

MK61FN1M0CAA12R

MK61FN1M0CAA12R Information

www.basester.	Part Number Manufacturer Category Description Package	MK61FN1M0CAA12R NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 1MB FLASH 144MAPBGA 144-LBGA 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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MK61FN1M0CAA12R Specifications

Manufacturer Part Number MK61FN1M0CAA12R Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers Embedded - Microcontrollers Package 144-LBGA Series Kinetis K60 Core Processor ARM? Cortex?-M4 Core Size 32-Bit Speed 120MHz Connectivity CAN. EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTG Peripherals DMA, 12S, LVD, POR, PWM, WDT Number of I/O 95 Program Memory Size IMB (IM x 8) Program Memory Type FLASH KAM Size 128K x 8 Voltage - Supply (Vcc/Vdd) 1.71 V ~ 3.6 V Data Converters AD 53x16b, D/A 2x12b Oscillator Type Internal Operating Temperature 40°C ~ 85°C (TA) Mounting Type - Package / Case 144-ABBGA (13x13)				
CategoryIntegrated Circuits (ICS)Embedded-MicrocontrollersPackage144-LBGASeriesKinetis 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/O95Program Memory SizeIMB (1M x 8)FORGY MEMORYPCAPACMASIZE28K x 8Voltage Supply (Vcc/Vdd)1.71 ~ 3.6 VData ConvertersAnd Size(TA)Operating Temperature4.0°C ~ 85°C (TA)Mounting Type144-LBGASupplier Device Package144-MAPBGA (13x13)	Manufacturer Part Number MK61FN1M0CAA12R			
HerePackage144-LBGASeriesKinetis 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/O95Program Memory SizeIMB (1M x 8)FEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD5 3s16b, D/A 2s12bOscillator TypeHernalMounting Type-Package / Case44-MAPBGA (13x13)	Manufacturer	NXP		
Package144-LBGASeriesKinetis 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/O95Program Memory SizeIMB (1M x 8)FPROM Size-Vallage A. Supply (Vcc/Vdd)171 V ~ 3.6 VPorating TypeMonteny 1.0 LOrditator TypeMore Size CareOperating Temperature4.0°C ~ 85°C (TA)Mounting Type14-LBGASupplier Device Package14-MAPBGA (13x13)	Category	Integrated Circuits (ICs)		
SeriesKinetis K60Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature4.0°C ~ 85°C (TA)Mounting Type144-LBGASupplier Device Package144-MAPBGA (13x13)		Embedded - Microcontrollers		
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, Ethernet, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1/1 V ~ 3.6 VData ConvertersAD 53x16b, D/A 2x12bOscillator Type-Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Package	144-LBGA		
Core Size32-BitSpeed120MHzConnectivityCAN, EBJ/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAD5 3316b, D/A 2x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type144-LBGASupplier Device Package144-MAPBGA (13x13)	Series	Kinetis K60		
Speed120MHzConnectivityCAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, I2S, LVD, POR, PWM, WDTNumber of I/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersAnd 53x16b, D/A 2x12bOscillator TypeIternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	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/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Core Size	32-Bit		
PeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O95Program Memory SizeIMB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Speed	120MHz		
Number of I/O95Program Memory Size1MB (1M x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Connectivity	CAN, EBI/EMI, Ethernet, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG		
Program Memory SizeIMB (IM x 8)Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Peripherals	DMA, I2S, LVD, POR, PWM, WDT		
Program Memory TypeFLASHEEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Number of I/O	95		
EEPROM Size-RAM Size128K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Program Memory Size	1MB (1M x 8)		
RAM Size128K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Program Memory Type	FLASH		
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	EEPROM Size	-		
Data ConvertersA/D 53x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	RAM Size	128K x 8		
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V		
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Data Converters	A/D 53x16b, D/A 2x12b		
Mounting Type-Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Oscillator Type	Internal		
Package / Case144-LBGASupplier Device Package144-MAPBGA (13x13)	Operating Temperature	-40°C ~ 85°C (TA)		
Supplier Device Package144-MAPBGA (13x13)	Mounting Type	-		
	Package / Case	144-LBGA		
Report errors'	Supplier Device Package	144-MAPBGA (13x13)		
		Report errors?		

MK61FN1M0CAA12R 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.

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