



Image may be representation.  
See specifications for product details.



## AT89C51AC2-RLTUM

Manufacturer Part Number	<b>AT89C51AC2-RLTUM</b>
Manufacturer	<b>Microchip Technology</b>
Allelco Part Number	32D-AT89C51AC2-RLTUM
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 32KB FLASH 44VQFP
Package	44-LQFP
Data sheet	<b>A(T)89C51AC2.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

AT89C51AC2-RLTUM - Microchip Technology. New Original in Stock. Download Linear Technology AT89C51AC2-RLTUM datasheet/specifications on AllelcoElec.com. Request a quote for AT89C51AC2-RLTUM, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

AT89C51AC2-RLTUM Tech Specifications  
AT89C51AC2-RLTUM - Microchip Technology technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Microchip Technology	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-VQFP (10x10)	Number of I/O	34
Speed	40MHz	Mounting Type	Surface Mount
Series	89C	EEPROM Size	2K x 8
RAM Size	1.25K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	32KB (32K x 8)	Core Processor	80C51
Peripherals	POR, PWM, WDT	Connectivity	UART/USART
Package / Case	44-LQFP	Base Product Number	AT89C51
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT89C51AC2-RLTUM

Product Attribute				
Part Number	AT89C51AC2-RLTUM	<b>AT89C51AC3-RLTUM</b>	<b>AT89C5130A-RDTUM</b>	<b>AT89C5131A-RDTUM</b>
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Core Processor	80C51	80C51	80C51	80C51
Voltage - Supply (Vcc/Vdd)	3V ~ 5.5V	3V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Peripherals	POR, PWM, WDT	POR, PWM, WDT	LED, POR, PWM, WDT	LED, POR, PWM, WDT
Connectivity	UART/USART	UART/USART	I <sup>2</sup> C, SPI, UART/USART, USB	I <sup>2</sup> C, SPI, UART/USART, USB
Series	89C	89C	AT89C513x	AT89C513x
Speed	40MHz	60MHz	48MHz	48MHz
Supplier Device Package	44-VQFP (10x10)	44-VQFP (10x10)	64-VQFP (10x10)	64-VQFP (10x10)
Package / Case	44-LQFP	44-LQFP	64-LQFP	64-LQFP
RAM Size	1.25K x 8	2.25K x 8	1.25K x 8	1.25K x 8
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Program Memory Size	32KB (32K x 8)	64KB (64K x 8)	16KB (16K x 8)	32KB (32K x 8)
Number of I/O	34	36	34	34
Package	Tray	Tray	Tray	Tray
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Oscillator Type	External	External	Internal	Internal
Base Product Number	AT89C51	AT89C51	AT89C5130	AT89C5131
Data Converters	A/D 8x10b	A/D 8x10b	-	-
EEPROM Size	2K x 8	2K x 8	4K x 8	4K x 8

### AT89C51AC2-RLTUM Datasheet PDF

Download AT89C51AC2-RLTUM pdf datasheets and Microchip Technology documentation for AT89C51AC2-RLTUM - Microchip Technology.

#### PCN Packaging

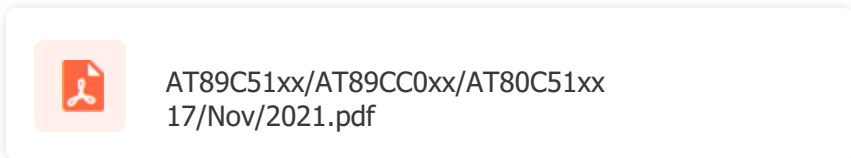
[MBB/Label Chgs 16/Nov/2018.pdf](#)

[Boxes 07/Dec/2016.pdf](#)

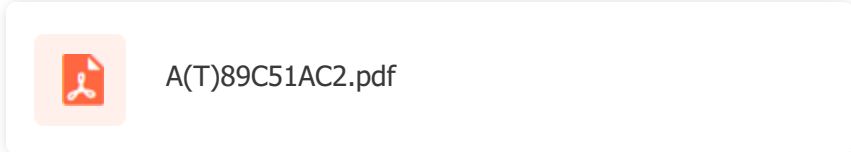
#### PCN Design/Specification

[Marking Chgs 11/Jul/2017.pdf](#)

[Copper Bonding Wire 06/Jun/2014.pdf](#)



HTML Datasheet



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Recommended Products

 <b>AT89C5131A-RDTIM</b> Atmel (Microchip Technology)	 <b>AT89C51AC3-RLTUM</b> Microchip Technology IC MCU 8BIT 64KB FLASH 44VQFP	 <b>AT89C5130A-UM</b> Atmel (Microchip Technology)	 <b>AT89C5131A-UL</b> Atmel (Microchip Technology)	 <b>AT89C5130A-RDTUM</b> Microchip Technology IC MCU 8BIT 16KB FLASH 64VQFP	 <b>AT89C51AC2-SLSIM</b> Atmel (Microchip Technology)
 <b>AT89C5131A-RDTUM</b> Microchip Technology IC MCU 8BIT 32KB FLASH 64VQFP	 <b>AT89C5131A-UM</b> Atmel (Microchip Technology)	 <b>AT89C5131A-RDTUL</b> Microchip Technology IC MCU 8BIT 32KB FLASH 64LQFP	 <b>AT89C51AC3-RLTUM</b> Atmel IC MCU 8BIT 64KB FLASH 44VQFP	 <b>AT89C51AC3-UM</b> Atmel (Microchip Technology)	 <b>AT89C5131A-DDV</b> Atmel (Microchip Technology)
 <b>AT89C51AC2-UM</b> Atmel (Microchip Technology)	 <b>AT89C5131A-IM</b> Atmel (Microchip Technology)	 <b>AT89C51CC01CA-RLTUM</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44VQFP	 <b>AT89C51AC2-SLSUM</b> Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC	 <b>AT89C51CC01CA-IM</b> Atmel (Microchip Technology)	 <b>AT89C5131A-S3SIM</b> Microchip Technology IC MCU 8BIT 32KB FLASH 52PLCC

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 -

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Contact us if you have any questions.

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Certifications & Memberships



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