

NXP Semiconductors / Freescale



MK10DN512ZVLQ10

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK10DN512ZVLQ10                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 9157 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

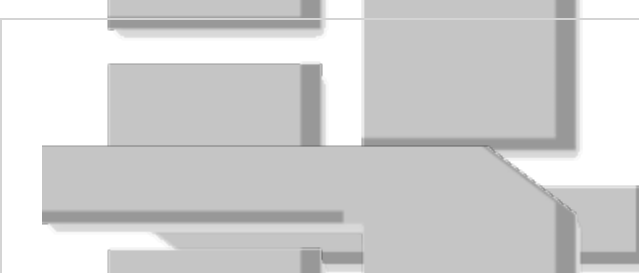
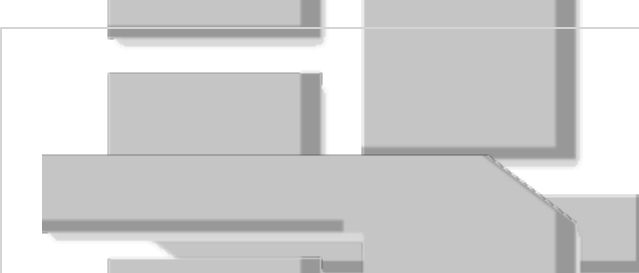
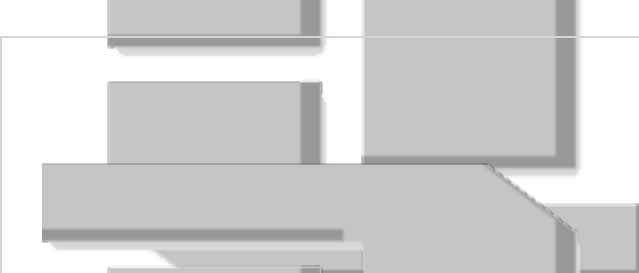
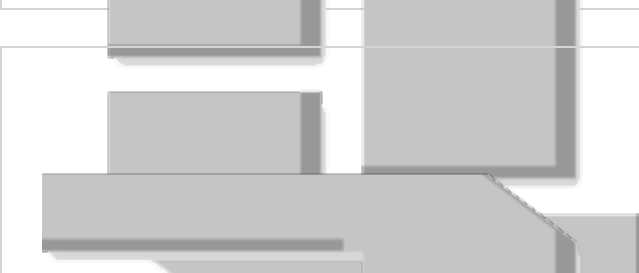
Specifications of MK10DN512ZVLQ10

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK10DN512ZVLQ10                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| QUANTITY AVAILABLE               | 9157 pcs                                                                                             |
| DATA SHEET                       |                                                                                                      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                     |
| SPEED                            | 100MHz                                                                                               |
| SERIES                           | Kinetis K10                                                                                          |
| RAM SIZE                         | 128K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                     |
| PERIPHERALS                      | DMA, I²S, LVD, POR, PWM, WDT                                                                         |
| PACKAGING                        | Tray                                                                                                 |
| PACKAGE / CASE                   | 144-LQFP                                                                                             |
| OTHER NAMES                      | 935325603557                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                   |
| NUMBER OF I/O                    | 104                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| EEPROM SIZE                      | -                                                                                                    |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K10 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 46x16b, D/A 2x12b                                                                                |
| CORE SIZE                        | 32-Bit                                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                      |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART                                                      |
| BASE PART NUMBER                 | MK10DN512                                                                                            |

Related Tags

|                               |                                    |                           |
|-------------------------------|------------------------------------|---------------------------|
| MK10DN512ZVLQ10               | MK10DN512ZVLQ10 Distributor        | MK10DN512ZVLQ10 Supplier  |
| MK10DN512ZVLQ10 Price         | MK10DN512ZVLQ10 Pictures           | MK10DN512ZVLQ10 Image     |
| MK10DN512ZVLQ10 PDF Datasheet | MK10DN512ZVLQ10 Download Datasheet | MK10DN512ZVLQ10 Datasheet |
| MK10DN512ZVLQ10 Stock         | Buy MK10DN512ZVLQ10                | Buy MK10DN512ZVLQ10       |
| MK10DN512ZVLQ10               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                                |                                                                                                                                                    |                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                              | <p><b>MK10DN512ZVMC10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 11386 pcs</p> <p>RFQ</p>  |                                                                                          | <p><b>MK10DN512ZVMD10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 9314 pcs</p> <p>RFQ</p>                                                                                                                  |
|                                                                                              | <p><b>MK10DN64VFT5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 48QFN</p> <p>In stock: 22246 pcs</p> <p>RFQ</p>       |                                                                                          | <p><b>MK10DN512VMD10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 10060 pcs</p> <p>RFQ</p>                                                                                                                  |
|                                                                                              | <p><b>MK10DN512ZVLL10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 8588 pcs</p> <p>RFQ</p>  |                                                                                          | <p><b>MK10DN64VLF5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 48LQFP</p> <p>In stock: 20412 pcs</p> <p>RFQ</p>                                                                                                                     |
|                                                                                              | <p><b>MK10DN512ZVMC10R</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 12777 pcs</p> <p>RFQ</p> |                                                                                                                                                                              |                                                                                                                                                                                                                                                                   |
|                                                                                              | <p><b>MK10DN512ZVLK10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 80LQFP</p> <p>In stock: 10967 pcs</p> <p>RFQ</p>  | <p><b>MK10DN512ZVLK10R</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: IC MCU 32BIT 512KB FLASH 80LQFP</p> <p>In stock: 13344 pcs</p>           | <p><b>MK10DN64VFM5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 64KB FLASH 32QFN</p> <p>In stock: 20302 pcs</p> <p>RFQ</p>                                                                                                                      |
|                                                                                              |                                                                                                                                                    |                                                                                          |                                                                                                                                                                                                                                                                   |
| <p><b>MK10DN512ZVLL10R</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 12822 pcs</p> <p>RFQ</p> | <p><b>Infinitronic Components</b></p> <p>Infinitronic Building, 114-118 Lockhart Road, Wan Chai, Hong Kong</p>                                     | <p><b>MK10DN512ZVMC10R</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 4049 pcs</p> <p>RFQ</p> |    |