

MCIMX31CVKN5D

|                     |                                                                                                                     |
|---------------------|---------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX31CVKN5D                                                                                                       |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                      |
| Product description | IC MPU I.MX31 532MHZ 457MAPBGA                                                                                      |
| Datasheets:         |  <a href="#">MCIMX31CVKN5D.pdf</a> |
| RoHs Status         |  Lead free / RoHS Compliant        |
| Ship From           | Hong Kong                                                                                                           |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                               |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

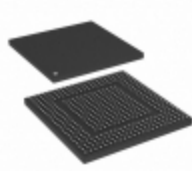
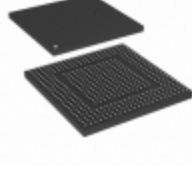
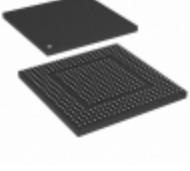
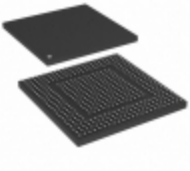
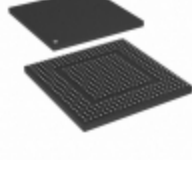
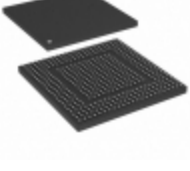
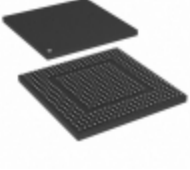
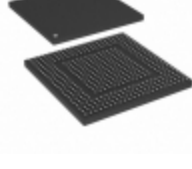
Specifications of MCIMX31CVKN5D

|                                  |                                                                                                                       |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX31CVKN5D                                                                                                         |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                        |
| DESCRIPTION                      | IC MPU I.MX31 532MHZ 457MAPBGA                                                                                        |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                            |
| DATA SHEET                       |  <a href="#">MCIMX31CVKN5D.pdf</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                      | 935314015557                                                                                                          |
| OPERATING TEMPERATURE            | -40°C ~ 85°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      |

Related Tags

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| Freescale Semiconductor - NXP MCIMX31CVKN5D  | NXP USA Inc. MCIMX31CVKN5D              |                                                  |

Related Products

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|  <div><b>MCIMX31CVMN4CR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MCIMX31CVKN5CR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 532MHZ 457MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MCIMX31CJMN4CR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MCIMX31CJMN4DR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MCIMX31CVKN5C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 532MHZ 457MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MCIMX31CVMN4D</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MCIMX31CJMN4C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |  <div><b>MCIMX31CVMN4C</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MCIMX31DVKN5D</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 532MHZ 457MAPBGA<br/>In stock: 760 pcs<br/><div>RFQ</div></div>     |  <div><b>MCIMX31CJMN4D</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>   |
|  <div><b>MCIMX31CVMN4DR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 400MHZ 473MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MCIMX31CVKN5DR2</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX31 532MHZ 457MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |