

Image may be representation.  
See specifications for product details.



## ATTINY84A-SSUR

|                          |   |
|--------------------------|---|
| Manufacturer Part Number | <b>ATTINY84A-SSUR</b>   |
| Manufacturer             | <b>Microchip Technology</b>   |
| Allelco Part Number      | 32D-ATTINY84A-SSUR  |
| ECAD Model               | PCB Symbol, Footprint & 3D Model  |
| Parts Description        | IC MCU 8BIT 8KB FLASH 14SOIC  |
| Package                  | 14-SOIC (0.154", 3.90mm Width)  |
| Data sheet               | <b><a href="#">ATTINY24A,44A,84A Complete.pdf</a></b><br><b><a href="#">ATTiny24A,44A,84A Summary.pdf</a></b> |
| RoHs Status              | <b>ROHS3 Compliant</b>  |

**Get a Quote**

ATTINY84A-SSUR - Microchip Technology. New Original in Stock. Download Linear Technology ATTINY84A-SSUR datasheet/specifications on AllelcoElec.com.  
Request a quote for ATTINY84A-SSUR, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

ATTINY84A-SSUR Tech Specifications  
ATTINY84A-SSUR - Microchip Technology technical specifications, attributes, parameters

| Product Attribute          | Attribute Value                                    | Product Attribute     | Attribute Value   |
|----------------------------|--|-----------------------|-------------------|
| Manufacturer               | Microchip Technology                               | Oscillator Type       | Internal          |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V  | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package    | 14-SOIC  | Number of I/O         | 12                |
| Speed                      | 20MHz  | Mounting Type         | Surface Mount     |
| Series                     | AVR® ATtiny  | EEPROM Size           | 512 x 8           |
| RAM Size                   | 512 x 8  | Data Converters       | A/D 8x10b         |
| Program Memory Type        | FLASH  | Core Size             | 8-Bit             |
| Program Memory Size        | 8KB (4K x 16)                                      | Core Processor        | AVR               |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT | Connectivity          | USI               |
| Package / Case             | 14-SOIC (0.154", 3.90mm Width)                     | Base Product Number   | ATTINY84          |
| Package                    | Tape & Reel (TR)                                   |                       |                   |

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology ATTINY84A-SSUR

| Product Attribute          |  |   |                                       |  |
|----------------------------|--|---|---------------------------------------|--|
| Part Number                | ATTINY84A-SSUR                                     | <b>ATTINY85-15SZ</b>  | <b>ATTINY85-20MU</b>                  | <b>ATTINY84A-MU</b>                                |
| Manufacturer               | Microchip Technology                               | Microchip Technology  | Microchip Technology                  | Microchip Technology                               |
| Core Processor             | AVR  | AVR   | AVR                                   | AVR  |
| Supplier Device Package    | 14-SOIC  | 8-SOIC  | 20-QFN-EP (4x4)                       | 20-QFN-EP (4x4)                                    |
| Package                    | Tape & Reel (TR)                                   | Tape & Reel (TR)  | Tray                                  | Tray   |
| Program Memory Type        | FLASH  | FLASH   | FLASH                                 | FLASH  |
| Speed                      | 20MHz  | 16MHz   | 20MHz                                 | 20MHz  |
| Voltage - Supply (Vcc/Vdd) | 1.8V ~ 5.5V  | 2.7V ~ 5.5V   | 2.7V ~ 5.5V                           | 1.8V ~ 5.5V  |
| EEPROM Size                | 512 x 8  | 512 x 8   | 512 x 8                               | 512 x 8  |
| Peripherals                | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT | Brown-out Detect/Reset, POR, PWM, WDT                       | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, Temp Sensor, WDT |
| Program Memory Size        | 8KB (4K x 16)                                      | 8KB (4K x 16)   | 8KB (4K x 16)                         | 8KB (4K x 16)                                      |
| Base Product Number        | ATTINY84   | ATTINY85  | ATTINY85                              | ATTINY84   |
| RAM Size                   | 512 x 8  | 512 x 8   | 512 x 8                               | 512 x 8  |
| Series                     | AVR® ATtiny  | Automotive, AEC-Q100, AVR® ATtiny, Functional Safety (FuSa) | AVR® ATtiny, Functional Safety (FuSa) | AVR® ATtiny  |
| Oscillator Type            | Internal   | Internal  | Internal                              | Internal   |
| Number of I/O              | 12   | 6   | 6                                     | 12   |
| Connectivity               | USI  | USI   | USI                                   | USI  |
| Data Converters            | A/D 8x10b  | A/D 4x10b   | A/D 4x10b                             | A/D 8x10b  |
| Operating Temperature      | -40°C ~ 85°C (TA)                                  | -40°C ~ 125°C (TA)  | -40°C ~ 85°C (TA)                     | -40°C ~ 85°C (TA)                                  |
| Package / Case             | 14-SOIC (0.154", 3.90mm Width)                     | 8-SOIC (0.209", 5.30mm Width)                               | 20-WFQFN Exposed Pad                  | 20-WFQFN Exposed Pad                               |
| Core Size                  | 8-Bit  | 8-Bit   | 8-Bit                                 | 8-Bit  |
| Mounting Type              | Surface Mount                                      | Surface Mount   | Surface Mount                         | Surface Mount                                      |

### ATTINY84A-SSUR Datasheet PDF

Download ATTINY84A-SSUR pdf datasheets and Microchip Technology documentation for ATTINY84A-SSUR - Microchip Technology.

#### Datasheets

[ATTINY24A,44A,84A Complete.pdf](#)

[ATTiny24A,44A,84A Summary.pdf](#)

#### PCN Packaging

Transfer to Microchip/Label/Pkg 5/Sep/2016.pdf

Boxes 07/Dec/2016.pdf

### PCN Design/Specification

Marking Chgs 11/Jul/2017.pdf

ATTiny24A/44A/84A 02/Dec/2020.pdf

### PCN Assembly/Origin

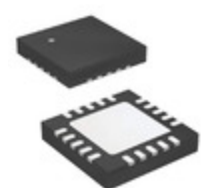
Fab Site 28/Jan/2021.pdf

## Customers Also Interested in

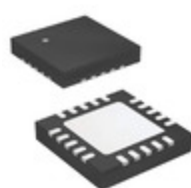
### Recommended Products



**ATTINY85-15SZ**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



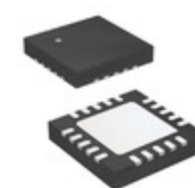
**ATTINY85-20MU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



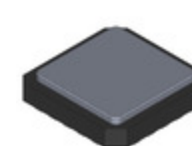
**ATTINY84A-MU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY85-20SUR**  
Atmel  
IC MCU 8BIT 8KB FLASH 8SOIC



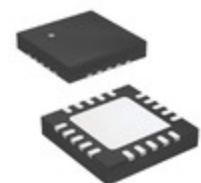
**ATTINY84V-10MU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY84V-10MU**  
Atmel  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY84A-SSF**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



**ATTINY84A-MUR**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY84A-MMHR**  
Atmel  
IC MCU 8BIT 8KB FLASH 20VQFN



**ATTINY84A-SSFR**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



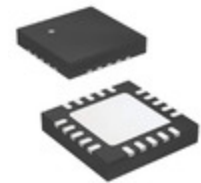
**ATTINY85-20SU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



**ATTINY85-20PU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 8DIP



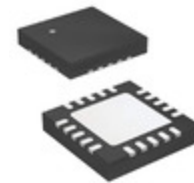
**ATTINY84A-SSU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 14SOIC



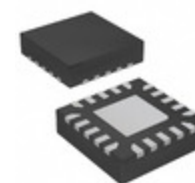
**ATTINY85V-10MU**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY85-20SUR**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC



**ATTINY84A-MF**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20QFN



**ATTINY84A-MMHR**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 20VQFN



**ATTINY85-15ST1**  
Microchip Technology  
IC MCU 8BIT 8KB FLASH 8SOIC

## 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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