

ATMEGA48-20AI



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Part Number: [ATMEGA48-20AI](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB FLASH 32TQFP

Data sheet:  [ATMEGA48/88/168\(V\) Complete](#)
 [ATMEGA48,88,168\(V\) Datasheet](#)

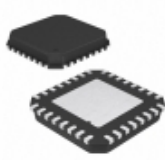
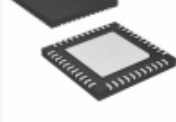
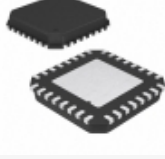
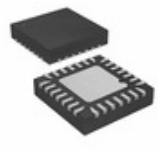
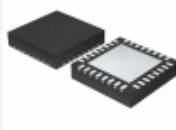
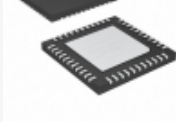
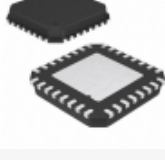
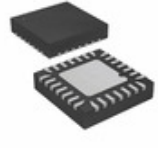
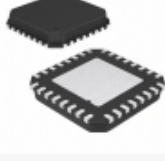
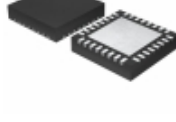
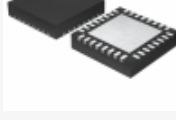
RoHs Status: Contains lead / RoHS non-compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	ATMEGA48-20AI	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 4KB FLASH 32TQFP	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	4347 pcs	Data sheet	ATMEGA48/88/168(V) Complete ATMEGA48,88,168(V) Datasheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	32-TQFP (7x7)	Speed	20MHz
Series	AVR® ATmega	RAM Size	512 x 8
Program Memory Type	FLASH	Program Memory Size	4KB (2K x 16)
Peripherals	Brown-out Detect/Reset, POR, PWM, WDT	Packaging	Tray
Package / Case	32-TQFP	Other Names	ATMEGA48-24AI ATMEGA48-24AI-ND
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	23	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	EEPROM Size	256 x 8
Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 4KB (2K x 16) FLASH 32-TQFP (7x7)	Data Converters	A/D 8x10b
Core Size	8-Bit	Core Processor	AVR
Connectivity	I²C, SPI, UART/USART	Base Part Number	ATMEGA48
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	Part#: ATMEGA48-15AZ Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-15AT Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20AUR Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA32U4RC-MUR Description: IC MCU 8BIT 32KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20AU Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20MI Description: IC MCU 8BIT 4KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20MMH Description: IC MCU 8BIT 4KB FLASH 28VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA406-1AAU Description: IC MCU 8BIT 40KB FLASH 48LQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA48-15AZV Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA32U4RC-MU Description: IC MCU 8BIT 32KB FLASH 44QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20AJ Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA48-20MMU Description: IC MCU 8BIT 4KB FLASH 28VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20MU Description: IC MCU 8BIT 4KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA48-15MZ Description: IC MCU 8BIT 4KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ

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