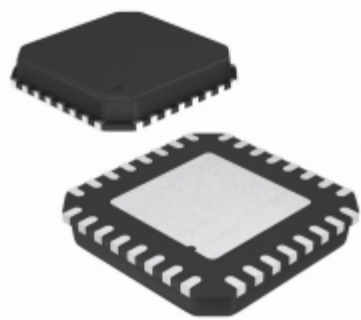


ATMEGA88P-20MU





Part Number:

ATMEGA88P-20MU

Manufacturer

Micrel / Microchip Technology

Description

IC MCU 8BIT 8KB FLASH 32VQFN

Data sheet:

 [ATMEGA48/88/168\(P,PV\) Summary](#)

 [ATMEGA48/88/168\(P,PV\) Complete](#)

RoHs Status:

Lead free / RoHS Compliant

Ship From:

Hong Kong

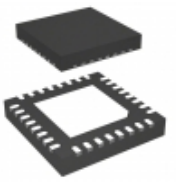
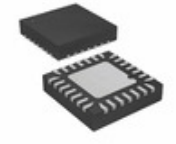
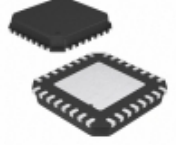
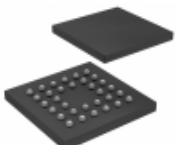
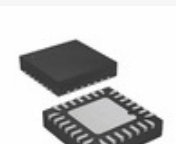
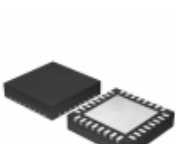
Shipment Way:

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	ATMEGA88P-20MU	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 8KB FLASH 32VQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	45028 pcs	Data sheet	ATMEGA48/88/168(P,PV) Summary ATMEGA48/88/168(P,PV) Complete
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	32-VQFN (5x5)	Speed	20MHz
Series	AVR® ATmega	RAM Size	1K x 8
Program Memory Type	FLASH	Program Memory Size	8KB (4K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	32-VFQFN Exposed Pad	Oscillator Type	Internal
Operating Temperature	-40°C ~ 85°C (TA)	Number of I/O	23
Moisture Sensitivity Level (MSL)	3 (168 Hours)	Manufacturer Standard Lead Time	6 Weeks
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	512 x 8
Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 8KB (4K x 16) FLASH 32-VQFN (5x5)	Data Converters	A/D 8x10b
Core Size	8-Bit	Core Processor	AVR
Connectivity	I²C, SPI, UART/USART	Base Part Number	ATMEGA88
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	Part#: ATMEGA88PA-CCU Description: IC MCU 8BIT 8KB FLASH 32UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88A-PU Description: IC MCU 8BIT 8KB FLASH 28DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88P-20PU Description: IC MCU 8BIT 8KB FLASH 28DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88A-MMH Description: IC MCU 8BIT 8KB FLASH 28VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88A-MUR Description: IC MCU 8BIT 8KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA88PA-AUR Description: IC MCU 8BIT 8KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA88A-MMHR Description: IC MCU 8BIT 8KB FLASH 28VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88PA-15MZ Description: IC MCU 8BIT 8KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88A-CCU Description: IC MCU 8BIT 8KB FLASH 32UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88PA-CCUR Description: IC MCU 8BIT 8KB FLASH 32UFBGA	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88A-MU Description: IC MCU 8BIT 8KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA88PA-AN Description: IC MCU 8BIT 8KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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Related keywords for ATMEGA88P-20MU

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