

MCIMX6G2DVM05AA



Part Number: [MCIMX6G2DVM05AA](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MC6UL 528MHZ 289BGA

Data sheet:  [MCIMX6GxDVx05AA](#)

RoHs Status: Lead free / RoHS Compliant

Ship From: Hong Kong

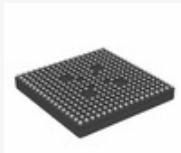
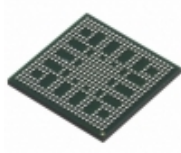
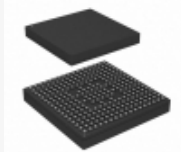
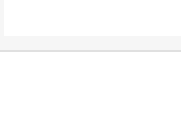
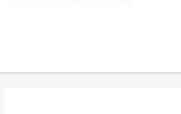
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Images are for reference only.  
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Request For Quotation

| PRODUCT PARAMETER                |                                                                        |                                |                                                                                    |
|----------------------------------|------------------------------------------------------------------------|--------------------------------|------------------------------------------------------------------------------------|
| Part Number                      | MCIMX6G2DVM05AA                                                        | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                     |
| Description                      | IC MPU I.MC6UL 528MHZ 289BGA                                           | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                         |
| Quantity Available               | 4093 pcs                                                               | Data sheet                     | <a href="#">MCIMX6GxDVx05AA</a>                                                    |
| Category                         | <a href="#">Integrated Circuits (ICs)</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                    | 935318783557                                                                       |
| 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            | 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 |                                |                                                                                    |

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