



NXP Semiconductors / Freescale

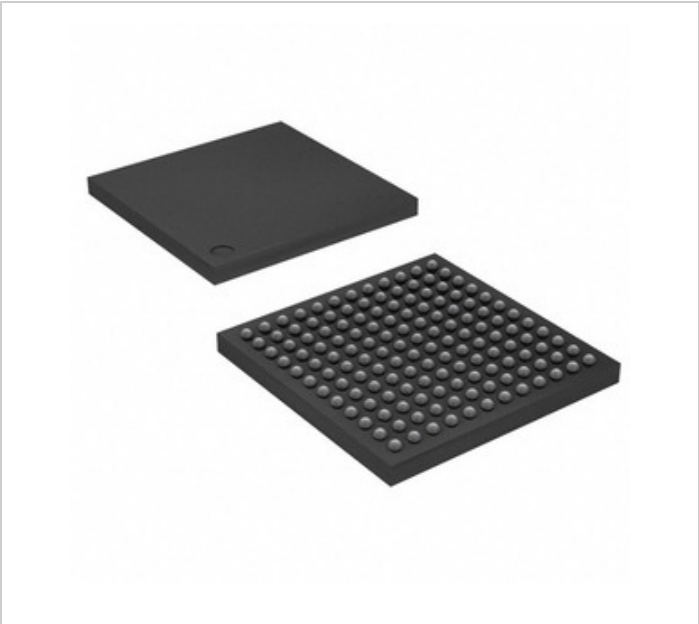


Image may be representation. See specifications for product details.

MK30DN512ZVMD10

Part Number:	MK30DN512ZVMD10
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MCU 32BIT 512KB FLASH 144BGA
Datasheets:	 1.MK30DN512ZVMD10.pdf
	 2.MK30DN512ZVMD10.pdf
	 3.MK30DN512ZVMD10.pdf
	 4.MK30DN512ZVMD10.pdf
RoHs Status	 Lead free / RoHS Compliant
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

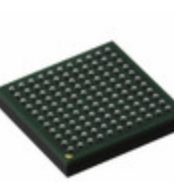
Specifications of MK30DN512ZVMD10

PART NUMBER	MK30DN512ZVMD10
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 512KB FLASH 144BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	 1.MK30DN512ZVMD10.pdf
	 2.MK30DN512ZVMD10.pdf
	 3.MK30DN512ZVMD10.pdf
	 4.MK30DN512ZVMD10.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	144-MAPBGA (13x13)
SPEED	100MHz
SERIES	Kinetis K30
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	144-LBGA
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	102
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 Kinetis K30 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
DATA CONVERTERS	A/D 46x16b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART
BASE PART NUMBER	MK30DN512

Related Tags

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Freescale Semiconductor - NXP MK30DN512ZVMD10	NXP USA Inc. MK30DN512ZVMD10	

Related Products

 MK30DX256VLH7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 256KB FLASH 64LQFP In stock: 155 pcs RFQ	 MK30DN512ZVLQ10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: Out stock RFQ
 MK30DX128VMB7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 128KB FLASH 81BGA In stock: Out stock RFQ	 MK30DN512ZVLK10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 80LQFP In stock: Out stock RFQ
 MK30DN512ZVLL10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: Out stock RFQ	 MK30DX128VLK7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 128KB FLASH 80LQFP In stock: 96 pcs RFQ
 MK30DX128VMC7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 128KB FLASH 121BGA In stock: Out stock RFQ	 MK30DX128VLH7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 128KB FLASH 64LQFP In stock: 104 pcs RFQ
 MK30DX128VLL7 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 128KB FLASH 100LQFP In stock: 90 pcs RFQ	 MK30DN512ZVLQ10R Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: Out stock RFQ
 MK30DN512VLQ10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: 58 pcs RFQ	 MK30DN512VLL10 Manufacturers: NXP Semiconductors / Freescale Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 60 pcs RFQ