



NXP Semiconductors / Freescale

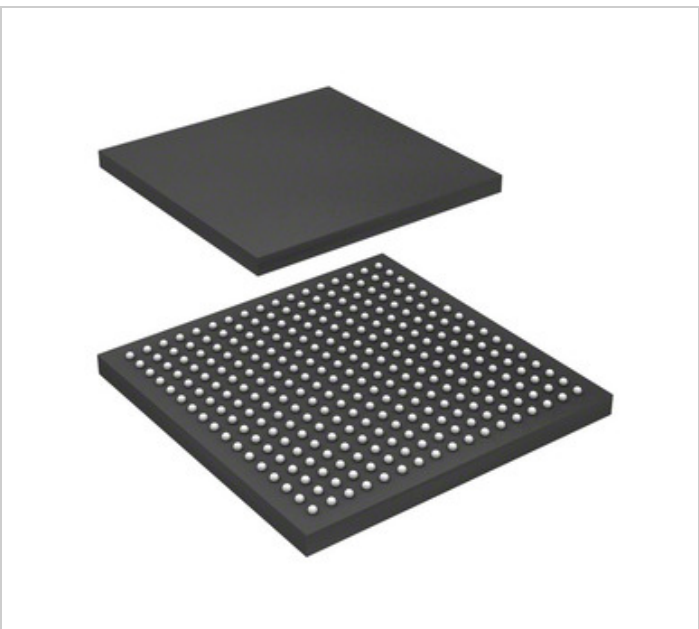


Image may be representation. See specifications for product details.

MCIMX6G2CVM05AB

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6G2CVM05AB                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6UL 289BGA                                                                                        |
|                     | <a href="#">1.MCIMX6G2CVM05AB.pdf</a>                                                                        |
|                     | <a href="#">2.MCIMX6G2CVM05AB.pdf</a>                                                                        |
|                     | <a href="#">3.MCIMX6G2CVM05AB.pdf</a>                                                                        |
|                     | <a href="#">4.MCIMX6G2CVM05AB.pdf</a>                                                                        |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

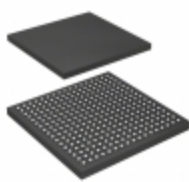
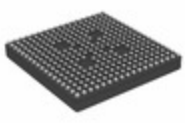
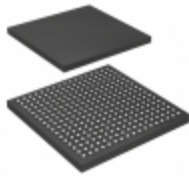
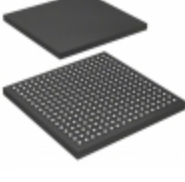
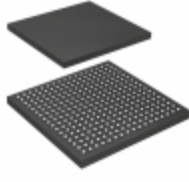
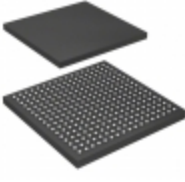
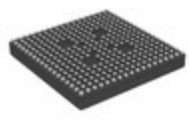
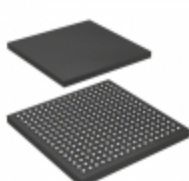
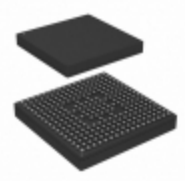
Specifications of MCIMX6G2CVM05AB

|                                  |                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6G2CVM05AB                                                                                                                                                  |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                   |
| DESCRIPTION                      | IC MPU I.MX6UL 289BGA                                                                                                                                            |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| DATA SHEET                       | <a href="#">1.MCIMX6G2CVM05AB.pdf</a><br><a href="#">2.MCIMX6G2CVM05AB.pdf</a><br><a href="#">3.MCIMX6G2CVM05AB.pdf</a><br><a href="#">4.MCIMX6G2CVM05AB.pdf</a> |
| VOLTAGE - I/O                    | 1.2V, 1.35V, 1.5V, 1.8V, 2.5V, 2.8V, 3.3V                                                                                                                        |
| USB                              | USB 2.0 + PHY (2)                                                                                                                                                |
| SUPPLIER DEVICE PACKAGE          | 289-MAPBGA (14x14)                                                                                                                                               |
| SPEED                            | 528MHz                                                                                                                                                           |
| SERIES                           | i.MX6UL                                                                                                                                                          |
| SECURITY FEATURES                | ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS                                                                                                                              |
| SATA                             | -                                                                                                                                                                |
| RAM CONTROLLERS                  | LPDDR2, DDR3, DDR3L                                                                                                                                              |
| PACKAGING                        | Tray                                                                                                                                                             |
| PACKAGE / CASE                   | 289-LFBGA                                                                                                                                                        |
| OTHER NAMES                      | 568-13669<br>935346156557<br>MCIMX6G2CVM05AB-ND                                                                                                                  |
| OPERATING TEMPERATURE            | -40°C ~ 105°C (TJ)                                                                                                                                               |
| NUMBER OF CORES/BUS WIDTH        | 1 Core, 32-Bit                                                                                                                                                   |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                                                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 15 Weeks                                                                                                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                       |
| GRAPHICS ACCELERATION            | No                                                                                                                                                               |
| ETHERNET                         | 10/100 Mbps (2)                                                                                                                                                  |
| DISPLAY & INTERFACE CONTROLLERS  | LCD, LVDS                                                                                                                                                        |
| DETAILED DESCRIPTION             | ARM® Cortex®-A7 Microprocessor IC i.MX6UL 1 Core, 32-Bit 528MHz 289-MAPBGA (14x14)                                                                               |
| CORE PROCESSOR                   | ARM® Cortex®-A7                                                                                                                                                  |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                                                                                                           |
| ADDITIONAL INTERFACES            | CAN, EBI/EMI, I²C, I²S, MMC/SD/SDIO, QSPI, SAI, SPI, SSI, S/PDIF, UART                                                                                           |

Related Tags

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Related Products

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|  <div><b>MCIMX6G2AVM07AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 696MHZ 289BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MCIMX6G2CVK05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: 24 pcs<br/><a href="#">RFQ</a></div>    |
|  <div><b>MCIMX6G2DVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MCIMX6G2DVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>MCIMX6G2CVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MCIMX6G2AVM07AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 696MHZ 289BGA<br/>In stock: 20 pcs<br/><a href="#">RFQ</a></div>    |
|  <div><b>MCIMX6G3CVK05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MCIMX6G3CVK05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6UL 272BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>        |
|  <div><b>MCIMX6G2AVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 289BGA<br/>In stock: 142 pcs<br/><a href="#">RFQ</a></div>   |  <div><b>MCIMX6G2DVK05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |
|  <div><b>MCIMX6G2DVK05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |  <div><b>MCIMX6G2CVK05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MC6UL 528MHZ 272BGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> |