

PK40N512VLK100



Part Number: [PK40N512VLK100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 512KB FLASH 80LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

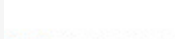
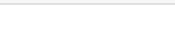
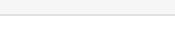
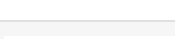
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                |                                |                                                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------|-----------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                              | PK40N512VLK100                                 | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                      |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MCU 32BIT 512KB FLASH 80LQFP                | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                          |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                       | 5050 pcs                                       | Data sheet                     |                                                                                                     |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>      | Voltage - Supply (Vcc/Vdd)     | 1.71 V ~ 3.6 V                                                                                      |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                  | 80-LQFP (12x12)                                | Speed                          | 100MHz                                                                                              |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                   | Kinetis K40                                    | 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                                                                                                                                                                                                                                                                                                                                                                                                                           | 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 K40 Microcontroller IC 32-Bit 100MHz 512KB (512K x 8) FLASH 80-LQFP (12x12) |
| Data Converters                                                                                                                                                                                                                                                                                                                                                                                                                          | A/D 20x16b, D/A 1x12b                          | Core Size                      | 32-Bit                                                                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-M4                                | Connectivity                   | CANbus, I <sup>2</sup> C, IrDA, SD, SPI, UART/USART, USB, USB OTG                                   |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                         | PK40N512                                       |                                |                                                                                                     |
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|  | Part#: <a href="#">PK4-5MM-4</a><br>Description: REPLACEMENT TIP, BLACK QTY 10         | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | RFQ |
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|  | Part#: <a href="#">PK40X256VMD100</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">PK40X128VLQ100</a><br>Description: IC MCU 32BIT 128KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">PK400-2</a><br>Description: PROBE MED GRIPPER .04" 10PCS            | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | RFQ |
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|  | Part#: <a href="#">PK4-5MM-9</a><br>Description: PROBE TIP GND QTY 10                  | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | RFQ |
|  | Part#: <a href="#">PK40X256VLQ100</a><br>Description: IC MCU 32BIT 256KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
|  | Part#: <a href="#">PK4-5MM-6</a><br>Description: IC TIP INSULATOR BLACK QTY 10         | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | RFQ |
|  | Part#: <a href="#">PK400-0</a><br>Description: EXTRA LARGE GRIPPER PROBE SET           | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | RFQ |

Related keywords for PK40N512VLK100

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