               |  PCB Symbol, Footprint & 3D Model |
| Parts Description        | IC MCU 8BIT 4KB FLASH 20QFN  |
| Package                  | 20-WFQFN Exposed Pad   |
| Data sheet               | ATTINY44V-10MU.pdf   |

**Get a Quote**

ATTINY44V-10MU - Atmel.New Original in Stock. Download Linear Technology ATTINY44V-10MU datasheet/specifications on AllelcoElec.com.  
Request a quote for ATTINY44V-10MU, please send us email: [info@allelco.com](mailto:info@allelco.com)

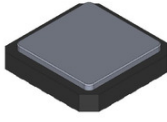

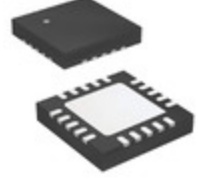

### Specifications

ATTINY44V-10MU Tech Specifications  
ATTINY44V-10MU - Atmel technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                       | Product Attribute     | Attribute Value   |
|----------------------------|---------------------------------------|-----------------------|-------------------|
| Manufacturer               | Atmel                                 | Oscillator Type       | Internal          |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V                           | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package    | 20-QFN-EP (4x4)                       | Number of I/O         | 12                |
| Speed                      | 10MHz                                 | Mounting Type         | Surface Mount     |
| Series                     | AVR® ATTiny                           | EEPROM Size           | 256 x 8           |
| RAM Size                   | 256 x 8                               | Data Converters       | A/D 8x10b         |
| Program Memory Type        | FLASH                                 | Core Size             | 8-Bit             |
| Program Memory Size        | 4KB (2K x 16)                         | Core Processor        | AVR               |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity          | USI               |
| Package / Case             | 20-WFQFN Exposed Pad                  | Base Product Number   | ATTINY44          |
| Package                    | Bulk                                  |                       |                   |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Atmel ATTINY44V-10MU

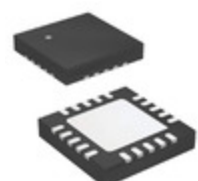
| Product Attribute          |  |  |  |  |
|----------------------------|---|---|--|---|
| Part Number                | ATTINY44V-10MU  | ATTINY44V-10SSU   | ATTINY44V-10MU   | ATTINY45-15ST1  |
| Manufacturer               | Atmel   | Microchip Technology  | Microchip Technology   | Atmel   |
| Core Size                  | 8-Bit   | 8-Bit   | 8-Bit  | 8-Bit   |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, POR, PWM, WDT   | Brown-out Detect/Reset, POR, PWM, WDT  | Brown-out Detect/Reset, POR, PWM, WDT   |
| Base Product Number        | ATTINY44  | ATTINY44  | ATTINY44   | ATTINY45  |
| Mounting Type              | Surface Mount   | Surface Mount   | Surface Mount  | Surface Mount   |
| Package / Case             | 20-WFQFN Exposed Pad  | 14-SOIC (0.154", 3.90mm Width)  | 20-WFQFN Exposed Pad   | 8-SOIC (0.209", 5.30mm Width)   |
| Program Memory Type        | FLASH   | FLASH   | FLASH  | FLASH   |
| RAM Size                   | 256 x 8   | 256 x 8   | 256 x 8  | 256 x 8   |
| Number of I/O              | 12  | 12  | 12   | 6   |
| Operating Temperature      | -40°C ~ 85°C (TA)   | -40°C ~ 85°C (TA)   | -40°C ~ 85°C (TA)  | -40°C ~ 105°C (TA)  |
| Series                     | AVR® ATTiny   | AVR® ATTiny   | AVR® ATTiny  | Automotive, AEC-Q100, AVR® ATTiny, Functional Safety (FuSa)                           |
| Data Converters            | A/D 8x10b   | A/D 8x10b   | A/D 8x10b  | A/D 4x10b   |
| EEPROM Size                | 256 x 8   | 256 x 8   | 256 x 8  | 256 x 8   |
| Speed                      | 10MHz   | 10MHz   | 10MHz  | 16MHz   |
| Package                    | Bulk  | Tube  | Tray   | Bulk  |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V   | 1.8V ~ 5.5V   | 1.8V ~ 5.5V  | 2.7V ~ 5.5V   |
| Program Memory Size        | 4KB (2K x 16)   | 4KB (2K x 16)   | 4KB (2K x 16)  | 4KB (2K x 16)   |
| Core Processor             | AVR   | AVR   | AVR  | AVR   |
| Supplier Device Package    | 20-QFN-EP (4x4)   | 14-SOIC   | 20-QFN-EP (4x4)  | 8-SOIC  |
| Oscillator Type            | Internal  | Internal  | Internal   | Internal  |
| Connectivity               | USI   | USI   | USI  | USI   |

### Customers Also Interested in

#### Recommended Products



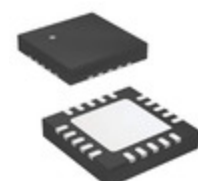
**ATTINY44V-10SSU**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



**ATTINY44V-10MU**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 20QFN



**ATTINY45-15ST1**  
Atmel  
IC MCU 8BIT 4KB FLASH 8SOIC



**ATTINY44A-MUR**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 20QFN



**ATTINY45-15ST**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 8SOIC



**ATTINY44A-PU**  
Atmel  
IC MCU 8BIT 4KB FLASH 14DIP



**ATTINY44A-SSNR**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



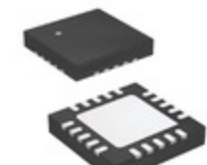
**ATTINY45-15SZ**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 8SOIC



**ATTINY44A-PU**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14DIP



**ATTINY44A-SSU**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



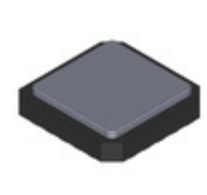
**ATTINY45-15MT2**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 20WQFN



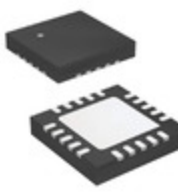
**ATTINY45-15ST1**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 8SOIC



**ATTINY45-15MT**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 20WQFN



**ATTINY44A-MUR**  
Atmel  
IC MCU 8BIT 4KB FLASH 20QFN



**ATTINY45-15MZ**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 20WQFN



**ATTINY44A-SSFR**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



**ATTINY44V-10SSUR**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC



**ATTINY44A-SSF**  
Microchip Technology  
IC MCU 8BIT 4KB FLASH 14SOIC

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

- > Use your express account for shipment if you have one.
  - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

### Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

| Region      | Country        | Logistic Time(Day) |
|-------------|----------------|--------------------|
| America     | United States  | 5                  |
|             | Brazil         | 7                  |
| Europe      | Germany        | 5                  |
|             | United Kingdom | 4                  |
|             | Italy          | 5                  |
| Oceania     | Australia      | 6                  |
|             | New Zealand    | 7                  |
| Asia        | India          | 6                  |
|             | Japan          | 7                  |
| Middle East | Israel         | 6                  |

DHL & FedEx Shipment Charges Reference

| Shipment charges(KG) | Reference DHL(USD\$) |
|----------------------|----------------------|
| 0.00kg-1.00kg        | USD\$60.00           |
| 1.00kg-2.00kg        | USD\$70.00           |
| 2.00kg-3.00kg        | USD\$80.00           |

**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.

Contact us if you have any questions.

## Payment Support

The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone  
+00852 9146 4856
- Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

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Fax: +00852 3010 8510  
Email: info@Allelco.com