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See specifications for product details.



MC9S08GT16ACFDE

Manufacturer Part Number	MC9S08GT16ACFDE
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)
Allelco Part Number	32D-MC9S08GT16ACFDE
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 8BIT 16KB FLASH 48QFN
Package	48-VFQFN Exposed Pad
Data sheet	MC9S08GT16ACFDE.pdf

Get a Quote

MC9S08GT16ACFDE - Freescale Semiconductor. New Original in Stock. Download Linear Technology MC9S08GT16ACFDE datasheet/specifications on AllelcoElec.com. Request a quote for MC9S08GT16ACFDE, please send us email: info@allelco.com

Specifications

MC9S08GT16ACFDE Tech Specifications
MC9S08GT16ACFDE - Freescale Semiconductor technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Freescale Semiconductor, Inc. (NXP Semiconductors)	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-QFN-EP (7x7)	Number of I/O	39
Speed	40MHz	Mounting Type	Surface Mount
Series	S08	EEPROM Size	-
RAM Size	2K x 8	Data Converters	A/D 8x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	16KB (16K x 8)	Core Processor	S08
Peripherals	LVD, POR, PWM, WDT	Connectivity	I ² C, SCI, SPI
Package / Case	48-VFQFN Exposed Pad	Base Product Number	MC9S08
Package	Bulk		

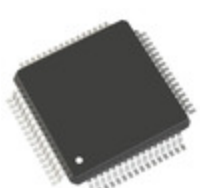
Parts with Similar Specifications

The three parts on the right have similar specifications to Freescale Semiconductor MC9S08GT16ACFDE

Product Attribute				
Part Number	MC9S08GT16ACFDE	MC9S08GB60CFUE	MC9S08GT16ACFBE	MC9S08GT32ACFDE
Manufacturer	Freescale Semiconductor	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Data Converters	A/D 8x10b	A/D 8x10b	A/D 8x10b	A/D 8x10b
Number of I/O	39	56	36	39
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Size	16KB (16K x 8)	60KB (60K x 8)	16KB (16K x 8)	32KB (32K x 8)
Base Product Number	MC9S08	MC9S08	MC9S08	MC9S08
Package / Case	48-VFQFN Exposed Pad	64-LQFP	44-QFP	48-VFQFN Exposed Pad
Series	S08	S08	S08	S08
Supplier Device Package	48-QFN-EP (7x7)	64-LQFP (10x10)	44-QFP (10x10)	48-QFN-EP (7x7)
RAM Size	2K x 8	4K x 8	2K x 8	2K x 8
Speed	40MHz	40MHz	40MHz	40MHz
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply (Vcc/Vdd)	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V	1.8V ~ 3.6V
Core Processor	S08	S08	S08	S08
Core Size	8-Bit	8-Bit	8-Bit	8-Bit
Peripherals	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT	LVD, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I ² C, SCI, SPI	I ² C, SCI, SPI	I ² C, SCI, SPI	I ² C, SCI, SPI
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package	Bulk	Tray	Tray	Bulk
EEPROM Size	-	-	-	-

Customers Also Interested in

Recommended Products



MC9S08GB60CFUE

NXP USA Inc.
IC MCU 8BIT 60KB FLASH 64LQFP



MC9S08GT16ACFBE

NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44QFP



MC9S08GT32ACFDE

Freescale Semiconductor
IC MCU 8BIT 32KB FLASH 48QFN



MC9S08GT32CFB

NXP USA Inc.
IC MCU 8BIT 32KB FLASH 44QFP



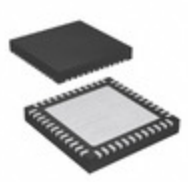
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NXP USA Inc.
IC MCU 8BIT 16KB FLASH 44QFP

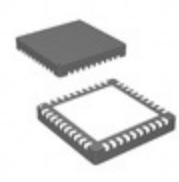


MC9S08GT16ACFCE

Freescale Semiconductor
IC MCU 8BIT 16KB FLASH 32QFN



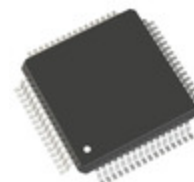
MC9S08GT32ACFDE
NXP USA Inc.
IC MCU 8BIT 32KB FLASH 48QFN



MC9S08GT16ACFCE
NXP USA Inc.
IC MCU 8BIT 16KB FLASH 32QFN



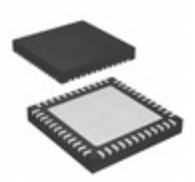
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FREESC



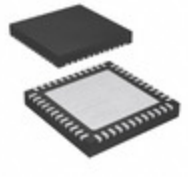
MC9S08GB60CFU
NXP USA Inc.
IC MCU 8BIT 60KB FLASH 64LQFP



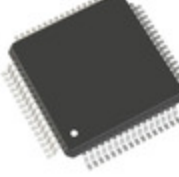
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NXP USA Inc.
IC MCU 8BIT 16KB FLASH 48QFN



MC9S08GT16CFDE
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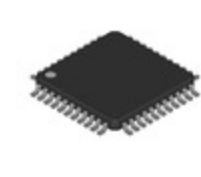
MC9S08GB60ACFUE
NXP USA Inc.
IC MCU 8BIT 60KB FLASH 64LQFP



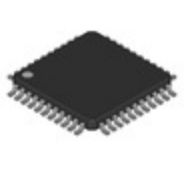
MC9S08GT16CFD
Freescale Semiconductor
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MC9S08GT32ACFBE
NXP USA Inc.
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MC9S08GT16CFBE
Freescale Semiconductor
IC MCU 8BIT 16KB FLASH 44QFP



MC9S08GT32ACFBE
Freescale Semiconductor
IC MCU 8BIT 32KB FLASH 44QFP

Shipment

Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Allelco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

Delivery Cost

- > Use your express account for shipment if you have one.
 - > Use our account for the shipment. Refer to the table below for the approximate charges.
- (Different time frame / countries / package size has different price.)

Delivery Method

- > Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.
- > Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference

Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference

Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -

- Efficient Supply Management
- Cost-Saving Procurement
- Fast Sourcing & Delivery

Contact us if you have any questions.

- Phone
+00852 9146 4856
- Email
info@allelco.com

Certifications & Memberships



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Contact us

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