



NXP Semiconductors / Freescale

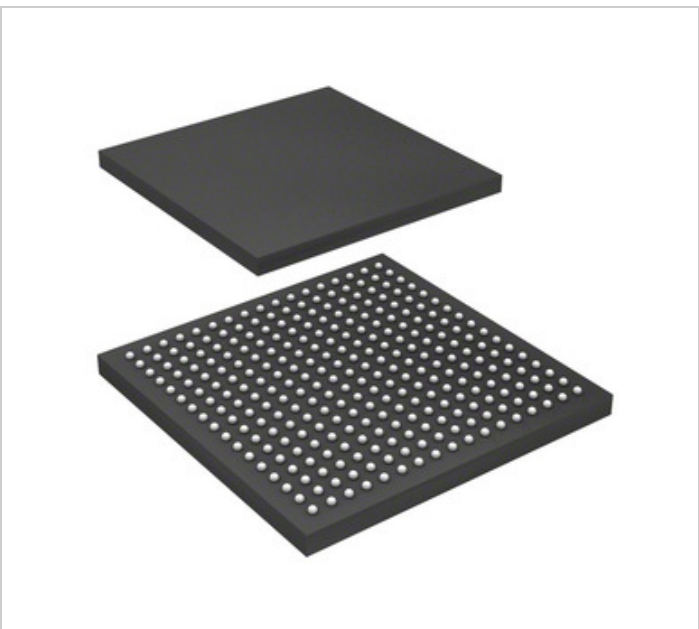


Image may be representation. See specifications for product details.

MCIMX6Y0CVM05AA

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6Y0CVM05AA                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | 528MHZ,ETHERNET X1, USB OTG X1,                                                                              |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

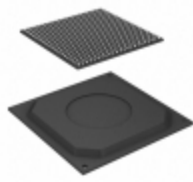
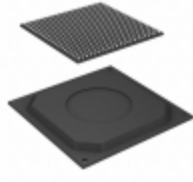
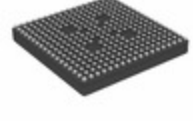
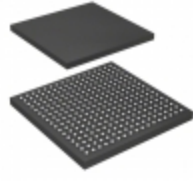
Specifications of MCIMX6Y0CVM05AA

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6Y0CVM05AA                                                                  |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                   |
| DESCRIPTION                      | 528MHZ,ETHERNET X1, USB OTG X1,                                                  |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| DATA SHEET                       |                                                                                  |
| VOLTAGE - I/O                    | 1.8V, 2.8V, 3.3V                                                                 |
| USB                              | USB 2.0 OTG + PHY (1)                                                            |
| SUPPLIER DEVICE PACKAGE          | 289-MAPBGA (14x14)                                                               |
| SPEED                            | 528MHz                                                                           |
| SERIES                           | i.MX6                                                                            |
| SECURITY FEATURES                | A-HAB, ARM TZ, CSU, SJC, SNVS                                                    |
| SATA                             | -                                                                                |
| RAM CONTROLLERS                  | LPDDR2, DDR3, DDR3L                                                              |
| PACKAGING                        | Tray                                                                             |
| PACKAGE / CASE                   | 289-LFBGA                                                                        |
| OTHER NAMES                      | 568-13074<br>935332946699                                                        |
| 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  | 52 Weeks                                                                         |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| GRAPHICS ACCELERATION            | No                                                                               |
| ETHERNET                         | 10/100 Mbps (1)                                                                  |
| DISPLAY & INTERFACE CONTROLLERS  | Electrophoretic, LCD                                                             |
| DETAILED DESCRIPTION             | ARM® Cortex®-A7 Microprocessor IC i.MX6 1 Core, 32-Bit 528MHz 289-MAPBGA (14x14) |
| CORE PROCESSOR                   | ARM® Cortex®-A7                                                                  |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ MPE                                                            |
| ADDITIONAL INTERFACES            | I²C, SPI, UART                                                                   |

Related Tags

|                                                |                                         |                                                    |
|------------------------------------------------|-----------------------------------------|----------------------------------------------------|
| NXP Semiconductors / Freescale MCIMX6Y0CVM05AA | MCIMX6Y0CVM05AA Distributor             | MCIMX6Y0CVM05AA Supplier                           |
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| Freescale Semiconductor - NXP MCIMX6Y0CVM05AA  | NXP USA Inc. MCIMX6Y0CVM05AA            |                                                    |

Related Products

|                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MCIMX6X4CVM08AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6SX 800MHZ 529MAPBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MCIMX6Y1CVK05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6ULL ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MCIMX6Y0DVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6ULL ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>          | <div></div> <div><b>MCIMX6X4EVM10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6SX ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MCIMX6X4EVM10AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6SX 1GHZ 529MAPBGA<br/>In stock: 82 pcs<br/><div>RFQ</div></div>       | <div></div> <div><b>MCIMX6X4AVM08ACR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |
| <div></div> <div><b>MCIMX6X4AVM08AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>           | <div></div> <div><b>MCIMX6X4CVM08AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6SX ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>       |
| <div></div> <div><b>MCIMX6Y1CVK05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 528MHZCAN X1 ETHERNET X1 USB<br/>In stock: 135 pcs<br/><div>RFQ</div></div>       | <div></div> <div><b>MCIMX6Y0DVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: 528MHZETHERNET X1 USB OTG X1<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MCIMX6Y1CVM05AA</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 32-BIT MPU, ARM CORTEX-A7 C<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MCIMX6Y0CVM05AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6ULL ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>      |