

NXP Semiconductors / Freescale

PK20FX512VMD12

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PK20FX512VMD12                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 512KB FLASH 144BGA                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5112 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

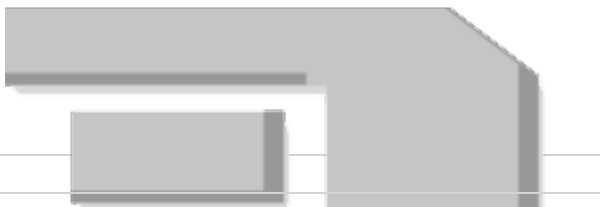
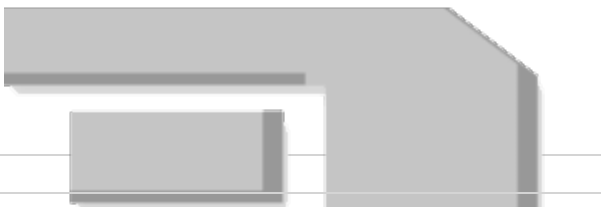
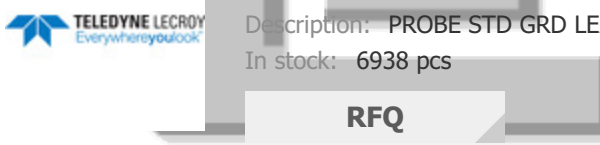
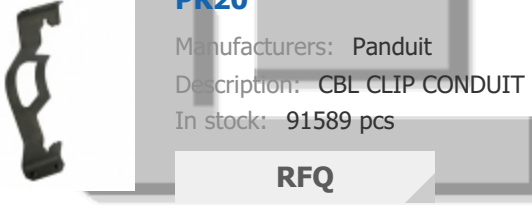
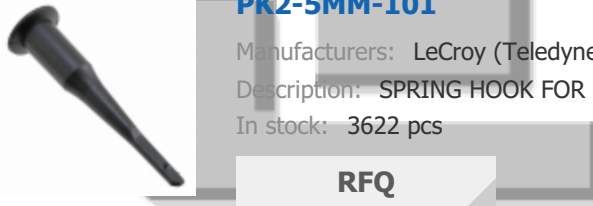
Specifications of PK20FX512VMD12

|                                  |                                                                                                        |
|----------------------------------|--------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PK20FX512VMD12                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                         |
| DESCRIPTION                      | IC MCU 32BIT 512KB FLASH 144BGA                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                             |
| QUANTITY AVAILABLE               | 5112 pcs                                                                                               |
| DATA SHEET                       |                                                                                                        |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                         |
| SUPPLIER DEVICE PACKAGE          | 144-MAPBGA (13x13)                                                                                     |
| SPEED                            | 120MHz                                                                                                 |
| 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                                                                                               |
| 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                      | 16K x 8                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-M4 Kinetis K20 Microcontroller IC 32-Bit 120MHz 512KB (512K x 8) FLASH 144-MAPBGA (13x13) |
| DATA CONVERTERS                  | A/D 45x16b, 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                 | PK20FX512                                                                                              |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| PK20FX512VMD12               | PK20FX512VMD12 Distributor        | PK20FX512VMD12 Supplier  |
| PK20FX512VMD12 Price         | PK20FX512VMD12 Pictures           | PK20FX512VMD12 Image     |
| PK20FX512VMD12 PDF Datasheet | PK20FX512VMD12 Download Datasheet | PK20FX512VMD12 Datasheet |
| PK20FX512VMD12 Stock         | Buy PK20FX512VMD12                | Buy PK20FX512VMD12       |
| PK20FX512VMD12               | Supplier                          | Distributor              |

Related Products

|                                                                                                                                                                                                                                |                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <p><b>PK20N512VMD100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144BGA<br/>In stock: 5275 pcs</p> <p>RFQ</p>      |  <p><b>PK20N512VLK100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 80LQFP<br/>In stock: 4633 pcs</p> <p>RFQ</p>         |
|  <p><b>PK2-5MM-102</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: PROBE STD GRD LEAD<br/>In stock: 6938 pcs</p> <p>RFQ</p> |  <p><b>PK20</b><br/>Manufacturers: Panduit<br/>Description: CBL CLIP CONDUIT BLACK BEAM<br/>In stock: 91589 pcs</p> <p>RFQ</p>                  |
|  <p><b>PK20N512VMC100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 121BGA<br/>In stock: 3763 pcs</p> <p>RFQ</p>      |  <p><b>PK2-56R-T</b><br/>Manufacturers: Panduit<br/>Description: CONN RING CIRC 2AWG #5/16 CRIMP<br/>In stock: 16849 pcs</p> <p>RFQ</p>          |
|  <p><b>PK20N512VLL100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 100LQFP<br/>In stock: 6516 pcs</p> <p>RFQ</p>     |  <p><b>PK20FX512VLQ12</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 7073 pcs</p> <p>RFQ</p>        |
|  <p><b>PK20N512VLQ100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 512KB FLASH 144LQFP<br/>In stock: 4309 pcs</p> <p>RFQ</p>     |  <p><b>PK2-5MM-101</b><br/>Manufacturers: LeCroy (Teledyne LeCroy)<br/>Description: SPRING HOOK FOR PP010<br/>In stock: 3622 pcs</p> <p>RFQ</p> |
|  <p><b>PK2-38R-T</b><br/>Manufacturers: Panduit<br/>Description: CONN RING CIRC 2AWG #3/8 CRIMP<br/>In stock: 21935 pcs</p> <p>RFQ</p>       |  <p><b>PK20X128VLQ100</b><br/>Manufacturers: NXP<br/>Description: IC MCU 32BIT 128KB FLASH 144LQFP<br/>In stock: 3191 pcs</p> <p>RFQ</p>        |

