



NXP Semiconductors / Freescale



Image may be representation. See specifications for product details.

MK30DN512ZVLL10

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK30DN512ZVLL10                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 100LQFP                                                                             |
|                     | <a href="#">1.MK30DN512ZVLL10.pdf</a>                                                                        |
|                     | <a href="#">2.MK30DN512ZVLL10.pdf</a>                                                                        |
|                     | <a href="#">3.MK30DN512ZVLL10.pdf</a>                                                                        |
|                     | <a href="#">4.MK30DN512ZVLL10.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHS Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

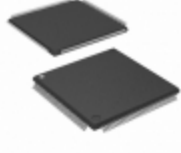
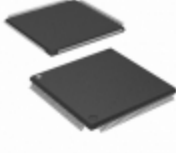
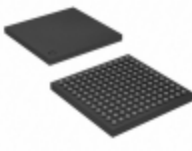
Specifications of MK30DN512ZVLL10

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK30DN512ZVLL10                                                                                                                                                  |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                   |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 100LQFP                                                                                                                                 |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| DATA SHEET                       | <a href="#">1.MK30DN512ZVLL10.pdf</a><br><a href="#">2.MK30DN512ZVLL10.pdf</a><br><a href="#">3.MK30DN512ZVLL10.pdf</a><br><a href="#">4.MK30DN512ZVLL10.pdf</a> |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 100-LQFP (14x14)                                                                                                                                                 |
| 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                   | 100-LQFP                                                                                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                                                                               |
| NUMBER OF I/O                    | 66                                                                                                                                                               |
| 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 100-LQFP (14x14)                                                             |
| DATA CONVERTERS                  | A/D 38x16b, D/A 1x12b                                                                                                                                            |
| CORE SIZE                        | 32-Bit                                                                                                                                                           |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                                                                                  |
| CONNECTIVITY                     | CANbus, I <sup>2</sup> C, IrDA, SD, SPI, UART/USART                                                                                                              |
| BASE PART NUMBER                 | MK30DN512                                                                                                                                                        |

Related Tags

|                                                |                                         |                                                    |
|------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| NXP Semiconductors / Freescale MK30DN512ZVLL10 | MK30DN512ZVLL10 Distributor             | MK30DN512ZVLL10 Supplier                           |
| MK30DN512ZVLL10 Price                          | MK30DN512ZVLL10 Pictures                | MK30DN512ZVLL10 Image                              |
| MK30DN512ZVLL10 PDF Datasheet                  | MK30DN512ZVLL10 Download Datasheet      | MK30DN512ZVLL10 Datasheet                          |
| MK30DN512ZVLL10 Stock                          | Buy MK30DN512ZVLL10                     | Buy NXP Semiconductors / Freescale MK30DN512ZVLL10 |
| NXP Semiconductors / Freescale MK30DN512ZVLL10 | NXP Semiconductors / Freescale Supplier | NXP Semiconductors / Freescale Distributor         |
| NXP Semiconductors / Freescale MK30DN512ZVLL10 | NXP Semiconductors MK30DN512ZVLL10      | Freescale MK30DN512ZVLL10                          |
| Freescale Semiconductor - NXP MK30DN512ZVLL10  | NXP USA Inc. MK30DN512ZVLL10            |                                                    |

Related Products

|                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>MK3011FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 301K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>                                  |  <div><b>MK30DX128VLH7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 104 pcs<br/><a href="#">RFQ</a></div>       |
|  <div><b>MK3013FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 301K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>                                  |  <div><b>MK3012FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 30.1K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>                                  |
|  <div><b>MK30DX128VLK7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 80LQFP<br/>In stock: 96 pcs<br/><a href="#">RFQ</a></div>       |  <div><b>MK30DN512ZVLK10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |
|  <div><b>MK30DN512ZVLQ10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MK30DN512ZVLQ10R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>MK30DN512VLQ10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 58 pcs<br/><a href="#">RFQ</a></div>     |  <div><b>MK30DN512ZVMD10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>   |
|  <div><b>MK30DX128VLL7</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 100LQFP<br/>In stock: 90 pcs<br/><a href="#">RFQ</a></div>      |  <div><b>MK30DN512VLL10</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 60 pcs<br/><a href="#">RFQ</a></div>      |