

MK22FN512VDC12



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Part Number: [MK22FN512VDC12](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 121BGA

Data sheet:  [MK22FN512Vyy12 Datasheet](#)
 [K22F Family Product Brief](#)
 [MK22FN512Vyy12 Ref Manual](#)

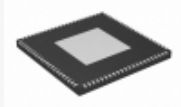
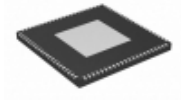
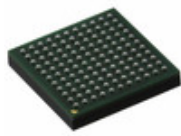
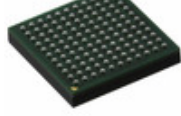
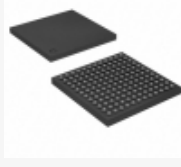
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK22FN512VDC12	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 512KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	13257 pcs	Data sheet	MK22FN512Vyy12 Datasheet K22F Family Product Brief MK22FN512Vyy12 Ref Manual
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	121-BGA (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-XFBGA	Other Names	935321978557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	81	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Manufacturer Standard Lead Time	13 Weeks	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-BGA (8x8)
Data Converters	A/D 38x16b, D/A 2x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	I ² C, IrDA, SPI, UART/USART, USB, USB OTG
Base Part Number	MK22FN512		
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