



NXP Semiconductors / Freescale

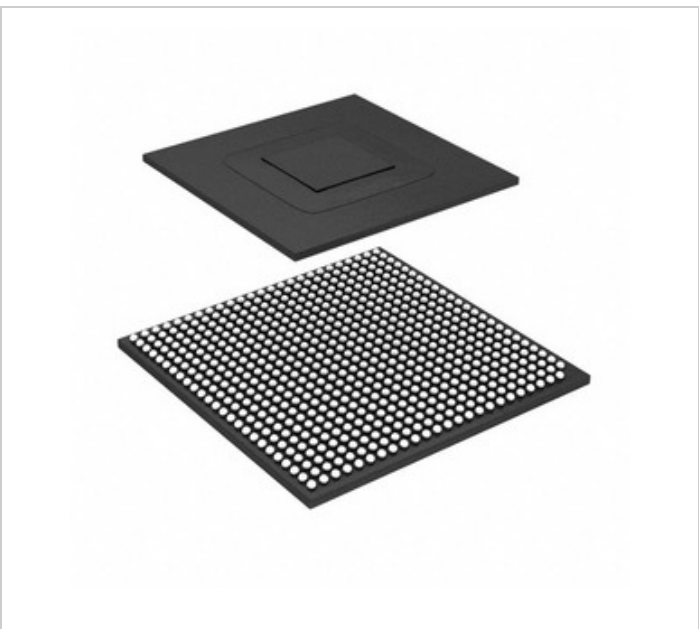


Image may be representation. See specifications for product details.

MCIMX6U1AVM08ABR

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6U1AVM08ABR                                                                                             |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                               |
| Product description | IC MPU I.MX6DL 800MHZ 624MAPBGA                                                                              |
|                     | <a href="#">PDF</a> 1.MCIMX6U1AVM08ABR.pdf                                                                   |
|                     | <a href="#">PDF</a> 2.MCIMX6U1AVM08ABR.pdf                                                                   |
|                     | <a href="#">PDF</a> 3.MCIMX6U1AVM08ABR.pdf                                                                   |
|                     | <a href="#">PDF</a> 4.MCIMX6U1AVM08ABR.pdf                                                                   |
| Datasheets:         |                                                                                                              |
| RoHs Status         |  Lead free / RoHS Compliant |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

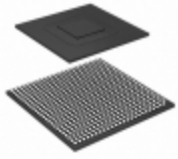
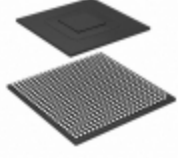
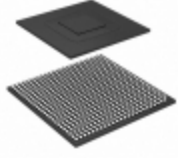
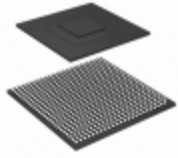
Specifications of MCIMX6U1AVM08ABR

|                                  |                                                                                                                                                                                      |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6U1AVM08ABR                                                                                                                                                                     |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                                                       |
| DESCRIPTION                      | IC MPU I.MX6DL 800MHZ 624MAPBGA                                                                                                                                                      |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                                                           |
| DATA SHEET                       | <a href="#">PDF</a> 1.MCIMX6U1AVM08ABR.pdf<br><a href="#">PDF</a> 2.MCIMX6U1AVM08ABR.pdf<br><a href="#">PDF</a> 3.MCIMX6U1AVM08ABR.pdf<br><a href="#">PDF</a> 4.MCIMX6U1AVM08ABR.pdf |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 2.8V, 3.3V                                                                                                                                                               |
| USB                              | USB 2.0 + PHY (4)                                                                                                                                                                    |
| SUPPLIER DEVICE PACKAGE          | 624-MAPBGA (21x21)                                                                                                                                                                   |
| SPEED                            | 800MHz                                                                                                                                                                               |
| 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                        | Tape & Reel (TR)                                                                                                                                                                     |
| PACKAGE / CASE                   | 624-LFBGA                                                                                                                                                                            |
| OTHER NAMES                      | 935317841518                                                                                                                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 125°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 800MHz 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                                                                                                                                      |

Related Tags

|                                                 |                                         |                                                     |
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| Freescale Semiconductor - NXP MCIMX6U1AVM08ABR  | NXP USA Inc. MCIMX6U1AVM08ABR           |                                                     |

Related Products

|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MCIMX6S8DVM10AD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6S ROM PERF ENHAN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>           | <div></div> <div><b>MCIMX6S8DVM10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6S 1.0GHZ 624MAPBGA<br/>In stock: 60 pcs<br/><a href="#">RFQ</a></div> |
| <div></div> <div><b>MCIMX6U1AVM08AD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6 DL ROM PERF ENHAN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>          | <div></div> <div><b>MCIMX6SLL-EVK</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: MCIMX6SLL-EVK<br/>In stock: 12 pcs<br/><a href="#">RFQ</a></div>                    |
| <div></div> <div><b>MCIMX6U1AVM08AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA<br/>In stock: 58 pcs<br/><a href="#">RFQ</a></div>     | <div></div> <div><b>MCIMX6U1AVM08ADR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6 DL ROM PERF ENHAN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>    |
| <div></div> <div><b>MCIMX6U1AVM10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6 SERIES 64-BIT MPU DUAL A<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  | <div></div> <div><b>MCIMX6U1AVM10AD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX 6DL ROM PERF ENHAN<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>     |
| <div></div> <div><b>MCIMX6U1AVM08AB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div>  | <div></div> <div><b>MCIMX6SX-SDB</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: DEMO BOARD MCIMX6SX MPU<br/>In stock: 131 pcs<br/><a href="#">RFQ</a></div>          |
| <div></div> <div><b>MCIMX6U1AVM08ACR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6DL 800MHZ 624MAPBGA<br/>In stock: Out stock<br/><a href="#">RFQ</a></div> | <div></div> <div><b>MCIMX6SLEVK</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: KIT EVAL MCIMX6SL<br/>In stock: 19 pcs<br/><a href="#">RFQ</a></div>                  |