

PK20X256VLQ100



Part Number: [PK20X256VLQ100](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MCU 32BIT 256KB FLASH 144LQFP

Data sheet:

RoHs Status: Lead free / RoHS Compliant

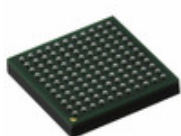
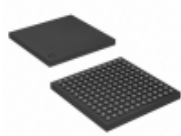
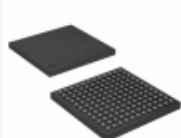
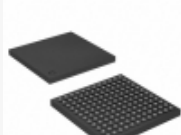
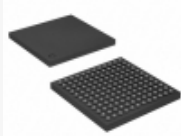
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                           |                                |                                                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | PK20X256VLQ100                            | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                       |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MCU 32BIT 256KB FLASH 144LQFP          | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                           |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4475 pcs                                  | Data sheet                     |                                                                                                      |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a> | Voltage - Supply (Vcc/Vdd)     | 1.71 V ~ 3.6 V                                                                                       |
| Supplier Device Package                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 144-LQFP (20x20)                          | Speed                          | 100MHz                                                                                               |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Kinetis K20                               | RAM Size                       | 64K x 8                                                                                              |
| Program Memory Type                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | FLASH                                     | Program Memory Size            | 256KB (256K x 8)                                                                                     |
| Peripherals                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | DMA, I <sup>2</sup> S, LVD, POR, PWM, WDT | Packaging                      | Tray                                                                                                 |
| Package / Case                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 144-LQFP                                  | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4K x 8                                    | Detailed Description           | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 144-LQFP (20x20) |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | PK20X256                                  |                                |                                                                                                      |
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|  | Part#: <a href="#">PK21DX256VMB5</a><br>Description: IC MCU 32BIT 256KB FLASH 121BGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK22DN512VLH5</a><br>Description: IC MCU 32BIT 512KB FLASH 64LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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|  | Part#: <a href="#">PK25-D5-D15</a><br>Description: DC DC CONVERTER +/-15V 25W          | Manufacturers: <a href="#">CUI, Inc.</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">PK25-D5-D12</a><br>Description: DC DC CONVERTER +/-12V 25W          | Manufacturers: <a href="#">CUI, Inc.</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">PK20N512VLL100</a><br>Description: IC MCU 32BIT 512KB FLASH 100LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20N512VLK100</a><br>Description: IC MCU 32BIT 512KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20FX512VMD12</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20X128VLQ100</a><br>Description: IC MCU 32BIT 128KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20N512VMC100</a><br>Description: IC MCU 32BIT 512KB FLASH 121BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20X256VMD100</a><br>Description: IC MCU 32BIT 256KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20FX512VLQ12</a><br>Description: IC MCU 32BIT 512KB FLASH 144LQFP | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK22DN512VLK5</a><br>Description: IC MCU 32BIT 512KB FLASH 80LQFP   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK2-5MM-102</a><br>Description: PROBE STD GRD LEAD                  | Manufacturers: <a href="#">LeCroy (Teledyne LeCroy)</a>       | <div>RFQ</div> |
|  | Part#: <a href="#">PK20X128VMD100</a><br>Description: IC MCU 32BIT 128KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK25-D5-S12</a><br>Description: DC DC CONVERTER 12V 25W             | Manufacturers: <a href="#">CUI, Inc.</a>                      | <div>RFQ</div> |
|  | Part#: <a href="#">PK20N512VMD100</a><br>Description: IC MCU 32BIT 512KB FLASH 144BGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">PK20X256VLK100</a><br>Description: IC MCU 32BIT 256KB FLASH 80LQFP  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
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