



Image may be representation.  
See specifications for product details.



## MCF52232CAF50

Manufacturer Part Number	<b>MCF52232CAF50</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MCF52232CAF50
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 128KB FLASH 80LQFP
Package	80-LQFP
Data sheet	<b>Cylindrical Battery Holders.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MCF52232CAF50 - NXP USA Inc..New Original in Stock. Download Linear Technology MCF52232CAF50 datasheet/specifications on AllelcoElec.com.  
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### Specifications

MCF52232CAF50 Tech Specifications  
MCF52232CAF50 - 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 ~ 85°C (TA)
Supplier Device Package	80-LQFP (14x14)	Number of I/O	56
Speed	50MHz	Mounting Type	Surface Mount
Series	MCF5223x	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 8x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	128KB (128K x 8)	Core Processor	Coldfire V2
Peripherals	DMA, LVD, POR, PWM, WDT	Connectivity	Ethernet, I <sup>2</sup> C, SPI, UART/USART
Package / Case	80-LQFP	Base Product Number	MCF52232
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCF52232CAF50

Product Attribute				
Part Number	MCF52232CAF50	<b>MCF52234CVM60</b>	<b>MCF52230CAL60</b>	<b>MCF52234CAL60</b>
Manufacturer	NXP USA Inc.	NXP USA Inc.	Freescall Semiconductor	NXP USA Inc.
Core Processor	Coldfire V2	Coldfire V2	Coldfire V2	Coldfire V2
Package	Tray	Tray	Bulk	Tray
Peripherals	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT	DMA, LVD, POR, PWM, WDT
Supplier Device Package	80-LQFP (14x14)	121-MAPBGA (12x12)	112-LQFP (20x20)	112-LQFP (20x20)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Speed	50MHz	60MHz	60MHz	60MHz
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	56	80	73	73
RAM Size	32K x 8	32K x 8	32K x 8	32K 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 8x12b	A/D 8x12b	A/D 8x12b	A/D 8x12b
Package / Case	80-LQFP	121-LBGA	112-LQFP	112-LQFP
Base Product Number	MCF52232	MCF52234	MCF52230	MCF52234
Connectivity	Ethernet, I <sup>2</sup> C, SPI, UART/USART	CANbus, Ethernet, I <sup>2</sup> C, SPI, UART/USART	Ethernet, I <sup>2</sup> C, SPI, UART/USART	CANbus, Ethernet, I <sup>2</sup> C, SPI, UART/USART
Oscillator Type	Internal	Internal	Internal	Internal
Series	MCF5223x	MCF5223x	MCF5223x	MCF5223x
EEPROM Size	-	-	-	-
Program Memory Size	128KB (128K x 8)	256KB (256K x 8)	128KB (128K x 8)	256KB (256K x 8)
Program Memory Type	FLASH	FLASH	FLASH	FLASH

### MCF52232CAF50 Datasheet PDF

Download MCF52232CAF50 pdf datasheets and NXP USA Inc. documentation for MCF52232CAF50 - 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

## PCN Design/Specification

 Cylindrical Battery Holders.pdf

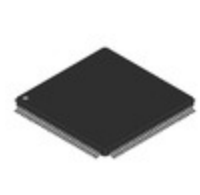
## Customers Also Interested in

### Recommended Products



#### MCF52234CVM60

NXP USA Inc.  
IC MCU 32B 256KB FLASH  
121MAPBGA



#### MCF52230CAL60

Freescale Semiconductor  
IC MCU 32BIT 128KB FLASH  
112LQFP



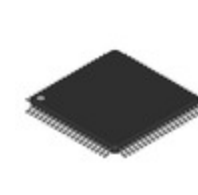
#### MCF52234CAL60

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH  
112LQFP



#### MCF52233CAF60

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH 80LQFP



#### MCF52232AF50

Freescale Semiconductor  
IC MCU 32BIT 128KB FLASH 80LQFP



#### MCF52233CVM60

NXP USA Inc.  
IC MCU 32B 256KB FLASH  
121MAPBGA



#### MCF52235CAL60

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH  
112LQFP



#### MCF52232AF50

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 80LQFP



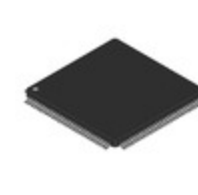
#### MCF52230CAL60

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH  
112LQFP



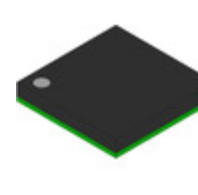
#### MCF52230CAF60

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 80LQFP



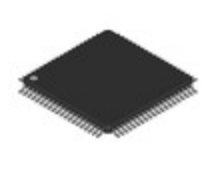
#### MCF52231CAL60

Freescale Semiconductor  
IC MCU 32BIT 128KB FLASH  
112LQFP



#### MCF52234CVM60

Freescale Semiconductor  
IC MCU 32B 256KB FLASH  
121MAPBGA



#### MCF52230CAF60

Freescale Semiconductor  
MCF5223X 32-BIT MCU, COLDFIRE  
V2



#### MCF52233CVM60

Freescale Semiconductor  
IC MCU 32B 256KB FLASH  
121MAPBGA



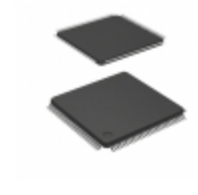
#### MCF52236AF50

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH 80LQFP



#### MCF52233CAL60

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH  
112LQFP



#### MCF52231CAL60

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH  
112LQFP



#### MCF52233CVM60

NXP USA Inc.  
IC MCU 32BIT 256KB FLSH  
81MAPBGA

## 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 Alleco 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

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Email

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## Certifications & Memberships



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