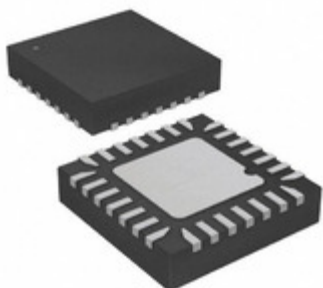


ATMEGA48-20MMH



Images are for reference only.
See Product Specifications for product details.
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Part Number: [ATMEGA48-20MMH](#)

Manufacturer: [Micrel / Microchip Technology](#)

Description: IC MCU 8BIT 4KB FLASH 28VQFN

Data sheet:  [ATmega48_88_168\(V\) Summary](#)
 [ATmega48_88_168\(V\) Complete](#)

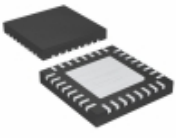
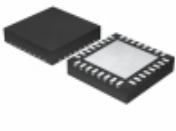
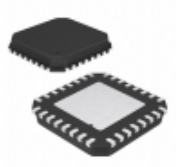
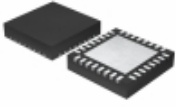
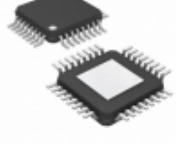
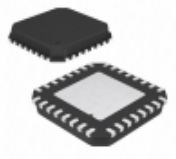
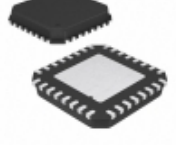
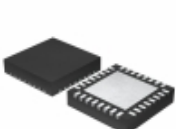
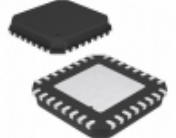
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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

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PRODUCT PARAMETER			
Part Number	ATMEGA48-20MMH	Manufacturer	Micrel / Microchip Technology
Description	IC MCU 8BIT 4KB FLASH 28VQFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	76912 pcs	Data sheet	ATmega48_88_168(V) Summary ATmega48_88_168(V) Complete
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	28-VQFN (4x4)	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	28-VQFN Exposed Pad	Other Names	1611-ATMEGA48-20MMH
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	23	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Manufacturer Standard Lead Time	15 Weeks	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
EEPROM Size	256 x 8	Detailed Description	AVR AVR® ATmega Microcontroller IC 8-Bit 20MHz 4KB (2K x 16) FLASH 28-VQFN (4x4)
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#: ATMEGA4809-MFR Description: 20MHZ, 48KB, UQFN48, IND 125C, G	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20MI Description: IC MCU 8BIT 4KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-15MT1 Description: IC MCU 8BIT 4KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20AI Description: IC MCU 8BIT 4KB FLASH 32TQFP	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#: ATMEGA48-20PU Description: IC MCU 8BIT 4KB FLASH 28DIP	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA48-20MU Description: IC MCU 8BIT 4KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA4809-AFR Description: 20MHZ 48KB TQFP48 IND 125C GREEN	Manufacturers: Micrel / Microchip Technology	RFQ
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	Part#: ATMEGA48-20AUR Description: IC MCU 8BIT 4KB FLASH 32TQFP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20PJ Description: IC MCU 8BIT 4KB FLASH 28DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-15MT Description: IC MCU 8BIT 4KB FLASH 32QFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATMEGA48-20MJ Description: IC MCU 8BIT 4KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ

Related keywords for ATMEGA48-20MMH			
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