



MCIMX6D6AVT08AD

Part Number:

MCIMX6D6AVT08AD

Manufacturer/Brand:

NXP Semiconductors / Freescale

Product description

IC MPU I.MX6D 852MHZ 624FCBGA

Datasheets:

RoHs Status

 Lead free / RoHS Compliant

Stock Condition

1648 pcs stock

Ship From

Hong Kong

Shipment Way

DHL/Fedex/TNT/UPS/EMS

REQUEST FOR QUOTATION

Specifications of MCIMX6D6AVT08AD

|                                  |                                                                                                                     |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6D6AVT08AD                                                                                                     |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                      |
| DESCRIPTION                      | IC MPU I.MX6D 852MHZ 624FCBGA                                                                                       |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                          |
| QUANTITY AVAILABLE               | 1648 pcs                                                                                                            |
| DATA SHEET                       |                                                                                                                     |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 2.8V, 3.3V                                                                                              |
| USB                              | USB 2.0 + PHY (4)                                                                                                   |
| SUPPLIER DEVICE PACKAGE          | 624-FCBGA (21x21)                                                                                                   |
| SPEED                            | 852MHZ                                                                                                              |
| SERIES                           | i.MX6D                                                                                                              |
| SECURITY FEATURES                | ARM TZ, Boot Security, Cryptography, RTIC, Secure Fusebox, Secure JTAG, Secure Memory, Secure RTC, Tamper Detection |
| SATA                             | SATA 3Gbps (1)                                                                                                      |
| RAM CONTROLLERS                  | LPDDR2, LVDDR3, DDR3                                                                                                |
| PACKAGING                        | Tray                                                                                                                |
| PACKAGE / CASE                   | 624-FBGA, FCBGA                                                                                                     |
| OTHER NAMES                      | 568-13657<br>935311627557<br>MCIMX6D6AVT08AD-ND                                                                     |
| 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.MX6D 2 Core, 32-Bit 852MHZ 624-FCBGA (21x21)                                    |
| CORE PROCESSOR                   | ARM® Cortex®-A9                                                                                                     |
| CO-PROCESSORS/DSP                | Multimedia; NEON™ SIMD                                                                                              |
| ADDITIONAL INTERFACES            | CAN, I²C, I²S, MMC/SD/SDIO, SAI, SPI, SSI, UART                                                                     |

Related Tags

|                               |                                    |                           |
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| MCIMX6D6AVT08AD               | MCIMX6D6AVT08AD Distributor        | MCIMX6D6AVT08AD Supplier  |
| MCIMX6D6AVT08AD Price         | MCIMX6D6AVT08AD Pictures           | MCIMX6D6AVT08AD Image     |
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| MCIMX6D6AVT08AD               | Supplier                           | Distributor               |

Related Products

|                                                                                                                                                                        |                                                                                                                                                                                         |                                                                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>MCIMX6D5EYM12CE</div> <div>Manufacturers: NXP</div> <div>Description: I.MX6DQ</div> <div>1ROM PERF ENHAN</div> <div>In stock: 1785 pcs</div> <div>RFQ</div>       | <div>MCIMX6D6AVT08ADR</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: IC MPU I.MX6D 852MHZ 624FCBGA</div> <div>In stock: 1859 pcs</div> <div></div>    | <div>MCIMX6D5EZK08AD</div> <div>Manufacturers: NXP</div> <div>Description: I.MX 6 SERIES</div> <div>32-BIT MPU DUAL A</div> <div>In stock: 2217 pcs</div> <div>RFQ</div> |
| <div>MCIMX6D5EYM12AE</div> <div>Manufacturers: NXP</div> <div>Description: I.MX6Q ROM</div> <div>PERF ENHAN</div> <div>In stock: 2048 pcs</div> <div>RFQ</div>         | <div>MCIMX6D6AVT10AC</div> <div>Manufacturers: NXP</div> <div>Description: IC MPU</div> <div>I.MX6D 1.0GHZ 624FCBGA</div> <div>In stock: 1844 pcs</div> <div>RFQ</div>                  | <div>MCIMX6D6AVT08AC</div> <div>Manufacturers: NXP</div> <div>Description: IC MPU</div> <div>I.MX6D 852MHZ 624FCBGA</div> <div>In stock: 1922 pcs</div> <div>RFQ</div>   |
| <div>MCIMX6D6AVT08AE</div> <div>Manufacturers: NXP</div> <div>Description: I.MX6D ROM</div> <div>PERF ENHAN</div> <div>In stock: 2017 pcs</div> <div>RFQ</div>         | <div>MCIMX6D6AVT08AER</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: I.MX6D ROM PERF ENHAN</div> <div>In stock: 1935 pcs</div> <div></div>            |                                                                                                                                                                          |
| <div>MCIMX6D6AVT10AD</div> <div>Manufacturers: NXP</div> <div>Description: IC MPU</div> <div>I.MX6D 1.0GHZ 624FCBGA</div> <div>In stock: 1702 pcs</div> <div>RFQ</div> | <div>MCIMX6D6AVT10ACR</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: IC MPU I.MX6D 1.0GHZ 624FCBGA</div> <div>In stock: 1838 pcs</div> <div></div>    |                                                                                                                                                                          |
| <div>MCIMX6D5EZK08AE</div> <div>Manufacturers: NXP</div> <div>Description: I.MX6D POP</div> <div>ARIK-D POP RO</div> <div>In stock: 2320 pcs</div> <div>RFQ</div>      | <div>MCIMX6D6AVT08ACR</div> <div>Manufacturers: NXP Semiconductors / Freescale</div> <div>Description: IC MPU I.MX6D 852MHZ 624FCBGA</div> <div>In stock: 2301 pcs</div> <div>RFQ</div> |                                                                                                                                                                          |

