

NXP Semiconductors / Freescale

MK20DN512VMD10

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MK20DN512VMD10                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144BGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 9272 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

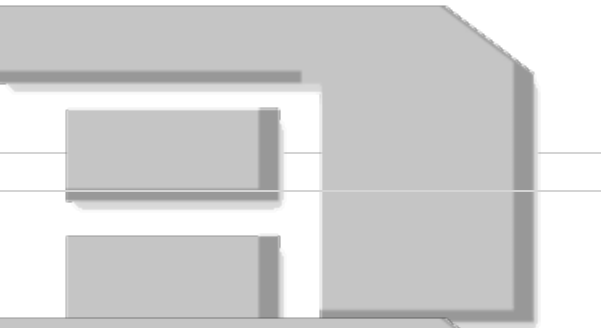
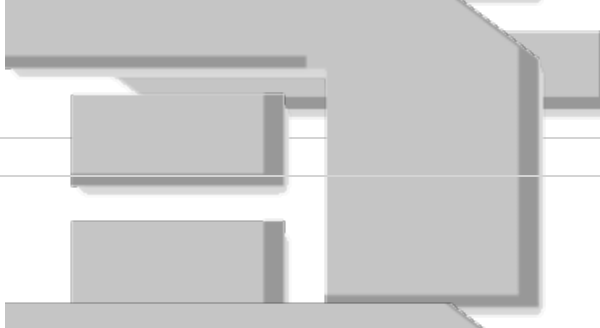
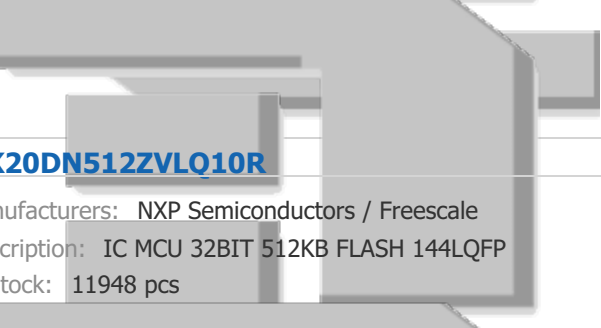
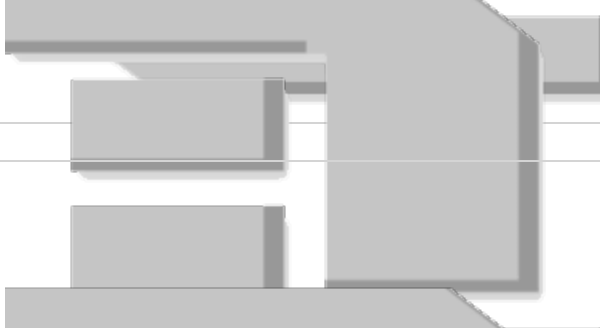
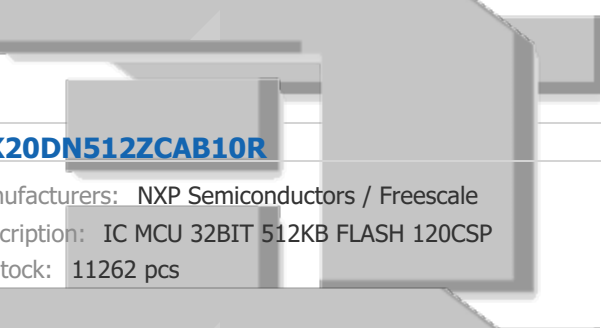
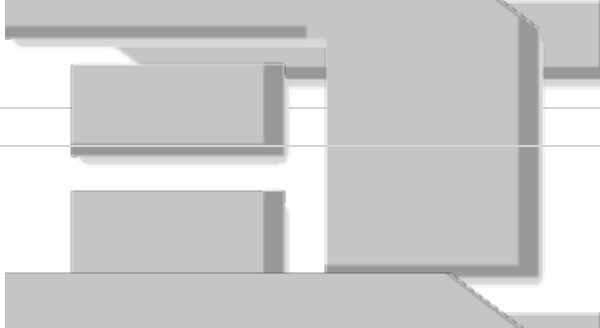
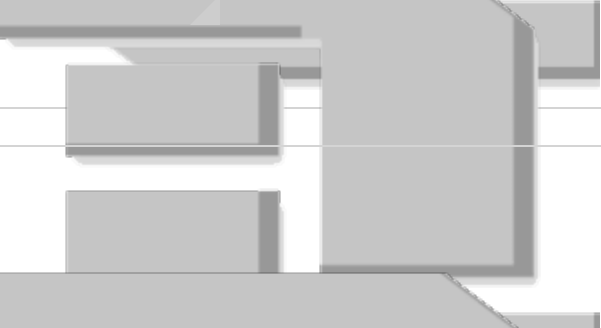
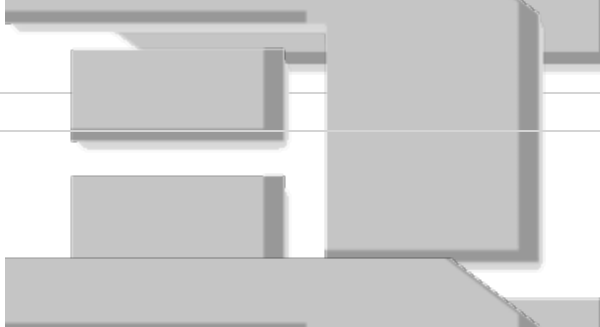
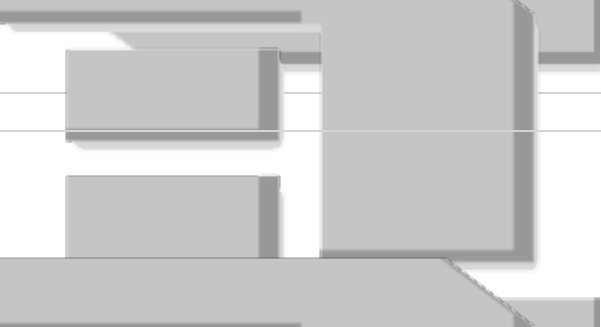
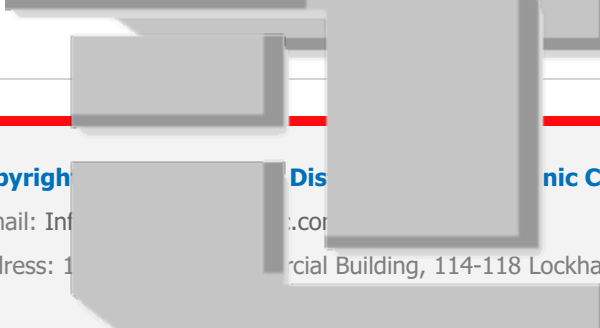
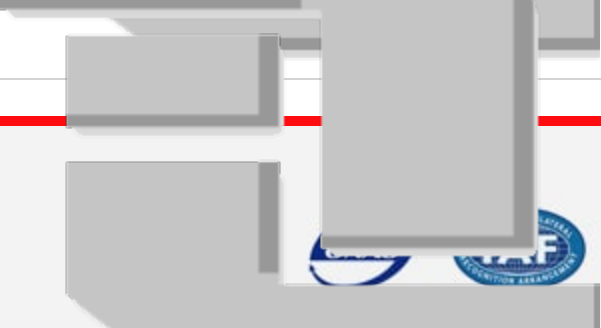
Specifications of MK20DN512VMD10

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MK20DN512VMD10                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144BGA                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 9272 pcs                                                                                               |
| DATA SHEET                       |                                                                                                        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 144-MAPBGA (13x13)                                                                                     |
| SPEED                            | 100MHz                                                                                                 |
| SERIES                           | Kinetis K20                                                                                            |
| 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-LBGA                                                                                               |
| OTHER NAMES                      | 935317669557                                                                                           |
| OSCILLATOR TYPE                  | Internal                                                                                               |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                     |
| NUMBER OF I/O                    | 100                                                                                                    |
| 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 100MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13) |
| DATA CONVERTERS                  | A/D 42x16b, D/A 2x12b                                                                                  |
| CORE SIZE                        | 32-Bit                                                                                                 |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                        |
| CONNECTIVITY                     | CANbus, EBI/EMI, I²C, IrDA, SD, SPI, UART/USART, USB, USB OTG                                          |
| BASE PART NUMBER                 | MK20DN512                                                                                              |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| MK20DN512VMD10               | MK20DN512VMD10 Distributor        | MK20DN512VMD10 Supplier  |
| MK20DN512VMD10 Price         | MK20DN512VMD10 Pictures           | MK20DN512VMD10 Image     |
| MK20DN512VMD10 PDF Datasheet | MK20DN512VMD10 Download Datasheet | MK20DN512VMD10 Datasheet |
| MK20DN512VMD10 Stock         | Buy MK20DN512VMD10                | Buy MK20DN512VMD10       |
| MK20DN512VMD10               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                                   |                                                                                      |                                                                                                                                                                     |
|------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>MK20DN32VMP5</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 32KB FLASH 64MAPBGA</p> <p>In stock: 17336 pcs</p> <p>RFQ</p>   |  | <p><b>MK20DN512ZAB10R</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 120CSP</p> <p>In stock: 5757 pcs</p> <p>RFQ</p>                    |
|  | <p><b>MK20DN512VMC10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 9923 pcs</p> <p>RFQ</p>   |  | <p><b>MK20DN512ZVLQ10R</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 11948 pcs</p> |
|  | <p><b>MK20DN512ZVLL10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 8390 pcs</p> <p>RFQ</p> |  | <p><b>MK20DN512ZCAB10R</b></p> <p>Manufacturers: NXP Semiconductors / Freescale</p> <p>Description: IC MCU 32BIT 512KB FLASH 120CSP</p> <p>In stock: 11262 pcs</p>  |
|  | <p><b>MK20DN512VLL10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 9673 pcs</p> <p>RFQ</p>  |  | <p><b>MK20DN512VLK10R</b></p> <p>Manufacturers: NXP</p> <p>Description: KINETIS K 32-BIT MCU ARM CORTEX</p> <p>In stock: 15567 pcs</p> <p>RFQ</p>                   |
|  | <p><b>MK20DN512ZVLQ10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 6784 pcs</p> <p>RFQ</p> |  | <p><b>MK20DN512ZVLK10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 80LQFP</p> <p>In stock: 8081 pcs</p> <p>RFQ</p>                    |
|  | <p><b>MK20DN512VLK10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 80LQFP</p> <p>In stock: 7592 pcs</p> <p>RFQ</p>   |  | <p><b>MK20DN512VLQ10</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 9410 pcs</p> <p>RFQ</p>                    |