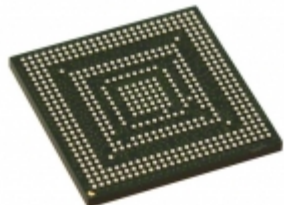


MCIMX31LDVKN5D



Part Number: [MCIMX31LDVKN5D](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX31 532MHZ 457MAPBGA

Data sheet:  [MCIMX31\(L\)](#)

RoHs Status: Lead free / RoHS Compliant

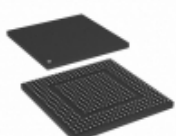
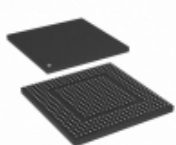
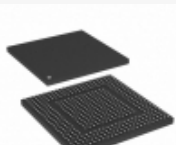
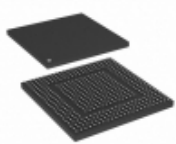
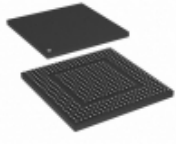
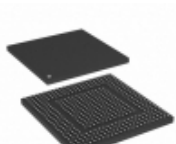
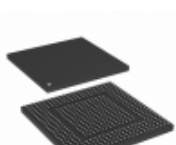
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
Buy MCIMX31LDVKN5D with confidence from  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                  |                                  |                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MCIMX31LDVKN5D                                                                                                   | Manufacturer                     | <a href="#">NXP Semiconductors / Freescale</a>                            |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | IC MPU I.MX31 532MHZ 457MAPBGA                                                                                   | Lead Free Status / RoHS Status   | Lead free / RoHS Compliant                                                |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4596 pcs                                                                                                         | Data sheet                       | <a href="#">MCIMX31(L)</a>                                                |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <a href="#">Integrated Circuits (ICs)</a>                                                                        | Voltage - I/O                    | 1.8V, 2.0V, 2.5V, 2.7V, 3.0V                                              |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | USB 2.0 (3)                                                                                                      | Speed                            | 532MHz                                                                    |
| Series                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | i.MX31                                                                                                           | Security Features                | Random Number Generator, RTIC, Secure Fusebox, Secure JTAG, Secure Memory |
| SATA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | -                                                                                                                | RAM Controllers                  | DDR                                                                       |
| Packaging                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Tray                                                                                                             | Package / Case                   | 457-LFBGA                                                                 |
| Other Names                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 935314018557                                                                                                     | Operating Temperature            | -20°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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | -                                                                                                                | Display & Interface Controllers  | Keyboard, Keypad, LCD                                                     |
| Detailed Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | ARM1136JF-S Microprocessor IC i.MX31 1 Core, 32-Bit 532MHz                                                       | Core Processor                   | ARM1136JF-S                                                               |
| Co-Processors/DSP                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Multimedia; GPU, IPU, MPEG-4, VFP                                                                                | Base Part Number                 | MCIMX31                                                                   |
| Additional Interfaces                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 1-Wire, AC97, ATA, FIR, I <sup>2</sup> C, I <sup>2</sup> S, MMC/SD/SDIO, MSHC, PCMCIA, SDHC, SIM, SPI, SSI, UART |                                  |                                                                           |
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| RELATED PRODUCTS                                                                   |                                                                                        |                                                               |                |
|------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCIMX31LCVMN4D</a><br>Description: IC MPU I.MX31 400MHZ 473MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LITEKITC</a><br>Description: BOARD DEV FOR I.MX31            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LVKN5</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LDVMN5D</a><br>Description: IC MPU I.MX31 532MHZ 473MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVKN5C</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LDVKN5DR2</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVKN5CR2</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LITEKIT</a><br>Description: EVAL BOARD FOR I.MX31 MPV        | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LVKN5C</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVMN4C</a><br>Description: IC MPU I.MX31 400MHZ 473MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LDVMN5DR2</a><br>Description: IC MPU I.MX31 532MHZ 473MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31DVMN5D</a><br>Description: IC MPU I.MX31 532MHZ 473MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LPDK</a><br>Description: KIT DEV I.MX31 FOR LINUX            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVKN5D</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVMN4DR2</a><br>Description: IC MPU I.MX31 400MHZ 473MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVKN5DR2</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LVKN5BR2</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31DVMN5DR2</a><br>Description: IC MPU I.MX31 532MHZ 473MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LCVMN4CR2</a><br>Description: IC MPU I.MX31 400MHZ 473MAPBGA | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX31LVKN5B</a><br>Description: IC MPU I.MX31 532MHZ 457MAPBGA    | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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