



NXP Semiconductors / Freescale

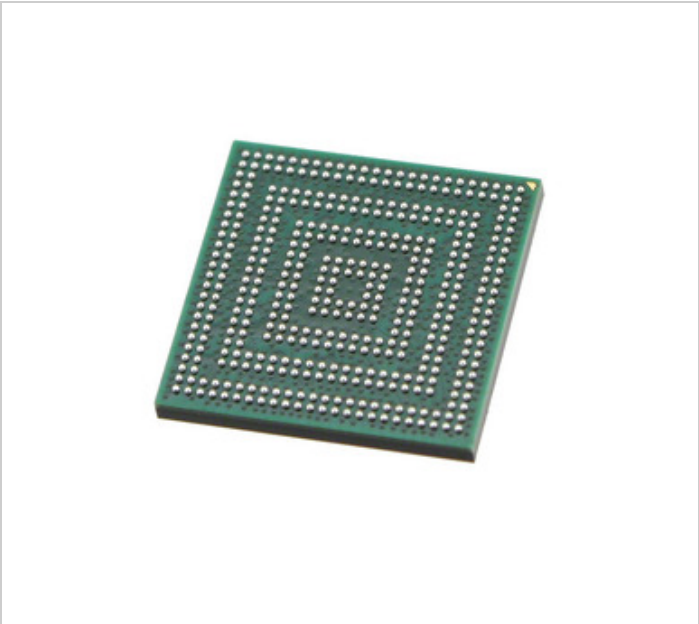


Image may be representation. See specifications for product details.

MCIMX502CVK8B

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX502CVK8B                                                                                                |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX50 800MHZ 416MAPBGA                                                                               |
|                     |  1.MCIMX502CVK8B.pdf        |
|                     |  2.MCIMX502CVK8B.pdf        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

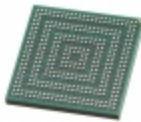
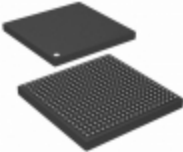
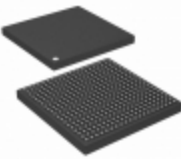
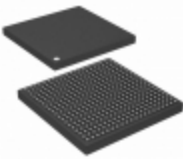
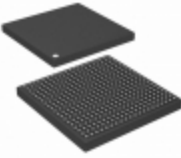
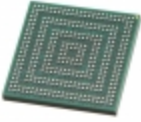
Specifications of MCIMX502CVK8B

|                                  |                                                                                                                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX502CVK8B                                                                                                                                                                                                      |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                     |
| DESCRIPTION                      | IC MPU I.MX50 800MHZ 416MAPBGA                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| DATA SHEET                       |  1.MCIMX502CVK8B.pdf<br> 2.MCIMX502CVK8B.pdf |
| VOLTAGE - I/O                    | 1.2V, 1.875V, 2.775V, 3.0V                                                                                                                                                                                         |
| USB                              | USB 2.0 + PHY (2)                                                                                                                                                                                                  |
| SPEED                            | 800MHz                                                                                                                                                                                                             |
| SERIES                           | i.MX50                                                                                                                                                                                                             |
| SECURITY FEATURES                | Boot Security, Cryptography, Secure JTAG                                                                                                                                                                           |
| SATA                             | -                                                                                                                                                                                                                  |
| RAM CONTROLLERS                  | LPDDR, LPDDR2, DDR2                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                               |
| PACKAGE / CASE                   | 416-LFBGA                                                                                                                                                                                                          |
| OTHER NAMES                      | 93532328557                                                                                                                                                                                                        |
| OPERATING TEMPERATURE            | 0°C ~ 70°C (TA)                                                                                                                                                                                                    |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                                                                     |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                         |
| GRAPHICS ACCELERATION            | Yes                                                                                                                                                                                                                |
| ETHERNET                         | 10/100 Mbps (1)                                                                                                                                                                                                    |
| DISPLAY & INTERFACE CONTROLLERS  | LCD                                                                                                                                                                                                                |
| DETAILED DESCRIPTION             | ARM® Cortex®-A8 Microprocessor IC i.MX50 1 Core, 32-Bit 800MHz                                                                                                                                                     |
| CORE PROCESSOR                   | ARM® Cortex®-A8                                                                                                                                                                                                    |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                                                                                                                                                             |
| BASE PART NUMBER                 | MCIMX502                                                                                                                                                                                                           |
| ADDITIONAL INTERFACES            | 1-Wire, AC'97, I²C, I²S, MMC/SD, SPI, SSI, UART                                                                                                                                                                    |

Related Tags

|                                              |                                         |                                                  |
|----------------------------------------------|-----------------------------------------|--------------------------------------------------|
| NXP Semiconductors / Freescale MCIMX502CVK8B | MCIMX502CVK8B Distributor               | MCIMX502CVK8B Supplier                           |
| MCIMX502CVK8B Price                          | MCIMX502CVK8B Pictures                  | MCIMX502CVK8B Image                              |
| MCIMX502CVK8B PDF Datasheet                  | MCIMX502CVK8B Download Datasheet        | MCIMX502CVK8B Datasheet                          |
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| NXP Semiconductors / Freescale MCIMX502CVK8B | NXP Semiconductors MCIMX502CVK8B        | Freescale MCIMX502CVK8B                          |
| Freescale Semiconductor - NXP MCIMX502CVK8B  | NXP USA Inc. MCIMX502CVK8B              |                                                  |

Related Products

|                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                    |
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|  <div><b>MCIMX503CVK8B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 416MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MCIMX35LPDK</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT DEVELOPMENT I.MX35<br/>In stock: Out stock<br/><div>RFQ</div></div>             |
|  <div><b>MCIMX35WPKDJ</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: BOARD DEV FOR I.MX35<br/>In stock: Out stock<br/><div>RFQ</div></div>              |  <div><b>MCIMX35LPDKJ</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT DEVELOPMENT I.MX35J<br/>In stock: 1 pcs<br/><div>RFQ</div></div>               |
|  <div><b>MCIMX35PDKCPUJ</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT DEV MX35CPU CARD LINUX<br/>In stock: Out stock<br/><div>RFQ</div></div>      |  <div><b>MCIMX503CVM8B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 400MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MCIMX502CVM8B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 400MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MCIMX502EVM8B</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 400MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MCIMX503CVM8BR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 400MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MCIMX503CVK8BR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX50 800MHZ 416MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MCIMX35PDKCPU</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT DEV MX35CPU CARD LINUX<br/>In stock: Out stock<br/><div>RFQ</div></div>       |  <div><b>MCIMX35WPKD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT DEVELOPMENT I.MX35 WINCE PDK<br/>In stock: Out stock<br/><div>RFQ</div></div>   |