

Image may be representation.
See specifications for product details.



MC908SR12CFAE

Manufacturer Part Number	MC908SR12CFAE
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC908SR12CFAE
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 8BIT 12KB FLASH 48LQFP
Package	48-LQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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MC908SR12CFAE - NXP USA Inc..New Original in Stock. Download Linear Technology MC908SR12CFAE datasheet/specifications on AllelcoElec.com.
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Specifications

MC908SR12CFAE Tech Specifications

MC908SR12CFAE - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	Internal
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 85°C (TA)
Supplier Device Package	48-LQFP (7x7)	Number of I/O	31
Speed	8MHz	Mounting Type	Surface Mount
Series	HC08	EEPROM Size	-
RAM Size	512 x 8	Data Converters	A/D 14x10b
Program Memory Type	FLASH	Core Size	8-Bit
Program Memory Size	12KB (12K x 8)	Core Processor	HC08
Peripherals	LVD, POR, PWM, Temp Sensor	Connectivity	I ² C, SCI
Package / Case	48-LQFP	Base Product Number	MC908
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC908SR12CFAE

Product Attribute				
Part Number	MC908SR12CFAE	MC908SR12CBE	MC912D60ACFUE8	MC908QY8CDWE
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor	NXP USA Inc.
Base Product Number	MC908	MC908	MC912	MC908
Mounting Type	Surface Mount	Through Hole	Surface Mount	Surface Mount
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Speed	8MHz	8MHz	8MHz	8MHz
Program Memory Size	12KB (12K x 8)	12KB (12K x 8)	60KB (60K x 8)	8KB (8K x 8)
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Data Converters	A/D 14x10b	A/D 11x10b	A/D 8x8/10b	A/D 4x10b
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	4.5V ~ 5.5V	2.7V ~ 5.5V
Core Processor	HC08	HC08	CPU12	HC08
Series	HC08	HC08	HC12	HC08
Peripherals	LVD, POR, PWM, Temp Sensor	LVD, POR, PWM, Temp Sensor	POR, PWM, WDT	LVD, POR, PWM
Package / Case	48-LQFP	42-SDIP (0.600", 15.24mm)	80-QFP	16-SOIC (0.295", 7.50mm Width)
Connectivity	I ² C, SCI	I ² C, SCI	CANbus, MI Bus, SCI, SPI	-
Supplier Device Package	48-LQFP (7x7)	42-PDIP	80-QFP (14x14)	16-SOIC
Package	Tray	Tube	Bulk	Tube
EEPROM Size	-	-	1K x 8	-
Oscillator Type	Internal	Internal	Internal	External
Core Size	8-Bit	8-Bit	16-Bit	8-Bit
Number of I/O	31	29	48	13
RAM Size	512 x 8	512 x 8	2K x 8	256 x 8

MC908SR12CFAE Datasheet PDF

Download MC908SR12CFAE pdf datasheets and NXP USA Inc. documentation for MC908SR12CFAE - NXP USA Inc..

Datasheets


[Cylindrical Battery Holders.pdf](#)

PCN Packaging

[2.73KHz.pdf](#)











Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

Customers Also Interested in

Recommended Products

					
MC908SR12CBE NXP USA Inc. IC MCU 8BIT 12KB FLASH 42DIP	MC908RF2 MOTOROLA	MC912D60ACFUE8 Freescale Semiconductor IC MCU 16BIT 60KB FLASH 80QFP	MC912D60ACPV Freescale / NXP Semiconductors	MC908QY8CDWE NXP USA Inc. IC MCU 8BIT 8KB FLASH 16SOIC	MC912D60ACFU8 NXP USA Inc. IC MCU 16BIT 60KB FLASH 80QFP
					
MC908SE8VWL Freescale / NXP Semiconductors	MC908QYMZY2CDTE Freescale / NXP Semiconductors	MC908SR12CBE Freescale Semiconductor IC MCU 8BIT 12KB FLASH 42DIP	MC912D60ACFU8 NXP USA Inc. IC MCU 16BIT 60KB FLASH 80QFP	MC90C385B N/A	MC908QY4MDTE Freescale / NXP Semiconductors
					
MC908QY4MP MOT	MC90S08PA16VTG Freescale / NXP Semiconductors	MC911-T11 MITSUBISHI	MC908QY4CPE Freescale / NXP Semiconductors	MC912B32CFU8 MOTOROLA	MC908QY8CPE NXP USA Inc. IC MCU 8BIT 8KB FLASH 16DIP

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.



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 Efficient Supply Management

 Cost-Saving Procurement

 Fast Sourcing & Delivery

Contact us if you have any questions.

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Certifications & Memberships



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