



Image may be representation.
See specifications for product details.



AT89LP52-20AU

| | |
|--------------------------|----------------------------------------|
| Manufacturer Part Number | AT89LP52-20AU |
| Manufacturer | Microchip Technology |
| Allelco Part Number | 32D-AT89LP52-20AU |
| ECAD Model | PCB Symbol, Footprint & 3D Mode |
| Parts Description | IC MCU 8BIT 8KB FLASH 44TQFP |
| Package | 44-TQFP |
| Data sheet | Cylindrical Battery Holders.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

AT89LP52-20AU - Microchip Technology. New Original in Stock. Download Linear Technology AT89LP52-20AU datasheet/specifications on AllelcoElec.com. Request a quote for AT89LP52-20AU, please send us email: info@allelco.com

Specifications

AT89LP52-20AU Tech Specifications

AT89LP52-20AU - Microchip Technology technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|----------------------------|---------------------------------------|-----------------------|--------------------------------------------|
| Manufacturer | Microchip Technology | Oscillator Type | Internal |
| Voltage - Supply (Vcc/Vdd) | 2.4V ~ 5.5V | Operating Temperature | -40°C ~ 85°C (TA) |
| Supplier Device Package | 44-TQFP (10x10) | Number of I/O | 36 |
| Speed | 20MHz | Mounting Type | Surface Mount |
| Series | 89LP | EEPROM Size | - |
| RAM Size | 256 x 8 | Data Converters | - |
| Program Memory Type | FLASH | Core Size | 8-Bit |
| Program Memory Size | 8KB (8K x 8) | Core Processor | 8051 |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Connectivity | EBI/EMI, I ² C, SPI, UART/USART |
| Package / Case | 44-TQFP | Base Product Number | AT89LP52 |
| Package | Tray | | |

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT89LP52-20AU

| Product Attribute | | | | |
|----------------------------|--------------------------------------------|--------------------------------------------|----------------------|---------------------------------------|
| Part Number | AT89LP52-20AU | AT89LP51RD2-20JU | AT89LS51-16AU | AT89LP828-20AU |
| Manufacturer | Microchip Technology | Microchip Technology | Microchip Technology | Microchip Technology |
| Connectivity | EBI/EMI, I ² C, SPI, UART/USART | EBI/EMI, I ² C, SPI, UART/USART | UART/USART | SPI, UART/USART |
| Speed | 20MHz | 20MHz | 16MHz | 20MHz |
| Core Size | 8-Bit | 8-Bit | 8-Bit | 8-Bit |
| Voltage - Supply (Vcc/Vdd) | 2.4V ~ 5.5V | 2.4V ~ 5.5V | 2.7V ~ 4V | 2.4V ~ 5.5V |
| Number of I/O | 36 | 40 | 32 | 30 |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Program Memory Size | 8KB (8K x 8) | 64KB (64K x 8) | 4KB (4K x 8) | 8KB (8K x 8) |
| EEPROM Size | - | - | - | 1K x 8 |
| Oscillator Type | Internal | Internal | Internal | Internal |
| Base Product Number | AT89LP52 | AT89LP51 | AT89LS51 | AT89LP828 |
| Peripherals | Brown-out Detect/Reset, POR, PWM, WDT | Brown-out Detect/Reset, POR, PWM, WDT | WDT | Brown-out Detect/Reset, POR, PWM, WDT |
| RAM Size | 256 x 8 | 2.25K x 8 | 128 x 8 | 768 x 8 |
| Package | Tray | Tube | Tray | Tray |
| Series | 89LP | 89LP | 89LS | 89LP |
| Operating Temperature | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) | -40°C ~ 85°C (TA) |
| Package / Case | 44-TQFP | 44-LCC (J-Lead) | 44-TQFP | 32-TQFP |
| Data Converters | - | A/D 7x10b | - | - |
| Supplier Device Package | 44-TQFP (10x10) | 44-PLCC (16.6x16.6) | 44-TQFP (10x10) | 32-TQFP (7x7) |
| Program Memory Type | FLASH | FLASH | FLASH | FLASH |
| Core Processor | 8051 | 8051 | 8051 | 8051 |

AT89LP52-20AU Datasheet PDF

Download AT89LP52-20AU pdf datasheets and Microchip Technology documentation for AT89LP52-20AU - Microchip Technology.

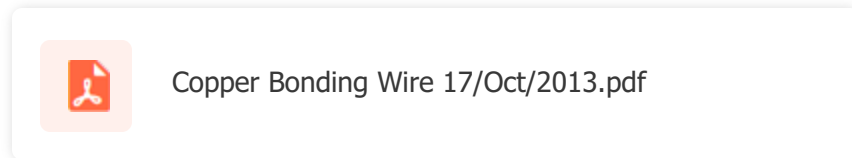
Datasheets

[Cylindrical Battery Holders.pdf](#)

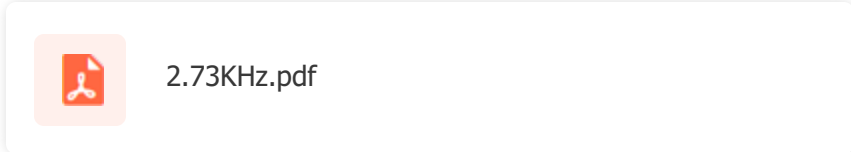
PCN Packaging

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PCN Assembly/Origin



Customers Also Interested in

Recommended Products

| | | | | | | |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------|--|
| | | | | | | |
| AT89LP51RD2-20JU Microchip Technology IC MCU 8BIT 64KB FLASH 44PLCC | AT89LS51-16AU Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP | AT89LP828-20AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP | AT89LS51-16AC Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP | AT89LP51ED2-20PU Microchip Technology IC MCU 8BIT 64KB FLASH 40DIP | AT89LP52-20PU Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP | |
| | | | | | | |
| AT89LP51ED2-20AU Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP | AT89LP6440-20MU Atmel IC MCU 8BIT 64KB FLASH 44VQFN | AT89LP51RC2-20JU Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC | AT89LP52-20JU Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC | AT89LP51ED2-20JU Microchip Technology IC MCU 8BIT 64KB FLASH 44PLCC | AT89LP6440-20AU Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP | |
| | | | | | | |
| AT89LS51-16AI Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP | AT89LP4052-20XU Atmel IC MCU 8BIT 4KB FLASH 20TSSOP | AT89LP51ID2-20AU Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP | AT89LP51ED2-20AAU Microchip Technology IC MCU 8BIT 64KB FLASH 44LQFP | AT89LP428-20PU Microchip Technology IC MCU 8BIT 4KB FLASH 28DIP | AT89LP6440-20MU Microchip Technology IC MCU 8BIT 64KB FLASH 44VQFN | |

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 |
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Contact us if you have any questions.

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

Certifications & Memberships



View More

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