

NXP Semiconductors / Freescale



MK52DN512CLQ10

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK52DN512CLQ10                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 7407 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

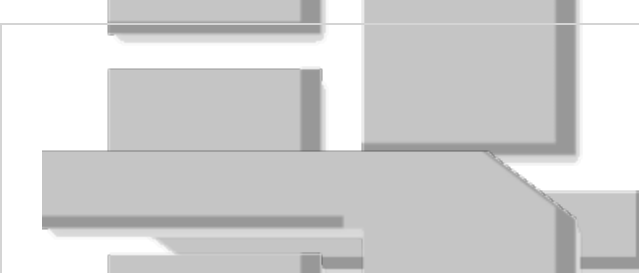
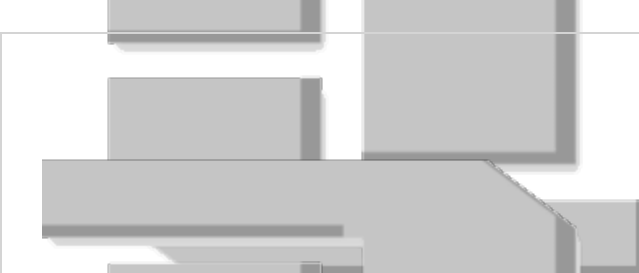
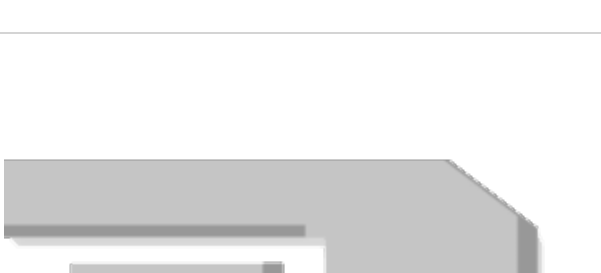
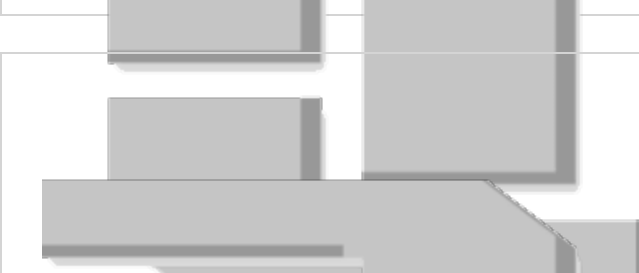
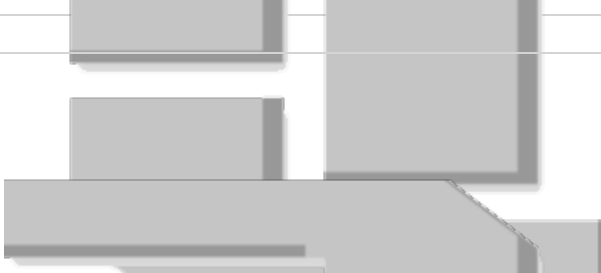
Specifications of MK52DN512CLQ10

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK52DN512CLQ10                                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| QUANTITY AVAILABLE               | 7407 pcs                                                                                             |
| DATA SHEET                       |                                                                                                      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                     |
| SPEED                            | 100MHz                                                                                               |
| SERIES                           | Kinetis K50                                                                                          |
| 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                      | 935319948557                                                                                         |
| OSCILLATOR TYPE                  | Internal                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                    |
| NUMBER OF I/O                    | 96                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| EEPROM SIZE                      | -                                                                                                    |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K50 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 41x16b, D/A 2x12b                                                                                |
| CORE SIZE                        | 32-Bit                                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                      |
| CONNECTIVITY                     | EBI/EMI, Ethernet, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG                                      |
| BASE PART NUMBER                 | MK52DN512                                                                                            |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MK52DN512CLQ10               | MK52DN512CLQ10 Distributor        | MK52DN512CLQ10 Supplier  |
| MK52DN512CLQ10 Price         | MK52DN512CLQ10 Pictures           | MK52DN512CLQ10 Image     |
| MK52DN512CLQ10 PDF Datasheet | MK52DN512CLQ10 Download Datasheet | MK52DN512CLQ10 Datasheet |
| MK52DN512CLQ10 Stock         | Buy MK52DN512CLQ10                | Buy MK52DN512CLQ10       |
| MK52DN512CLQ10               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                                   |                                                                                      |                                                                                                                                                   |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>MK51DX256ZCLL10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 100LQFP</p> <p>In stock: 8478 pcs</p> <p>RFQ</p> |  | <p><b>MK53DN512CMD10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 6713 pcs</p> <p>RFQ</p>   |
|  | <p><b>MK52DN512CMD10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 8039 pcs</p> <p>RFQ</p>   |  | <p><b>MK51DX256ZCMC10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 121BGA</p> <p>In stock: 11742 pcs</p> <p>RFQ</p> |
|  | <p><b>MK52DN512ZCMD10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 8460 pcs</p> <p>RFQ</p>  |  | <p><b>MK51R1FE-R52</b></p> <p>Manufacturers: Ohmite</p> <p>Description: RES 51.1 OHM 1/4W 1% AXIAL</p> <p>In stock: 11053963 pcs</p> <p>RFQ</p>   |
|  | <p><b>MK51DX256CML7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 104BGA</p> <p>In stock: 4495 pcs</p> <p>RFQ</p>    |  | <p><b>MK53DN512ZCLQ10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 6296 pcs</p> <p>RFQ</p> |
|  | <p><b>MK51DX256ZCMB10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 81BGA</p> <p>In stock: 4002 pcs</p> <p>RFQ</p>   |  | <p><b>MK53DN512CLQ10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 6760 pcs</p> <p>RFQ</p>  |
|  | <p><b>MK51DX256CMC7</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 121BGA</p> <p>In stock: 7662 pcs</p> <p>RFQ</p>    |  | <p><b>MK52DN512ZCLQ10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 7953 pcs</p> <p>RFQ</p> |

