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See specifications for product details.



AT89LP6440-20MU

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

Get a Quote

AT89LP6440-20MU - Microchip Technology.New Original in Stock. Download Linear Technology AT89LP6440-20MU datasheet/specifications on AllelcoElec.com.
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Specifications

AT89LP6440-20MU Tech Specifications
AT89LP6440-20MU - 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-VQFN (7x7)	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-VFQFN Exposed Pad	Base Product Number	AT89LP6440
Package	Tray		

Parts with Similar Specifications

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

Product Attribute				
Part Number	AT89LP6440-20MU	AT89LP51RD2-20JU	AT89LP52-20PU	AT89LP828-20AU
Manufacturer	Microchip Technology	Microchip Technology	Microchip Technology	Microchip Technology
EEPROM Size	8K x 8	-	-	1K x 8
Oscillator Type	Internal	Internal	Internal	Internal
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Number of I/O	38	40	36	30
Supplier Device Package	44-VQFN (7x7)	44-PLCC (16.6x16.6)	40-PDIP	32-TQFP (7x7)
Program Memory Size	64KB (64K x 8)	64KB (64K x 8)	8KB (8K x 8)	8KB (8K x 8)
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
RAM Size	4.25K x 8	2.25K x 8	256 x 8	768 x 8
Connectivity	I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	EBI/EMI, I ² C, SPI, UART/USART	SPI, UART/USART
Speed	20MHz	20MHz	20MHz	20MHz
Package / Case	44-VFQFN Exposed Pad	44-LCC (J-Lead)	40-DIP (0.600", 15.24mm)	32-TQFP
Series	89LP	89LP	89LP	89LP
Voltage - Supply (Vcc/Vdd)	2.4V ~ 3.6V	2.4V ~ 5.5V	2.4V ~ 5.5V	2.4V ~ 5.5V
Core Processor	8051	8051	8051	8051
Base Product Number	AT89LP6440	AT89LP51	AT89LP52	AT89LP828
Data Converters	A/D 8x10b	A/D 7x10b	-	-
Package	Tray	Tube	Tube	Tray

AT89LP6440-20MU Datasheet PDF

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

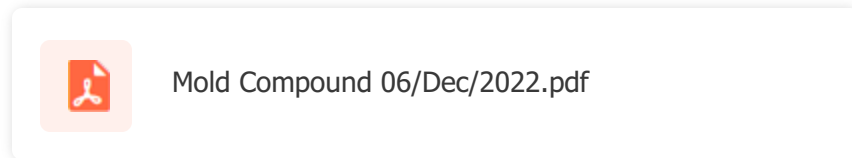
Datasheets

[Cylindrical Battery Holders.pdf](#)

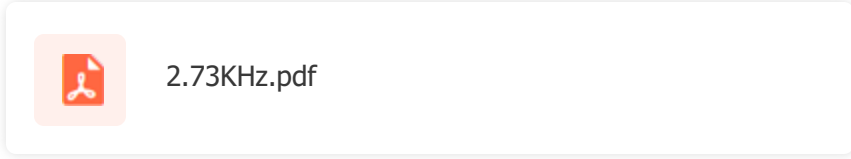
PCN Packaging

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PCN Other



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Recommended Products

AT89LP51RD2-20JU Microchip Technology IC MCU 8BIT 64KB FLASH 44PLCC	AT89LP52-20PU Microchip Technology IC MCU 8BIT 8KB FLASH 40DIP	AT89LP828-20AU Microchip Technology IC MCU 8BIT 8KB FLASH 32TQFP	AT89LP51ID2-20AU Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	AT89LP51RC2-20JU Microchip Technology IC MCU 8BIT 32KB FLASH 44PLCC	AT89LP52-20JU Microchip Technology IC MCU 8BIT 8KB FLASH 44PLCC
AT89LS51-16AU Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT89LP6440-20AU Microchip Technology IC MCU 8BIT 64KB FLASH 44TQFP	AT89LS51-16JC Microchip Technology IC MCU 8BIT 4KB FLASH 44PLCC	AT89LS51-16PU Atmel IC MCU 8BIT 4KB FLASH 40DIP	AT89LS51-16AC Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT89LS51-16JU Microchip Technology IC MCU 8BIT 4KB FLASH 44PLCC
AT89LS52-16AC Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP	AT89LP51RB2-20PU Microchip Technology IC MCU 8BIT 24KB FLASH 40DIP	AT89LP6440-20MU Atmel IC MCU 8BIT 64KB FLASH 44VQFN	AT89LS51-16AI Microchip Technology IC MCU 8BIT 4KB FLASH 44TQFP	AT89LP52-20AU Microchip Technology IC MCU 8BIT 8KB FLASH 44TQFP	AT89LS51-16PU Microchip Technology IC MCU 8BIT 4KB FLASH 40DIP

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.

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