



MK51DN512CLL10

Part Number:	MK51DN512CLL10
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MCU 32BIT 512KB FLASH 100LQFP
Datasheets:	1.MK51DN512CLL10.pdf 2.MK51DN512CLL10.pdf 3.MK51DN512CLL10.pdf 4.MK51DN512CLL10.pdf 5.MK51DN512CLL10.pdf
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

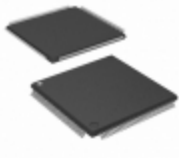
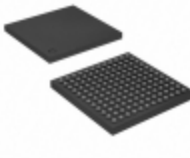
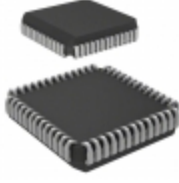
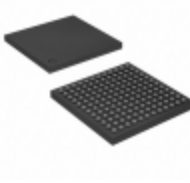
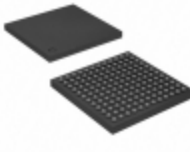
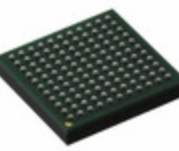
Specifications of MK51DN512CLL10

PART NUMBER	MK51DN512CLL10
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 512KB FLASH 100LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.MK51DN512CLL10.pdf 2.MK51DN512CLL10.pdf 3.MK51DN512CLL10.pdf 4.MK51DN512CLL10.pdf 5.MK51DN512CLL10.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	100-LQFP (14x14)
SPEED	100MHz
SERIES	Kinetis K50
RAM SIZE	128K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	512KB (512K x 8)
PERIPHERALS	DMA, I²S, LCD, LVD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	100-LQFP
OTHER NAMES	935317609557
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 85°C (TA)
NUMBER OF I/O	59
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 K50 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 100-LQFP (14x14)
DATA CONVERTERS	A/D 35x16b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
BASE PART NUMBER	MK51DN512

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Related Products

 MK51DN512CLQ10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: 34 pcs RFQ	 MK5110FE-R52 Manufacturers: Ohmite Description: RES 511 OHM 1/4W 1% AXIAL In stock: Out stock RFQ
 MK51DN512ZCLQ10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: Out stock RFQ	 MK51DN256CMD10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 256KB FLASH 144BGA In stock: 160 pcs RFQ
 MK50H27TQ33B Manufacturers: STMicroelectronics Description: IC CTRLR SYSTEM7 33MHZ 52-PLCC In stock: Out stock RFQ	 MK51DN256ZCMD10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 256KB FLASH 144BGA In stock: Out stock RFQ
 MK51DN512ZCLL10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: Out stock RFQ	 MK51DN512ZCMC10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 121BGA In stock: Out stock RFQ
 MK5112FE-R52 Manufacturers: Ohmite Description: RES 51.1K OHM 1/4W 1% AXIAL In stock: Out stock RFQ	 MK51DN512CMD10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144BGA In stock: 70 pcs RFQ
 MK51DN512CMC10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 121BGA In stock: 347 pcs RFQ	 MK5111FE-R52 Manufacturers: Ohmite Description: RES 5.11K OHM 1/4W 1% AXIAL In stock: Out stock RFQ

