

MK51DX256CLK10



Part Number: [MK51DX256CLK10](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 80LQFP

Data sheet:  [K51 Sub-Family](#)
 [5N22D Mask Set Errata](#)

RoHs Status: Lead free / RoHS Compliant

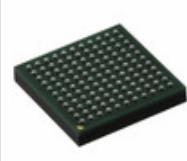
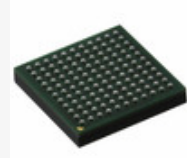
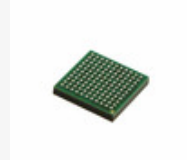
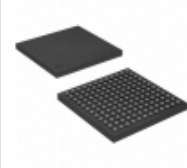
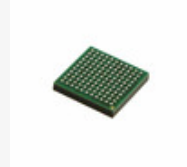
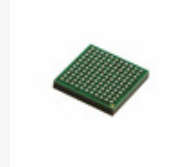
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PRODUCT PARAMETER			
Part Number	MK51DX256CLK10	Manufacturer	NXP Semiconductors / Freescale
Description	IC MCU 32BIT 256KB FLASH 80LQFP	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	12125 pcs	Data sheet	K51 Sub-Family 5N22D Mask Set Errata
Category	Integrated Circuits (ICs)	Voltage - Supply (Vcc/Vdd)	1.71 V ~ 3.6 V
Supplier Device Package	80-LQFP (12x12)	Speed	100MHz
Series	Kinetis K50	RAM Size	64K x 8
Program Memory Type	FLASH	Program Memory Size	256KB (256K x 8)
Peripherals	DMA, I ² S, LCD, LVD, POR, PWM, WDT	Packaging	Tray
Package / Case	80-LQFP	Other Names	935311122557
Oscillator Type	Internal	Operating Temperature	-40°C ~ 85°C (TA)
Number of I/O	39	Moisture Sensitivity Level (MSL)	3 (168 Hours)
Lead Free Status / RoHS Status	Lead free / RoHS Compliant	EEPROM Size	4K x 8
Detailed Description	ARM® Cortex®-M4 Kinetis K50 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 80-LQFP (12x12)	Data Converters	A/D 30x16b, 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	MK51DX256
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