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See specifications for product details.



## MKL27Z256VMP4

Manufacturer Part Number	<b>MKL27Z256VMP4</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MKL27Z256VMP4
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 256KB FLSH 64MAPBGA
Package	64-LFBGA
Data sheet	<b>MKL27Z(128,256)Vxx4 Datasheet.pdf</b>
	<b>KLx7 Prod Brief.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MKL27Z256VMP4 - NXP USA Inc..New Original in Stock. Download Linear Technology MKL27Z256VMP4 datasheet/specifications on AllelcoElec.com.  
Request a quote for MKL27Z256VMP4, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MKL27Z256VMP4 Tech Specifications

MKL27Z256VMP4 - 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)	1.71V ~ 3.6V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	64-MAPBGA (5x5)	Number of I/O	50
Speed	48MHz	Mounting Type	Surface Mount
Series	Kinetis KL2	EEPROM Size	-
RAM Size	32K x 8	Data Converters	A/D 16x16b; D/A 1x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	256KB (256K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART, USB
Package / Case	64-LFBGA	Base Product Number	MKL27Z256
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MKL27Z256VMP4

Product Attribute				
Part Number	MKL27Z256VMP4	MKL27Z256VFT4	MKL28Z512VLL7	MKL26Z32VLH4
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
EEPROM Size	-	-	-	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
RAM Size	32K x 8	32K x 8	128K x 8	4K x 8
Series	Kinetis KL2	Kinetis KL2	Kinetis KL2	Kinetis KL2
Supplier Device Package	64-MAPBGA (5x5)	48-QFN (7x7)	100-LQFP (14x14)	64-LQFP (10x10)
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	MKL27Z256	MKL27Z256	MKL28Z512	MKL26Z32
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Number of I/O	50	36	82	50
Package / Case	64-LFBGA	48-UFQFN Exposed Pad	100-LQFP	64-LQFP
Program Memory Size	256KB (256K x 8)	256KB (256K x 8)	512KB (512K x 8)	32KB (32K x 8)
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Data Converters	A/D 16x16b; D/A 1x12b	A/D 16x16b; D/A 1x12b	A/D 24x16b; D/A 1x12b	A/D - 16bit; D/A - 12bit
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, PWM, WDT	Brown-out Detect/Reset, DMA, I²S, LVD, POR, PWM, WDT
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Connectivity	I²C, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB	I²C, FlexIO, SPI, UART/USART, USB	I²C, LINbus, SPI, UART/USART, USB, USB OTG
Package	Tray	Tray	Tray	Tray
Speed	48MHz	48MHz	72MHz	48MHz

### MKL27Z256VMP4 Datasheet PDF

Download MKL27Z256VMP4 pdf datasheets and NXP USA Inc. documentation for MKL27Z256VMP4 - NXP USA Inc..

#### Datasheets

[MKL27Z\(128,256\)Vxx4 Datasheet.pdf](#)


[KLx7 Prod Brief.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

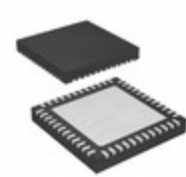
 Mult Dev Site Chgs 18/Dec/2020.pdf

## PCN Design/Specification

 MKL13/MKL33,MKL43/MKL33/MKL27/MKL17 02/Oct/2016.pdf

## Customers Also Interested in

### Recommended Products



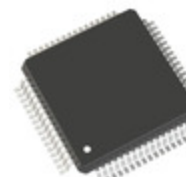
#### MKL27Z256VFT4

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH 48QFN



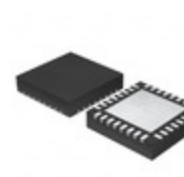
#### MKL28Z512VLL7

NXP USA Inc.  
IC MCU 32BIT 512KB FLASH 100LQFP



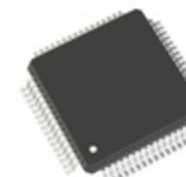
#### MKL26Z32VLH4

NXP USA Inc.  
IC MCU 32BIT 32KB FLASH 64LQFP



#### MKL27Z256VFM4

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH 32QFN



#### MKL27Z64VLH4

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 64LQFP



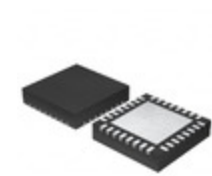
#### MKL27Z64VDA4

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 36XFBGA



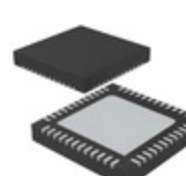
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NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 64LQFP



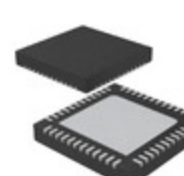
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NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 32QFN



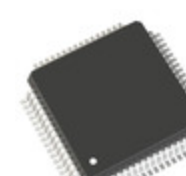
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NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 48QFN



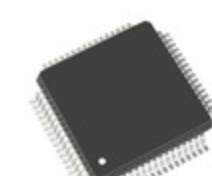
#### MKL27Z128VFT4

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 48QFN



#### MKL33Z256VLH4

NXP USA Inc.  
IC MCU 32BIT 256KB FLASH 64LQFP



#### MKL27Z128VLH4

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 64LQFP



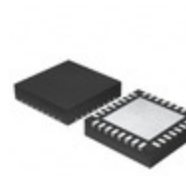
#### MKL33Z128VLH4

NXP USA Inc.  
IC MCU 32BIT 128KB FLASH 64LQFP



#### MKL26Z64VFM4

Freescale Semiconductor  
IC MCU 32BIT 64KB FLASH 32QFN



#### MKL27Z64VFM4

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 32QFN



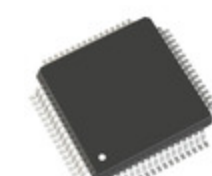
#### MKL27Z64VFM4R

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 32QFN



#### MKL27Z64VDA4R

NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 36XFBGA



#### MKL27Z32VLH4

NXP USA Inc.  
IC MCU 32BIT 32KB FLASH 64LQFP

## 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  
+00852 9146 4856  
 Email  
info@alleco.com

## Certifications & Memberships



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