



Image may be representation.
See specifications for product details.



MC56F8014MFAE

Manufacturer Part Number	MC56F8014MFAE
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MC56F8014MFAE
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC MCU 16BIT 16KB FLASH 32LQFP
Package	32-LQFP
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MC56F8014MFAE - NXP USA Inc..New Original in Stock. Download Linear Technology MC56F8014MFAE datasheet/specifications on AllelcoElec.com.
Request a quote for MC56F8014MFAE, please send us email: info@allelco.com

Specifications

MC56F8014MFAE Tech Specifications

MC56F8014MFAE - 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)	3V ~ 3.6V	Operating Temperature	-40°C ~ 125°C (TA)
Supplier Device Package	32-LQFP (7x7)	Number of I/O	26
Speed	32MHz	Mounting Type	Surface Mount
Series	56F8xxx	EEPROM Size	-
RAM Size	2K x 16	Data Converters	A/D 8x12b
Program Memory Type	FLASH	Core Size	16-Bit
Program Memory Size	16KB (8K x 16)	Core Processor	56800E
Peripherals	POR, PWM, WDT	Connectivity	I ² C, SCI, SPI
Package / Case	32-LQFP	Base Product Number	MC56F80
Package	Tray		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MC56F8014MFAE

Product Attribute				
Part Number	MC56F8014MFAE	MC56F8023VLC	MC56F8006VWL	MC56F8025VLD
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	Freescale Semiconductor
Operating Temperature	-40°C ~ 125°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
EEPROM Size	-	-	-	-
Base Product Number	MC56F80	MC56F80	MC56F80	MC56F80
Supplier Device Package	32-LQFP (7x7)	32-LQFP (7x7)	28-SOIC	44-LQFP (10x10)
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	1.8V ~ 3.6V	3V ~ 3.6V
Core Processor	56800E	56800E	56800E	56800E
Connectivity	I ² C, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI	I ² C, LINbus, SCI, SPI
Oscillator Type	Internal	Internal	Internal	Internal
Data Converters	A/D 8x12b	A/D 6x12b; D/A 2x12b	A/D 15x12b	A/D 8x12b; D/A 2x12b
Program Memory Size	16KB (8K x 16)	32KB (16K x 16)	16KB (8K x 16)	32KB (16K x 16)
Package	Tray	Tray	Tube	Bulk
Peripherals	POR, PWM, WDT	POR, PWM, WDT	LVD, POR, PWM, WDT	POR, PWM, WDT
RAM Size	2K x 16	2K x 16	1K x 16	2K x 16
Series	56F8xxx	56F8xxx	56F8xxx	56F8xxx
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Package / Case	32-LQFP	32-LQFP	28-SOIC (0.295', 7.50mm Width)	44-LQFP
Speed	32MHz	32MHz	32MHz	32MHz
Core Size	16-Bit	16-Bit	16-Bit	16-Bit
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Number of I/O	26	26	23	35

MC56F8014MFAE Datasheet PDF

Download MC56F8014MFAE pdf datasheets and NXP USA Inc. documentation for MC56F8014MFAE - NXP USA Inc..

Datasheets

[Cylindrical Battery Holders.pdf](#)


PCN Packaging

[All Dev Label Update 15/Dec/2020.pdf](#)

[Mult Dev Pkg Seal 15/Dec/2020.pdf](#)

Environmental Information

 NXP USA Inc REACH.pdf

 NXP USA Inc RoHS Cert.pdf

PCN Assembly/Origin

 2.73KHz.pdf

Customers Also Interested in

Recommended Products



MC56F8023V4M67E

Freescale / NXP Semiconductors



MC56F8023VLC

NXP USA Inc.
IC MCU 16BIT 32KB FLASH 32LQFP



MC56F8006VWL

NXP USA Inc.
IC MCU 16BIT 16KB FLASH 28SOIC



MC56F8025M

Freescale / NXP Semiconductors



MC56F8025V

Freescale / NXP Semiconductors



MC56F8025VLD

Freescale Semiconductor
IC MCU 16BIT 32KB FLASH 44LQFP



MC56F8011VFAE

NXP USA Inc.
IC MCU 16BIT 12KB FLASH 32LQFP



MC56F8013MFAE

NXP USA Inc.
IC MCU 16BIT 16KB FLASH 32LQFP



MC56F8014VFAE

NXP USA Inc.
IC MCU 16BIT 16KB FLASH 32LQFP



MC56F8014VFAE

Freescale Semiconductor
IC MCU 16BIT 16KB FLASH 32LQFP



MC56F8013VFAE

NXP USA Inc.
IC MCU 16BIT 16KB FLASH 32LQFP



MC56F8025V1M67E

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MC56F8013

Freescale / NXP Semiconductors



MC56F8013VFAEN

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MC56F8013MFAE

Freescale Semiconductor
MC56F8013 - 16-bit DSC, 56800E c



MC56F8013VFAE

Freescale Semiconductor
IC MCU 16BIT 16KB FLASH 32LQFP



MC56F8023V

Freescale / NXP Semiconductors



MC56F8006VWLR

NXP USA Inc.
IC MCU 16BIT 16KB FLASH 28SOIC

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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