



Image may be representation.  
See specifications for product details.



## MCF5249LAG120

Manufacturer Part Number	<b>MCF5249LAG120</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MCF5249LAG120
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT ROMLESS 144LQFP
Package	144-LQFP
Data sheet	<a href="#">MCF5249 Hrdw Spec.pdf</a> <a href="#">MCF5249 Prod Brief.pdf</a> <a href="#">MCF5249 User Manual.pdf</a>
RoHs Status	ROHS3 Compliant

**Get a Quote**

MCF5249LAG120 - NXP USA Inc..New Original in Stock. Download Linear Technology MCF5249LAG120 datasheet/specifications on AllelcoElec.com.  
Request a quote for MCF5249LAG120, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MCF5249LAG120 Tech Specifications  
MCF5249LAG120 - NXP USA Inc. technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	NXP Semiconductors	Oscillator Type	External
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	Operating Temperature	0°C ~ 70°C (TA)
Supplier Device Package	144-LQFP (20x20)	Number of I/O	34
Speed	120MHz	Mounting Type	Surface Mount
Series	MCF524x	EEPROM Size	-
RAM Size	96K x 8	Data Converters	A/D 4x12b
Program Memory Type	ROMless	Core Size	32-Bit Single-Core
Program Memory Size	-	Core Processor	Coldfire V2
Peripherals	DMA, I <sup>2</sup> S, POR, Serial Audio, WDT	Connectivity	I <sup>2</sup> C, IDE, Memory Card, SPI, UART/USART
Package / Case	144-LQFP	Base Product Number	MCF5249
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MCF5249LAG120

Product Attribute				
Part Number	MCF5249LAG120	MCF5251VM140	MCF5249CVF140	MCF5249LCAG120
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Speed	120MHz	140MHz	140MHz	120MHz
Oscillator Type	External	External	External	External
Package / Case	144-LQFP	225-LFBGA	160-BGA	144-LQFP
Series	MCF524x	MCF525x	MCF524x	MCF524x
EEPROM Size	-	-	-	-
Operating Temperature	0°C ~ 70°C (TA)	-20°C ~ 70°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Supplier Device Package	144-LQFP (20x20)	225-MAPBGA (13x13)	160-MAPBGA (15x15)	144-LQFP (20x20)
Peripherals	DMA, I <sup>2</sup> S, POR, Serial Audio, WDT	DMA	DMA, I <sup>2</sup> S, POR, Serial Audio, WDT	DMA, I <sup>2</sup> S, POR, Serial Audio, WDT
Number of I/O	34	-	47	34
Voltage - Supply (Vcc/Vdd)	3V ~ 3.6V	1.08V ~ 3.6V	3V ~ 3.6V	3V ~ 3.6V
RAM Size	96K x 8	128K x 8	96K x 8	96K x 8
Package	Tray	Tray	Tray	Tray
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	MCF5249	MCF5251	MCF5249	MCF5249
Connectivity	I <sup>2</sup> C, IDE, Memory Card, SPI, UART/USART	ATA, Audio, CANbus, EBI/EMI, I <sup>2</sup> C, IDE, SD, SPI, UART/USART, USB OTG	I <sup>2</sup> C, IDE, Memory Card, SPI, UART/USART	I <sup>2</sup> C, IDE, Memory Card, SPI, UART/USART
Program Memory Size	-	-	-	-
Core Processor	Coldfire V2	Coldfire V2	Coldfire V2	Coldfire V2
Data Converters	A/D 4x12b	A/D 6x12b	A/D 4x12b	A/D 4x12b
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Program Memory Type	ROMless	ROMless	ROMless	ROMless

### MCF5249LAG120 Datasheet PDF

Download MCF5249LAG120 pdf datasheets and NXP USA Inc. documentation for MCF5249LAG120 - NXP USA Inc..


#### 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

## HTML Datasheet

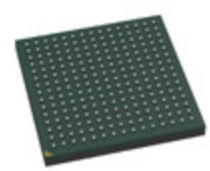
 MCF5249 Hrdw Spec.pdf

 MCF5249 Prod Brief.pdf

 MCF5249 User Manual.pdf

## Customers Also Interested in

### Recommended Products



#### MCF5251VM140

NXP USA Inc.  
IC MCU 32BIT ROMLESS 225MAPBGA



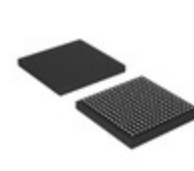
#### MCF5249CVF140

NXP USA Inc.  
IC MCU 32BIT ROMLESS 160MAPBGA



#### MCF5249LCAG120

NXP USA Inc.  
IC MCU 32BIT ROMLESS 144LQFP



#### MCF5234CVM100

NXP USA Inc.  
IC MCU 32BIT ROMLESS 256MAPBGA



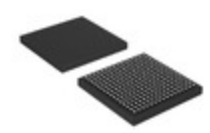
#### MCF5249VF140

NXP USA Inc.  
IC MCU 32BIT ROMLESS 160MAPBGA



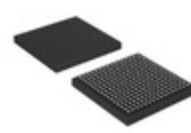
#### MCF5249CVF140

Freescale Semiconductor  
IC MCU 32BIT ROMLESS 160MAPBGA



#### MCF5235CVF150

Freescale Semiconductor  
IC MCU 32BIT ROMLESS 256MAPBGA



#### MCF5233CVM150

NXP USA Inc.  
IC MCU 32BIT ROMLESS 256MAPBGA



#### MCF5249LCAG120

Freescale Semiconductor  
IC MCU 32BIT ROMLESS 144LQFP



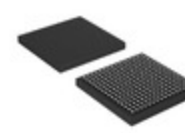
#### MCF5249LAG120

Motorola  
IC MCU 32BIT ROMLESS 144LQFP



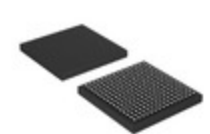
#### MCF5249CVM140

NXP USA Inc.  
IC MCU 32BIT ROMLESS 160MAPBGA



#### MCF5233CVM150

Freescale Semiconductor  
IC MCU 32BIT ROMLESS 256MAPBGA



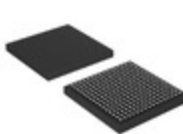
#### MCF5235CVF150

NXP USA Inc.  
IC MCU 32BIT ROMLESS 256MAPBGA



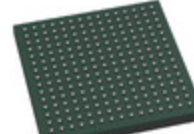
#### MCF5249LCAG120

Motorola  
IC MCU 32BIT ROMLESS 144LQFP



#### MCF5235CVM150

NXP USA Inc.  
IC MCU 32BIT ROMLESS 256MAPBGA



#### MCF5251CVM140

NXP USA Inc.  
IC MCU 32BIT ROMLESS 225MAPBGA



#### MCF5251VM140

Freescale Semiconductor  
IC MCU 32BIT ROMLESS 225MAPBGA



#### MCF5249LPV120

NXP USA Inc.  
IC MCU 32BIT ROMLESS 144LQFP

## 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

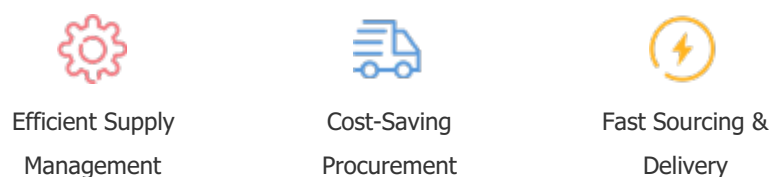
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### 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 -



Contact us if you have any questions.



### Certifications & Memberships



[View More](#)