

# 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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# MK02FN64VFM10R Specifications

Manufacturer Part Number         MK02FN64VFM10R           Manufacturer         NXP           Category         Integrated Circuits (ICs)           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-VFQFN Exposed Pad	*	
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         IPC, 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)	Manufacturer Part Number	MK02FN64VFM10R
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)	Manufacturer	NXP
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)	Category	Integrated Circuits (ICs)
Series         Kinetis K02           Core Processor         ARM® Cortex®-M4           Core Size         32-Bit           Speed         100MHz           Connectivity         P°C, 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 32-VFQFN Exposed Pad  Supplier Device Package 32-QFN (5x5)	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)  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	Speed	100MHz
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)	Connectivity	I <sup>2</sup> 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)  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)  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) $1.71 \text{ V} \sim 3.6 \text{ V}$ Data ConvertersA/D $12x16b$ , D/A $1x12b$ Oscillator TypeInternalOperating Temperature $-40^{\circ}\text{C} \sim 105^{\circ}\text{C}$ (TA)Mounting Type-Package / Case $32\text{-VFQFN}$ Exposed PadSupplier Device Package $32\text{-QFN}$ (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 $-40^{\circ}\text{C} \sim 105^{\circ}\text{C} \text{ (TA)}$ Mounting Type-Package / Case $32\text{-VFQFN Exposed Pad}$ Supplier Device Package $32\text{-QFN (5x5)}$	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 / Case 32-VFQFN Exposed Pad Supplier Device Package 32-QFN (5x5)	Operating Temperature	-40°C ~ 105°C (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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