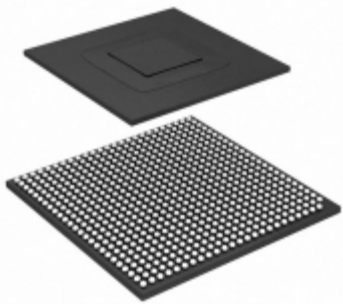


MCIMX6U8DVM10AB



Part Number: [MCIMX6U8DVM10AB](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: IC MPU I.MX6DL 1.0GHZ 624MAPBGA

Data sheet:  [i.MX 6 Series Fact Sheet](#)  
 [i.MX 6Solo/6DualLite](#)  
 [i.MX 6Solo/6DualLite Errata](#)

RoHs Status: Lead free / RoHS Compliant

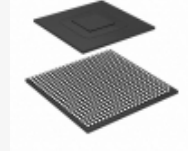
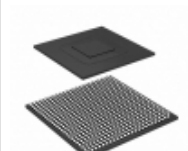
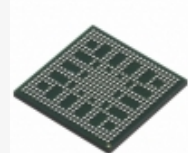
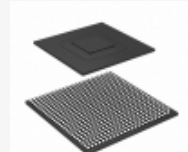
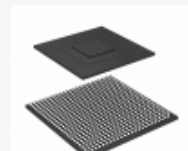
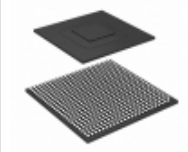
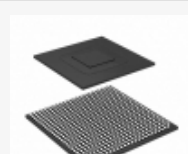
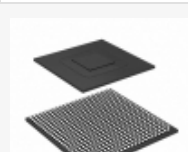
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

Images are for reference only.  
See Product Specifications for product details.  
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Request For Quotation

| PRODUCT PARAMETER                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                     |                                |                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | MCIMX6U8DVM10AB                                                                                                     | Manufacturer                   | <a href="#">NXP Semiconductors / Freescale</a>                                                                                  |
| Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | IC MPU I.MX6DL 1.0GHZ 624MAPBGA                                                                                     | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                      |
| Quantity Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 3781 pcs                                                                                                            | Data sheet                     | <a href="#">i.MX 6 Series Fact Sheet</a><br><a href="#">i.MX 6Solo/6DualLite</a><br><a href="#">i.MX 6Solo/6DualLite Errata</a> |
| Category                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <a href="#">Integrated Circuits (ICs)</a>                                                                           | Voltage - I/O                  | 1.8V, 2.5V, 2.8V, 3.3V                                                                                                          |
| USB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | USB 2.0 + PHY (4)                                                                                                   | Supplier Device Package        | 624-MAPBGA (21x21)                                                                                                              |
| Speed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1.0GHz                                                                                                              | Series                         | i.MX6DL                                                                                                                         |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 624-LFBGA                                                                                                           | Other Names                    | 935314819557                                                                                                                    |
| Operating Temperature                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 0°C ~ 95°C (TJ)                                                                                                     | Number of Cores/Bus Width      | 2 Core, 32-Bit                                                                                                                  |
| Moisture Sensitivity Level (MSL)                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3 (168 Hours)                                                                                                       | Lead Free Status / RoHS Status | Lead free / RoHS Compliant                                                                                                      |
| Graphics Acceleration                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Yes                                                                                                                 | Ethernet                       | 10/100/1000 Mbps (1)                                                                                                            |
| Display & Interface Controllers                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Keypad, LCD                                                                                                         | Detailed Description           | ARM® Cortex®-A9 Microprocessor IC i.MX6DL 2 Core, 32-Bit 1.0GHz 624-MAPBGA (21x21)                                              |
| Core Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | ARM® Cortex®-A9                                                                                                     | Co-Processors/DSP              | Multimedia; NEON™ SIMD                                                                                                          |
| Base Part Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | MCIMX6                                                                                                              | Additional Interfaces          | CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART                                                                                 |
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| RELATED PRODUCTS                                                                   |                                                                                          |                                                               |                |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------|----------------|
|  | Part#: <a href="#">MCIMX6U6AVM10ACR</a><br>Description: I.MX 6 SERIES 64-BIT MPU, DUAL A | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM08ACR</a><br>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6UL-EVK</a><br>Description: CPU/BASE BOARD MCIMX6UL              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6X1AVK08AC</a><br>Description: .MX 6SX ROM PERF ENHAN            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U7CVM08AC</a><br>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM08ADR</a><br>Description: I.MX6 ROM PERF ENHAN             | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6UL-EVKB</a><br>Description: CPU/BASE BOARD MCIMX6UL W/ACC       | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6V2CVM08AB</a><br>Description: I.MX6 32BIT MPU 800MHZ 400MAPBGA  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6ULL-EVK</a><br>Description: EVAL KIT FOR I.MX6ULL               | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6V7DVN10AB</a><br>Description: I.MX 6 32BIT MPU 1GHZ 432MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U7CVM08AD</a><br>Description: I.MX6 DUALITE R PERFEN            | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM08AC</a><br>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6X1AVO08AB</a><br>Description: IC MPU I.MX6SX 800MHZ 400MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U7CVM08AB</a><br>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U8DVM10AC</a><br>Description: IC MPU I.MX6DL 1.0GHZ 624MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM08AD</a><br>Description: I.MX6 ROM PERF ENHAN              | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U8DVM10AD</a><br>Description: I.MX 6DL ROM PERF ENHAN           | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM10AD</a><br>Description: IC MPU I.MX6DL 1.0GHZ 624MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6X1AVK08AB</a><br>Description: IC MPU I.MX6SX 800MHZ 400MAPBGA   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |
|  | Part#: <a href="#">MCIMX6U6AVM10AC</a><br>Description: I.MX 6 SERIES 64-BIT MPU DUAL A   | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | <div>RFQ</div> |

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