

NXP Semiconductors / Freescale

### PK30N512VMD100

Part Number:	PK30N512VMD100
Manufacturer/Brand:	NXP Semiconductors / Freescale
Product description:	IC MCU 32BIT 512KB FLASH 144BGA
Datasheets:	
RoHS Status:	Lead free / RoHS Compliant
Stock Condition:	6781 pcs stock
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 PK30N512VMD100

PART NUMBER	PK30N512VMD100
MANUFACTURER	NXP Semiconductors / Freescale
DESCRIPTION	IC MCU 32BIT 512KB FLASH 144BGA
LEAD FREE STATUS / ROHS STATUS	Lead free / RoHS Compliant
QUANTITY AVAILABLE	6781 pcs
DATA SHEET	
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, I <sup>2</sup> S, 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 31x16b, D/A 2x12b
CORE SIZE	32-Bit
CORE PROCESSOR	ARM® Cortex®-M4
CONNECTIVITY	CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SD, SPI, UART/USART
BASE PART NUMBER	PK30N512

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<p><b>PK30N512VLQ100</b> Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 144LQFP In stock: 5677 pcs <a href="#">RFQ</a></p>	<p><b>PK30X-5</b> Manufacturers: LeCroy (Teledyne LeCroy) Description: BANANA SPADE TERM In stock: 5423 pcs <a href="#">RFQ</a></p>
<p><b>PK30X128VLQ100</b> Manufacturers: NXP Description: IC MCU 32BIT 128KB FLASH 144LQFP In stock: 6120 pcs <a href="#">RFQ</a></p>	<p><b>PK30N512VLL100</b> Manufacturers: NXP Description: IC MCU 32BIT 512KB FLASH 100LQFP In stock: 3775 pcs <a href="#">RFQ</a></p>
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