

NXP Semiconductors / Freescale

PK20N512VLK100

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PK20N512VLK100                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 80LQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 4633 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

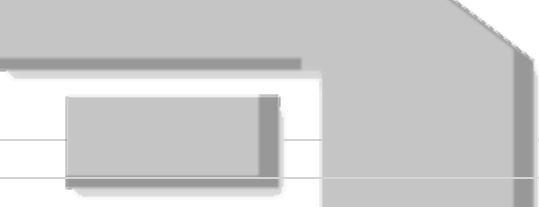
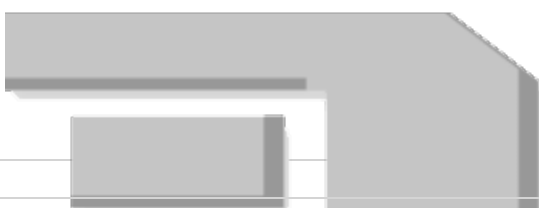
Specifications of PK20N512VLK100

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PK20N512VLK100                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 80LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| QUANTITY AVAILABLE               | 4633 pcs                                                                                            |
| DATA SHEET                       |                                                                                                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                     |
| SPEED                            | 100MHz                                                                                              |
| SERIES                           | Kinetis K20                                                                                         |
| RAM SIZE                         | 128K 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                   | 80-LQFP                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                  |
| NUMBER OF I/O                    | 52                                                                                                  |
| 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 80-LQFP (12x12) |
| DATA CONVERTERS                  | A/D 33x16b, D/A 2x12b                                                                               |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                     |
| CONNECTIVITY                     | CANbus, EBI/EMI, I <sup>2</sup> C, IrDA, SD, SPI, UART/USART, USB, USB OTG                          |
| BASE PART NUMBER                 | PK20N512                                                                                            |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| PK20N512VLK100               | PK20N512VLK100 Distributor        | PK20N512VLK100 Supplier  |
| PK20N512VLK100 Price         | PK20N512VLK100 Pictures           | PK20N512VLK100 Image     |
| PK20N512VLK100 PDF Datasheet | PK20N512VLK100 Download Datasheet | PK20N512VLK100 Datasheet |
| PK20N512VLK100 Stock         | Buy PK20N512VLK100                | Buy PK20N512VLK100       |
| PK20N512VLK100               | Supplier                          | Distributor              |

Related Products

|                                                                                     |                                                                                                                                                  |                                                                                      |                                                                                                                                                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | <p><b>PK20N512VMC100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 3763 pcs</p> <p>RFQ</p>  |   | <p><b>PK2-5MM-102</b></p> <p>Manufacturers: LeCroy (Teledyne LeCroy)</p> <p>Description: PROBE STD GRD LEAD</p> <p>In stock: 6938 pcs</p> <p>RFQ</p>    |
|   | <p><b>PK20N512VLQ100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 4309 pcs</p> <p>RFQ</p> |  | <p><b>PK20N512VMD100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 5275 pcs</p> <p>RFQ</p>         |
|   | <p><b>PK2-56R-T</b></p> <p>Manufacturers: Panduit</p> <p>Description: CONN RING CIRC 2AWG #5/16 CRIMP</p> <p>In stock: 16849 pcs</p> <p>RFQ</p>  |   | <p><b>PK2-5MM-101</b></p> <p>Manufacturers: LeCroy (Teledyne LeCroy)</p> <p>Description: SPRING HOOK FOR PP010</p> <p>In stock: 3622 pcs</p> <p>RFQ</p> |
|   | <p><b>PK20FX512VLQ12</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 7073 pcs</p> <p>RFQ</p> |  | <p><b>PK20N512VLL100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 6516 pcs</p> <p>RFQ</p>        |
|   | <p><b>PK20X128VLQ100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 128KB FLASH 144LQFP</p> <p>In stock: 3191 pcs</p> <p>RFQ</p> |  | <p><b>PK20FX512VMD12</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 5112 pcs</p> <p>RFQ</p>         |
|  | <p><b>PK20</b></p> <p>Manufacturers: Panduit</p> <p>Description: CBL CLIP CONDUIT BLACK BEAM</p> <p>In stock: 91589 pcs</p> <p>RFQ</p>           |  | <p><b>PK20X128VMD100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 128KB FLASH 144BGA</p> <p>In stock: 4392 pcs</p> <p>RFQ</p>         |