

NXP Semiconductors / Freescale

PK30N512VLQ100

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PK30N512VLQ100                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144LQFP                                                                             |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5677 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION



Image may be representation. See specifications for product details.

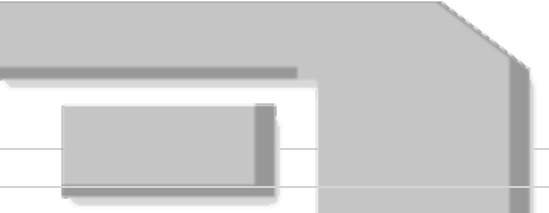
Specifications of PK30N512VLQ100

|                                  |                                                                                                      |
|----------------------------------|------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PK30N512VLQ100                                                                                       |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                       |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| QUANTITY AVAILABLE               | 5677 pcs                                                                                             |
| DATA SHEET                       |                                                                                                      |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                       |
| SUPPLIER DEVICE PACKAGE          | 144-LQFP (20x20)                                                                                     |
| SPEED                            | 100MHz                                                                                               |
| SERIES                           | Kinetis K30                                                                                          |
| RAM SIZE                         | 128K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                                |
| PROGRAM MEMORY SIZE              | 512KB (512K x 8)                                                                                     |
| PERIPHERALS                      | DMA, I <sup>2</sup> S, LCD, LVD, POR, PWM, WDT                                                       |
| PACKAGING                        | Tray                                                                                                 |
| PACKAGE / CASE                   | 144-LQFP                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                             |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TA)                                                                                   |
| NUMBER OF I/O                    | 102                                                                                                  |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                           |
| EEPROM SIZE                      | -                                                                                                    |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K30 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 144-LQFP (20x20) |
| DATA CONVERTERS                  | A/D 31x16b, 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                                         |
| BASE PART NUMBER                 | PK30N512                                                                                             |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| PK30N512VLQ100               | PK30N512VLQ100 Distributor        | PK30N512VLQ100 Supplier  |
| PK30N512VLQ100 Price         | PK30N512VLQ100 Pictures           | PK30N512VLQ100 Image     |
| PK30N512VLQ100 PDF Datasheet | PK30N512VLQ100 Download Datasheet | PK30N512VLQ100 Datasheet |
| PK30N512VLQ100 Stock         | Buy PK30N512VLQ100                | Buy PK30N512VLQ100       |
| PK30N512VLQ100               | Supplier                          | Distributor              |

Related Products

|                                                                                                                                                                                                                                |                                                                                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>PK30X-3</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: BANANA JAW CLIP RE<br/>In stock: 3103 pcs</p> <p>RFQ</p>     |  <p><b>PK3020KB</b><br/>Manufacturers: Tripp Lite<br/>Description: KIT KEYPAD, MOUSE, AND USB HUB<br/>In stock: 4614 pcs</p> <p>RFQ</p>   |
|  <p><b>PK30X-2</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: BANANA ALLIGATOR CLIPS<br/>In stock: 4256 pcs</p> <p>RFQ</p> |  <p><b>PK30X-5</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: BANANA SPADE TERM<br/>In stock: 5423 pcs</p> <p>RFQ</p>   |
|  <p><b>PK30N512VMD100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 6781 pcs</p> <p>RFQ</p>      |  <p><b>PK30N512VLL100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 3775 pcs</p> <p>RFQ</p> |
|  <p><b>PK3022ET</b><br/>Manufacturers: Tripp Lite<br/>Description: KIT CAT5 CABLE MOUSE USB HUB<br/>In stock: 5529 pcs</p> <p>RFQ</p>        |  <p><b>PK3021LI</b><br/>Manufacturers: Tripp Lite<br/>Description: KIT LIGHT, MOUSE, AND USB HUB<br/>In stock: 6377 pcs</p> <p>RFQ</p>    |
|  <p><b>PK30X-4</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: BANANA CLAMP CLIPS<br/>In stock: 2227 pcs</p> <p>RFQ</p>     |  <p><b>PK30X128VLQ100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 144LQFP<br/>In stock: 6120 pcs</p> <p>RFQ</p> |
|  <p><b>PK30X-1</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: BANANA PLUG HOOK<br/>In stock: 3744 pcs</p> <p>RFQ</p>       |  <p><b>PK30N512VLK100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: 3533 pcs</p> <p>RFQ</p>  |