

MK22DN512VDC5

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK22DN512VDC5                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 121BGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

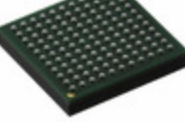
Specifications of MK22DN512VDC5

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK22DN512VDC5                                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 121BGA                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| DATA SHEET                       |                                                                                                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 121-MAPBGA (8x8)                                                                                    |
| SPEED                            | 50MHz                                                                                               |
| SERIES                           | Kinetis K20                                                                                         |
| RAM SIZE                         | 64K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                               |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                    |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT                                                           |
| PACKAGING                        | Tray                                                                                                |
| PACKAGE / CASE                   | 121-VFBGA                                                                                           |
| OTHER NAMES                      | 935312074557                                                                                        |
| OSCILLATOR TYPE                  | Internal                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                  |
| NUMBER OF I/O                    | 56                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| EEPROM SIZE                      | -                                                                                                   |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 50MHz 512KB (512K x 8) FLASH 121-MAPBGA (8x8) |
| DATA CONVERTERS                  | A/D 20x16b, D/A 1x12b                                                                               |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                     |
| CONNECTIVITY                     | I <sup>2</sup> C, IrDA, SPI, UART/USART, USB, USB OTG                                               |

Related Tags

|                                              |                                         |                                                  |
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| NXP Semiconductors / Freescale MK22DN512VDC5 | MK22DN512VDC5 Distributor               | MK22DN512VDC5 Supplier                           |
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| Freescale Semiconductor - NXP MK22DN512VDC5  | NXP USA Inc. MK22DN512VDC5              |                                                  |

Related Products

|                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                        |
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|  <div><b>MK2212FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 22.1K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                               |  <div><b>MK2260FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 226 OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                                |
|  <div><b>MK22DX128VLH5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 64LQFP<br/>In stock: 135 pcs<br/>RFQ</div>    |  <div><b>MK2211FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 2.21K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                              |
|  <div><b>MK2263FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 226K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                                |  <div><b>MK22DN512VLH5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 64LQFP<br/>In stock: 94 pcs<br/>RFQ</div>    |
|  <div><b>MK2213FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 221K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                                |  <div><b>MK22DN512VLK5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: Out stock<br/>RFQ</div> |
|  <div><b>MK22DN512VDC5R</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 121BGA<br/>In stock: Out stock<br/>RFQ</div> |  <div><b>MK2262FE-R52</b><br/>Manufacturers: Ohmite<br/>Description: RES 22.6K OHM 1/4W 1% AXIAL<br/>In stock: Out stock<br/>RFQ</div>                              |
|  <div><b>MK22DN512VMC5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 512KB FLASH 121BGA<br/>In stock: 348 pcs<br/>RFQ</div>    |  <div><b>MK22DX128VLF5</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MCU 32BIT 128KB FLASH 48LQFP<br/>In stock: 429 pcs<br/>RFQ</div>   |