

MK02FN64VFM10R

MK02FN64VFM10R Information

Heisener.com

Part Number MK02FN64VFM10R

Manufacturer NXP

Category Integrated Circuits (ICs)

Embedded - Microcontrollers

Description KINETIS K 32-BIT MCU ARM CORTEX

Package 32-VFQFN Exposed Pad

For the pricing/inventory/lead time, please contact

us

For Reference Only

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E-mail: salesdept@heisener.com



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MK02FN64VFM10R Specifications

Manufacturer Part Number MK02FN64VFM10R Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 32-VFQFN Exposed Pad Series Kinetis K02 Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 100MHz Connectivity PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature 40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	•	
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Package32-VFQFN Exposed PadSeriesKinetis K02Core ProcessorARM® Cortex®-M4Core Size32-BitSpeed100MHzConnectivityPC, SPI, UART/USARTPeripheralsDMA, LVD, POR, PWMNumber of I/O26Program Memory Size64KB (64K x 8)Program Memory TypeFLASHEEPROM Size-RAM Size16K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 12x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Category	Integrated Circuits (ICs)
Series Kinetis K02 Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 100MHz Connectivity PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)		Embedded - Microcontrollers
Core Processor ARM® Cortex®-M4 Core Size 32-Bit Speed 100MHz Connectivity PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Package	32-VFQFN Exposed Pad
Core Size 32-Bit Speed 100MHz Connectivity PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Series	Kinetis K02
Speed 100MHz Connectivity PC, SPI, UART/USART Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Core Processor	ARM® Cortex®-M4
Connectivity Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case Supplier Device Package 32-VFQFN Exposed Pad	Core Size	32-Bit
Peripherals DMA, LVD, POR, PWM Number of I/O 26 Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Speed	100MHz
Number of I/O Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Connectivity	I ² C, SPI, UART/USART
Program Memory Size 64KB (64K x 8) Program Memory Type FLASH EEPROM Size - RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Peripherals	DMA, LVD, POR, PWM
Program Memory Type EEPROM Size RAM Size 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package	Number of I/O	26
EEPROM Size - 16K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Program Memory Size	64KB (64K x 8)
RAM Size Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Program Memory Type	FLASH
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 12x16b, D/A 1x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	EEPROM Size	-
Data Converters A/D 12x16b, D/A 1x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	RAM Size	16K x 8
Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Data Converters	A/D 12x16b, D/A 1x12b
Mounting Type - Package / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Oscillator Type	Internal
Package / Case32-VFQFN Exposed PadSupplier Device Package32-QFN (5x5)	Operating Temperature	$-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$
Supplier Device Package 32-QFN (5x5)	Mounting Type	-
	Package / Case	32-VFQFN Exposed Pad
Report errors?	Supplier Device Package	32-QFN (5x5)
		Report errors?

MK02FN64VFM10R Guarantees



Quality Guarantees

We provide 90 days warranty. *

If the items you received were not in perfect quality, we would be responsible for your refund or replacement, but the items must be returned in their original condition.



Service Guarantees

We guarantee 100% customer satisfaction.

Our experienced sales team and tech support team back our services to satisfy all our customers.

MK02FN64VFM10R Payment Methods





















MK02FN64VFM10R Shipping Methods













If you have any question about MK02FN64VFM10R, please do not hesitate to contact us!

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