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See specifications for product details.



MKL14Z64VFM4R

Manufacturer Part Number	MKL14Z64VFM4R
Manufacturer	NXP Semiconductors
Allelco Part Number	32D-MKL14Z64VFM4R
ECAD Model	Request Free CAD Models
Parts Description	IC MCU 32BIT 64KB FLASH 32QFN
Package	32-VFQFN Exposed Pad
Data sheet	KL14 Ref Manual.pdf KL14_VFM/T,VLH/K4 Datasheet.pdf KL14,KL15 Product Brief.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MKL14Z64VFM4R - NXP USA Inc..New Original in Stock. Download Linear Technology MKL14Z64VFM4R datasheet/specifications on AllelcoElec.com.
Request a quote for MKL14Z64VFM4R, please send us email: info@allelco.com

Specifications

MKL14Z64VFM4R Tech Specifications
MKL14Z64VFM4R - 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	32-HVQFN (5x5)	Number of I/O	28
Speed	48MHz	Mounting Type	Surface Mount, Wettable Flank
Series	Kinetis KL1	EEPROM Size	-
RAM Size	8K x 8	Data Converters	A/D 9x12b
Program Memory Type	FLASH	Core Size	32-Bit Single-Core
Program Memory Size	64KB (64K x 8)	Core Processor	ARM® Cortex®-M0+
Peripherals	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT	Connectivity	I²C, LINbus, SPI, UART/USART
Package / Case	32-VFQFN Exposed Pad	Base Product Number	MKL14Z64
Package	Tape & Reel (TR)		

Parts with Similar Specifications

The three parts on the right have similar specifications to NXP USA Inc. MKL14Z64VFM4R

Product Attribute				
Part Number	MKL14Z64VFM4R	MKL15Z128VFT4	MKL14Z64VFT4	MKL15Z128CAD4R
Manufacturer	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.	NXP USA Inc.
Data Converters	A/D 9x12b	A/D 15x16b; D/A 1x12b	A/D 15x12b	A/D 9x16b; D/A 1x12b
Number of I/O	28	40	40	31
Core Size	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core	32-Bit Single-Core
Speed	48MHz	48MHz	48MHz	48MHz
Peripherals	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT	Brown-out Detect/Reset, DMA, LVD, POR, PWM, WDT
Voltage - Supply (Vcc/Vdd)	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V	1.71V ~ 3.6V
Series	Kinetis KL1	Kinetis KL1	Kinetis KL1	Kinetis KL1
Package / Case	32-VFQFN Exposed Pad	48-VFQFN Exposed Pad	48-VFQFN Exposed Pad	35-UFBGA, WLCSP
Program Memory Size	64KB (64K x 8)	128KB (128K x 8)	64KB (64K x 8)	128KB (128K x 8)
Package	Tape & Reel (TR)	Tray	Tray	Tape & Reel (TR)
Supplier Device Package	32-HVQFN (5x5)	48-QFN (7x7)	48-QFN (7x7)	35-WLCSP (2.53x2.99)
Mounting Type	Surface Mount, Wettable Flank	Surface Mount	Surface Mount	Surface Mount
RAM Size	8K x 8	16K x 8	8K x 8	16K x 8
Core Processor	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+	ARM® Cortex®-M0+
Operating Temperature	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 105°C (TA)	-40°C ~ 85°C (TA)
Base Product Number	MKL14Z64	MKL15Z128	MKL14Z64	MKL15Z128
Oscillator Type	Internal	Internal	Internal	Internal
Program Memory Type	FLASH	FLASH	FLASH	FLASH
EEPROM Size	-	-	-	-
Connectivity	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, TSI, UART/USART	I²C, LINbus, SPI, UART/USART	I²C, LINbus, SPI, TSI, UART/USART

MKL14Z64VFM4R Datasheet PDF

Download MKL14Z64VFM4R pdf datasheets and NXP USA Inc. documentation for MKL14Z64VFM4R - NXP USA Inc..

Datasheets

KL14,KL15 Product 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

2.73KHz.pdf

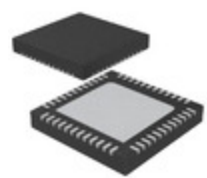
HTML Datasheet

KL14 Ref Manual.pdf

KL14_VFM/T,VLH/K4 Datasheet.pdf

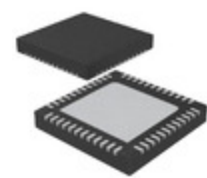
Customers Also Interested in

Recommended Products



MKL15Z128VFT4

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



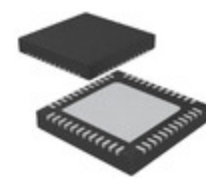
MKL14Z64VFT4

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



MKL15Z128CAD4R

NXP USA Inc.
IC MCU 32BIT 128KB FLASH 35WLCSP



MKL14Z32VFT4

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



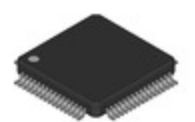
MKL14Z64VLH4

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



MKL14Z32VFM4

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



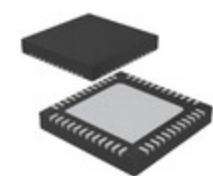
MKL15Z128VLH4

Freescale Semiconductor
IC MCU 32BIT 128KB FLASH 64LQFP



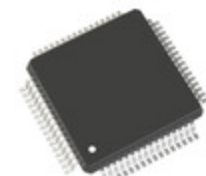
MKL14Z64VFM4

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



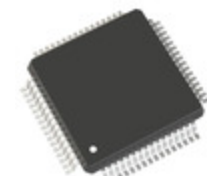
MKL14Z64VFT4R

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



MKL14Z32VLH4

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



MKL15Z128VLH4

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



MKL14Z32VLK4

NXP USA Inc.
IC MCU 32BIT 32KB FLASH 80FQFP



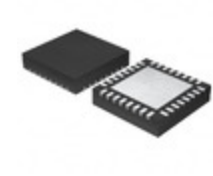
MKL13Z64VLK4

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 80FQFP



MKL14Z64VLK4R

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 80FQFP



MKL15Z128VFM4

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



MKL13Z32VLH4

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



MKL13Z64VLH4

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



MKL14Z64VLK4

NXP USA Inc.
IC MCU 32BIT 64KB FLASH 80FQFP

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



View More

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