

MK24FN1M0VDC12R

MK24FN1M0VDC12R Information

NUMBATINESHTINE SATI	Part Number Manufacturer Category Description Package	MK24FN1M0VDC12R NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 1MB FLASH 121MAPBGA 121-XFBGA For the pricing/inventory/lead time, please contact us	
For Reference Only		Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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MK24FN1M0VDC12R Specifications

Manufacturer NXP Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Package 121-XFEGA Series Kinetis K20 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 120MHz Connectivity CAN, EBI/EMI, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG Number of I/O 83 Program Memory Size IMB (1M x 8) Program Memory Type FLASH EEPROM Size - RAM Size 256K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters A/D 37x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Mounting Type - Package / Case 121-XFBGA Supplier Device Package 121-MAPBGA (8x8)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage121-XFBGASeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPreipheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (IM x 8)EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 37x16b, D/A 2x12bOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGA (8x8)	Manufacturer Part Number	MK24FN1M0VDC12R	
Indext and the second	Manufacturer	NXP	
Package121-XFBGASeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAUD 37x16b, D/A 2x12bOscillator Type-Program Gremperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Category	Integrated Circuits (ICs)	
SeriesKinetis K20SeriesARM? Cortex?-M4Core Processor32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1,71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGA (8x8)	Package	121-XFBGA	
Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, I2C, IrDA, SD, SPI, UART/USART, USB, OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltag - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Series	Kinetis K20	
Speed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGA (8x8)	Core Processor	ARM? Cortex?-M4	
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PeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O83Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Speed	120MHz	
Number of I/O83Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Connectivity	CAN, EBI/EMI, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG	
Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Peripherals	DMA, I2S, LVD, POR, PWM, WDT	
Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Number of I/O	83	
EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Program Memory Size	1MB (1M x 8)	
RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	EEPROM Size	-	
Data ConvertersA/D 37x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	RAM Size	256K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Data Converters	A/D 37x16b, D/A 2x12b	
Mounting Type-Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Oscillator Type	Internal	
Package / Case121-XFBGASupplier Device Package121-MAPBGA (8x8)	Operating Temperature	-40°C ~ 105°C (TA)	
Supplier Device Package121-MAPBGA (8x8)	Mounting Type	-	
	Package / Case	121-XFBGA	
Report errors ⁴	Supplier Device Package	121-MAPBGA (8x8)	
			Report errors?

MK24FN1M0VDC12R 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.

MK24FN1M0VDC12R Payment Methods





If you have any question about MK24FN1M0VDC12R, please do not hesitate to contact us! Website: https://www.heisener.com E-mail: salesdept@heisener.com