

MCIMX6DP6AVT8AAR



Part Number: [MCIMX6DP6AVT8AAR](#)

Manufacturer: [NXP Semiconductors / Freescale](#)

Description: I.MX 6 SERIES 32-BIT MPU DUAL A

Data sheet:  [MCIMX6\(D,Q\)PxAVTx\(A,B\)](#)

RoHs Status:

Ship From: Hong Kong

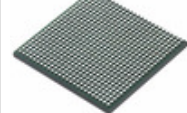
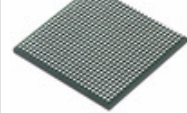
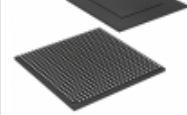
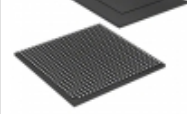
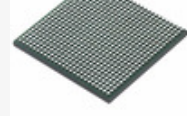
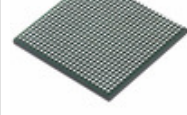
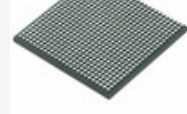
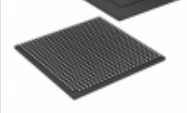
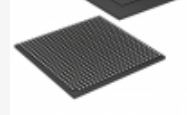
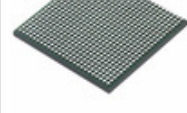
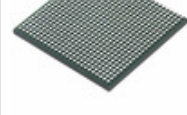
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| PRODUCT PARAMETER         |                                                                 |                                 |                                                |
|---------------------------|-----------------------------------------------------------------|---------------------------------|------------------------------------------------|
| Part Number               | MCIMX6DP6AVT8AAR                                                | Manufacturer                    | <a href="#">NXP Semiconductors / Freescale</a> |
| Description               | I.MX 6 SERIES 32-BIT MPU DUAL A                                 | Lead Free Status / RoHS Status  |                                                |
| Quantity Available        | 1787 pcs                                                        | Data sheet                      | <a href="#">MCIMX6(D,Q)PxAVTx(A,B)</a>         |
| Category                  | <a href="#">Integrated Circuits (ICs)</a>                       | Voltage - I/O                   | 1.8V, 2.5V, 2.8V, 3.3V                         |
| USB                       | USB 2.0 + PHY (3), USB 2.0 OTG + PHY (1)                        | Speed                           | 852MHZ                                         |
| Series                    | i.MX6DP                                                         | Security Features               | ARM TZ, A-HAB, CAAM, CSU, SJC, SNVS            |
| SATA                      | SATA 3Gbps (1)                                                  | RAM Controllers                 | LPDDR2, DDR3L, DDR3                            |
| Other Names               | 935312751518                                                    | Operating Temperature           | -40°C ~ 125°C (TJ)                             |
| Number of Cores/Bus Width | 2 Core, 32-Bit                                                  | Graphics Acceleration           | Yes                                            |
| Ethernet                  | 10/100/1000 Mbps (1)                                            | Display & Interface Controllers | HDMI, Keypad, LCD, LVDS, MIPI/DSI, Parallel    |
| Detailed Description      | ARM® Cortex®-A9 Microprocessor IC i.MX6DP 2 Core, 32-Bit 852MHZ | Core Processor                  | ARM® Cortex®-A9                                |
| Co-Processors/DSP         | Multimedia; NEON™ SIMD                                          |                                 |                                                |

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|  | Part#: <a href="#">MCIMX6DP5EVT2AA</a><br>Description: I.MX 6DUALPLUS MPU 2X ARM CORTE  | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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|  | Part#: <a href="#">MCIMX6G0DVM05AA</a><br>Description: IC MPU I.MC6UL 528MHZ 289BGA     | Manufacturers: <a href="#">NXP Semiconductors / Freescale</a> | RFQ |
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