

MK21FX512VMC12



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Part Number: [MK21FX512VMC12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 121BGA

Data sheet:  [2N03G Mask Errata](#)
 [K21 Sub-Family](#)
 [MK21FyyyyVMC12 Ref Manual](#)

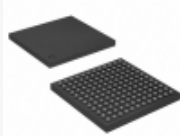
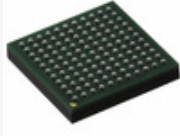
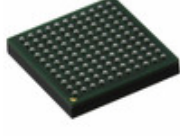
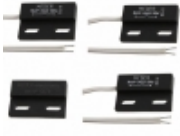
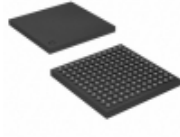
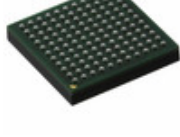
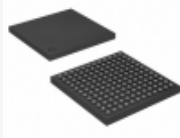
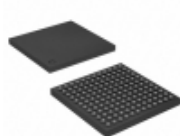
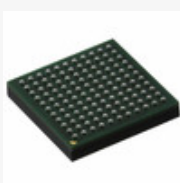
RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	MK21FX512VMC12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	9917 pcs	Data sheet	2N03G Mask Errata K21 Sub-Family MK21FyyyyVMC12 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	121-MAPBGA (8x8)	Speed	120MHz
Series	Kinetis K20	RAM Size	128K 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	121-LFBGA	Other Names	935311781557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	64	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 121-MAPBGA (8x8)	Data Converters	A/D 40x16b, D/A 2x12b
Core Size	32-Bit	Core Processor	ARM® Cortex®-M4
Connectivity	CANbus, I ² C, IrDA, SPI, UART/USART, USB, USB OTG	Base Part Number	MK21FX512
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	Part#: MK21FN1M0VMC12 Description: IC MCU 32BIT 1MB FLASH 121MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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