

MC9S08AC8MFDE



Part Number: [MC9S08AC8MFDE](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 8BIT 8KB FLASH 48QFN

Data sheet:  [MC9S08AC\(8,16\), MC9S08AW\(8,16\)](#)
 [1N49A Mask Set Errata](#)
 [1N50A Mask Set Errata](#)

RoHS Status: Lead free / RoHS Compliant

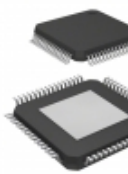
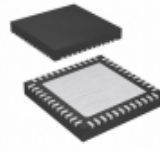
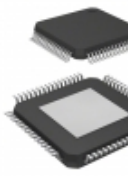
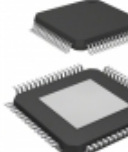
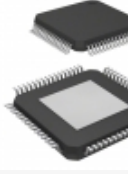
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PRODUCT PARAMETER			
Part Number	MC9S08AC8MFDE	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 8BIT 8KB FLASH 48QFN	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	29270 pcs	Data sheet	MC9S08AC(8,16), MC9S08AW(8,16) 1N49A Mask Set Errata 1N50A Mask Set Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	2.7 V ~ 5.5 V
Supplier Device Package	48-QFN-EP (7x7)	Speed	40MHz
Series	S08	RAM Size	768 x 8
Program Memory Type	FLASH	Program Memory Size	8KB (8K x 8)
Peripherals	LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	48-VFQFN Exposed Pad	Other Names	935322844557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 125°C (TA)
Number of I/O	38	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	S08 S08 Microcontroller IC 8-Bit 40MHz 8KB (8K x 8) FLASH 48-QFN-EP (7x7)	Data Converters	A/D 8x10b
Core Size	8-Bit	Core Processor	S08
Connectivity	I ² C, SCI, SPI	Base Part Number	MC9S08AC8
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	Part#: MC9S08AC8MFGE Description: IC MCU 8BIT 8KB FLASH 44LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC96CFUER Description: 96K FLASH 8K RAM	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC8CFDE Description: IC MCU 8BIT 8KB FLASH 48QFN	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MC9S08AC8MBE Description: IC MCU 8BIT 8KB FLASH 42PSDIP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC8CFGER Description: S08AC 8-BIT MCU S08 CORE 8KB F	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC60MFJE Description: IC MCU 8BIT 60KB FLASH 32LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC96CFUE Description: IC MCU 8BIT 96KB FLASH 64QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC60MPUE Description: IC MCU 8BIT 60KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC60MFGER Description: S08AC 8-BIT MCU S08 CORE 60KB	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC8MFJER Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC96MFGE Description: IC MCU 8BIT 96KB FLASH 44LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC96MFUE Description: IC MCU 8BIT 96KB FLASH 64QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC8CFGE Description: IC MCU 8BIT 8KB FLASH 44LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC8MFJE Description: IC MCU 8BIT 8KB FLASH 32LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC60MFUE Description: IC MCU 8BIT 60KB FLASH 64QFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MC9S08AC96CFGE Description: IC MCU 8BIT 96KB FLASH 44LQFP	Manufacturers: NXP USA Inc.	RFQ
	Part#: MC9S08AC96CFGER Description: S08AC 8-BIT MCU S08 CORE 96KB	Manufacturers: NXP Semiconductors / Freescale	RFQ

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