

MK81FN256VDC15



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Part Number: [MK81FN256VDC15](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 121BGA

Data sheet:  [Kinetis K8x MCU Family Facat Sheet](#)

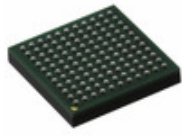
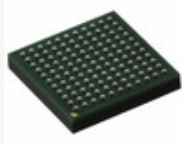
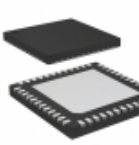
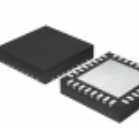
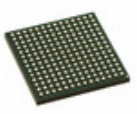
RoHs Status: Lead free / RoHS Compliant

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PRODUCT PARAMETER			
Part Number	MK81FN256VDC15	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 121BGA	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	8455 pcs	Data sheet	Kinetis K8x MCU Family Facat Sheet
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	121-MAPBGA (8x8)	Speed	150MHz
Series	Kinetis K8x	RAM Size	256K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LVD, POR, PWM	Packaging	Tray
Package / Case	121-XFBGA	Other Names	935313043557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 105°C (TA)
Number of I/O	85	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 K8x Microcontroller IC 32-Bit 150MHz 256KB (256K x 8) FLASH 121-MAPBGA (8x8)
Data Converters	A/D 17x16b, D/A 2x6b, 1x12b	Core Size	32-Bit
Core Processor	ARM® Cortex®-M4	Connectivity	EBI/EMI, I ² C, SPI, UART/USART, USB OTG
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	Part#: MK82FN256VDC15 Description: IC MCU 32BIT 256KB FLASH 121XBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK80FN256VDC15 Description: IC MCU 32BIT 256KB FLASH 121XBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: MK81FN256VLL15 Description: IC MCU 32BIT 256KB FLASH 100LQFP	Manufacturers: NXP Semiconductors / Freescale	RFQ
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	Part#: ATMEGA88A-PU Description: IC MCU 8BIT 8KB FLASH 28DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: PIC16C558-20/P Description: IC MCU 8BIT 3.5KB OTP 18DIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: DS80C320-MCL Description: IC MCU 8BIT ROMLESS 40DIP	Manufacturers: Maxim Integrated	RFQ
	Part#: PIC18LF2321T-I/SO Description: IC MCU 8BIT 8KB FLASH 28SOIC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MB90394HAPMT-GS-119E1 Description: IC MCU 16BIT 384KB ROM 120LQFP	Manufacturers: Cypress Semiconductor	RFQ
	Part#: PIC16C642-04E/SP Description: IC MCU 8BIT 7KB OTP 28SDIP	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: TC1797384F150EACKDUMA1 Description: IC MCU 32BIT 3MB FLASH 416BGA	Manufacturers: International Rectifier (Infineon Technologies)	RFQ
	Part#: R5F213MAQNNP#U0 Description: IC MCU 16BIT 96KB FLASH 40HWQFN	Manufacturers: Renesas Electronics America	RFQ
	Part#: STM32F410C8U6 Description: IC MCU 32BIT 64KB FLASH 48QFPN	Manufacturers: STMicroelectronics	RFQ
	Part#: PIC16C662T-04/L Description: IC MCU 8BIT 7KB OTP 44PLCC	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: ATSAMC21E18A-MNT Description: IC MCU 32BIT 256KB FLASH 32VQFN	Manufacturers: Micrel / Microchip Technology	RFQ
	Part#: MCF5272CVM6J Description: IC MCU 32BIT 16KB ROM 196MAPBGA	Manufacturers: NXP Semiconductors / Freescale	RFQ
	Part#: MK81FN256VDC15R Description: KINETIS K SERIES 32-BIT MCU ARM	Manufacturers: NXP Semiconductors / Freescale	RFQ

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