




NXP Semiconductors / Freescale

MK12DN512VLH5

Part Number:	MK12DN512VLH5
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MCU 32BIT 512KB FLASH 64LQFP
Datasheets:	1.MK12DN512VLH5.pdf 2.MK12DN512VLH5.pdf 3.MK12DN512VLH5.pdf 4.MK12DN512VLH5.pdf 5.MK12DN512VLH5.pdf
RoHS Status:	 Lead free / RoHS Compliant
Ship From:	Hong Kong
Shipment Way:	DHL/Fedex/TNT/UPS/EMS

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Image may be representation. See specifications for product details.













Specifications of MK12DN512VLH5

PART NUMBER	MK12DN512VLH5
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 512KB FLASH 64LQFP
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
DATA SHEET	1.MK12DN512VLH5.pdf 2.MK12DN512VLH5.pdf 3.MK12DN512VLH5.pdf 4.MK12DN512VLH5.pdf 5.MK12DN512VLH5.pdf
VOLTAGE - SUPPLY (VCC/VDD)	1.71 V ~ 3.6 V
SUPPLIER DEVICE PACKAGE	64-LQFP (10x10)
SPEED	50MHz
SERIES	Kinetis K10
RAM SIZE	64K x 8
PROGRAM MEMORY TYPE	FLASH
PROGRAM MEMORY SIZE	512KB (512K x 8)
PERIPHERALS	DMA, I ² S, LVD, POR, PWM, WDT
PACKAGING	Tray
PACKAGE / CASE	64-LQFP
OTHER NAMES	935314795557
OSCILLATOR TYPE	Internal
OPERATING TEMPERATURE	-40°C ~ 105°C (TA)
NUMBER OF I/O	44
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 K10 Microcontroller IC 32-Bit 50MHz 512KB (512K x 8) FLASH 64-LQFP (10x10)
DATA CONVERTERS	A/D 22x16b, D/A 1x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	I ² C, IrDA, SPI, UART/USART
BASE PART NUMBER	MK12DN512

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