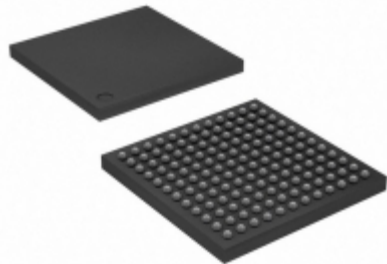


MK22FX512VMD12



Images are for reference only.
See Product Specifications for product details.
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Part Number: [MK22FX512VMD12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 144BGA

Data sheet:
[PDF 2N03G Mask Errata](#)
[PDF MK22FX512VLQ,MD12, MK22FN1M0VLQ,MD12](#)
[PDF MK22FX512VMD12 Ref Manual](#)

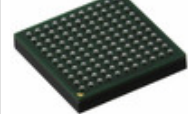
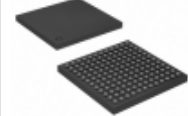
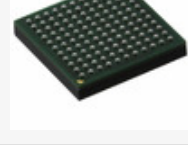
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	MK22FX512VMD12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 144BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	9566 pcs	Data sheet	2N03G Mask Errata MK22FX512VLQ,MD12, MK22FN1M0VLQ,MD12 MK22FX512VMD12 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	144-MAPBGA (13x13)	Speed	120MHz
Series	Kinetis K20	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	512KB (512K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	144-LBGA	Other Names	935311205557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	100	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	-
Detailed Description	ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)	Data Converters	A/D 42x16b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, EBI/EMI, I ² C, IrDA, SPI, UART/USART, USB, USB OTG	Base Part Number	MK22FX512
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	Part#: MK22FX512AVMC12 Description: IC MCU 32BIT 512KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK23-35-C-2 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK23-35-B-1 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK23-35-A-1 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
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	Part#: MK23-35-B-4 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK22FX512VLH12 Description: IC MCU 32BIT 512KB FLASH 64LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512AVLQ12 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512AVMD12 Description: IC MCU 32BIT 512KB FLASH 144BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512VLQ12 Description: IC MCU 32BIT 512KB FLASH 144LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512VLL12 Description: IC MCU 32BIT 512KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK23-35-B-2 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK23-35-D-4 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK22FX512VMD12R Description: KINETIS K 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512VLK12 Description: IC MCU 32BIT 512KB FLASH 80LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK23-35-D-2 Description: SWITCH REED SPST-NO 1A 200V	Manufacturers: Standex-Meder Electronics	RFQ
	Part#: MK22FX512VMC12R Description: KINETIS K 32-BIT MCU ARM CORTEX	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK22FX512VMC12 Description: IC MCU 32BIT 512KB FLASH 121BGA	Manufacturers: NXP Semiconductors / Freescale	RFQ

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