



NXP Semiconductors / Freescale

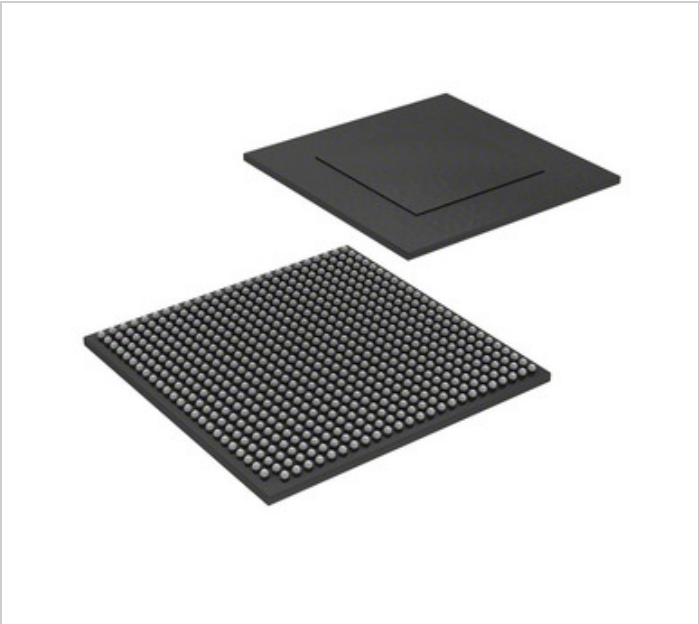


Image may be representation. See specifications for product details.

MCIMX6Q4AVT10ACR

|                     |                                                                                                                                                                               |
|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Part Number:        | MCIMX6Q4AVT10ACR                                                                                                                                                              |
| Manufacturer/Brand: | NXP Semiconductors / Freescale                                                                                                                                                |
| Product description | IC MPU I.MX6Q 1.0GHZ 624FCBGA <div><div>PDF</div>1.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>2.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>3.MCIMX6Q4AVT10ACR.pdf</div> |
| Datasheets:         | <div><div>PDF</div>1.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>2.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>3.MCIMX6Q4AVT10ACR.pdf</div>                               |
| RoHs Status         | <div><div>RoHS</div>Lead free / RoHS Compliant</div>                                                                                                                          |
| Ship From           | Hong Kong                                                                                                                                                                     |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                                                                         |

REQUEST FOR QUOTATION

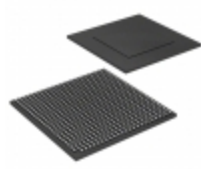
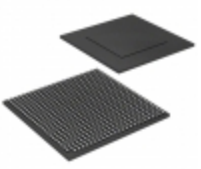
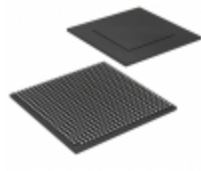
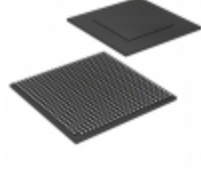
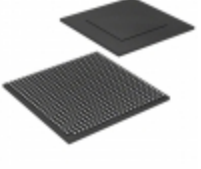
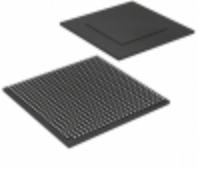
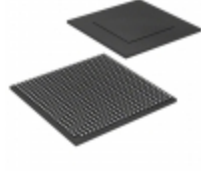
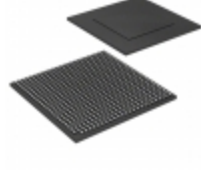
Specifications of MCIMX6Q4AVT10ACR

|                                  |                                                                                                                                                 |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| PART NUMBER                      | MCIMX6Q4AVT10ACR                                                                                                                                |
| MANUFACTURER                     | NXP Semiconductors / Freescale                                                                                                                  |
| DESCRIPTION                      | IC MPU I.MX6Q 1.0GHZ 624FCBGA                                                                                                                   |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                                                                                      |
| DATA SHEET                       | <div><div>PDF</div>1.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>2.MCIMX6Q4AVT10ACR.pdf</div> <div><div>PDF</div>3.MCIMX6Q4AVT10ACR.pdf</div> |
| VOLTAGE - I/O                    | 1.8V, 2.5V, 2.8V, 3.3V                                                                                                                          |
| USB                              | USB 2.0 + PHY (4)                                                                                                                               |
| SUPPLIER DEVICE PACKAGE          | 624-FCBGA (21x21)                                                                                                                               |
| SPEED                            | 1.0GHz                                                                                                                                          |
| SERIES                           | i.MX6Q                                                                                                                                          |
| 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                        | Tape & Reel (TR)                                                                                                                                |
| PACKAGE / CASE                   | 624-FBGA, FCBGA                                                                                                                                 |
| OTHER NAMES                      | 935320155518                                                                                                                                    |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TJ)                                                                                                                              |
| NUMBER OF CORES/BUS WIDTH        | 4 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.MX6Q 4 Core, 32-Bit 1.0GHz 624-FCBGA (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 MCIMX6Q4AVT10ACR  | NXP USA Inc. MCIMX6Q4AVT10ACR           |                                                     |

Related Products

|                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>MCIMX6Q5EYM10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA<br/>In stock: 30 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>MCIMX6Q4AVT10ADR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MCIMX6Q5EYM10ACR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> | <div></div> <div><b>MCIMX6Q4AVT10AE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6Q ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>          |
| <div></div> <div><b>MCIMX6Q4AVT08AD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 852MHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MCIMX6Q4AVT08ADR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 852MHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MCIMX6Q4AVT08AE</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6Q ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>          | <div></div> <div><b>MCIMX6Q4AVT08ACR</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 852MHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div> |
| <div></div> <div><b>MCIMX6Q4AVT10AC</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MCIMX6Q4AVT08AER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6Q ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>         |
| <div></div> <div><b>MCIMX6Q4AVT10AD</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: IC MPU I.MX6Q 1.0GHZ 624FCBGA<br/>In stock: Out stock<br/><div>RFQ</div></div>  | <div></div> <div><b>MCIMX6Q4AVT10AER</b><br/>Manufacturers: NXP Semiconductors / Freescale<br/>Description: I.MX6Q ROM PERF ENHAN<br/>In stock: Out stock<br/><div>RFQ</div></div>         |