

MK64FN1M0VLQ12

MK64FN1M0VLQ12 Information

www.beisenensom	Part Number Manufacturer Category Description Package	MK64FN1M0VLQ12 NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 1MB FLASH 144LQFP 144-LQFP For the pricing/inventory/lead time, please contact	
For Reference Only		us Website: https://www.heisener.com E-mail: salesdept@heisener.com	Request a Quote

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MK64FN1M0VLQ12 Specifications

Manufacturer Part NumberMK64FN1M0VLQ12ManufacturerNXPCategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPreipheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (IM x 8)FEPROM SizeSefs X 8Voltage - Supply (Vcc/Vdd)I.TI V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalMounting Type-Ackage / Case144-LQFPMounting Type144-LQFPProgram Case144-LQFPMounting Type-Ackage / Case144-LQFPMounting Type-Mounting Type-Mou				
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator Type-Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Manufacturer Part Number	MK64FN1M0VLQ12		
Embedded - MicrocontrollersPackage144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Manufacturer	NXP		
Package144-LQFPSeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 41x16b, D/A 2x12bOscillator Type-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Category	Integrated Circuits (ICs)		
SeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 41.16b, D/A 2x.12bOscillator Type-Operating Temperature-40°C ~ 105°C (TA)Mounting Type144-LQFP (20x20)		Embedded - Microcontrollers		
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD4 1x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Package	144-LQFP		
Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD 41x16b, D/A 2x12bOscillator Type-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (2020)	Series	Kinetis K60		
Speed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Processor	ARM? Cortex?-M4		
PrintInternationalConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O100Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Core Size	32-Bit		
Peripherals DMA, I2S, LVD, POR, PWM, WDT Number of I/O 100 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 41x16b, D/A 2x12b Oscillator Type Internal Operating Temperature -40°C ~ 105°C (TA) Package / Case 144-LQFP (20x20)	Speed	120MHz		
Number of I/O100Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG		
Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-Mounting Type-Package / Case144-LQFP (20x20)	Peripherals	DMA, I2S, LVD, POR, PWM, WDT		
Program Memory TypeFLASHEEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFP (20x20)	Number of I/O	100		
EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Size	1MB (1M x 8)		
RAM Size256K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Program Memory Type	FLASH		
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	EEPROM Size	-		
Data ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	RAM Size	256K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V		
Operating Temperature-40°C ~ 105°C (TA)Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Data Converters	A/D 41x16b, D/A 2x12b		
Mounting Type-Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Oscillator Type	Internal		
Package / Case144-LQFPSupplier Device Package144-LQFP (20x20)	Operating Temperature	-40°C ~ 105°C (TA)		
Supplier Device Package144-LQFP (20x20)	Mounting Type	-		
	Package / Case	144-LQFP		
	Supplier Device Package	144-LQFP (20x20)		
Report		Report errors?		

MK64FN1M0VLQ12 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 BUARANTEE

Service Guarantees

We guarantee 100% customer satisfaction. Our experienced sales team and tech support team back our services to satisfy all our customers.

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