

NXP Semiconductors / Freescale

PK50X256CLK100

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | PK50X256CLK100                                                                                               |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MCU 32BIT 256KB FLASH 80LQFP                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 3575 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.

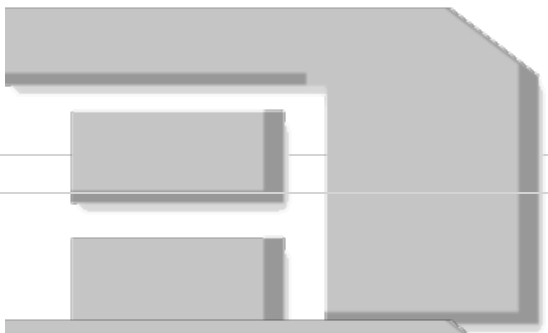
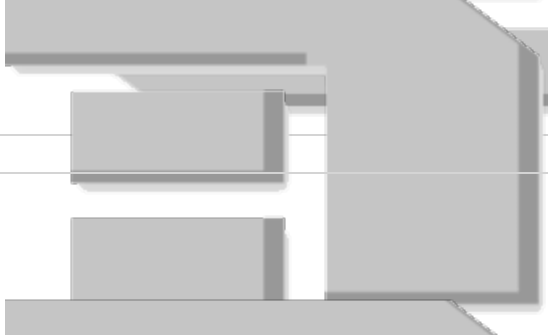
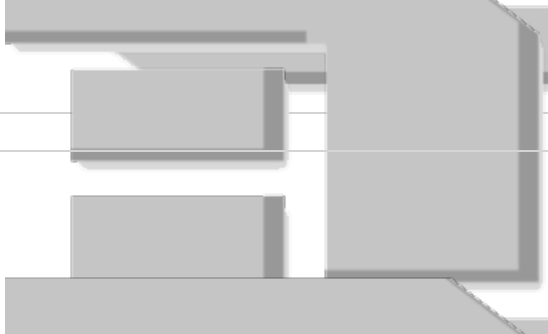
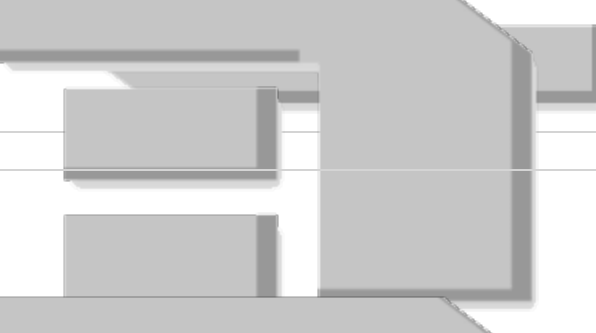
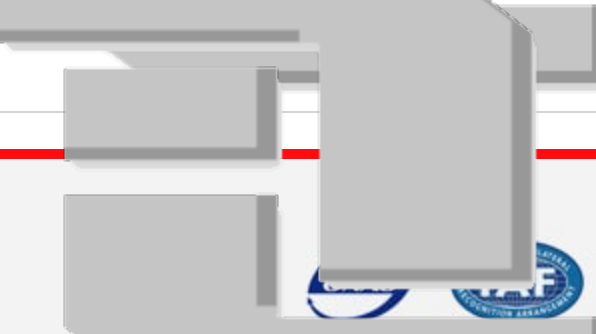
Specifications of PK50X256CLK100

|                                  |                                                                                                     |
|----------------------------------|-----------------------------------------------------------------------------------------------------|
| PART NUMBER                      | PK50X256CLK100                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                      |
| DESCRIPTION                      | IC MCU 32BIT 256KB FLASH 80LQFP                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                          |
| QUANTITY AVAILABLE               | 3575 pcs                                                                                            |
| DATA SHEET                       |                                                                                                     |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.71 V ~ 3.6 V                                                                                      |
| SUPPLIER DEVICE PACKAGE          | 80-LQFP (12x12)                                                                                     |
| SPEED                            | 100MHz                                                                                              |
| SERIES                           | Kinetis K50                                                                                         |
| RAM SIZE                         | 64K x 8                                                                                             |
| PROGRAM MEMORY TYPE              | FLASH                                                                                               |
| PROGRAM MEMORY SIZE              | 256KB (256K x 8)                                                                                    |
| PERIPHERALS                      | DMA, I²S, LVD, POR, PWM, WDT                                                                        |
| PACKAGING                        | Tray                                                                                                |
| PACKAGE / CASE                   | 80-LQFP                                                                                             |
| OSCILLATOR TYPE                  | Internal                                                                                            |
| OPERATING TEMPERATURE            | -40°C ~ 85°C (TA)                                                                                   |
| NUMBER OF I/O                    | 39                                                                                                  |
| 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 K50 Microcontroller IC 32-Bit 100MHz 256KB (256K x 8) FLASH 80-LQFP (12x12) |
| DATA CONVERTERS                  | A/D 23x16b, D/A 2x12b                                                                               |
| CORE SIZE                        | 32-Bit                                                                                              |
| CORE PROCESSOR                   | ARM® Cortex®-M4                                                                                     |
| CONNECTIVITY                     | EBI/EMI, I²C, IrDA, SPI, UART/USART, USB, USB OTG                                                   |
| BASE PART NUMBER                 | PK50X256                                                                                            |

Related Tags

|                              |                                   |                          |
|------------------------------|-----------------------------------|--------------------------|
| PK50X256CLK100               | PK50X256CLK100 Distributor        | PK50X256CLK100 Supplier  |
| PK50X256CLK100 Price         | PK50X256CLK100 Pictures           | PK50X256CLK100 Image     |
| PK50X256CLK100 PDF Datasheet | PK50X256CLK100 Download Datasheet | PK50X256CLK100 Datasheet |
| PK50X256CLK100 Stock         | Buy PK50X256CLK100                | Buy PK50X256CLK100       |
| PK50X256CLK100               | Supplier                          | Distributor              |

Related Products

|                                                                                    |                                                                                                                                                                          |                                                                                      |                                                                                                                                                                          |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>PK50N512CLQ100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144LQFP</p> <p>In stock: 3935 pcs</p> <p>RFQ</p>                         |   | <p><b>PK51-F-LC</b></p> <p>Manufacturers: N/A</p> <p>Description: PK51 FLOATING LC</p> <p>In stock: 22 pcs</p> <p>RFQ</p>                                                |
|  | <p><b>PK50N512CLL100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 100LQFP</p> <p>In stock: 4098 pcs</p> <p>RFQ</p>                         |   | <p><b>PK51</b></p> <p>Manufacturers: N/A</p> <p>Description: KIT PROFESSIONAL DEVELOPER 8051</p> <p>In stock: 25 pcs</p> <p>RFQ</p>                                      |
|  | <p><b>PK50N512CMC100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 121BGA</p> <p>In stock: 3928 pcs</p> <p>RFQ</p>                          |   | <p><b>PK50B1/4</b></p> <p>Manufacturers: Agastat Relays / TE Connectivity</p> <p>Description: KNOB KNURLED W/SKRT 0.250" PLAST</p> <p>In stock: 42203 pcs</p> <p>RFQ</p> |
|  | <p><b>PK50X256CLL100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 100LQFP</p> <p>In stock: 3883 pcs</p> <p>RFQ</p>                         |  | <p><b>PK51-DONGLE-UGD</b></p> <p>Manufacturers: N/A</p> <p>Description: KIT PROFESSIONAL DEVELOPER 8051</p> <p>In stock: 143 pcs</p> <p>RFQ</p>                          |
|  | <p><b>PK50X256CMC100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 256KB FLASH 121BGA</p> <p>In stock: 5645 pcs</p> <p>RFQ</p>                          |  | <p><b>PK51-LC</b></p> <p>Manufacturers: N/A</p> <p>Description: PK51 PROFESSIONAL DEV KIT LC</p> <p>In stock: 28 pcs</p> <p>RFQ</p>                                      |
|  | <p><b>PK50B1/8</b></p> <p>Manufacturers: Agastat Relays / TE Connectivity</p> <p>Description: KNOB KNURLED W/SKRT 0.126" PLAST</p> <p>In stock: 48921 pcs</p> <p>RFQ</p> |  | <p><b>PK50N512CMD100</b></p> <p>Manufacturers: NXP</p> <p>Description: IC MCU 32BIT 512KB FLASH 144BGA</p> <p>In stock: 4716 pcs</p> <p>RFQ</p>                          |

