



Image may be representation.
See specifications for product details.



AT89LP6440-20AU

Manufacturer Part Number	AT89LP6440-20AU
Manufacturer	Microchip Technology
Allelco Part Number	32D-AT89LP6440-20AU
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 64KB FLASH 44TQFP
Package	44-TQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

AT89LP6440-20AU - Microchip Technology.New Original in Stock. Download Linear Technology AT89LP6440-20AU datasheet/specifications on AllelcoElec.com.
Request a quote for AT89LP6440-20AU, please send us email: info@allelco.com

Specifications

AT89LP6440-20AU Tech Specifications
AT89LP6440-20AU - 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 ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	44-TQFP (10x10)	Number of I/O	38
Speed	20MHz	Mounting Type	Surface Mount
Series	89LP	EEPROM Size	8K x 8
RAM Size	4.25K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	64KB (64K x 8)	Core Processor	8051
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Connectivity	I ² C, SPI, UART/USART
Package / Case	44-TQFP	Base Product Number	AT89LP6440
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to Microchip Technology AT89LP6440-20AU

Product Attribute				
Part Number	AT89LP6440-20AU	AT89LP51ED2-20PU	AT89LP52-20JU	AT89LS51-16AC
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
Supplier Device Package	44-TQFP (10x10)	40-PDIP	44-PLCC (16.6x16.6)	44-TQFP (10x10)
Data Converters	A/D 8x10b	A/D 7x10b	-	-
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	4.25K x 8	2.25K x 8	256 x 8	128 x 8
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	Brown-out Detect/Reset, POR, PWM, WDT	WDT
Connectivity	I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	UART/USART
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	8KB (8K x 8)	4KB (4K x 8)
Oscillator Type	Internal	Internal	Internal	Internal
Core Processor	8051	8051	8051	8051
Number of I/O	38	37	36	32
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)
Package / Case	44-TQFP	40-DIP (0.600", 15.24mm)	44-LCC (J-Lead)	44-TQFP
Package	Tray	Tube	Tube	Tray
Base Product Number	AT89LP6440	AT89LP51	AT89LP52	AT89LS51
Speed	20MHz	20MHz	20MHz	16MHz
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Series	89LP	89LP	89LP	89LS
Voltage - Supply (Vcc/Vdd)	2.4V ~ 3.6V	2.4V ~ 5.5V	2.4V ~ 5.5V	2.7V ~ 4V
EEPROM Size	8K x 8	4K x 8	-	-

AT89LP6440-20AU Datasheet PDF

Download AT89LP6440-20AU pdf datasheets and Microchip Technology documentation for AT89LP6440-20AU - Microchip Technology.

Datasheets

[Cylindrical Battery Holders.pdf](#)

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 17/Oct/2013.pdf

PCN Assembly/Origin



2.73KHz.pdf

Customers Also Interested in

Recommended Products



AT89LP51ED2-20PU

Microchip Technology
IC MCU 8BIT 64KB FLASH 40DIP



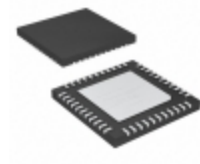
AT89LS51-16AC

Microchip Technology
IC MCU 8BIT 4KB FLASH 44TQFP



AT89LP52-20JU

Microchip Technology
IC MCU 8BIT 64KB FLASH 44PLCC



AT89LP6440-20MU

Microchip Technology
IC MCU 8BIT 64KB FLASH 44VQFN



AT89LS51-16PU

Atmel
IC MCU 8BIT 4KB FLASH 40DIP



AT89LP51ED2-20AU

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



AT89LP51ID2-20AU

Microchip Technology
IC MCU 8BIT 64KB FLASH 44TQFP



AT89LP52-20PU

Microchip Technology
IC MCU 8BIT 8KB FLASH 40DIP



AT89LP828-20AU

Microchip Technology
IC MCU 8BIT 8KB FLASH 32TQFP



AT89LS51-16AU

Microchip Technology
IC MCU 8BIT 4KB FLASH 44TQFP



AT89LP6440-20MU

Atmel
IC MCU 8BIT 64KB FLASH 44VQFN



AT89LS51-16AI

Microchip Technology
IC MCU 8BIT 4KB FLASH 44TQFP



AT89LS51-16JC

Microchip Technology
IC MCU 8BIT 4KB FLASH 44PLCC



AT89LS51-16JU

Microchip Technology
IC MCU 8BIT 4KB FLASH 44PLCC



AT89LP51RD2-20JU

Microchip Technology
IC MCU 8BIT 64KB FLASH 44PLCC



AT89LP51RC2-20JU

Microchip Technology
IC MCU 8BIT 32KB FLASH 44PLCC

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.



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Email

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Certifications & Memberships



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