

NXP Semiconductors / Freescale

MK40DN512ZVMD10

Part Number:	MK40DN512ZVMD10
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description	IC MCU 32BIT 512KB FLASH 144BGA
Datasheets:	
RoHS Status	 Lead free / RoHS Compliant
Stock Condition	7882 pcs stock
Ship From	Hong Kong
Shipment Way	DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

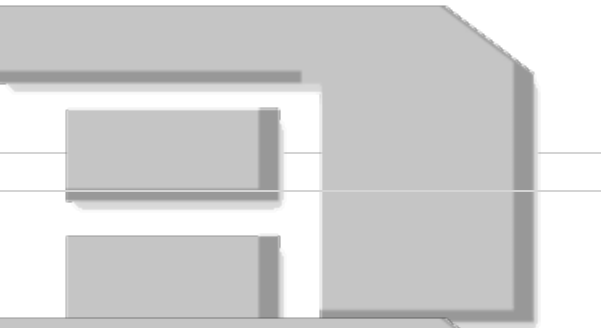
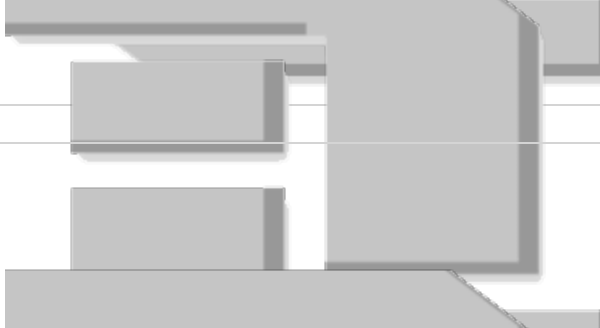
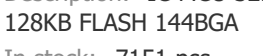
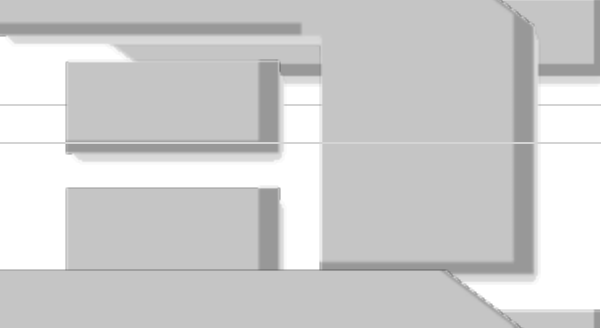
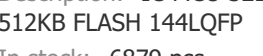
Specifications of MK40DN512ZVMD10

PART NUMBER	MK40DN512ZVMD10
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 512KB FLASH 144BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	7882 pcs
DATA SHEET	
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	144-MAPBGA (13x13)
SPEED	100MHz
SERIES	Kinetis K40
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
OTHER NAMES	935317504557
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	98
MOISTURE SENSITIVITY LEVEL (MSL)	3 (168 Hours)
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
EEPROM SIZE	-
DETAILED DESCRIPTION	ARM® Cortex®-M4 Kinetis K40 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13)
DATA CONVERTERS	A/D 42x16b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG
BASE PART NUMBER	MK40DN512

Related Tags

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	MK40DN512ZVMD10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 144BGA In stock: 7834 pcs 		MK40DX128VLL7 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 100LQFP In stock: 10408 pcs 
	MK40DX128VMB7 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 81BGA In stock: 2820 pcs 		MK40DX128VLH7 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 64LQFP In stock: 12637 pcs 
	MK40DX128VMC7 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 121BGA In stock: 15484 pcs 		MK40DN512ZVLL10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 10991 pcs 
	MK40DX128VMD10 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 144BGA In stock: 7151 pcs 		MK40DN512ZVLQ10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: 6879 pcs 
	MK40DN512VLK10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 80LQFP In stock: 7487 pcs 		MK40DN512VLL10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 7981 pcs 
	MK40DX128VLK7 Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 80LQFP In stock: 9885 pcs 		MK40DN512VLQ10 Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: 6602 pcs 