



### MCIMX6L2DVN10AA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6L2DVN10AA                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6SL 1.0GHZ 432MAPBGA                                                                              |
|                     |  1.MCIMX6L2DVN10AA.pdf      |
|                     |  2.MCIMX6L2DVN10AA.pdf      |
|                     |  3.MCIMX6L2DVN10AA.pdf      |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

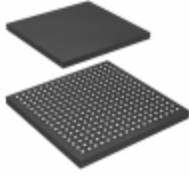
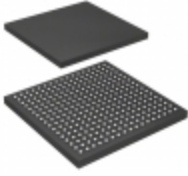
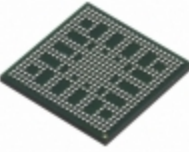
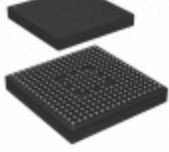
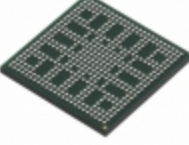
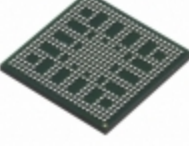
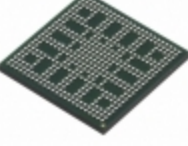
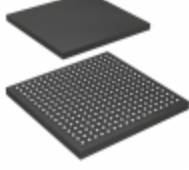
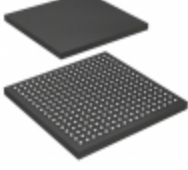
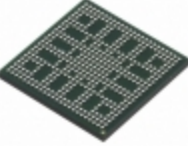
### Specifications of MCIMX6L2DVN10AA

|                                  |                                                                                                                                                                                                                                                                                                                                     |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6L2DVN10AA                                                                                                                                                                                                                                                                                                                     |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                                                                                                                                                                      |
| DESCRIPTION                      | IC MPU I.MX6SL 1.0GHZ 432MAPBGA                                                                                                                                                                                                                                                                                                     |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                                                                                                                                                                          |
| DATA SHEET                       |  1.MCIMX6L2DVN10AA.pdf<br> 2.MCIMX6L2DVN10AA.pdf<br> 3.MCIMX6L2DVN10AA.pdf |
| VOLTAGE - I/O                    | 1.2V, 1.8V, 3.0V                                                                                                                                                                                                                                                                                                                    |
| USB                              | USB 2.0 + PHY (3)                                                                                                                                                                                                                                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 432-MAPBGA (13x13)                                                                                                                                                                                                                                                                                                                  |
| SPEED                            | 1.0GHz                                                                                                                                                                                                                                                                                                                              |
| SERIES                           | i.MX6SL                                                                                                                                                                                                                                                                                                                             |
| SECURITY FEATURES                | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection                                                                                                                                                                                                                 |
| SATA                             | -                                                                                                                                                                                                                                                                                                                                   |
| RAM CONTROLLERS                  | LPDDR2, LVDDR3, DDR3                                                                                                                                                                                                                                                                                                                |
| PACKAGING                        | Tray                                                                                                                                                                                                                                                                                                                                |
| PACKAGE / CASE                   | 432-TFBGA                                                                                                                                                                                                                                                                                                                           |
| OPERATING TEMPERATURE            | 0°C ~ 95°C (TJ)                                                                                                                                                                                                                                                                                                                     |
| 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  | Keypad, LCD                                                                                                                                                                                                                                                                                                                         |
| DETAILED DESCRIPTION             | ARM® Cortex®-A9 Microprocessor IC i.MX6SL 1 Core, 32-Bit 1.0GHz 432-MAPBGA (13x13)                                                                                                                                                                                                                                                  |
| CORE PROCESSOR                   | ARM® Cortex®-A9                                                                                                                                                                                                                                                                                                                     |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                                                                                                                                                                                                                                                                              |
| BASE PART NUMBER                 | MCIMX6                                                                                                                                                                                                                                                                                                                              |
| ADDITIONAL INTERFACES            | AC97, I²C, I²S, MMC/SD/SDIO, SPI, SSI, UART                                                                                                                                                                                                                                                                                         |

### Related Tags

|                                                |                                         |                                                    |
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| Freescale Semiconductor - NXP MCIMX6L2DVN10AA  | NXP USA Inc. MCIMX6L2DVN10AA            |                                                    |

### Related Products

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|  <div><b>MCIMX6G3DVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: 122 pcs<br/><div>RFQ</div></div>       |  <div><b>MCIMX6G3CVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>MCIMX6L2DVN10AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6SL 1.0GHZ 432MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  |  <div><b>MCIMX6G3DVK05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: 163 pcs<br/><div>RFQ</div></div>      |
|  <div><b>MCIMX6L2EVN10AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6SL 1.0GHZ 432MAPBGA<br/>In stock: 320 pcs<br/><div>RFQ</div></div>    |  <div><b>MCIMX6G3DVK05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>    |
|  <div><b>MCIMX6L2EVN10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6SL ROM PERF ENHAN<br/>In stock: 160 pcs<br/><div>RFQ</div></div>            |  <div><b>MCIMX6L2EVN10AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6SL 1.0GHZ 432MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
|  <div><b>MCIMX6G3DVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: Out stock<br/><div>RFQ</div></div>     |  <div><b>MCIMX6G3CVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6UL 289BGA<br/>In stock: 162 pcs<br/><div>RFQ</div></div>             |
|  <div><b>MCIMX6L2EVN10ABR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6 SERIES 32-BIT MPU ARM CO<br/>In stock: Out stock<br/><div>RFQ</div></div> |  <div><b>MCIMX6L2DVN10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6SL ROM PERF ENHAN<br/>In stock: 150 pcs<br/><div>RFQ</div></div>           |