

MK24FN1M0CAJ12R

MK24FN1M0CAJ12R Information

Heisener.com Belar lance card har	Part Number Manufacturer Category Description Package	MK24FN1M0CAJ12R NXP Integrated Circuits (ICs) Embedded - Microcontrollers IC MCU 32BIT 1MB FLASH 142WLCSP 142-UFBGA, WLCSP 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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MK24FN1M0CAJ12R Specifications

Manufacturer NXP Manufacturer NXP Category Integrated Circuits (ICs) Embedded - Microcontrollers 142-UFBGA, WLCSP Package 142-UFBGA, WLCSP 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 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 Operating Temperature -40°C ~ 85°C (TA) Operating Temperature -40°C ~ 85°C (TA) Package / Case 142-UFBGA, WLCSP Supplier Device Package 142-WLCSP (4.83x5.58)			
CategoryIntegrated Circuits (ICs)Embedded - MicrocontrollersPackage142-UFBGA, WLCSPSeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (IM x 8)EEPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Manufacturer Part Number	MK24FN1M0CAJ12R	
Indedded - MicrocontrollersPackage142-UFBGA, WLCSPSeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 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 TypeInternalOperating Temperature-40°C ~ 85°C (TA)Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Manufacturer	NXP	
Package142-UFBGA, WLCSPSeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnetivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPeripheralsDMA, 12S, LVD, POR, PWM, WDTNumber of I/O100Program Memory SizeIMB (1M x 8)PERPROM Size-RAM Size256K x 8Voltage - Supply (Vcc/Vd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Category	Integrated Circuits (ICs)	
SeriesKinetis K20Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 12C, IrDA, SD, SPI, UART/USART, USB, USB OTGPreipheralsDMA, 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 2x12bOperating Temperature-A0°C ~ 85°C (TA)-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)		Embedded - Microcontrollers	
Core ProcessorARM? Cortex?-M4Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 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-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Package	142-UFBGA, WLCSP	
Core Size32-BitSpeed120MHzConnectivityCAN, EBI/EMI, 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-RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator Type-Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Series	Kinetis K20	
Speed120MHzConnectivityCAN, EBI/EMI, 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 ~ 85°C (TA)Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Core Processor	ARM? Cortex?-M4	
Connectivity CAN, EBI/EMI, I2C, IrDA, SD, SPI, UART/USART, USB, USB OTG 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 ~ 85°C (TA) Package / Case 142-UFBGA, WLCSP Supplier Device Package 142-WLCSP (4.83x5.58)	Core Size	32-Bit	
PeripheralsDMA, 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 TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	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-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	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 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	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 2x12bDoscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	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 ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Program Memory Size	1MB (1M x 8)	
RAM Size256K x 8Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Program Memory Type	FLASH	
Voltage - Supply (Vcc/Vdd)1.71 V ~ 3.6 VData ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	EEPROM Size	-	
Data ConvertersA/D 41x16b, D/A 2x12bOscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	RAM Size	256K x 8	
Oscillator TypeInternalOperating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V	
Operating Temperature-40°C ~ 85°C (TA)Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Data Converters	A/D 41x16b, D/A 2x12b	
Mounting Type-Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Oscillator Type	Internal	
Package / Case142-UFBGA, WLCSPSupplier Device Package142-WLCSP (4.83x5.58)	Operating Temperature	-40°C ~ 85°C (TA)	
Supplier Device Package142-WLCSP (4.83x5.58)	Mounting Type	-	
	Package / Case	142-UFBGA, WLCSP	
Report errors?	Supplier Device Package	142-WLCSP (4.83x5.58)	
			Report errors?

MK24FN1M0CAJ12R 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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