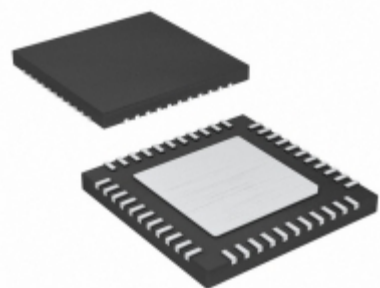


ATMEGA644PA-MU





Part Number: [ATMEGA644PA-MU](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 64KB FLASH 44VQFN

Data sheet:  [ATMEGA164,324,644,1284\(A,P,P\) Summary](#)
 [ATMEGA164,324,644,1284\(A,P,PA\) Datasheet](#)

RoHs Status: Lead free / RoHS Compliant

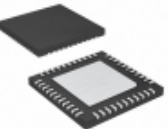
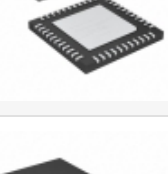
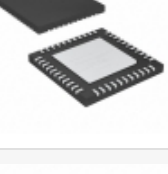
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.
See Product Specifications for product details.
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Request For Quotation

PRODUCT PARAMETER			
Part Number	ATMEGA644PA-MU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 64KB FLASH 44VQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	23535 pcs	Data sheet	ATMEGA164,324,644,1284(A,PA,P) Summary ATMEGA164,324,644,1284(A,P,PA) Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.8 V ~ 5.5 V
Supplier Device Package	44-VQFN (7x7)	Speed	20MHz
Series	AVR® ATmega	RAM Size	4K x 8
Program Memory Type	FLASH	Program Memory Size	64KB (32K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	44-VFQFN Exposed Pad	Other Names	ATMEGA644PAMU
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	32	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	6 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	2K x 8	Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 64KB (32K x 16) FLASH 44-VQFN (7x7)
Data Converters	A/D 8x10b	Core Size	8-Bit
Core Processor	AVR	Connectivity	PC, SPI, UART/USART
Base Part Number	ATMEGA644		
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RELATED PRODUCTS			
	Part#: ATMEGA644PR231-MU Description: IC RF TXRX+MCU 802.15.4/ISM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-AN Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-MUR Description: IC MCU 8BIT 64KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PV-10AUR Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PR212-MU Description: IC RF TXRX+MCU 802.15.4/ISM	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PV-10AQ Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA644PA-ANR Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-PU Description: IC MCU 8BIT 64KB FLASH 40DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PR231-AU Description: IC RF TXRX+MCU 802.15.4 44-TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PV-10AQR Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644P-A15AZ Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-AU Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-MNR Description: IC MCU 8BIT 64KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PA-MN Description: IC MCU 8BIT 64KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644P-20PU Description: IC MCU 8BIT 64KB FLASH 40DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644P-A15MZ Description: IC MCU 8BIT 64KB FLASH 44VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644P-20PQ Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PR212-AU Description: IC RF TXRX+MCU 802.15.4 44-TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA644PV-10AU Description: IC MCU 8BIT 64KB FLASH 44TQFP	Manufacturers: Micrel / Microchip Technology	RFQ

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