

Image may be representation.  
See specifications for product details.



## MKE16Z64VLD4

Manufacturer Part Number	<b>MKE16Z64VLD4</b>
Manufacturer	<b>NXP Semiconductors</b>
Allelco Part Number	32D-MKE16Z64VLD4
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	IC MCU 32BIT 64KB FLASH 44LQFP
Package	44-LQFP
Data sheet	<b>KE1xZ64/32~.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MKE16Z64VLD4 - NXP USA Inc..New Original in Stock. Download Linear Technology MKE16Z64VLD4 datasheet/specifications on AllelcoElec.com.  
Request a quote for MKE16Z64VLD4, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MKE16Z64VLD4 Tech Specifications

MKE16Z64VLD4 - 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)	2.7V ~ 5.5V	Operating Temperature	-40°C ~ 105°C (TA)
Supplier Device Package	44-LQFP (10x10)	Number of I/O	38
Speed	48MHz	Mounting Type	Surface Mount
Series	Kinetis KE1xZ	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 12x12b; D/A 1x8b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	DMA, LVD, POR, PWM, WDT	Connectivity	CANbus, I <sup>2</sup> C, SPI, UART/USART
Package / Case	44-LQFP	Base Product Number	MKE16Z64
Package	Tray		

### Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MKE16Z64VLD4

Product Attribute				
Part Number	MKE16Z64VLD4	MKE15Z128VLH7	MKE18F256VLH16	MKE14Z64VLF4
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Data Converters	A/D 12x12b; D/A 1x8b	A/D 16x12b; D/A 1x8b	A/D 16x12b; D/A 1x12b	A/D 12x12b; D/A 1x8b
Base Product Number	MKE16Z64	MKE15Z128	MKE18F256	MKE14Z64
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Connectivity	CANbus, I <sup>2</sup> C, SPI, UART/USART	CANbus, I <sup>2</sup> C, SPI, UART/USART	CANbus, FlexIO, I <sup>2</sup> C, SPI, UART/USART	I <sup>2</sup> C, SPI, UART/USART
Program Memory Type	FLASH	FLASH	FLASH	FLASH
RAM Size	8K x 8	16K x 8	64K x 8	8K x 8
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)
Package / Case	44-LQFP	64-LQFP	64-LQFP	48-LQFP
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M4F	ARM® Cortex®-M0+
Supplier Device Package	44-LQFP (10x10)	64-LQFP (10x10)	64-LQFP (10x10)	48-LQFP (7x7)
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	256KB (256K x 8)	64KB (64K x 8)
Package	Tray	Tray	Tray	Tray
Voltage - Supply (Vcc/Vdd)	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V	2.7V ~ 5.5V
Oscillator Type	Internal	Internal	Internal	Internal
Peripherals	DMA, LVD, POR, PWM, WDT	DMA, LVD, PWM, WDT	DMA, LVD, PWM, WDT	DMA, LVD, POR, PWM, WDT
EEPROM Size	-	-	68K x 8	-
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Number of I/O	38	58	58	42
Series	Kinetis KE1xZ	Kinetis KE1xZ	Kinetis KE1xF	Kinetis KE1xZ
Speed	48MHz	72MHz	168MHz	48MHz

### MKE16Z64VLD4 Datasheet PDF

Download MKE16Z64VLD4 pdf datasheets and NXP USA Inc. documentation for MKE16Z64VLD4 - NXP USA Inc..

#### Datasheets

[KE1xZ64/32~.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














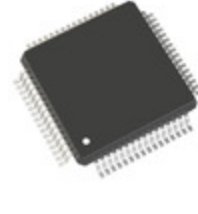



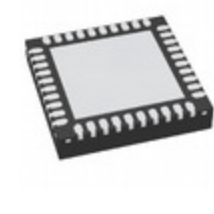
## PCN Assembly/Origin



Mult Dev Site Chgs 18/Dec/2020.pdf

## Customers Also Interested in

### Recommended Products

					
<b>MKE15Z128VLH7</b>	<b>MKE18F256VLH16</b>	<b>MKE14Z64VLF4</b>	<b>MKE14Z64VLD4</b>	<b>MKE16Z32VLD4</b>	<b>MKE17Z256VLL7</b>
NXP USA Inc. IC MCU 32BIT 128KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 48LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 44LQFP	NXP USA Inc. IC MCU 32BIT 32KB FLASH 44LQFP	NXP USA Inc. IC MCU 32BIT 256KB FLASH 100LQFP
					
<b>MKE17Z256VLH7</b>	<b>MKE16Z64VLF4</b>	<b>MKE14Z256VLH7R</b>	<b>MKE14Z128VLH7</b>	<b>MKE18F512VLL16</b>	<b>MKE14Z256VLH7</b>
NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 48LQFP	NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 128KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 512KB FLASH 100LQFP	NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP
					
<b>MKE15Z256VLH7</b>	<b>MKE14F256VLH16</b>	<b>MKE06Z64VLH4</b>	<b>MKE06Z64VLL4</b>	<b>MKE15Z64VLD4</b>	<b>MKE15Z64VFP4</b>
NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 256KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 64LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 80LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 44LQFP	NXP USA Inc. IC MCU 32BIT 64KB FLASH 40HVQFN

## 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.

	
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### Certifications & Memberships



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