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See specifications for product details.



## MKL27Z128VLH4

Manufacturer Part Number	<b>MKL27Z128VLH4</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MKL27Z128VLH4
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 128KB FLASH 64LQFP
Package	64-LQFP
Data sheet	<b>KL2x MCU Family Fact Sheet.pdf</b> <b>MKL27Z(128,256)Vxx4 Datasheet.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MKL27Z128VLH4 - NXP USA Inc..New Original in Stock. Download Linear Technology MKL27Z128VLH4 datasheet/specifications on AllelcoElec.com.  
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### Specifications

MKL27Z128VLH4 Tech Specifications

MKL27Z128VLH4 - 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-LQFP (10x10)	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	128KB (128K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	Connectivity	I²C, SPI, UART/USART, USB
Package / Case	64-LQFP	Base Product Number	MKL27Z128
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MKL27Z128VLH4

Product Attribute				
Part Number	MKL27Z128VLH4	MKL27Z64VDA4	MKL27Z64VFM4R	MKL27Z256VFM4
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Program Memory Type	FLASH	FLASH	FLASH	FLASH
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Peripherals	DMA, I²S, LVD, POR, PWM, WDT	DMA, I²S, PWM, WDT	DMA, I²S, PWM, WDT	DMA, I²S, LVD, POR, PWM, WDT
Supplier Device Package	64-LQFP (10x10)	36-XFBGA (3.5x3.5)	32-QFN (5x5)	32-QFN (5x5)
RAM Size	32K x 8	16K x 8	16K x 8	32K x 8
Package	Tray	Tray	Tape & Reel (TR)	Tray
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Oscillator Type	Internal	Internal	Internal	Internal
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	Kinetis KL2	Kinetis KL2	Kinetis KL2	Kinetis KL2
Number of I/O	50	30	24	23
Speed	48MHz	48MHz	48MHz	48MHz
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Package / Case	64-LQFP	36-XFBGA	32-UFQFN Exposed Pad	32-UFQFN Exposed Pad
EEPROM Size	-	-	-	-
Connectivity	I²C, SPI, UART/USART, USB	I²C, FlexIO, SPI, UART/USART, USB	I²C, FlexIO, SPI, UART/USART, USB	I²C, SPI, UART/USART, USB
Base Product Number	MKL27Z128	MKL27Z64	MKL27Z64	MKL27Z256
Data Converters	A/D 16x16b; D/A 1x12b	A/D 14x16b	A/D 8x16b	A/D 16x16b; D/A 1x12b
Program Memory Size	128KB (128K x 8)	64KB (64K x 8)	64KB (64K x 8)	256KB (256K x 8)

### MKL27Z128VLH4 Datasheet PDF

Download MKL27Z128VLH4 pdf datasheets and NXP USA Inc. documentation for MKL27Z128VLH4 - NXP USA Inc..

#### Datasheets

[KL2x MCU Family Fact Sheet.pdf](#)

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

#### Environmental Information

[NXP USA Inc REACH.pdf](#)

[NXP USA Inc RoHS Cert.pdf](#)

## PCN Packaging



Mult Dev Pkg Seal 15/Dec/2020.pdf



Mult Dev Pkg Chgs 8/Feb/2022.pdf

## PCN Assembly/Origin



Mult Dev Site Chgs 18/Dec/2020.pdf

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### Recommended Products



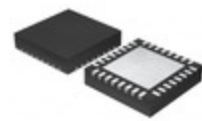
#### MKL27Z64VDA4

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



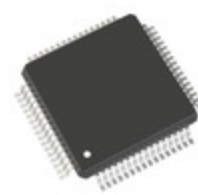
#### MKL27Z64VFM4R

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



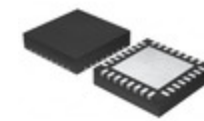
#### MKL27Z256VFM4

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



#### MKL26Z32VLH4

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



#### MKL26Z32VFM4

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



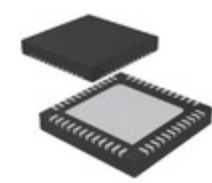
#### MKL26Z256VMP4

NXP USA Inc.  
IC MCU 32BIT 256KB FLSH 64MAPBGA



#### MKL26Z64VFM4

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



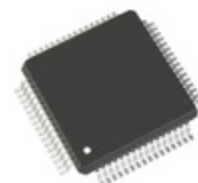
#### MKL26Z32VFT4

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



#### MKL26Z64VFM4

Freescale Semiconductor  
IC MCU 32BIT 64KB FLASH 32QFN



#### MKL26Z64VLH4

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



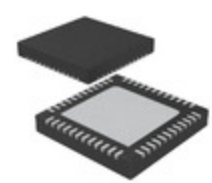
#### MKL27Z64VFM4

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



#### MKL27Z64VDA4R

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



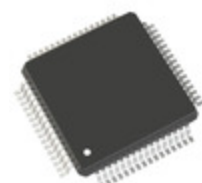
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NXP USA Inc.  
IC MCU 32BIT 64KB FLASH 48QFN



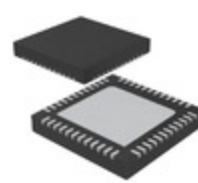
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Freescale Semiconductor  
IC MCU 32BIT 32KB FLASH 64LQFP



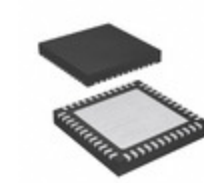
#### MKL27Z32VLH4

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



#### MKL27Z128VFT4

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



#### MKL27Z256VFT4

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



#### MKL27Z256VMP4

NXP USA Inc.  
IC MCU 32BIT 256KB FLSH 64MAPBGA

## 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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